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[Decisions of the United States Court of Customs and Patent Appeals are indicated by a star (*).]

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Airedale Worsted Mills. (See Axelrod, James J.)
Air Youth of America, Inc., New York, N. Y. Periodical publication. Serial No. 428,276; May 7. Class 38.
Alves, John J., doing business as Alves Photo Finishing Service, Braintree, Mass. Photographic prints. Serial No. 429,114; May 7. Class 38.
Anderson Chemicals, Inc., Nyack, N. Y. Vaginal diaphragms. Serial No. 416,637; May 7. Class 44.
Aridus Products. (See Speciale, Mariatta.)
Axelrod, James J., doing business as Airedale Worsted Mills, Boston, Mass. Textile fabrics of cotton, wool, etc. Serial No. 428,742; May 7. Class 42.
Baltimore Copper Paint Company. (See Reeder, Oliver, & Son, Inc.)
Belk Stores, Charlotte, N. C. Dress shirts. Serial No. 429,010; May 7. Class 39.
Benson, N. P., Optical Co., Inc., assignor to Cosmet Corporation, Minneapolis, Minn. Eyeglass lenses and eyeglass edge finishers. Serial No. 424,022; May 7. Class 26.
Berkovits, Edward H., Philadelphia, Pa. Cravats. Serial No. 429,087; May 7. Class 39.
Bernstein, Celia, Brooklyn, N. Y. Drawer compartments. Serial No. 428,537; May 7. Class 32.
Betner, Benj. C., Co., Devon, Pa. Paper bags. Serial No. 428,795; May 7. Class 2.
Big Ten Seed Co. (See Bohanon, Lloyd H.)
Boake, A., Roberts & Company, Limited, London, England. Fruit extracts, essential oils, essences, etc. Serial No. 425,828; May 7. Class 45.
Bohanon, Lloyd H., doing business as Big Ten Seed Co., assignor to General Mills Inc., Minneapolis, Minn. Hybrid seed corn. Serial No. 429,168; May 7. Class 1.
Boston Transcript, Inc., Boston, Mass. Newspaper section or supplement. Serial No. 429,089; May 7. Class 38.
Browntown Silica Company, Browntown, Wis. Granular and pulverized silica and sand. Serial No. 427,611; May 7. Class 1.
Bryo Co., The. (See Burns, Jay.)
Burns, Jay, doing business as The Bryo Co., Chicago, Ill. Bread improver. Serial No. 429,333; May 7. Class 46.
Burrows Paper Corporation, Little Falls, N. Y. Tissue paper, cream paper, toilet tissue, etc. Serial No. 428,147; May 7. Class 37.
Caldwell, Robert J., doing business as Slim Sally Products Co., New York, N. Y. Dressing for use on salads. Serial No. 426,020; May 7. Class 46.
Campana Corporation, Batavia, Ill. Toilet waters, colognes, and perfumery. Serial No. 429,091; May 7. Class 6.
Cardart Manufacturing Company, Inc., Louisville, Ky. Game. Serial No. 428,195; May 7. Class 22.
Carnation Company, Wilmington, Del., Milwaukee and Oconomowoc, Wis., and Seattle, Wash. Malted milk powder and ice cream mix in powder form. Serial No. 420,447; May 7. Class 46.
Chicago Lock Company, Chicago, Ill. Locks and keys. Serial No. 429,934; May 7. Class 25.
Churchill Distilling Company, Smith Switch, Ky. Whiskey. Serial No. 430,121; May 7. Class 49.
Cincinnati Electrical Tool Company, The, Cincinnati, Ohio. Dust collector. Serial No. 426,459; May 7. Class 23.
Cincinnati Oil Works Co., The, Cincinnati, Ohio. Gas stoves. Serial No. 428,798; May 7. Class 34.
Consolidation Coal Company, New York, N. Y. Coal. Serial Nos. 422,319–21; May 7. Class 1.
Cory, Albert M., Inc., New York, N. Y. Olive oil. Serial No. 413,111; May 7. Class 46.
Cosmet Corporation. (See Benson, N. P., Optical Co., Inc., assignor.)
Covertex Company, Perth Amboy, N. J. Wall paper. Serial No. 420,750; May 7. Class 37.
Craddock-Terry Shoe Corporation, Lynchburg, Va. Shoes. Serial No. 428,953; May 7. Class 39.
Crown Cork & Seal Company, Inc., Baltimore, Md. Plated metal and more specifically tin plate. Serial No. 429,296; May 7. Class 14.
Crown Products Company, Ralston, Nebr. Vehicle tires, inner tubes, rubber and/or rubber and fabric belting, etc. Serial No. 429,764; May 7. Class 35.
Crown Zellerbach Corporation, doing business as Crown Willamette Paper Company, San Francisco, Calif. Tissue paper. Serial No. 407,716; May 7. Class 37.
Dauphin Shoe Company, Harrisburg, Pa. Shoes. Serial No. 420,245; May 7. Class 39.
Davis, Morten, Company, The, Dallas, Tex. Slacks, slack suits, play suits, etc. Serial No. 427,472; May 7. Class 39.
Deknatel, J. A., & Son, Queens Village, N. Y. Jewelry. Serial No. 428,572; May 7. Class 28.
Dermetics, Inc., Seattle, Wash. Concentrated vegetable powder. Serial No. 423,331; May 7. Class 46.
Di Croce, Anthony, doing business as Rising Sun Bottling Works, Philadelphia, Pa. Maltless beverage, and sirup and extract for making same. Serial No. 427,927; May 7. Class 45.
Dietzgen, Eugene, Co., Chicago, Ill. Drafting material and supplies, and prepared fabric. Serial No. 428,866; May 7. Class 37.
Dobeckmun Company, The, Cleveland, Ohio. Printed or unprinted tape. Serial No. 429,384; May 7. Class 1.
Driftmier, Leanna F., Shenandoah, Iowa. Periodical publication. Serial No. 423,088; May 7. Class 38.
Durlacher & Company, Inc., New York, N. Y. Sportswear. Serial No. 429,473; May 7. Class 39.
Eclipse Sleep Products, Inc., Brooklyn, N. Y. Studios, lounges, and chairs. Serial No. 429,810; May 7. Class 32.
Edwards, Annie L., Minden, La. Preparation for stimulating the growth of hair. Serial No. 427,972; May 7. Class 6.
Emerson Electric Mfg. Co., The, St. Louis, Mo. Electric motor controls. Serial No. 390,056; May 7. Class 21.
Empire State Canning Co., The, Oneida, N. Y. Canned vegetables. Serial No. 429,347; May 7. Class 46.
Fruit Growers Service Co., Fresno, Calif. Fresh grapes. Serial No. 429,523; May 7. Class 46.
Fulton Bag and Cotton Mills, Atlanta, Ga. Crinkled or crepe paper. Serial No. 429,402; May 7. Class 37.
General Chemical Company, New York, N. Y. Insecticides. Serial No. 429,813; May 7. Class 6.
General Mills Inc. (See Bohanon, Lloyd H., assignor.)
General Sugar Products Co. (See Spreckels, J. D. and A. B., Company.)
Gibbons, J. T., Inc., New Orleans, La. Poultry feed. Serial No. 422,500; May 7. Class 46.
Golden Gate Macaroni Company, Inc., San Francisco, Calif. Macaroni and macaroni products. Serial No. 411,602; May 7. Class 46.
Graham Paper Company, St. Louis, Mo. "Mimeograph" bond paper. Serial No. 429,386; May 7. Class 37.
Gray & Company, Portland, Oreg. Cocktail cherries, fruit mix, cream whip, etc. Serial No. 399,760; May 7. Class 46.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Cereal. Serial No. 429,509; May 7. Class 46.
Guerlain Perfumery Corporation of Delaware, Wilmington, Del., and New York, N. Y. Face powder. Serial No. 429,568; May 7. Class 6.
Gumakers of America, Inc., Clifton Heights, Pa. Chewing gum. Serial No. 403,041; May 7. Class 46.
Gusmer, A., Inc., Hoboken, N. J. Filter mass and a filtering asbestos. Serial No. 429,734; May 7. Class 31.
Hall, Horace W., Newton Highlands, Mass. Tennis, squash, and badminton playing rackets. Serial No. 429,773; May 7. Class 22.
Hamden Sales Association, Inc., New York, N. Y. Face powder, rouge, lipstick, etc. Serial No. 428,285; May 7. Class 6.
Hamilton Watch Company, Lancaster, Pa. Watches and watch parts. Serial No. 428,552; May 7. Class 27.
Harris, J. Dexter, doing business as J. D. Harris & Company, Cambridge, Mass. Paints, varnishes, lacquers, etc. Serial No. 427,669; May 7. Class 16.
Hawaiian Cane Products, Limited, Hilo, Hawaii. Insulation board. Serial No. 428,481; May 7. Class 12.
Hercules Powder Company, Wilmington, Del. Dynamite. Serial No. 428,727; May 7. Class 9.
Highland Fruit Growers Association, Highland, Calif. Fresh citrus fruit. Serial No. 428,424; May 7. Class 46.
Highway Furniture Shop, Inc., North Plainfield, N. J. Household furniture. Serial No. 429,178; May 7. Class 32.
I. P. A. Manufacturing Co. (See Penn, Washington K.)
International Latex Corporation, Dover and Play-tex Park, Dover, Del. Girdles. Serial Nos. 429,478–9; May 7. Class 39.
International Tracers Publishing Company, The. (See Wilcox, John J.)
Iowa Farm Service Company, Des Moines, Iowa. Oils, greases and gasoline. Serial No. 420,567; May 7. Class 15.
Johns-Manville Corporation, New York, N. Y. Brake lining and brake lining sets. Serial No. 429,855; May 7. Class 35.
Lansburgh & Bro., Washington, D. C. Shoes, hats, and outer shirts. Serial No. 428,729; May 7. Class 39.
Larus & Brother Company, Inc., Richmond, Va. Cigars, cigarettes, chewing and smoking tobacco. Serial No. 428,315; May 7. Class 17.
Lehn & Fink Products Corporation, Bloomfield, N. J. Soap. Serial No. 428,879; May 7. Class 4.
Leighton Hats Inc., New York, N. Y. Ladies' hats. Serial No. 429,268; May 7. Class 39.

Lemp, Wm. J., Brewing Co., East St. Louis, Ill. Beer. Serial No. 428,759; May 7. Class 48.
Lett, Horace, San Angelo, Tex. Sandwiches. Serial No. 423,816; May 7. Class 46.
Lewis, Hubert R., doing business as Lewis Wholesale Liquor Company, Memphis, Tenn. Whiskey, gin, rum, etc. Serial No. 430,137; May 7. Class 49.
Libby, McNeill & Libby, Chicago, Ill. Periodical. Serial No. 428,238; May 7. Class 38.
Loomtogs, Inc., New York, N. Y. Slacks, skirts, shirts, etc. Serial No. 429,365; May 7. Class 39.
Lowe Paper Company, Ridgefield, N. J. Venetian blinds. Serial Nos. 430,084–5; May 7. Class 32.
Lowin, Anna W., Chicago, Ill. Toy animal. Serial No. 430,028; May 7. Class 22.
M. L. J. Magazines, Inc., New York, N. Y. Comic strip. Serial No. 428,814; May 7. Class 38.
M. L. J. Magazines, Inc., New York, N. Y. Comic strip. Serial No. 428,994; May 7. Class 38.
Manhattan Shirt Company, The, New York, N. Y. Outer shirts. Serial No. 429,448; May 7. Class 39.
Many, Blanc & Co., Inc., Chicago, Ill. Vodka. Serial No. 429,751; May 7. Class 49.
Marquette, George, Louisville, Ky. Hosiery. Serial No. 426,366; May 7. Class 39.
Massachusetts Knitting Mills, Boston and Jamaica Plain, Mass. Hosiery. Serial No. 429,450; May 7. Class 39.
McLaurin-Jones Co., Brookfield, Mass. Decalcomania papers. Serial No. 429,186; May 7. Class 37.
Mechanization, Inc., Washington, D. C. Periodical publication. Serial No. 429,062; May 7. Class 38.
Mello Ice Cream Co., Inc., Cleveland, Ohio. Ice cream. Serial No. 428,741; May 7. Class 46.
Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala. Dry and paste casein paint. Serial No. 425,362; May 7. Class 16.
Nankee Aluminum Paint Co., Jamaica, N. Y. Paints and varnishes. Serial No. 429,271; May 7. Class 16.
Nashua Gummed and Coated Paper Company, Nashua, N. H. Gummed paper tape. Serial No. 428,195; May 7. Class 37.
National Coal Association, Washington, D. C. House organ, booklets or pamphlets. Serial No. 429,228; May 7. Class 38.
National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Bags, cartons, paper cups, etc. Serial No. 425,290; May 7. Class 2.
Nicholson Chemical Co., Inc., Los Angeles, Calif. Tooth ache drops and tooth ache gum. Serial No. 429,103; May 7. Class 6.
Novelty Press Inc., New York, N. Y. Publication. Serial No. 426,781; May 7. Class 38.
O-Cedar Corp'n, Chicago, Ill. Shoe polishes and cleaning oils and a cleanser for rugs. Serial No. 412,662; May 7. Class 4.
Paper Novelty Manufacturing Company, Brooklyn, N. Y. Greeting cards and valentines. Serial No. 428,734; May 7. Class 38.
Peck, Stow & Wilcox Company, The, Southington, Conn. Display stands. Serial No. 429,665; May 7. Class 32.
Penn, Washington K., doing business as I. P. A. Manufacturing Co., McKinney, Tex. Ointment. Serial No. 429,373; May 7. Class 6.
Phoenix Mfg. Co., Elizabeth, N. J. Sport coats and sport jackets. Serial No. 429,067; May 7. Class 39.
Pillsbury Flour Mills Company, Minneapolis, Minn. Rye flour. Serial No. 429,454; May 7. Class 46.
Poirette Corsets, Inc., New York, N. Y. Corsets and girdles. Serial No. 429,272; May 7. Class 39.
Polak's Frutal Works, Inc., Long Island City, N. Y. Compositions of essential oils with addition of aromatic chemicals, flavorings, perfume oils, etc. Serial No. 425,064; May 7. Class 6.
Pontiac Products Company, Pontiac, Mich. Attachment to fishing poles and the like. Serial No. 430,148; May 7. Class 22.
Rainbobath Laboratories, Inc., San Francisco, Calif. Mineralized sulphur calcium solution. Serial No. 410,483; May 7. Class 6.
Rainier Brewing Company, San Francisco, Calif. Beer. Serial No. 427,478; May 7. Class 48.
Ralston Purina Company, St. Louis, Mo. Poultry and stock feed, including dairy feed. Serial No. 417,712; May 7. Class 46.
Reeder, Oliver, & Son, Inc., doing business as Baltimore Copper Paint Company, Baltimore, Md. Wood preservative. Serial No. 427,117; May 7. Class 16.
Rimington Publishing Co., Inc., New York, N. Y. Periodical. Serial No. 428,766; May 7. Class 38.
Rising Sun Bottling Works. (See Di Croce, Anthony.)
Rubinoff, Mark, New York, N. Y. Tag bearing seals. Serial No. 413,146; May 7. Class 25.
Schiff, Benjamin A., Chicago, Ill. Record resurfacing and record shaving machines. Serial No. 429,278; May 7. Class 23.
Scholastic Corporation, Pittsburgh, Pa. Feature page or column of a weekly periodical. Serial No. 415,611; May 7. Class 38.
Schwab Bros. & Baer, Inc., New York, N. Y. Cigars. Serial No. 429,375; May 7. Class 17.
Shell Oil Company, Incorporated, St. Louis, Mo. Petroleum oil resins. Serial No. 428,704; May 7. Class 1.
Shewan-Jones, Inc., New York, N. Y. Wine. Serial No. 427,763; May 7. Class 47.
Shewan-Jones, Inc., New York, N. Y. Wine. Serial No. 427,765; May 7. Class 47.
Shewan-Jones, Inc., New York, N. Y. Wines. Serial Nos. 427,767–9; May 7. Class 47.
Siegel Brothers Kiki Maid Koats, Inc., New York, N. Y. Coats. Serial No. 428,833; May 7. Class 39.
Sky-Hy Fruit Preserves Corporation, Brooklyn, N. Y. Fruit preserves. Serial No. 428,786; May 7. Class 46.
Slim Sally Products Co. (See Caldwell, Robert J.)
Sorg Paper Co., The, Middletown, Ohio. Waxing paper, bristol board, tag board, etc. Serial No. 428,736; May 7. Class 37.
Spade Products Company, Inc., New York, N. Y. Liquid shaving preparation. Serial No. 427,946; May 7. Class 4.
Speciale, Mariatta, doing business as Aridus Products, Brooklyn, N. Y. Powder lotion, hair lotion, deodorant cream, etc. Serial No. 429,138; May 7. Class 6.
Spreckels, J. D. and A. B., Company, doing business as General Sugar Products Co., San Francisco, Calif. Dry fondant made from cane sugar. Serial No. 428,932; May 7. Class 46.
Steber Manufacturing Co., Chicago, Ill. Electric lighting fixtures. Serial No. 416,121; May 7. Class 21.
Stetler, Laird C., doing business as L. C. Stetler, Hynes, Calif. Vaccines, serum, bacterins, etc. Serial No. 429,494; May 7. Class 6.
Sunrise Candy, Newark and Montclair, N. J. Candy. Serial No. 429,280; May 7. Class 46.
Sylvania Industrial Corporation, New York, N. Y. Cellulose sheets. Serial No. 428,738; May 7. Class 1.
Terry, C. Roy, Winnetka, Ill. Fitted cabinet. Serial No. 429,495; May 7. Class 32.
Texas Belting & Supply Company, Houston, Tex. Belting. Serial No. 428,839; May 7. Class 35.
Topics Publishing Company, Inc., The, New York, N. Y. Magazine section. Serial No. 427,686; May 7. Class 38.
Trostel, Albert, & Sons Company, Milwaukee, Wis. Leather. Serial No. 426,039; May 7. Class 1.
United Co-Operatives, Inc., Indianapolis, Ind. Feed boxes, water cups, metal hog feeders, etc. Serial No. 429,018; May 7. Class 50.
United Laboratories, Inc., Cleveland, Ohio. Paint. Serial No. 427,781; May 7. Class 16.
United States Rubber Company, New York, N. Y. Heels and lifts. Serial No. 429,380; May 7. Class 39.
United States Rubber Company, New York, N. Y. Raincoats. Serial No. 429,381; May 7. Class 39.
United States Rubber Company, New York, N. Y. Mattresses and mattress foundations. Serial No. 429,752; May 7. Class 32.
Valentine's Meat Juice Company, Richmond, Va. Beef extract. Serial No. 429,580; May 7. Class 46.
Valvoline Oil Company, Cincinnati, Ohio. Lubricating oils. Serial No. 423,582; May 7. Class 15.
Vance & Company, Fort Worth, Tex. Cold creams, face and hand lotions. Serial No. 419,458; May 7. Class 6.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Chemical compound. Serial No. 429,880; May 7. Class 6.
Variety Frocks, Inc., New York, N. Y. Maternity dresses. Serial No. 429,382; May 7. Class 39.
Walsh, James, & Company, Inc., Lawrenceburg, Ind. Whiskey. Serial No. 426,918; May 7. Class 49.
Wason Bros. Company, Inc., Seattle, Wash. Sugar and maple syrup. Serial No. 429,148; May 7. Class 46.
Westheimer, Sol, doing business as Sol Westheimer Co., New York, N. Y. Millinery trimmings of netted material, finished veils, and veilings in the piece. Serial No. 417,597; May 7. Class 42.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioners. Serial No. 429,581; May 7. Class 34.
Whiting & Davis Company, Plainville, Mass. Mesh bags. Serial No. 426,587; May 7. Class 3.
Wilcox, John Jay, doing business as The International Tracers Publishing Company, New York, N. Y. Magazine. Serial No. 428,783; May 7. Class 38.
Wilkening Manufacturing Company, Philadelphia, Pa. Piston rings and piston ring expanders. Serial No. 420,557; May 7. Class 35.
Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. High pressure pumps and suction pumps. Serial No. 429,200; May 7. Class 23.
Wilson, Al, Los Angeles, Calif. Fresh avocados and fresh dates. Serial No. 429,501; May 7. Class 46.
Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. Serial No. 429,205; May 7. Class 21.
Zonite Products Corporation, New York, N. Y. Vaginal diaphragms. Serial No. 429,153; May 7. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Rectal anesthetic. 377,523; May 7; Serial No. 425,772; published Feb. 6, 1940. Class 6.
Abel Sales Corporation, Columbus, Ohio. Automobile pneumatic tires and tubes. 377,606; May 7; Serial No. 426,722; published Feb. 27, 1940. Class 35.
Advance Mfg. Company, Chicago, Ill. Oiled silk. 377,479; May 7; Serial No. 424,219; published Feb. 27, 1940. Class 50.
Aeolian American Corporation. (See Fischer, J. & C.)
Aiello, Luigi, Archbald, Pa. Medicinal preparation. 377,503; May 7; Serial No. 425,322; published Feb. 6, 1940. Class 6.
Airey, F. J., Co., Inc., Los Angeles, Calif. Cold tablets. 377,578; May 7; Serial No. 426,424; published Feb. 20, 1940. Class 6.
Ajax Time Stamp Company. (See Levy, Joseph, assignor.)
Aktieselskabet Skarrehage Molervaerk, Nykbing Mors, Denmark. Insulating bricks, partition blocks, slabs, etc. 377,436; May 7; Serial No. 421,173; published Feb. 6, 1940. Class 12.
Albion, Charles M., doing business as Albion & Sons, Cambridge, Mass. Compounds for cleaning automobile bodies and similar articles. 377,456; May 7; Serial No. 422,921; published Feb. 27, 1940. Class 4.
Allied Kid Company. (See Standard Kid Manufacturing Company, assignor.)
American Hard Rubber Company, Hempstead and New York, N. Y. Combs and buttons. 131,017–18; renewed May 4, 1940.
American Hard Rubber Company, Hempstead and New York, N. Y. Electrical apparatus, machines, and supplies. 133,892; renewed Aug. 10, 1940.
American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber pipe-bits, cigar holders, and cigarette-holders. 134,877; renewed Sept. 21, 1940.
American Rice Growers Cooperative Association, Lake Charles, La. Rice. 377,607; May 7; Serial No. 426,723; published Feb. 27, 1940. Class 46.
American Solder & Flux Co. (See McBride, Frank D.)
Angier Mechanical Laboratories, assignor to Angier Corporation, Framingham, Mass. Duplex crinkled or craped paper. 132,612; renewed June 29, 1940.
Arden, Elizabeth, Inc., New York, N. Y. Lipsticks, rouges, and nail polishes, and toilet cream. 377,652; May 7; Serial No. 427,569; published Feb. 27, 1940. Class 6.
Artistic Foundations, Inc., New York, N. Y. Girdles, corsets, and brassières, etc. 377,662; May 7. Class 39.
Auerbach, Harry M., New York, N. Y. Chopped meat. 377,416; May 7; Serial No. 416,281; published Feb. 27, 1940. Class 46.
Ayerst, McKenna & Harrison (United States), Limited, Rouses Point, N. Y. Antiseptic dressing. 377,543; May 7; Serial No. 426,049; published Feb. 27, 1940. Class 6.
B. I. C. Laboratories. (See Bromley, Charles T.)
Baltimore Biological Laboratory, Baltimore, Md. Biologicals, biological materials and preparations, etc. 377,459; May 7; Serial No. 423,058; published Feb. 6, 1940. Class 6.
Baltimore Biological Laboratory, Baltimore, Md. Biologicals, biological materials and preparations, etc. 377,460; May 7; Serial No. 423,067; published Feb. 6, 1940. Class 6.
Barbasol Company, The. (See Napco Corporation, assignor.)
Barber Asphalt Corporation, Barber, N. J. Composition roofing. 377,518; May 7; Serial No. 425,681; published Jan. 30, 1940. Class 12.
Barber Asphalt Corporation, Barber, N. J. Plastic cement and fiber coating. 377,519; May 7; Serial No. 425,682; published Feb. 6, 1940. Class 12.
Bar-Car Mill, Inc., Bloomsburg, Pa. Tinning compound 377,669; May 7. Class 6.
Barrett Company, The, New York, N. Y. Coal-tar paint. 377,534; May 7; Serial No. 425,948; published Feb. 27, 1940. Class 16.
Barron-Gray Packing Company, San Jose, Calif. Canned vegetables juices. 377,599; May 7; Serial No. 426,684; published Feb. 27, 1940. Class 46.
Bell & Howell Company, The, Chicago, Ill. Motion-picture-producing apparatus. 130,637; renewed May 4, 1940.
Bell Manufacturing Company, assignor, by mesne assignments, to Bellgrade Manufacturing Company, Winder, Ga. Overalls, overall shirts, jackets, etc. 135,198; renewed Sept. 28, 1940.
Bewley, Wm. W., doing business as Fun-Joys Company, Anderson, S. C. Antacid tablet. 377,473; May 7; Serial No. 424,116; published Feb. 13, 1940. Class 6.
Binkovitz, M., & Sons, Inc., New York, N. Y. Cotton piece goods. 377,620; May 7; Serial No. 426,853; published Feb. 20, 1940. Class 42.
Blish, Mize and Silliman Hardware Company, The, Atchison, Kans. Liquefied petroleum gas. 377,468; May 7; Serial No. 423,845; published Feb. 13, 1940. Class 6.
Boddie, Willie M., doing business as Health-Tol Products Co., Detroit, Mich. Tooth powder. 377,579; May 7; Serial No. 426,431; published Feb. 13, 1940. Class 6.
Boyce, Henrietta E., Glen Rock, N. J. Sunburn lotions, complexion creams, and skin lotions. 377,596; May 7; Serial No. 426,640; published Feb. 27, 1940. Class 6.
Bradley, Milton, Company, Springfield, Mass. Table game. 377,608; May 7; Serial No. 426,726; published Feb. 27, 1940. Class 22.
Brandwein, A., & Company, Chicago, Ill. Mattresses, cots, studio couches, etc. 377,423; May 7; Serial No. 419,608; published Feb. 27, 1940. Class 32.
Brewster Hat Company, Inc. (See Knowlton, Wm., & Sons Company, Inc., assignor.)
Bromley, Charles T., doing business as B. I. C. Laboratories, and Bromley's Pharmacy, Cincinnati, Ohio. Alkaline laxative preparation. 377,480; May 7; Serial No. 424,341; published Feb. 13, 1940. Class 6.
Brooks, Angetee, Memphis, Tenn. Hair preparations. 377,554; May 7; Serial No. 426,180; published Feb. 27, 1940. Class 6.
Brooks, Barney, Shirt Co., New York, N. Y. Outer shirts, sports wear. 377,462; May 7; Serial No. 423,520; published Nov. 28, 1939. Class 39.
Browne Pharmacy, Inc., The, New Bedford, Mass. Preparation for coughs. 377,580; May 7; Serial No. 426,433; published Feb. 20, 1940. Class 6.
Bruce, E. L., Company, Memphis, Tenn. Hardwood flooring, interior trim, lumber, etc. 377,520; May 7; Serial No. 425,693; published Jan. 30, 1940. Class 12.
Burns, Jabez, & Sons, assignor to Jabez Burns & Sons, Inc., New York, N. Y. Machinery and parts thereof. 134,160; renewed Aug. 17, 1940.
Calderon, Victor M., Co., Inc., New York, N. Y. Canned sardines. 377,450; May 7; Serial No. 422,587; published Feb. 27, 1940. Class 46.
Caradine, James T., assignor to Caradine Hat Company, St. Louis, Mo. Waterproof and non-waterproof coats, slickers; aprons, etc. 134,344; renewed Aug. 31, 1940.
Carbo-Fung Chemical Laboratory, Los Angeles, Calif. Germicide and and antiseptic. 377,567; May 7; Serial No. 426,357; published Feb. 13, 1940. Class 6.
Cardox Corporation, Chicago, Ill. Portable fire extinguisher apparatus and repair and replacement parts therefor. 377,640; May 7; Serial No. 427,156; published Feb. 27, 1940. Class 23.
Carity Hosiery Company, Philadelphia, Pa. Hosiery. 377,495; May 7; Serial No. 425,041; published Feb. 27, 1940. Class 39.
Carson Pirie Scott & Company, Chicago, Ill. Wash dresses. 377,621; May 7; Serial No. 426,854; published Feb. 27, 1940. Class 39.
Carter Products, Inc., New York, N. Y. Effervescent salts and laxatives. 377,552; May 7; Serial No. 426,154; published Feb. 20, 1940. Class 6.
Casco Company, The, Canton, Ohio. Laxative pills. 377,683; May 7. Class 6.
Casey, Paul S., doing business as Vitamineral Products Company, Peoria, Ill. Compound to be mixed with feed rations of animals. 377,488; May 7; Serial No. 424,754; published Feb. 13, 1940. Class 6.
Catholic News Publishing Company, New York, N. Y. Weekly newspaper. 134,607; renewed Sept. 14, 1940.
Caughran, D. A., Marshfield, Mo. Liniment. 377,485; May 7; Serial No. 424,712; published Feb. 6, 1940. Class 6.
Chadwick Chemical Co., Newark, N. J. Hair tints, dyes, tonics, etc. 377,521; May 7; Serial No. 425,729; published Feb. 6, 1940. Class 6.
Chappel Bros., Inc., Rockford, Ill. Vitaminic food. 377,432; May 7; Serial No. 420,666; published Feb. 27, 1940. Class 46.
Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Electric lighting fixtures. 377,626; May 7; Serial No. 426,970; published Feb. 27, 1940. Class 21.
Chemische Fabrik Tempelhof Preuss & Temmler, Berlin-Tempelhof, Germany. Insecticides. 377,531; May 7; Serial No. 425,879; published Feb. 6, 1940. Class 6.
Chicago Mail Order Company, Chicago, Ill. Textile diapers. 377,671; May 7. Class 39.
Chicago Printed String Co., Chicago, Ill. Flat ribbon-like tying material. 377,665; May 7. Class 7.
Chicopee Manufacturing Corporation, New Brunswick, N. J. Cleaning cloths, towels, dusters, etc. 377,589; May 7; Serial No. 426,556; published Feb. 27, 1940. Class 42.
Church & Dwight Co. Inc., New York, N. Y. Sal soda and washing soda. 377,407–10; May 7; Serial Nos. 410,637–40; published Feb. 27, 1940. Class 4.
Citrus Products Company, Chicago, Ill. Beverages and syrups and concentrates from which such soft drinks are made. 377,627; May 7; Serial No. 426,972; published Feb. 27, 1940. Class 45.
Cleveland Ignition Company, The, Cleveland, Ohio. Ignition and electric-lighting systems and magnetos and repair parts therefor. 134,911; renewed Sept. 21, 1940.

Cliffs Dow Chemical Company, Marquette, Mich. Charcoal and activated carbon. 377,457; May 7; Serial No. 422,925; published Feb. 13, 1940. Class 6.
Climalene Company, The, Canton, Ohio. Washing powder. 377,560; May 7; Serial No. 426,287; published Feb. 27, 1940. Class 4.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 377,617; May 7; Serial No. 426,830; published Feb. 20, 1940. Class 42.
Commercial Chemical Company. (See Foister, Dewey A.)
Conkey, G. E., Co., The, Cleveland, Ohio. Preparation for the treatment of poultry for intestinal disorders. 377,646; May 7; Serial No. 427,297; published Feb. 20, 1940. Class 6.
Consolidated Biscuit Company, Incorporated, doing business as Davidson Biscuit Co., Chicago and Mt. Vernon, Ill., and Louisville, Ky. Soda crackers or biscuits. 377,489–90; Serial Nos. 424,841–2; published Feb. 27, 1940. Class 46.
Continental Baking Company. (See Ward, William B., assignor.)
Cook, William A., Chicago, Ill. Granular, thermal insulating materials. 377,405; May 7; Serial No. 401,769; published Jan. 30, 1940. Class 12.
Cooper Underwear Company, assignor, by mesne assignments, to Cooper's Incorporated, Kenosha, Wis. Hosiery. 134,924; renewed Sept. 21, 1940.
Coty, Inc., New York, N. Y. Perfume display stands. 377,535; May 7; Serial No. 426,188; published Feb. 27, 1940. Class 32.
Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 377,650; May 7; Serial No. 427,503; published Feb. 27, 1940. Class 6.
Country Club Soda Co., Inc., Springfield, Mass. Beverages. 377,512; May 7; Serial No. 425,610; published Feb. 27, 1940. Class 45.
Crampton, David, doing business as Highside Chemicals Company, Newark, N. J. Liquid dehydrant for refrigerants. 377,553; May 7; Serial No. 426,159; published Feb. 20, 1940. Class 6.
Curry Laboratory, Camden, N. J. Skin tonic. 377,466; May 7; Serial No. 423,800; published Feb. 6, 1940. Class 6.
Curtis-Stephens-Embry Co., Reading, Pa. Shoes. 377,682; May 7. Class 39.
Custom Undergarment Corporation, New York, N. Y. Rayon piece goods. 377,497; May 7; Serial No. 425,141; published Feb. 27, 1940. Class 42.
Dairy Laboratories, The, Philadelphia, Pa. Antiseptics, disinfectants, and deodorants. 377,467; May 7; Serial No. 423,802; published Feb. 6, 1940. Class 6.
Dalar Medical Laboratories, Inc., New York, N. Y. Ear drops. 377,419; May 7; Serial No. 417,645; published June 13, 1939. Class 6.
Darco Corporation, The, Canton, Ohio. Boiler compound, radiator compound, and water softener. 377,527; May 7; Serial No. 425,830; published Feb. 27, 1940. Class 6.
Davidson Biscuit Co. (See Consolidated Biscuit Company, Incorporated.)
Delettrez, Inc., Long Island City, N. Y. Astringents, astringent cerates, beauty creams, etc. 377,573; May 7; Serial No. 426,399; published Feb. 27, 1940. Class 6.
Delettrez, Inc., Long Island City, N. Y. Astringents, astringent cerates, beauty creams, etc. 377,647; May 7; Serial No. 427,338; published Feb. 20, 1940. Class 6.
Denney, Frances, Philadelphia, Pa. Toilet preparations. 377,522; May 7; Serial No. 425,733; published Feb. 6, 1940. Class 6.
Denney, Frances, Philadelphia, Pa. Toilet preparations. 377,609; May 7; Serial No. 426,728; published Feb. 27, 1940. Class 6.
Dermetics, Inc., Seattle, Wash. Cleansing cream. 377,670; May 7. Class 6.
Dexter Laboratories. (See Osterwell, Jacob.)
Diamond Expansion Bolt Company Inc. (See New Jersey Foundry & Machine Co., assignor.)
Disney, Walt, Productions, Hollywood, Calif. Piece goods. 377,535; May 7; Serial No. 425,955; published Feb. 20, 1940. Class 42.
Dixie-Rush Company, The. (See Edmunds, George B.)
Dow Chemical Company, The, San Francisco, Calif. Ammonium sulfate, ammonium chloride, caustic soda, etc. 377,483; May 7; Serial No. 424,620; published Feb. 13, 1940. Class 6.
Drennon, Jake C., doing business as Drennon Food Products Company, Atlanta, Ga. Potato chips, peanut butter sandwiches, and salted peanuts. 377,415; May 7; Serial No. 413,300; published Feb. 27, 1940. Class 46.
Dryer, Clark & Dryer Oil Company, Oklahoma City, Okla. High compression gasoline. 377,412; May 7; Serial No. 411,681; published Feb. 13, 1940. Class 15.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. High explosive of the dynamite type. 130,704; renewed May 4, 1940.
Dutchess Underwear Corporation, New York, N. Y. Underwear, pajamas, nightgowns, etc. 377,667; May 7. Class 30.
Eagle Clothes, New York, N. Y. Overcoats, topcoats, suits, etc. 377,600; May 7; Serial No. 426,689; published Feb. 20, 1940. Class 39.
Edmunds, George B., doing business as The Dixie-Rush Company, Decatur, Ga. Soft drinks and the syrups and extracts for making the same. 377,439; May 7; Serial No. 421,423; published Feb. 27, 1940. Class 45.
Enrich Products Co., Inc., New York, N. Y. Food Drink. 377,491; May 7; Serial No. 424,847; published Feb. 27, 1940. Class 46.
Etchall, Inc., New York, N. Y. Specially prepared formula for use in restoring the natural finish to limestone, granite, etc. 377,442; May 7; Serial No. 421,699; published Feb. 20, 1940. Class 6.
F-R. Publishing Corporation, The, New York, N. Y. Magazine column. 377,586–7; May 7; Serial Nos. 426,489–90; published Feb. 20, 1940. Class 38.
Factor, Max, & Co., Los Angeles, Calif. Cosmetics, perfumes, theatrical make-up, etc. 377,677; May 7. Class 6.
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Preparation for acute, relaxed, and disturbed conditions of the stomach and bowels. 377,475–8; May 7; Serial Nos. 424,161–4; published Feb. 6, 1940. Class 6.
Fischer, J. & C., assignor, by mesne assignments, to Aeolian American Corporation, New York, N. Y. Pianofortes, grand and upright pianos, and grand and upright player-pianos. 134,647; renewed Sept. 14, 1940.
Fisher, Wm., doing business as Wm. Fisher & Co., San Francisco, Calif. Wheat flour. 377,551; May 7; Serial No. 426,129; published Feb. 27, 1940. Class 46.
Fiske, Jonathan P. B., Auburndale, Mass. Flame coloring material. 377,563; May 7; Serial No. 426,331; published Feb. 20, 1940. Class 6.
Fleischl, Alfred, & Sons, New York, N. Y. Fresh eggs. 377,451; May 7; Serial No. 422,667; published Feb. 27, 1940. Class 46.
Foister, Dewey A., doing business as Commercial Chemical Company, Asheville, N. C. Polish for furniture and woodwork. 377,658; May 7; Serial No. 427,658; published Feb. 27, 1940. Class 16.
Foodcraft Products. (See United Buyers Corporation.)
Forbes, Jas. H., Tea and Coffee Company, St. Louis, Mo. Spices. 377,517; May 7; Serial No. 425,675; published Feb. 27, 1940. Class 46.
Foster, Lorraine, New York, N. Y. Toilet preparation. 377,492; May 7; Serial No. 424,872; published Feb. 13, 1940. Class 6.
Frosst, Charles E., & Co., Montreal, Quebec, Canada. Medicinal preparation. 377,421; May 7; Serial No. 418,229; published Feb. 13, 1940. Class 6.
Fun-Joys Company. (See Bewley, Wm. W.)
Gadol, Nathan S., Philadelphia, Pa. Preparation for the relief of pain due to muscular aches and pains of a minor nature. 377,581; May 7; Serial No. 426,444; published Feb. 27, 1940. Class 6.
Galen Company, Inc., The, doing business as Hawaiian Taro Sales Co., Berkeley, Calif. Food product. 377,615; May 7; Serial No. 426,802; published Feb. 27, 1940. Class 46.
Gartelman, William C., Chicago, Ill. Match book covers. 377,506–7; May 7; Serial Nos. 425,467–8; published Feb. 27, 1940. Class 37.
General American Tank Car Corporation, assignor to General American Transportation Corporation, Chicago, Ill. Tank-cars. 132,948; renewed July 6, 1940.
General Chemical Company, New York, N. Y. Insecticides and fungicides. 377,613; May 7; Serial No. 426,770; published Feb. 20, 1940. Class 6.
General Devices Company. (See Griffin, Miller P.)
General Luminescent Corporation, Chicago, Ill. Fluorescent chemicals and mixtures of fluorescent chemicals. 377,624; May 7; Serial No. 426,948; published Feb. 20, 1940. Class 6.
General Motors Corporation, Detroit, Mich. Oil metering plugs and similar metering devices. 377,435; May 7; Serial No. 421,138; published Feb. 27, 1940. Class 26.
Gibbs, Thomas B., & Co., Chicago, Ill. Instruments and parts thereof used in timing watches, clocks, and similar devices having periodic motion. 377,447; May 7; Serial No. 422,110; published Feb. 27, 1940. Class 26.
Gilman Paint and Varnish Co., doing business as Hamilton Paint Co., Chattanooga, Tenn. Gold paint, aluminum paint, flat paint, etc. 377,558; May 7; Serial No. 46,250; published Feb. 27, 1940. Class 16.
Gimbel Brothers, Inc., New York, N. Y. Cotton terry towels and wash cloths; linen and cotton dish towels and dish cloths, etc. 377,529; May 7; Serial No. 425,855; published Feb. 20, 1940. Class 42.
Glucking Corp., The, New York, N. Y. Brassières. 377,678; May 7. Class 39.
Goldman, Wm. P., & Bros. Inc., assignor to Wm. P. Goldman & Bros. Inc., New York, N. Y. Men's and youths' suits and overcoats. 131,124; renewed May 4, 1940.
Goodrich, B. F., Company, The, Akron, Ohio. Power transmission belts. 377,610; May 7; Serial No. 426,729; published Feb. 27, 1940. Class 35.
Gossard, H. W., Co., The, Chicago, Ill. Corsets, girdles, and combination corsets and brassières. 377,666; May 7. Class 39.
Granat, Alexander, New York, N. Y. Processed liquid or mineral water. 377,499; May 7; Serial No. 425,240; published Feb. 20, 1940. Class 6.

Grandin, D. H., Milling Co., Jamestown, N. Y. Stock feeds. 377,622; May 7; Serial No. 426,875; published Feb. 27, 1940. Class 46.
Greene, Marvin M., New York, N. Y. Perfume. 377,508; May 7; Serial No. 425,518; published Feb. 13, 1940. Class 6.
Greif Bros. Cooperage Corporation. (See Seymour & Peck Co., assignor.)
Griffin Manufacturing Co. Inc., New York, N. Y. Shoe-polishes, shoe-blackings, shoe-cleansers, etc. 135,250; renewed Sept. 28, 1940.
Griffin, Miller P., doing business as General Devices Company, Paterson, N. J. Abrasive implements. 377,513; May 7; Serial No. 425,614; published Feb. 27, 1940. Class 4.
Hamilton Paint Co. (See Gilman Paint and Varnish Co.)
Harris, A. G., A. C., A. V., Bethpage, Tenn., and Bridgeport, Ind. Medicinal preparations. 377,557; May 7; Serial No. 425,997; published Feb. 6, 1940. Class 6.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned fruits and canned fruit juices. 377,561; May 7; Serial No. 426,298; published Feb. 27, 1940. Class 46.
Hawaiian Taro Sales Co. (See Galen Company, Inc., The.)
Health-Tol Products Co. (See Boddie, Willie M.)
Hearn Department Stores, Inc., New York, N. Y. Suits, topcoats, overcoats, etc. 377,660; May 7. Class 39.
Hearst Consolidated Publications, Inc., Baltimore, Md. Newspaper. 377,504; May 7; Serial No. 426,336; published Feb. 13, 1940. Class 38.
Herkimer Fibre Company, Herkimer, N. Y., and Boston, Mass., assignor to International Paper Company, New York, N. Y. Manufactured leather-board. 130,749; renewed May 4, 1940.
Herrmann & Jacobs, Inc., New York, N. Y. Linen tablecloths, linen napkins, cotton tablecloths, etc. 377,636; May 7; Serial No. 427,139; published Feb. 27, 1940. Class 42.
Highside Chemicals Company. (See Crampton, David.)
Honan-Crane, Inc., Lebanon, Ind. Diatomaceous earth for filtering purposes. 377,413; May 7; Serial No. 411,093; published Mar. 28, 1939. Class 31.
Hook, Evan W., & Co., Inc., assignor, by mesne assignments, to The C. M. Pitt & Sons Co., Baltimore, Md. Bottled cherries. 130,319; renewed Apr. 20, 1940.
Hoover & Co., Inc., Kenosha, Wis. Medicinal preparation. 377,528; May 7; Serial No. 425,835; published Feb. 6, 1940. Class 6.
House of Charm Cosmetic Co., Chicago, Ill. Cosmetics. 377,556; May 7; Serial No. 426,198; published Feb. 20, 1940. Class 6.
House of Hollywood, Los Angeles, Calif. Cosmetics. 377,462; May 7; Serial No. 422,855; published Feb. 13, 1940. Class 6.
Huntington Chemical Company, to Huntington Laboratories, Incorporated, Huntington, Ind., by change of name. Soap. 132,709; renewed June 29, 1940.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Photographic chemicals. 377,574; May 7; Serial No. 426,404; published Feb. 13, 1940. Class 6.
International Affiliated Corporation, New York, N. Y. Preparation used in the treatment of minor irritations of the throat. 377,568; May 7; Serial No. 426,363; published Feb. 20, 1940. Class 6.
International Cotton Mills, Boston, Mass., assignors, by mesne assignments, to Startex Mills, Tucapau, S. C. Crash goods in the piece and crash goods in short lengths. 131,783; renewed May 25, 1940.
International Paper Company. (See Herkimer Fibre Company, assignor.)
Isaacs, I. C., & Company, Inc., Baltimore, Md. Ranch pants, breeches, and jodhpurs. 377,425; May 7; Serial No. 420,006; July 25, 1939. Class 39.
Johnson, Frieda L., doing business as Johnson Products Company, Chicago, Ill. Preparation used for mending hosiery and textile materials. 377,532; May 7; Serial No. 425,919; published Feb. 6, 1940. Class 6.
Johnson-Match Corporation, The, New York, N. Y. Composition for dustproofing coal. 377,628–9; May 7; Serial Nos. 426,981–2; published Feb. 27, 1940. Class 6.
Juvenilina Co., The. (See Marin, Antonio Y.)
Kahn, David H., New York, N. Y. Cosmetics. 377,417; May 7; Serial No. 416,424; published Feb. 27, 1940. Class 6.
Katzinger, Edward, Company, The, Chicago, Ill. Egg beaters. 377,637; May 7; Serial No. 427,140; published Feb. 27, 1940. Class 23.
Keel & Company, Inc., Philadelphia, Pa. White side-wall tire cleaner and dresser. 377,463, May 7; Serial No. 423,567; published Feb. 27, 1940. Class 4.
Kessler, Louis, doing business as Novelty Games Co., New York, N. Y. Card number game. 377,601; May 7; Serial No. 426,700; published Feb. 27, 1940. Class 22.
King Features Syndicate, Inc., New York, N. Y. Cartoon series. 377,597; May 7; Serial No. 426,653; published Feb. 20, 1940. Class 38.
Kline's Incorporated, St. Louis, Mo. Women's clothing. 377,602; May 7; Serial No. 426,701; published Feb. 27, 1940. Class 39.
Knit Products Corporation, Belmont, N. C. Hosiery. 377,449; May 7; Serial No. 422,549; published Feb. 27, 1940. Class 39.
Knowlton, Wm., & Sons Company, Inc., West Upton, Mass., assignor to Brewster Hat Company, Inc., New York, N. Y. Women's hats. 377,664; May 7. Class 39.
Knox Company, The, Los Angeles, Calif. Medicinal preparations. 377,548; May 7; Serial No. 426,093; published Feb. 6, 1940. Class 6.
Kramer, Lawrence, New York, N. Y. Neckwear. 377,672; May 7. Class 39.
Kremers Urban Company, Milwaukee, Wis. Therapeutic products. 377,549; May 7; Serial No. 426,094; published Feb. 13, 1940. Class 6.
Krystal Co., The, Fresno, Calif. Suppositories for treating vaginal conditions. 377,533; May 7; Serial No. 425,920; published Feb. 6, 1940. Class 6.
Laboratoires G. Reaubourg Société Anonyme, Boulogne, France. Liquid product used for the treatment of nervous affections and diseases and for insomnia. 377,649; May 7; Serial No. 427,435; published Feb. 27, 1940. Class 6.
Laclede-Christy Clay Products Company, St. Louis, Mo. High-temperature cement.. 134,707; renewed Sept. 14, 1940.
Lash's Bitters Co., New York, N. Y. to Lash, Inc., Clifton, N. J., by changes of name. Non-alcoholic beverage. 134,994; renewed Sept. 21, 1940.
Lempco Products, Inc., Bedford, Ohio. Vehicle axle shafts, drive shafts, flywheel gears, etc. 377,458; May 7; Serial No. 422,937; published Feb. 27, 1940. Class 23.
Leroux and Company, Inc., Philadelphia, Pa. Rock and rye. 377,481; May 7; Serial No. 424,483; published Nov. 28, 1939. Class 49.
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Suits and topcoats. 377,104; May 7; Serial No. 400,773; published Jan. 24, 1939. Class 39.
Levy, Joseph, Boston, Mass., assignor to Ajax Time Stamp Company, New York, N. Y. Time-stamps. 130,537; renewed Apr. 27, 1940.
Liggett & Myers Tobacco Company, New York, N. Y. Cigarette-paper. 130,796; renewed May 4, 1940.
Liggett & Myers Tobacco Company, New York, N. Y. Cigarettes. 133,272; renewed July 20, 1940.
Liggett & Myers Tobacco Company, New York, N. Y. Smoking and chewing tobacco and cigarettes. 133,454; renewed July 27, 1940.
Liggett & Myers Tobacco Company, New York, N. Y. Cigarettes. 133,455; renewed July 27, 1940.
Lilly, Eli, and Company, Indianapolis, Ind. Elastic capsule containing vitamins. 377,472; May 7; Serial No. 424,094; published Feb. 27, 1940. Class 6.
Lonza Elektrizitätswerke & Chemische Fabriken Aktiengesellschaft, Gampel, Switzerland. Preparations for destroying snails and molluscs. 377,592; May 7; Serial No. 426,624; published Feb. 27, 1940. Class 6.
Los Angeles Pharmacal Company. (See Salazar, Roberto.)
Lubri-Zol Corporation, The, Wickliffe, Ohio. Compounded lubricants and cutting oils and concentrates used therein. 377,536; May 7; Serial No. 425,965; published Jan. 30, 1940. Class 15.
Luxite Silk Products Co., assignor to Holeproof Hosiery Co., Milwaukee, Wis. Underwear. 133,729; renewed Aug. 3, 1940.
Macfadden Publications, Inc., New York, N. Y. Magazine. 377,440; May 7; Serial No. 421,520; published Feb. 13, 1940. Class 38.
Macfadden Publications, Inc., New York, N. Y. Magazine. 377,539; May 7; Serial No. 426,031; published Feb. 20, 1940. Class 38.
Maher Color & Chemical Co., Inc., Chicago, Ill. Bulk dye stuffs. 377,550; May 7; Serial No. 426,101; published Feb. 13, 1940. Class 6.
Manhattan Pickle Company, Chicago, Ill. Foods and ingredients of foods. 377,418; May 7; Serial No. 417,380; published Feb. 27, 1940. Class 46.
Marin, Antonio Y., doing business as The Juvenilina Co., Ponce, P. R. Bay rum. 377,635; May 7; Serial No. 427,115; published Feb. 27, 1940. Class 6.
Marinette Knitting Mills, Marinette, Wis. Ladies' dresses, suits, and frocks. 377,582; May 7; Serial No. 426,457; published Feb. 20, 1940. Class 39.
Marshall Field & Company, Chicago, Ill. Sleeping-garments. 130,815; renewed May 4, 1940.
Martin, F. S., doing business as F. S. Martin & Company, Chicago, Ill. Coal. 377,494; May 7; Serial No. 425,029; published Feb. 27, 1940. Class 1.
Master, George, Garment Corporation, Chicago, Ill. Aprons, leg aprons, breeches, etc. 377,673; May 7. Class 39.
McBride, Frank D., doing business as American Solder & Flux Co., Philadelphia, Pa. Soldering flux. 377,420; May 7; Serial No. 418,161; published Feb. 27, 1940. Class 6.
McKay, W. E., & Co., Inc., New York, N. Y. Cotton and rayon piece goods. 377,562; May 7; Serial No. 426,319; published Feb. 27, 1940. Class 42.
McKettrick Williams, Inc., New York, N. Y. Ladies' dresses and suits. 377,598; May 7; Serial No. 426,658; published Feb. 27, 1940. Class 39.

McSweeney, Mary H. (See Reinhardt, Mary Woodard and Mary H. McSweeney.)
Mehlin, Paul G., & Sons, New York, N. Y., to Paul G. Mehlin & Sons, Cresskill, N. J. Pianos. 134,738; renewed Sept. 14, 1940.
Melvin Co., South Pasadena, Calif. Liquid preparation. 377,524; May 7; Serial No. 425,802; published Feb. 6, 1940. Class 6.
Merck & Co., Inc., Rahway, N. J. Therapeutic preparations. 377,657; May 7; Serial No. 427,636; published Feb. 27, 1940. Class 6.
Milky Way Products Company, Wilmington, Del. Rubber baby pants. 377,593; May 7; Serial No. 426,625; published Feb. 20, 1940. Class 39.
Millinery Associates, Inc., New York, N. Y. Periodical. 377,530; May 7; Serial No. 425,858; published Feb. 20, 1940. Class 38.
Minnesota Farm Bureau Service Company, St. Paul, Minn. Poultry food. 377,516; May 7; Serial No. 425,673; published Feb. 27, 1940. Class 46.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Glycerine substitutes, interaction products of aldehydes and ketones, etc. 377,498; May 7; Serial No. 425,159; published Feb. 13, 1940. Class 6.
Mobile Paint Manufacturing Company of Delaware, Inc., doing business as Mobile Varnish Works, Wilmington, Del., and Mobile, Ala. Aluminum and bronze paint. 377,504; May 7; Serial No. 425,357; published Feb. 27, 1940. Class 16.
Modern Made Sportswear, Inc., Los Angeles, Calif. Garments. 377,446; May 7; Serial No. 422,010; published Feb. 27, 1940. Class 39.
Mysterious Chemical Company, Inc., New York, N. Y. Powders and liquids for exterminating and control of vermin; insecticides, etc. 377,594; May 7; Serial No. 426,627; published Feb. 13, 1940. Class 6.
Naitove, S., & Co., Inc., New York, N. Y. Rayon piece goods. 377,486; May 7; Serial No. 424,737; published Feb. 27, 1940. Class 42.
Napco Corporation, The, assignor to The Barbasol Company, Indianapolis, Ind. A pastelike preparation for shaving, etc. 135,022; renewed Sept. 21, 1940.
Narrow Fabric Co., The, Wyomissing Borough, near Reading, to The Narrow Fabric Company, Reading, Pa. Notions. 134,750; renewed Sept. 14, 1940.
National Carbon Company, Inc., New York, N. Y. Antifreeze and corrosion preventive. 377,569; May 7; Serial No. 426,373; published Feb. 20, 1940. Class 6.
National Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 377,426; May 7; Serial No. 420,234; published Feb. 20, 1940. Class 42.
National Lead Company, New York, N. Y. Lead and lead alloys. 377,422; May 7; Serial No. 418,732; published Feb. 27, 1940. Class 14.
New Jersey Foundry & Machine Co., Garwood, N. J., and New York, N. Y., assignor to Diamond Expansion Bolt Company Inc., Garwood, N. J. Trolleys, cranes, and tongs, etc. 130,848; renewed May 4, 1940.
New York Merchandise Co. Inc., New York, N. Y. Sun spectacles or goggles. 377,625; May 7; Serial No. 426,958; published Feb. 27, 1940. Class 26.
New York Stock Exchange, New York, N. Y. Magazine. 377,525; May 7; Serial No. 425,803; published Feb. 20, 1940. Class 38.
Noak, Fred W., doing business as Okaon Laboratory, Cincinnati, Ohio. Liquid balm. 377,618; May 7; Serial No. 426,841; published Feb. 20, 1940. Class 6.
Novelty Games Co. (See Kessler, Louis.)
Nyal Company, Detroit, Mich. Perfume. 377,653–5; May 7; Serial Nos. 427,590–2; published Feb. 27, 1940. Class 6.
O-N Drug Products Co. (See Owen, Cliff C.)
Od Peacock Sultan Company, St. Louis, Mo. Liquid vitamin preparation. 377,557; May 7; Serial No. 426,216; published Feb. 20, 1940. Class 6.
Okaon Laboratory. (See Noak, Fred W.)
Onyx Oil & Chemical Company, Jersey City, N. J. Chemical substance and compound used industrially. 377,559; May 7; Serial No. 426,269; published Feb. 20, 1940. Class 6.
Osterweil, Jacob, doing business as Dexter Laboratories, New York, N. Y. Hemorrhoidal suppositories. 377,493; May 7; Serial No. 424,928; published Feb. 13, 1940. Class 6.
Owen, Cliff C., doing business as Owen Drug Co. and O-N Drug Products Co., Salisbury, N. C. Preparations for colds. 377,500; May 7; Serial No. 425,252; published Feb. 13, 1940. Class 6.
Pacific Mill and Mine Supply Company, San Francisco, assignor to Pacific Mill and Mine Supply Company Inc., Los Angeles, Calif. Beltings, lacings, valve-disk packings, etc. 133,773; renewed Aug. 3, 1940.
Palliver Laboratories, Inc., New York, N. Y. Medicinal preparation. 377,509; May 7; Serial No. 425,529; published Feb. 6, 1940. Class 6.
Parfums Charbert, Inc., New York, N. Y. Sun-tan oil. 377,540; May 7; Serial No. 426,033; published Feb. 27, 1940. Class 6.
Parke, Davis & Company, Detroit, Mich. Preparation used in the treatment of vitamin K deficiencies. 377,645; May 7; Serial No. 427,257; published Feb. 20, 1940. Class 6.
Payson Publishing, Inc., New York, N. Y. Magazine. 377,514; May 7; Serial No. 425,621; published Feb. 13, 1940. Class 38.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Cotton sheets and pillow cases. 377,474; May 7; Serial No. 424,139; published Feb. 20, 1940. Class 42.
Pennsylvania Petroleum Products Co., Philadelphia, Pa. Lubricating oils and greases. 377,583; May 7; Serial No. 426,462; published Feb. 20, 1940. Class 15.
Petroleum Solvents Corporation, New York, N. Y. Solvent and cleaner for dissolving oil residues, sludge formations, etc. 377,541; May 7; Serial No. 426,035; published Feb. 6, 1940. Class 6.
Phillips-Jones Corporation, New York, N. Y. Outershirts and undershirts, negligee shirts, etc. 377,080; May 7. Class 39.
Phoenix Color & Chemical Co., Paterson, N. J. Dyestuffs. 377,427; May 7; Serial No. 420,541; published Sept. 5, 1939. Class 6.
Pillsbury Flour Mills Company, assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Buckwheat pancake-flour, wheat cereal, etc. 135,302; renewed Sept. 28, 1940.
Pitt, C. M., & Sons Co., The. (See Hook, Evan W., & Co., Inc., assignor.)
Printz-Biederman Company, The, Cleveland, Ohio. Coats, suits, and dresses. 377,623; May 7; Serial No. 426,894; published Feb. 27, 1940. Class 39.
Procter & Gamble Company, The. (See Welsher, Samuel I., assignor.)
Procter and Gamble Company, Cincinnati, Ohio. Soap. 134,773; renewed Sept. 14, 1940.
Procter & Gamble Company, Cincinnati, Ohio. Soap. 135,047; renewed Sept. 21, 1940.
Procter & Gamble Company, The. Cincinnati, Ohio. Glycerine. 377,544; May 7; Serial No. 426,068; published Feb. 13, 1940. Class 6.
Promat Company, The, Chicago, Ill. Chemical materials and compositions. 377,464; May 7; Serial No. 423,710; published Feb. 27, 1940. Class 6.
Quaker City Linoleum Company, Washington, D. C. Linoleum and felt-base floor coverings. 377,401; May 7; Serial No. 395,880; published Feb. 20, 1940. Class 20.
Ramsey, Louise G., Gary, Ind. Hair preparation. 377,681; May 7. Class 6.
Raylaine Worsteds, Inc., Manchester, N. H. Piece goods. 377,630; May 7; Serial No. 427,041; published Feb. 27, 1940. Class 42.
Reed and Carnick. (See Siegel, William, assignor.)
Reichhold Chemicals Inc., Detroit and Ferndale Station, Detroit, Mich. Resins and resin solutions. 377,411; May 7; Serial No. 411,180; published Feb. 27, 1940. Class 1.
Reinhardt, Mary Woodard, and Mary H. McSweeney, New York, N. Y. Dentifrice. 377,619; May 7; Serial No. 426,844; published Feb. 27, 1940. Class 6.
Remington Arms Company, Inc., New York, N. Y., as assignee of the Remington Arms Union Metallic Cartridge Co. Inc., Bridgeport, Conn., Ilion, N. Y., Swanton, Vt., Hoboken, N. J., and New York, N. Y., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Explosives, firearms, and projectiles. 133,792; renewed Aug. 3, 1940.
Resinous Products & Chemical Company, The, Philadelphia, Pa. Synthetic resinous material. 377,651; May 7; Serial No. 427,518; published Feb. 20, 1940.
Rhea Manufacturing Company, Milwaukee, Wis. Dresses. 377,603; May 7; Serial No. 426,710; published Feb. 20, 1940. Class 39.
Rochester Germicide Company, Rochester, N. Y. Disinfectants, insecticides, and germicides. 134,531; renewed Sept. 7, 1940.
Röhm & Haas Company, Philadelphia, Pa. Chemical compounds. 377,434; May 7; Serial No. 421,052; published Feb. 13, 1940. Class 6.
Root Pop Bottling Co., Washington, D. C. Mixer for Tom Collins. 377,633; May 7; Serial No. 427,087; published Feb. 27, 1940. Class 45.
Rosenberg, William, Chicago, Ill. Lubricant in powdered form. 377,441; May 7; Serial No. 421,583; published Feb. 13, 1940. Class 15.
Ross, Alfred, New York, N. Y. Hosiery. 377,414; May 7; Serial No. 412,873; published Nov. 28, 1939. Class 39.
Rothschild, Maurice L., Incorporated, Chicago, Ill. Men's and boys' suits, coats, overcoats, etc. 377,584; May 7; Serial No. 426,465; published Feb. 20, 1940. Class 39.
Roto Wing Company, Minneapolis, Minn. Snow plows and plows for removing snow from the side of the road. 377,454; May 7; Serial No. 422,911; published Feb. 27, 1940. Class 23.
Royal Robes, Inc., New York, N. Y. Men's robes. 377,453; May 7; Serial No. 422,867; published Feb. 27, 1940. Class 39.
Royal Venetian Blind Mfg. Co., St. Louis, Mo. Venetian blinds. 377,605; May 7; Serial No. 426,719; published Feb. 27, 1940. Class 32.
Rudkin, Margaret F., Fairfield, Conn. Toast squares. 377,445; May 7; Serial No. 421,982; published Feb. 27, 1940. Class 46.

Sackman Brothers Company, New York, N. Y. Children's shirts and pants. 377,614; May 7; Serial No. 426,785; published Feb. 27, 1940. Class 39.
Salazar, Roberto, doing business as Los Angeles Pharmacal Company, Los Angeles, Calif. Preparation used in the treatment of kidney disorders. 377,482; May 7; Serial No. 424,605; published Feb. 13, 1940. Class 6.
Saprochi S. A., Geneva, Switzerland. Magnesite. 377,437; May 7; Serial No. 421,354; published Feb. 13, 1940. Class 6.
Sasso e Figli, P., Oneglia, Italy. Olive oil for medicinal purposes. 377,402; May 7; Serial No. 397,383; published Feb. 13, 1940. Class 6.
Scheetz, Walter R., Los Angeles, Calif. Foot bath powder. 377,575; May 7; Serial No. 426,413; published Feb. 20, 1940. Class 6.
Scherer, William J., doing business as The Scherer Drug Company, Rochester, N. Y. Soothing cooling lotion. 377,538; May 7; Serial No. 426,014; published Feb. 27, 1940. Class 6.
Schering Corporation, Bloomfield, N. J. Individual containers containing individual, measured doses of hormone preparations. 377,565; May 7; Serial No. 426,347; published Feb. 27, 1940. Class 6.
Scherk, Ludwig, Inc., New York, N. Y. Astringents, astringent cerates, beauty creams, etc. 377,650; May 7; Serial No. 427,680; published Feb. 27, 1940. Class 6.
Schlichte, Fred E., Cincinnati, Ohio. Chemical washing fluids. 377,663; May 7. Class 6.
Scholl Mfg. Co. Inc., The, New York, N. Y., and Chicago, Ill. Publication. 377,399; May 7; Serial No. 371,233; published Feb. 20, 1940. Class 38.
Sears, Roebuck and Co., Chicago, Ill. Battery cables, ignition cable sets, and ignition coils. 377,631; May 7; Serial No. 427,045; published Feb. 27, 1940. Class 21.
Seymour & Peck Co., Chicago, Ill., assignor to the Greif Bros. Cooperage Corporation, Cleveland, Ohio. Wooden drums. 377,668; May 7. Class 2.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations used in the treatment of metabolic deficiencies, and tonics. 377,461; May 7; Serial No. 423,117; published Feb. 27, 1940. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for the treatment of neuralgic conditions, headaches, etc. 377,487; May 7; Serial No. 424,741; published Feb. 27, 1940. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation containing asafetida. 377,545; May 7; Serial No. 426,071; published Feb. 6, 1940. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antiseptic preparations and preparations for the treatment of injuries and/or inflammations; ointments and creams. 377,546; May 7; Serial No. 426,073; published Feb. 6, 1940. Class 6.
Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint fillers, undercoats, etc. 377,638; May 7; Serial No. 427,144; published Feb. 27, 1940. Class 16.
Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, shaving sticks, etc. 377,424; May 7; Serial No. 419,880; published Feb. 27, 1940. Class 4.
Siegel, William, New York, N. Y., assignor, by mesne assignments, to Reed and Carnick, Jersey City, N. J. Prophylactic and contraceptive jelly. 377,400; May 7; Serial No. 393,451; published Nov. 15, 1938. Class 6.
Silex Company, The, Hartford, Conn. Tea. 377,433; May 7; Serial No. 420,831; published Feb. 27, 1940. Class 46.
Silverstein & Pinsof, Inc., Chicago, Ill. Zinc base slushing alloys, lead base slushing alloys, etc. 377,526; May 7; Serial No. 425,810; published Feb. 27, 1940. Class 14.
Silverstein & Schlossberg, Baltimore, Md. Coats and suits, jackets and skirts. 377,642; May 7; Serial No. 427,210; published Feb. 27, 1940. Class 39.
Smith, T. C., Company. (See Stow, Charles D., assignor.)
Smoot, Joseph M., New York, N. Y. Board game. 377,590; May 7; Serial No. 426,578; published Feb. 27, 1940. Class 22.
Societe Nobel Francaise, Paris, France. Dressings for textile fabrics. 377,501; May 7; Serial No. 425,259; published Feb. 13, 1940. Class 6.
Sodiphene Company, The, Kansas City, Mo. Antiseptic germicide. 377,634; May 7; Serial No. 427,090; published Feb. 27, 1940.
Southern Kraft Corporation. (See Victory Bag & Paper Co., assignor.)
Southern Kraft Corporation. (See York Haven Paper Company, The, assignor.)
Sparks-Withington Company, The, Jackson, Mich. Electrical horns. 377,496; May 7; Serial No. 425,103; published Feb. 27, 1940. Class 21.
Special Formula Corporation, The, Bloomfield, N. J. Eau de cologne, face powder, skin freshener, etc. 377,484; May 7; Serial No. 424,698; published Feb. 6, 1940. Class 6.
Spuck Iron & Foundry Co., St. Louis, Mo. Processed cast iron alloy metal. 377,510; May 7; Serial No. 425,588; published Feb. 27, 1940. Class 14.
Standard Kid Manufacturing Company, assignor, by mesne assignments, to Allied Kid Company, Boston, Mass. Upper-leathers. 130,414; renewed Apr. 20, 1940.
Standard Oil Company of New Jersey, Wilmington, Del. Oils and lubricating greases. 377,505; May 7; Serial No. 425,432; published Jan. 30, 1940. Class 15.
Standard Sales Company of Florida, Inc., Jacksonville, Fla. Razor blades. 377,547; May 7; Serial No. 426,074; published Feb. 27, 1940. Class 23.
Standard Varnish Works, New York, to Standard Varnish Works, Staten Island, N. Y. Paints and enamel paints. 135,077; renewed Sept. 21, 1940.
Startex Mills. (See International Cotton Mills, assignor.)
Steinman, Will, Inc., New York, N. Y. Dresses. 377,648; May 7; Serial No. 427,399; published Feb. 27, 1940. Class 39.
Stoloff, Leonard S., Boston, Mass. Marshmallow crème. 377,455; May 7; Serial No. 422,916; published Feb. 27, 1940. Class 46.
Stoothoff, Stanley, Pontiac, Mich. Parlor or table games. 377,604; May 7; Serial No. 426,716; published Feb. 27, 1940. Class 22.
Stow, Charles D., assignor to Dr. T. C. Smith Company, Incorporated, Asheville, N. C. Medicine. 132,548; renewed June 22, 1940.
Sun Oil Company, Philadelphia, Pa. Gasoline. 377,515; May 7; Serial No. 425,630; published Jan. 30, 1940. Class 15.
Sunset Oil Company, Los Angeles, Calif. Gasoline, motor fuel oils, lubricating oils and greases, etc. 377,511; May 7; Serial No. 425,593; published Jan. 30, 1940. Class 15.
Sur-Kil Chemical Co., Tulsa, Okla. Insecticides. 377,679; May 7. Class 6.
Swetnam, Hobb, Company, Wichita Falls, Tex. Preparations or compounds and solutions for mending and repairing motors and motor parts, etc. 377,428; May 7; Serial No. 420,648; published Feb. 27, 1940. Class 6.
Swetnam, Hobb, Company, Wichita Falls, Tex. Radiator flushing compound, radiator flush neutralizer., etc. 377,429; May 7; Serial No. 420,650; published Feb. 27, 1940. Class 6.
Swetnam, Hobb, Company, Wichita Falls, Tex. Penetrating lubricating oil. 377,430; May 7; Serial No. 420,651; published Feb. 13, 1940. Class 15.
Swetnam, Hobb, Company, Wichita Falls, Tex. Preparations, compounds, or solutions for the purpose of mending or repairing motors and motor parts, etc. 377,431; May 7; Serial No. 420,652; published Feb. 27, 1940. Class 6.
Table Rock Laboratories, Inc., Greenville, S. C. Preparations for the treatment of vitamin deficiencies and of hypochlorhydria. 377,465; May 7; Serial No. 423,776; published Feb. 6, 1940. Class 6.
Takamine Laboratory, Inc., Clifton, N. J. Ointment. 377,643–4; May 7; Serial Nos. 427,214–15; published Feb. 20, 1940. Class 6.
Tennessee Corporation, New York, N. Y. Copper sulphates, sulphuric acid, manganese sulphate, etc. 377,403; May 7; Serial No. 399,638; published Feb. 13, 1940. Class 6.
Teotisli Laboratories Corporation, New York, N. Y. Preparation for the treatment and relief of bronchial diseases. 377,576; May 7; Serial No. 426,416; published Feb. 6, 1940. Class 6.
Theme Hosiery Company, Inc., Los Angeles, Calif. Hosiery. 377,470–1; May 7; Serial Nos. 423,932–3; published Feb. 27, 1940. Class 39.
Thomas, Chester L., doing business as Thomas Quilt Factories, Denver, Colo. Quilts, pads for beds, cots, etc. 377,577; May 7; Serial No. 426,421; published Feb. 20, 1940. Class 42.
Thornton, Leslie M., to L. M. Thornton Manufacturing Company, Kansas City, Mo., successor. Polish. 134,544; renewed Sept. 7, 1940.
Tornatore, Thomas, Canastota, N. Y. Onions. 377,438; May 7; Serial No. 421,359; published Feb. 27, 1940. Class 46.
Town Hall, Inc., The, New York, N. Y. Leaflets, pamphlets, services, etc. 377,469; May 7; Serial No. 423,960; published Feb. 13, 1940. Class 38.
Toy Tinkers, The, assignor to The Toy Tinkers, Inc., Evanston, Ill. Dolls, figure toys, rattles, etc. 135,346; renewed Sept. 28, 1940.
Triska, Joseph J., assignor to Triskalite Corporation, New York, N. Y. Chemicals for electroplating. 377,566; May 7; Serial No. 426,350; published Feb. 20, 1940. Class 6.
Trostel, Albert, & Sons Company, Milwaukee, Wis. Leather. 377,675; May 7. Class 1.
Turner, Day & Woolworth Handle Company, Louisville, Ky. Wooden handles for axes, hatchets, etc. 377,444; May 7; Serial No. 421,789; published Feb. 27, 1940. Class 23.
United Buyers Corporation, doing business as Foodcraft Products, Chicago, Ill. Clotheslines and wrapping twine. 377,502; May 7; Serial No .425,315; published Feb. 20, 1940. Class 7.
United States Gypsum Company, Chicago, Ill. Asphalt roofing. 377,398; May 7; Serial No. 360,332; published Feb. 27, 1940. Class 12.
United States Record Corporation, New York, N. Y. Phonograph records. 377,448; May 7; Serial No. 422,224; published Feb. 27, 1940. Class 36.

Valentine Laboratories, Inc., Chicago, Ill. Breath sweetener. 377,616; May 7; Serial No. 426,821; published Feb. 20, 1940. Class 6.

Van Raalte Company, Inc., New York, N. Y. Hosiery. 377,595; May 7; Serial No. 426,634; published Feb. 20, 1940. Class 39.

Vanti Pa-Pi-A Corporation, New York, N. Y. Beverage, and syrup for use in making the same. 377,591; May 7; Serial No. 426,583; published Feb. 20, 1940. Class 45.

Victory Bag & Paper Co., Marinette, Wis., and Chicago, Ill., assignor to Southern Kraft Corporation, New York, N. Y. Paper bags. 135,099; renewed Sept. 21, 1940.

Vitamineral Products Company. (See Casey, Paul S.)

Ward, William B., Buffalo, assignor, by mesne assignments, to Continental Baking Company, New York, N. Y. Bread, biscuits, and cakes. 126,368; renewed Aug. 19, 1939.

Wardwell Braiding Machine Company, Central Falls, R. I. Braiding-machines and parts thereof. 134,200; renewed Aug. 17, 1940.

Warwick Chemical Company, West Warwick, R. I. Dyestuffs. 377,641; May 7; Serial No. 427,182; published Feb. 20, 1940. Class 6.

Welsher, Samuel I., assignor, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. Soap flakes. 135,159; renewed Sept. 21, 1940.

Western Auto Supply Company, Los Angeles, Calif. Refrigerators. 377,611; May 7; Serial No. 426,746; published Feb. 27, 1940. Class 31.

Weyenberg Shoe Manufacturing Company, Milwaukee, Wis. Shoes. 377,661; May 7.

Whetstone, Donald, doing business as D. M. Whetstone Co., Marietta, Ohio. Medicinal preparation. 377,656; May 7; Serial No. 427,605; published Feb. 27, 1940. Class 6.

White Laboratories, Inc., Newark, N. J. Preparation to aid digestion. 377,570; May 7; Serial No. 426,384; published Feb. 6, 1940. Class 6.

White Laboratories, Inc., Newark, N. J. Preparation to aid digestion. 377,571; May 7; Serial No. 426,386; published Feb. 13, 1940. Class 6.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Paper and stationery. 135,165; renewed Sept. 21, 1940.

Whittall, M. J., Associates, Inc., Worcester, Mass. Carpets and rugs. 377,572; May 7; Serial No. 426,387; published Feb. 27, 1940. Class 42.

Wilson-Sears, Charles, London, England. Cheese. 377,406; May 7; Serial No. 402,834; published Feb. 27, 1940. Class 46.

Winthrop Chemical Company, Inc., New York, N. Y. Preparation for the treatment of anemias. 377,588; May 7; Serial No. 426,546; published Feb. 27, 1940. Class 6.

Wisconsin Shoe Company, Milwaukee, Wis. Athletic shoes. 134,851; renewed Sept. 14, 1940.

Wohl Shoe Company, St. Louis, Mo. Shoes. 377,676; May 7. Class 39.

Wolf & Dessauer Co., Fort Wayne, Ind. Pillow cases, sheets, and textile fabrics in the piece. 377,632; May 7; Serial No. 427,055; published Feb. 27, 1940. Class 42.

Wullschleger & Co., New York, N. Y. Velveteens. 377,639; May 7; Serial No. 427,154; published Feb. 27, 1940. Class 42.

Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Colloidal suspension of aluminum hydroxide in combination with other medicinal substances. 377,542; May 7; Serial No. 426,042; published Feb. 27, 1940. Class 6.

York Haven Paper Company, The, Philadelphia, Pa., assignor, by mesne assignments, to Southern Kraft Corporation, New York, N. Y. Wrapping-paper. 131,680; renewed May 18, 1940.

Young, Frederick H., assignor, by mesne assignments, to Josephine A. Young, doing business as The Frederick H. Young Company, Toledo, Ohio. Toilet cream, face-powder, talcum powder, etc. 131,681–2; renewed May 18, 1940.

Young, L. A., Spring & Wire Corporation, Detroit, Mich. Spring structures for mattresses and cushions. 377,585; May 7; Serial No. 426,472; published Feb. 27, 1940. Class 32.

Zetz 7Up Bottling Company, Inc., New Orleans, La. Beverages. 377,612; May 7; Serial No. 426,750; published Feb. 20, 1940. Class 45.

Zoes, Christ A., assignor to C. A. Zoes Manufacturing Co., Chicago, Ill. A cleaner for white glacé kid-leather. 132,074; renewed June 8, 1940.

Zuckerman, Edward, Cap Corp., New York, N. Y. Sun hats. 377,674; May 7. Class 39.

LIST OF REGISTRANTS OF LABELS

Canine Specialty Co. (See Gelfand, Simon.)

Creative Toy Company, Worcester, Mass. The Perfect Cut Out Paper Doll Holder. For Cutout Paper Doll Holders. 54,692; May 7.

Gelfand, Simon, doing business as Canine Specialty Co., Los Angeles, Calif. Dog Kandy. For A Canine Tidbit Containing Vitamins A, B, D, and G. 54,693; May 7.

Long, W. E., Co., The, Chicago, Ill. Aunt Hattie's Bread. For Bread. 54,694; May 7.

Long, W. E., Co., The, Chicago, Ill. Holsum Bread. For Bread. 54,695; May 7.

Meyer, Frank C., Co. Inc., New York, N. Y. Paul's. For Shoes. 54,696; May 7.

Pennsylvania Distilling Company, Inc., Philadelphia, Pa. Union Town. Straight Bourbon Whiskey. 54,697; May 7.

Rokeach, J., & Sons, Inc., Brooklyn, N. Y. "Rokeach's Kosher Scouring Powder". For Scouring Powder. 16,426; renewed May 24, 1940.

Schulze Baking Company, Kansas City, Mo. Honey Wheat. For Bread. 54,698; May 7.

Standard Brands Incorporated, New York, N. Y. Chase & Sanborn Dated Coffee. For Coffee (Drip Grind). 54,699; May 7.

Standard Brands Incorporated, New York, N. Y. Chase & Sanborn Dated Coffee. For Coffee (Regular Grind). 54,700; May 7.

Standard Brands Incorporated, New York, N. Y. Chase & Sanborn "Friendship In a Cup" Coffee. For Coffee (Drip Grind). 54,701; May 7.

Standard Brands Incorporated, New York, N. Y. Chase & Sanborn "Friendship In a Cup" Coffee. For Coffee (Regular Grind). 54,702; May 7.

Tovar Corporation, The, St. Petersburg, Fla. Tovar. For Varnish. 54,703; May 7.

LIST OF REGISTRANTS OF PRINTS

Believe It Or Not, Inc., Mamaroneck, N. Y. Believe It or Not! Death Wins at Roulette. For Coal. 17,950; May 7.

Believe It Or Not, Inc., Mamaroneck, N. Y. Believe It or Not! Miracle of Armentieres. For Coal. 17,951; May 7.

Believe It Or Not, Inc., Mamaroneck, N. Y. Believe It or Not! The Man Whose Freedom Hung By a Hair. For Coal. 17,952; May 7.

Believe It Or Not, Inc., Mamaroneck, N. Y. Believe It or Not! The $6,000,000 Tooth. For Coal. 17,953; May 7.

Believe It Or Not, Inc., Mamaroneck, N. Y. Believe It or Not! The Weird Alpine Death Mystery. For Coal. 17,954; May 7.

Cereal Mills Company, Wausau, Wis. Marathon Brand. For Seeds and Feeds. 17,955; May 7.

General Mills, Inc., Minneapolis, Minn. English Breakfast Marmalade Jar. For A Cereal Food. 17,956; May 7.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. F. S. Martin. 377,494; May 7; Serial No. 425,029; published Feb. 27, 1940.

Leather. Albert Trostel & Sons Company. 377,675; May 7.

Leathers, Upper. Standard Kid Manufacturing Company. 130,414; renewed Apr. 20, 1940.

Resins and resin solutions. Reichhold Chemicals Inc. 377,411; May 7; Serial No. 411,180; published Feb. 27, 1940.

CLASS 2

Bags, Paper. Victory Bag & Paper Co. 135,099; renewed Sept. 21, 1940.

Drums, Wooden. Seymour & Peck Co. 377,668; May 7.

CLASS 4

Abrasive implements. M. P. Griffin. 377,513; May 7; Serial No. 425,614; published Feb. 27, 1940.

Cleaner and dresser, White side-wall tire. Keel & Company. 377,463; May 7; Serial No. 423,567; published Feb. 27, 1940.

Cleaner for white glacé kid-leather. C. A. Zoes. 132,074; renewed June 8, 1940.

Compounds for cleaning automobile bodies and similar articles. C. M. Albion. 377,456; May 7; Serial No. 422,921; published Feb. 27, 1940.

Polishes, shoe-blackings, shoe-cleansers, etc., Shoe. Griffin Manufacturing Co. Inc. 135,250; renewed Sept. 28, 1940.

Preparation for shaving, etc., Pastelike. Napco Corporation. 135,022; renewed Sept. 21, 1940.

Sapouaceous compounds, shaving cream, shaving sticks, etc. Shulton, Inc. 377,424; May 7; Serial No. 419,880; published Feb. 27, 1940.

Soap. Huntington Chemical Company. 132,709; renewed June 29, 1940.

Soap. Procter and Gamble Company. 134,773; renewed Sept. 14, 1940.

Soap. Procter & Gamble Company. 135,047; renewed Sept. 21, 1940.

Soap flakes. S. I. Welsher. 135,159; renewed Sept. 21, 1940.

Soda and washing soda, Sal. Church & Dwight Co. Inc. 377,407–10; May 7; Serial Nos. 410,637–40; published Feb. 27, 1940.

Washing powder. Climalene Company. 377,560; May 7; Serial No. 426,287; published Feb. 27, 1940.

CLASS 6

Ammonium sulfate, ammonium chloride, caustic soda, etc. Dow Chemical Company. 377,483; May 7; Serial No. 424,620; published Feb. 13, 1940.

Anesthetic, Rectal. Abbott Laboratories. 377,523; May 7; Serial No. 425,772; published Feb. 6, 1940.

Antacid tablet. Wm. W. Bewley. 377,473; May 7; Serial No. 424,116; published Feb. 13, 1940.

Anti-freeze and corrosion preventive. National Carbon Company. 377,569; May 7; Serial No. 426,378; published Feb. 20, 1940.

Antiseptic dressing. Ayerst, McKenna & Harrison (United States), Limited. 377,543; May 7; Serial No. 426,049; published Feb. 27, 1940.

Antiseptic preparations and preparations for the treatment of injuries and/or inflammations, Ointments and creams. Sharp & Dohme, Incorporated. 377,546; May 7; Serial No. 426,073; published Feb. 6, 1940.

Antiseptics, disinfectants, and deodorants. Dairy Laboratories. 377,467; May 7; Serial No. 423,802; published Feb. 6, 1940.

Astringents, astringent cerates, beauty creams, etc. Delettrez, Inc. 377,573; May 7; Serial No. 426,399; published Feb. 27, 1940.

Astringents, astringent cerates, beauty creams, etc. Delettrez, Inc. 377,647; May 7; Serial No. 427,338; published Feb. 20, 1940.

Astringents, astringent cerates, beauty creams, etc. Ludwig Scherk, Inc. 377,659; May 7; Serial No. 427,680; published Feb. 27, 1940.

Balm, Liquid. F. W. Noak. 377,618; May 7; Serial No. 426,841; published Feb. 20, 1940.

Bay rum. A. Y. Marin. 377,635; May 7; Serial No. 427,115; published Feb. 27, 1940.

Biologicals, biological materials and preparations, etc. Baltimore Biological Laboratory. 377,460; May 7; Serial No. 423,067; published Feb. 6, 1940.

Biologicals, biological materials and preparations, etc. Baltimore Biological Laboratory. 377,459; May 7; Serial No. 423,058; published Feb. 6, 1940.

Breath sweetener. Valentine Laboratories, Inc. 377,616; May 7; Serial No. 426,821; published Feb. 20, 1940.

Capsule containing vitamins, Elastic. Eli Lilly and Company. 377,472; May 7; Serial No. 424,094; published Feb. 27, 1940.

Charcoal and activated carbon. Cliffs Dow Chemical Company. 377,457; May 7; Serial No. 422,925; published Feb. 13, 1940.

Chemical compounds. Röhm & Haas Company. 377,434; May 7; Serial No. 421,052; published Feb. 13, 1940.

Chemical materials and compositions. Promat Company. 377,464; May 7; Serial No. 423,710; published Feb. 27, 1940.

Chemical substance and compound used industrially. Onyx Oil & Chemical Company. 377,559; May 7; Serial No. 426,269; published Feb. 20, 1940.

Chemical washing fluids. F. L. Schlichte. 377,663; May 7.

Chemicals and mixtures of fluorescent chemicals, Fluorescent. General Luminescent Corporation. 377,624; May 7; Serial No. 426,948; published Feb. 20, 1940.

Chemicals for electroplating. J. J. Triska. 377,566; May 7; Serial No. 426,350; published Feb. 20, 1940.

Chemicals, Photographic. I. G. Farbenindustrie Aktiengesellschaft. 377,574; May 7; Serial No. 426,404; published Feb. 13, 1940.

Cold tablets. F. J. Airey Co. 377,578; May 7; Serial No. 426,424; published Feb. 20, 1940.

Colloidal suspension of aluminum hydroxide in combination with other medicinal substances. John Wyeth & Brother, Incorporated. 377,542; May 7; Serial No. 426,042; published Feb. 27, 1940.

Coloring material, Flame. J. P. B. Fiske. 377,563; May 7; Serial No. 426,331; published Feb. 20, 1940.

Composition for dustproofing coal. Johnson-March Corporation. 377,628–9; May 7; Serial Nos. 426,981–2; published Feb. 27, 1940.

Compound, radiator compound, and water softener, Boiler. Darco Corporation. 377,527; May 7; Serial No. 425,830; published Feb. 27, 1940.

Compound to be mixed with feed rations of animals. P. S. Casey. 377,488; May 7; Serial No. 424,754; published Feb. 13, 1940.

Copper sulphates, sulphuric acid, manganese sulphate, etc. Tennessee Corporation. 377,403; May 7; Serial No. 399,638; published Feb. 13, 1940.

Cosmetics. House of Hollywood. 377,452; May 7; Serial No. 422,855; published Feb. 13, 1940.

Cosmetics. House of Charm Cosmetic Co. 377,556; May 7; Serial No. 426,198; published Feb. 20, 1940.

Cosmetics. D. H. Kahn. 377,417; May 7; Serial No. 416,424; published Feb. 27, 1940.

Cosmetics, perfumes, theatrical make-up, etc. Max Factor & Co. 377,677; May 7.

Cream, face-powder, talcum powder, etc., Toilet. F. H. Young. 131,681–2; renewed May 18, 1940.

Cream, Cleansing. Dermetics, Inc. 377,670; May 7.

Dehydrant for refrigerants, Liquid. D. Crampton. 377,553; May 7; Serial No. 426,159; published Feb. 20, 1940.

Dentifrice. Mary Woodward Reinhardt and Mary H. McSweeney. 377,619; May 7; Serial No. 426,844; published Feb. 27, 1940.

Disinfectants, insecticides, and germicides. Rochester Germicide Company. 134,531; renewed Sept. 7, 1940.

Dressings for textile fabrics. Societe Nobel Francaise. 377,501; May 7; Serial No. 425,259; published Feb. 13, 1940.

Dyestuffs. Phoenix Color & Chemical Co. 377,427; May 7; Serial No. 420,541; published Sept. 5, 1939.

Dyestuffs. Warwick Chemical Company. 377,641; May 7; Serial No. 427,641; published Feb. 20, 1940.

Dyestuffs, Bulk. Maher Color & Chemical Co. 377,550; May 7; Serial No. 426,101; published Feb. 13, 1940.

Ear drops. Dalar Medical Laboratories, Inc. 377,419; May 7; Serial No. 417,645; published June 13, 1939.

Eau de cologne, face powder, skin freshener, etc. Special Formula Corporation. 377,484; May 7; Serial No. 424,698; published Feb. 6, 1940.

Formula for use in restoring the natural finish to limestone, granite, etc., Specially prepared. Etchall, Inc. 377,442; May 7; Serial No. 421,699; published Feb. 20, 1940.

Gas, Liquefied petroleum. Blish, Mize and Silliman Hardware Company. 377,468; May 7; Serial No. 423,845; published Feb. 13, 1940.

Germicide and antiseptic. Carbo-Fung Chemical Laboratory. 377,567; May 7; Serial No. 426,357; published Feb. 13, 1940.

Germicide, Antiseptic. Sodiphene Company. 377,634; May 7; Serial No. 427,090; published Feb. 27, 1940.

Glycerine. Procter & Gamble Company. 377,544; May 7; Serial No. 426,068; published Feb. 13, 1940.

Glycerine substitutes, interaction products of aldehydes and ketones, etc. Minnesota Mining & Manufacturing Company. 377,498; May 7; Serial No. 425,159; published Feb. 13, 1940.

Hair preparation. L. G. Ramsey. 377,681; May 7.

Hair preparations. A. Brooks. 377,554; May 7; Serial No. 426,180; published Feb. 20, 1940.

Hormone preparations, Individual containers containing individual measured doses of. Schering Corporation. 377,565; May 7; Serial No. 426,347; published Feb. 27, 1940.

Insecticides. Chemische Fabrik Tempelhof Preuss & Temmler. 377,531; May 7; Serial No. 425,879; published Feb. 6, 1940.

Insecticides. Sur-Kil Chemical Co. 377,679; May 7.

Insecticides and fungicides. General Chemical Company. 377,613; May 7; Serial No. 426,770; published Feb. 20, 1940.

Laxative pills. Casco Company. 377,683; May 7.

Laxative preparation, Alkaline. C. T. Bromlwy. 377,480; May 7; Serial No. 424,341; published Feb. 13, 1940.

Liniment. D. A. Caughran. 377,485; May 7; Serial No. 424,712; published Feb. 6, 1940.

Lipsticks, rouges, and nail polishes, and toilet cream. Elizabeth Arden, Inc. 377,652; May 7; Serial No. 427,569; published Feb. 27, 1940.

Liquid preparation. Melvin Co. 377,524; May 7; Serial No. 425,802; published Feb. 6, 1940.

Lotion, Soothing cooling. W. J. Scherer. 377,538; May 7; Serial No. 426,014; published Feb. 27, 1940.

Lotions, complexion creams, and skin lotions, Sunburn. H. E. Boyce. 377,596; May 7; Serial No. 426,640; published Feb. 27, 1940.

Magnesite. S. A. Saprochi. 377,437; May 7; Serial No. 421,354; published Feb. 13, 1940.

Medicinal preparation. L. Aiello. 377,503; May 7; Serial No. 425,322; published Feb. 6, 1940.

Medicinal preparation. Charles E. Frosst & Co. 377,421; May 7; Serial No. 418,229; published Feb. 13, 1940.

Medicinal preparation. Hoover & Co. 377,528; May 7; Serial No. 425,835; published Feb. 6, 1940.
Medicinal preparation. Palliver Laboratories, Inc. 377,509; May 7; Serial No. 425,529; published Feb. 6, 1940.
Medicinal preparation. D. Whetstone. 377,656; May 7; Serial No. 427,605; published Feb. 27, 1940.
Medicinal preparations. A. G., A. C., A. V. Harris. 377,537; May 7; Serial No. 425,997; published Feb. 6, 1940.
Medicinal preparations. Knox Company. 377,548; May 7; Serial No. 426,003; published Feb. 6, 1940.
Medicine. C. D. Stow. 132,548; renewed June 22, 1940.
Oil, Sun-tan. Parfums Charbert, Inc. 377,540; May 7; Serial No. 426,033; published Feb. 27, 1940.
Ointment. Takamine Laboratory, Inc. 377,643–4; May 7 Serial Nos. 427,214–15; published Feb. 20, 1940.
Olive oil for medicinal purposes. P. Sasso e Figli. 377,402; May 7; Serial No. 397,383; published Feb. 13, 1940.
Perfume. M. M. Greene. 377,508; May 7; Serial No. 425,518; published Feb. 13, 1940.
Perfume. Nyal Company. 377,653–5; May 7; Serial Nos. 427,590–2; published Feb. 27, 1940.
Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 377,650; May 7; Serial No. 427,503; published Feb. 27, 1940.
Powder, Foot bath. W. R. Scheetz. 377,575; May 7; Serial No. 426,413; published Feb. 20, 1940.
Powder, Tooth. W. M. Boddie. 377,579; May 7; Serial No. 426,431; published Feb. 13, 1940.
Powders and liquids for exterminating and control of vermin; insecticides; etc. Mysterious Chemical Company. 377,594; May 7; Serial No. 426,627; published Feb. 13, 1940.
Preparation containing asafetida. Sharp & Dohme, Incorporated. 377,545; May 7; Serial No. 426,071; published Feb. 6, 1940.
Preparation for acute, relaxed, and disturbed conditions of the stomach and bowels. Dr. Peter Fahrney & Sons Co. 377,475–8; May 7; Serial Nos. 425,161–4; published Feb. 6, 1940.
Preparation for coughs. Browne Pharmacy, Inc. 377,580; May 7; Serial No. 426,433; published Feb. 20, 1940.
Preparation for the relief of pain due to muscular aches and pains of a minor nature. N. S. Gadol. 377,581; May 7; Serial No. 426,444; published Feb. 27, 1940.
Preparation for the treatment and relief of bronchial diseases. Teotisil Laboratories Corporation. 377,576; May 7; Serial No. 426,416; published Feb. 6, 1940.
Preparation for the treatment of anemias. Winthrop Chemical Company. 377,588; May 7; Serial No. 426,546; published Feb. 27, 1940.
Preparation for the treatment of poultry for intestinal disorders. G. E. Conkey Co. 377,646; May 7; Serial No. 427,297; published Feb. 20, 1940.
Preparation to aid digestion. White Laboratories, Inc. 377,570; May 7; Serial No. 426,384; published Feb. 6, 1940.
Preparation to aid digestion. White Laboratories, Inc. 377,571; May 7; Serial No. 426,386; published Feb. 13, 1940.
Preparation used for mending hosiery and textile materials. F. L. Johnson. 377,532; May 7; Serial No. 425,919; published Feb. 6, 1940.
Preparation used in the treatment of kidney disorders. R. Salazar. 377,482; May 7; Serial No. 424,605; published Feb. 13, 1940.
Preparations used in the treatment of metabolic deficiencies, and tonics. Sharp & Dohme, Incorporated. 377,461; May 7; Serial No. 423,117; published Feb. 27, 1940.
Preparation used in the treatment of minor irritations of the throat. International Affiliated Corporation. 377,568; May 7; Serial No. 426,363; published Feb. 20, 1940.
Preparation used in the treatment of vitamin K deficiencies. Parke, Davis & Company. 377,645; May 7; Serial No. 427,257; published Feb. 20, 1940.
Preparations, compounds, or solutions for the purpose of mending or repairing motors and motor parts, etc. Hobb Swetnam Company. 377,431; May 7; Serial No. 420,652; published Feb. 27, 1940.
Preparations for colds. C. C. Owen. 377,500; May 7; Serial No. 425,252; published Feb. 13, 1940.
Preparations for destroying snails and mollusks. Lonza Elektrizitätswerke & Chemische Fabriken Aktiengesellschaft. 377,592; May 7; Serial No. 426,624; published Feb. 27, 1940.
Preparations for the treatment of neuralgic conditions, headaches, etc. Sharp & Dohme, Incorporated. 377,487; May 7; Serial No. 424,741; published Feb. 27, 1940.
Preparations for the treatment of vitamin deficiencies and of hypochlorhydria. Table Rock Laboratories, Inc. 377,465; May 7; Serial No. 423,776; published Feb. 6, 1940.
Preparations or compounds and solutions for mending and repairing motors and motor parts, etc. Hobb Swetnam Company. 377,428; May 7; Serial No. 420,648; published Feb. 27, 1940.
Product used for the treatment of nervous affections and diseases and for insomnia, Liquid. Laboratoires G. Reaubourg Société Anonyme. 377,649; May 7; Serial No. 427,435; published Feb. 27, 1940.
Prophylactic and contraceptive jelly. W. Siegel. 377,400; May 7; Serial No. 393,451; published Nov. 15, 1938.
Radiator flushing compound, radiator flush neutralizer, etc. Hobb Swetnam Company. 377,429; May 7; Serial No. 420,650; published Feb. 27, 1940.
Resinous material, Synthetic. Resinous Products & Chemical Company. 377,651; May 7; Serial No. 427,518; published Feb. 20, 1940.
Salts and laxatives, Effervescent. Carter Products, Inc. 377,552; May 7; Serial No. 426,154; published Feb. 20, 1940.
Soldering flux. F. D. McBride. 377,420; May 7; Serial No. 418,161; published Feb. 27, 1940.
Solvent and cleaner for dissolving oil residues, sludge formations, etc. Petroleum Solvents Corporation. 377,541; May 7; Serial No. 426,035; published Feb. 6, 1940.
Suppositories for treating vaginal conditions. Krystal Co. 377,533; May 7; Serial No. 425,920; published Feb. 6, 1940.
Suppositories, Hemorrhoidal. J. Osterweil. 377,493; May 7; Serial No. 424,928; published Feb. 13, 1940.
Therapeutic preparations. Merck & Co. 377,657; May 7; Serial No. 427,636; published Feb. 27, 1940.
Therapeutic products. Kremers Urban Company. 377,549; May 7; Serial No. 426,094; published Feb. 13, 1940.
Tinning compound. Bar-Car Mill, Inc. 377,669; May 7.
Tints, dyes, tonics, etc., Hair. Chadwick Chemical Co. 377,521; May 7; Serial No. 425,729; published Feb. 6, 1940.
Toilet preparation. L. Foster. 377,492; May 7; Serial No. 424,872; published Feb. 13, 1940.
Toilet preparations. F. Denney. 377,522; May 7; Serial No. 425,733; published Feb. 6, 1940.
Toilet preparations. F. Denney. 377,609; May 7; Serial No. 426,728; published Feb. 27, 1940.
Tonic, Skin. Curry Laboratory. 377,466; May 7; Serial No. 423,800; published Feb. 6, 1940.
Vitamin preparation, Liquid. Od Peacock Sultan Company. 377,557; May 7; Serial No. 426,216; published Feb. 20, 1940.
Water, Processed liquid or mineral. A. Granat. 377,499; May 7; Serial No. 425,240; published Feb. 20, 1940.

CLASS 7

Clotheslines and wrapping twine. United Buyers Corporation. 377,502; May 7; Serial No. 425,315; published Feb. 20, 1940.
Ribbon-like tying material, Flat. Chicago Printed String Co. 377,665; May 7.

CLASS 8

Cigarette-paper. Liggett & Myers Tobacco Company. 130,796; renewed May 4, 1940.
Pipe-bits, cigar holders, and cigarette-holders, Hard-rubber. American Hard Rubber Company. 134,877; renewed Sept. 21, 1940.

CLASS 9

Explosive of the dynamite type, High. E. I. du Pont de Nemours and Company. 130,704; renewed May 4, 1940.
Explosives, firearms, and projectiles. Remington Arms Company. 133,792; renewed Aug. 3, 1940.

CLASS 12

Bricks, partition blocks, slabs, etc., Insulating. Aktieselskabet Skarrebage Molervaerk. 377,436; May 7; Serial No. 421,173; published Feb. 6, 1940.
Cement and fiber coating, Plastic. Barber Asphalt Corporation. 377,519; May 7; Serial No. 425,682; published Feb. 6, 1940.
Cement, High temperature. Laclede-Christy Clay Products Company. 134,707; renewed Sept. 14, 1940.
Flooring, interior trim, lumber, etc., Hardwood. E. L. Bruce Company. 377,520; May 7; Serial No. 425,693; published Jan. 30, 1940.
Insulating materials, Granular, thermal. W. A. Cook. 377,405; May 7; Serial No. 401,760; published Jan. 30, 1940.
Roofing, Asphalt. United States Gypsum Company. 377,398; May 7; Serial No. 360,332; published Feb. 27, 1940.
Roofing, Composition. Barber Asphalt Corporation. 377,518; May 7; Serial No. 425,681; published Jan. 30, 1940.

CLASS 14

Alloys, lead base slushing alloys, etc., Zinc base slushing. Silverstein & Pinsof, Inc. 377,526; May 7; Serial No. 425,810; published Feb. 27, 1940.
Lead and lead alloys. National Lead Company. 377,422; May 7; Serial No. 418,732; published Feb. 27, 1940.
Metal, Processed cast iron alloy. Spuck Iron & Foundry Co. 377,510; May 7; Serial No. 425,588; published Feb. 27, 1940.

CLASS 15

Gasoline. Sun Oil Company. 377,515; May 7; Serial No. 425,630; published Jan. 30, 1940.
Gasoline, High compression. Dryer, Clark & Dryer Oil Company. 377,412; May 7; Serial No. 411,681; published Feb. 13, 1940.
Gasoline, motor fuel oils, lubricating oils and greases, etc. Sunset Oil Company. 377,511; May 7; Serial No. 425,593; published Jan. 30, 1940.
Lubricant in powdered form. W. Rosenberg. 377,441; May 7; Serial No. 421,583; published Feb. 13, 1940.
Lubricants and cutting oils and concentrates used therein, Compounded. Lubri-Zol Corporation. 377,536; May 7; Serial No. 425,965; published Jan. 30, 1940.
Oil, Penetrating lubricating. Hobb Swetnam Company. 377,430; May 7; Serial No. 420,651; published Feb. 13, 1940.
Oils and greases, Lubricating. Pennsylvania Petroleum Products Co. 377,583; May 7; Serial No. 426,462; published Feb. 20, 1940.
Oils and lubricating greases. Standard Oil Company of New Jersey. 377,505; May 7; Serial No. 425,432; published Jan. 30, 1940.

CLASS 16

Paint, Aluminum and bronze. Mobile Paint Manufacturing Company. 377,504; May 7; Serial No. 425,357; published Feb. 27, 1940.
Paint, aluminum paint, flat paint, etc., Gold. Gilman Paint and Varnish Co. 377,558; May 7; Serial No. 426,250; published Feb. 27, 1940.
Paint, Coal-tar. Barrett Company. 377,534; May 7; Serial No. 425,948; published Feb. 27, 1940.
Paints and enamel paints. Standard Varnish Works. 135,077; renewed Sept. 21, 1940.
Paints, paint fillers, undercoats, etc. Sherwin-Williams Co. 377,638; May 7; Serial No. 427,144; published Feb. 27, 1940.
Polish. L. M. Thornton. 134,544; renewed Sept. 7, 1940.
Polish for furniture and woodwork. D. A. Foister. 377,658; May 7; Serial No. 427,658; published Feb. 27, 1940.

CLASS 17

Cigarettes. Liggett & Myers Tobacco Company. 133,272; renewed July 20, 1940.
Cigarettes. Liggett & Myers Tobacco Company. 133,455; renewed July 27, 1940.
Tobacco and cigarettes, Smoking and chewing. Liggett & Myers Tobacco Company. 133,454; renewed July 27, 1940.

CLASS 19

Cars, Tank. General American Tank Car Corporation. 132,948; renewed July 6, 1940.

CLASS 20

Linoleum and felt-base floor coverings. Quaker City Linoleum Company. 377,401; May 7; Serial No. 395,880; published Feb. 20, 1940.

CLASS 21

Cables, ignition cable sets, and ignition coils, Battery. Sears, Roebuck and Co. 377,631; May 7; Serial No. 427,045; published Feb. 27, 1940.
Electrical apparatus, machines, and supplies. American Hard Rubber Company. 133,892; renewed Aug. 10, 1940.
Horns, Electrical. Sparks-Withington Company. 377,496; May 7; Serial No. 425,103; published Feb. 27, 1940.
Lighting fixtures, Electric. Chase Brass & Copper Co. Incorporated. 377,626; May 7; Serial No. 426,970; published Feb. 27, 1940.
Lighting systems and magnetos and repair parts therefor, Ignition and electric. Cleveland Ignition Company. 134,911; renewed Sept. 21, 1940.

CLASS 22

Dolls, figure toys, rattles, etc. Toy Tinkers, Inc. 135,346; renewed Sept. 28, 1940.
Game, Board. J. M. Smoot. 377,590; May 7; Serial No. 426,578; published Feb. 27, 1940.
Game, Card number. L. Kessler. 377,601; May 7; Serial No. 426,700; published Feb. 27, 1940.
Game, Table. Milton Bradley Company. 377,608; May 7; Serial No. 426,726; published Feb. 27, 1940.
Games, Parlor or table. S. Stoothoff. 377,604; May 7; Serial No. 426,716; published Feb. 27, 1940.

CLASS 23

Axle shafts, drive shafts, flywheel gears, etc., Vehicle. Lempco Products, Inc. 377,458; May 7; Serial No. 422,937; published Feb. 27, 1940.
Beaters, Egg. Edward Katzinger Company. 377,637; May 7; Serial No. 427,140; published Feb. 27, 1940.
Braiding-machines and parts thereof. Wardwell Braiding Machine Company. 134,200; renewed Aug. 17, 1940.
Fire extinguisher apparatus and repair and replacement parts therefor, Portable. Cardox Corporation. 377,640; May 7; Serial No. 427,156; published Feb. 27, 1940.
Handles for axes, hatchets, etc., Wooden. Turner, Day & Woolworth Handle Company. 377,444; May 7; Serial No. 421,789; published Feb. 27, 1940.
Machinery and parts thereof. Jabez Burns & Sons. 134,160; renewed Aug. 17, 1940.
Picture producing apparatus, Motion. Bell & Howell Company. 130,637; renewed May 4, 1940.
Razor blades. Standard Sales Company of Florida, Inc. 377,547; May 7; Serial No. 426,074; published Feb. 27, 1940.
Snow plows and plows for removing snow from the side of the road. Roto Wing Company. 377,454; May 7; Serial No. 422,911; published Feb. 27, 1940.
Trolleys, cranes, and tongs, etc. New Jersey Foundry & Machine Co. 130,848; renewed May 4, 1940.

CLASS 26

Instruments and parts thereof used in timing watches, clocks, and similar devices having periodic motion. Thomas B. Gibbs & Co. 377,447; May 7; Serial No. 422,110; published Feb. 27, 1940.
Plugs and similar metering devices, Oil metering. General Motors Corporation. 377,435; May 7; Serial No. 421,138; published Feb. 27, 1940.
Spectacles or goggles, Sun. New York Merchandise Co. Inc. 377,625; May 7; Serial No. 426,958; published Feb. 27, 1940.
Stamps, Time. J. Levy. 130,537; renewed Apr. 27, 1940.

CLASS 31

Diatomaceous earth for filtering purposes. Honan-Crane, Inc. 377,413; May 7; Serial No. 411,693; published Mar. 28, 1939.
Refrigerators. Western Auto Supply Company. 377,611; May 7; Serial No. 426,746; published Feb. 27, 1940.

CLASS 32

Blinds, Venetian. Royal Venetian Blind Mfg. Co. 377,605; May 7; Serial No. 426,719; published Feb. 27, 1940.
Mattresses, cots, studio couches, etc. A. Brandwein & Company. 377,423; May 7; Serial No. 419,608; published Feb. 27, 1940.
Spring structures for mattresses and cushions. L. A. Young Spring & Wire Corporation. 377,585; May 7; Serial No. 426,472; published Feb. 27, 1940.
Stands, Perfume display. Coty, Inc. 377,555; May 7; Serial No. 426,188; published Feb. 27, 1940.

CLASS 35

Beltings, lacings, valve-disk packings etc. Pacific Mill and Mine Supply Company. 133,773; renewed Aug. 3, 1940.
Belts, Power transmission. B. F. Goodrich Company. 377,610; May 7; Serial No. 426,729; published Feb. 27, 1940.
Tires and tubes, Automobile pneumatic. Abel Sales Corporation. 377,606; May 7; Serial No. 426,722; published Feb. 27; 1940.

CLASS 36

Pianofortes, grand and upright pianos, and grand and upright player-pianos. J. & C. Fischer. 134,647; renewed Sept. 14, 1940.
Pianos. Paul G. Mehlin & Sons. 134,738; renewed Sept. 14, 1940.
Records, Phonograph. United States Record Corporation. 377,448; May 7; Serial No. 422,224; published Feb. 27, 1940.

CLASS 37

Match book covers. W. C. Gartelman. 377,506–7; May 7; Serial Nos. 425,467–8; published Feb. 27, 1940.
Paper and stationery. White & Wyckoff Manufacturing Company. 135,165; renewed Sept. 21, 1940.
Paper, Duplex crinkled or craped. Angier Mechanical Laboratories. 132,612; renewed June 29, 1940.
Paper, Wrapping. York Haven Paper Company. 131,680; renewed May 18, 1940.

CLASS 38

Cartoon series. King Feature Syndicate, Inc. 377,597; May 7; Serial No. 426,653; published Feb. 20, 1940.
Leaflets, pamphlets, services, etc. Town Hall, Inc. 377,469; May 7; Serial No. 423,960; published Feb. 13, 1940.
Magazine. Macfadden Publications, Inc. 377,440; May 7; Serial No. 421,520; published Feb. 13, 1940.
Magazine. Macfadden Publications, Inc. 377,539; May 7; Serial No. 426,031; published Feb. 20, 1940.
Magazine. New York Stock Exchange. 377,525; May 7; Serial No. 425,803; published Feb. 20, 1940.
Magazine. Payson Publishing, Inc. 377,514; May 7; Serial No. 425,621; published Feb. 13, 1940.
Magazine column. F-R. Publishing Corporation. 377,586–7; May 7; Serial Nos. 426,489–90; published Feb. 20, 1940.
Newspaper. Hearst Consolidated Publications, Inc. 377,564; May 7; Serial No. 426,336; published Feb. 13, 1940.
Newspaper, Weekly. Catholic News Publishing Company. 134,607; renewed Sept. 14, 1940.

Periodical. Millinery Associates, Inc. 377,530; May 7; Serial No. 425,858; published Feb. 20, 1940.
Publication. Scholl Mfg. Co. Inc. 377,399; May 7; Serial No. 371,233; published Feb. 20, 1940.

CLASS 39

Aprons, leg aprons, breeches, etc. George Master Garment Corporation. 377,673; May 7.
Brassières. Glucking Corp. 377,678; May 7.
Clothing, Women's. Kline's Incorporated. 377,602; May 7; Serial No. 426,701; published Feb. 27; 1940.
Coats and suits, jackets and skirts. Silverstein & Schlossberg. 377,642; May 7; Serial No. 427,210; published Feb. 27, 1940.
Coats, slickers; aprons, etc., Waterproof and non-waterproof. J. T. Caradine. 134,344; renewed Aug. 31, 1940.
Coats, suits, and dresses. Printz-Biederman Company. 377,623; May 7; Serial No. 426,804; published Feb. 27, 1940.
Corsets, girdles, and combination corsets and brassières. H. W. Gossard Co. 377,666; May 7.
Diapers, Textile. Chicago Mail Order Company. 377,671; May 7.
Dresses. Rhea Manufacturing Company. 377,603; May 7; Serial No. 426,710; published Feb. 20, 1940.
Dresses. Will Steinman, Inc. 377,648; May 7; Serial No. 427,399; published Feb. 27, 1940.
Dresses and suits, Ladies'. McKettrick Williams, Inc. 377,598; May 7; Serial No. 426,658; published Feb. 27, 1940.
Dresses, suits and frocks, Ladies'. Marinette Knitting Mills. 377,582; May 7; Serial No. 426,457; published Feb. 20 1940.
Dresses, Wash. Carson Pirie Scott & Company. 377,621; May 7; Serial No. 426,854; published Feb. 27, 1940.
Garments. Modern Made Sportswear, Inc. 377,446; May 7; Serial No. 422,010; published Feb. 27, 1940.
Garments, Sleeping. Marshall Field & Company. 130,815; renewed May 4, 1940.
Girdles, corsets, and brassières, etc. Artistic Foundations, Inc. 377,662; May 7.
Hats, Sun. E. Zuckerman. 377,674; May 7.
Hats, Women's. Wm. Knowlton & Sons Company. 377,664; May 7.
Hosiery. Carity Hosiery Company. 377,495; May 7; Serial No. 425,041; published Feb. 27, 1940.
Hosiery. Cooper Underwear Company. 134,924; renewed Sept. 21, 1940.
Hosiery. Knit Products Corporation. 377,440; May 7; Serial No. 422,549; published Feb. 27, 1940.
Hosiery. A. Ross. 377,414; May 7; Serial No. 412,873; published Nov. 28, 1939.
Hosiery. Theme Hosiery Company. 377,470–1; May 7; Serial Nos. 423,932–3; published Feb. 27, 1940.
Hosiery. Van Raalte Company. 377,595; May 7; Serial No. 426,634; published Feb. 20, 1940.
Neckwear. L. Kramer. 377,672; May 7.
Outershirts and undershirts, negligee shirts, etc. Phillips-Jones Corporation. 377,680; May 7.
Overalls, overall shirts, jackets, etc. Bell Manufacturing Company. 135,198; renewed Sept. 28, 1940.
Overcoats, topcoats, suits, etc. Eagle Clothes. 377,600; May 7; Serial No. 426,689; published Feb. 20, 1940.
Pants, breeches, and jodhpurs, Ranch. I. C. Isaacs & Company Inc. 377,425; May 7; Serial No. 420,006; published July 25, 1939.
Pants, Rubber baby. Milky Way Products Company. 377,593; May 7; Serial No. 426,625; published Feb. 20, 1940.
Robes, Men's. Royal Robes, Inc. 377,453; May 7; Serial No. 422,867; published Feb. 27, 1940.
Shirts and pants, Children's. Sackman Brothers Company. 377,614; May 7; Serial No. 426,785; published Feb. 27, 1940.
Shirts, sports wear, Outer. Barney Brooks Shirt Co. 377,462; May 7; Serial No. 423,520; published Nov. 28, 1939.
Shoes. Curtis-Stephens-Embry Co. 377,682; May 7.
Shoes. Weyenberg Shoe Manufacturing Company. 377,661; May 7.
Shoes. Wohl Shoe Company. 377,676; May 7.
Shoes, Athletic. Wisconsin Shoe Company. 134,851; renewed Sept. 14, 1940.
Suits and overcoats, Men's and youths'. Wm. P. Goodman & Bros. Inc. 131,124; renewed May 4, 1940.
Suits and topcoats. Levy Bros. & Adler Rochester, Incorporated. 377,404; May 7; Serial No. 400,773; published Jan. 24, 1939.
Suits, coats, overcoats, etc., Men's and boys'. Maurice L. Rothschild, Incorporated. 377,584; May 7; Serial No. 426,465; published Feb. 20, 1940.
Suits, topcoats, overcoats, etc. Hearn Department Stores, Inc. 377,660; May 7.
Underwear. Luxite Silk Products Co. 133,729; renewed Aug. 3, 1940.
Underwear, pajamas, nightgowns, etc. Dutchess Underwear Corporation. 377,667; May 7.

CLASS 40

Combs and buttons. American Hard Rubber Company. 131,017–18; renewed May 4, 1940.
Notions. Narrow Fabric Co. 134,750; renewed Sept. 14, 1940.

CLASS 42

Carpets and rugs. M. J. Whittall Associates, Inc. 377,572; May 7; Serial No. 426,387; published Feb. 27, 1940.
Cloths, towels, dusters, etc., Cleaning. Chicopee Manufacturing Corporation. 377,589; May 7; Serial No. 426,556; published Feb. 27, 1940.
Cotton and rayon piece goods. W. E. McKay & Co. 377,562; May 7; Serial No. 426,319; published Feb. 27, 1940.
Cotton piece goods. M. Binkovitz & Sons, Inc. 377,620; May 7; Serial No. 426,853; published Feb. 20, 1940.
Crash goods in the piece and crush goods in short lengths. International Cotton Mills. 131,783; renewed May 25, 1940.
Fabrics in the piece, Textile. National Fabrics Corporation. 377,426; May 7; Serial No. 420,234; published Feb. 20, 1940.
Piece goods. Cohn-Hall-Marx Co. 377,617; May 7; Serial No. 426,830; published Feb. 20, 1940.
Piece goods. Walt Disney Productions. 377,535; May 7; Serial No. 425,955; published Feb. 20, 1940.
Piece goods. Raylaine Worsteds, Inc. 377,630; May 7; Serial No. 427,041; published Feb. 27, 1940.
Pillow cases, sheets, and textile fabrics in the piece. Wolf & Dessauer Co. 377,632; May 7; Serial No. 427,055; published Feb. 27, 1940.
Quilts, pads for beds, cots, etc. C. L. Thomas. 377,577; May 7; Serial No. 426,421; published Feb. 20, 1940.
Rayon piece goods. Custom Undergarment Corporation. 377,497; May 7; Serial No. 425,141; published Feb. 27, 1940.
Rayon piece goods. S. Naitove & Co. 377,486; May 7; Serial No. 424,737; published Feb. 27, 1940.
Sheets and pillow cases, Cotton. J. C. Penney Company. 377,474; May 7; Serial No. 424,139; published Feb. 20, 1940.
Tablecloths, linen napkins, cotton tablecloths, etc., Linen. Herrmann & Jacobs, Inc. 377,636; May 7; Serial No. 427,139; published Feb. 27, 1940.
Towels and wash cloths; line and cotton dish towels and dish cloths, etc., Cotton terry. Gimbel Brothers, Inc. 377,529; May 7; Serial No. 425,855; published Feb. 20, 1940.
Velveteens. Wullschleger & Co. 377,639; May 7; Serial No. 427,154; published Feb. 27, 1940.

CLASS 45

Beverage, and syrup for use in making the same. Vanti Pa-Pi-A Corporation. 377,591; May 7; Serial No. 426,583; published Feb. 20, 1940.
Beverage, Non-alcoholic. Lash's Bitters Co. 134,994; renewed Sept. 21, 1940.
Beverages. Country Club Soda Co. 377,512; May 7; Serial No. 425,610; published Feb. 27, 1940.
Beverages. Zetz 7Up Bottling Company. 377,612; May 7; Serial No. 426,750; published Feb. 20, 1940.
Beverages and syrups and concentrates from which such soft drinks are made. Citrus Products Company. 377,627; May 7; Serial No. 426,972; published Feb. 27, 1940.
Drinks and the syrups and extracts for making the same, Soft. G. B. Edmunds. 377,439; May 7; Serial No. 421,423; published Feb. 27, 1940.
Mixer for Tom Collins. Root Pop Bottling Co. 377,633; May 7; Serial No. 427,087; published Feb. 27, 1940.

CLASS 46

Bread, biscuits, and cakes. W. B. Ward. 126,368; renewed Aug. 19, 1939.
Buckwheat pancake-flour, wheat cereal, etc. Pillsbury Flour Mills Company. 135,302; renewed Sept. 28, 1940.
Canned fruits and canned fruit juices. Hawaiian Pineapple Company. 377,561; May 7; Serial No. 426,298; published Feb. 27, 1940.
Canned sardines. Victor M. Calderon Co. Inc. 377,450; May 7; Serial No. 422,587; published Feb. 27, 1940.
Canned vegetable juices. Barron-Gray Packing Company. 377,599; May 7; Serial No. 426,684; published Feb. 27, 1940.
Cheese. C. Wilson-Sears. 377,406; May 7; Serial No. 402,834; published Feb. 27, 1940.
Cherries, Bottled. Evan W. Hook & Co. 130,319; renewed Apr. 20, 1940.
Crackers or biscuits, Soda. Consolidated Biscuit Company. 377,489–90; May 7; Serial Nos. 424,841–2; published Feb. 27, 1940.
Eggs, Fresh. Alfred Fleischl & Sons. 377,451; May 7; Serial No. 422,667; published Feb. 27, 1940.
Feeds, Stock. D. H. Grandin Milling Co. 377,622; May 7; Serial No. 426,875; published Feb. 27, 1940.
Flour, Wheat. Wm. Fisher. 377,551; May 7; Serial No. 426,129; published Feb. 27, 1940.
Food drink. Enrich Products Co. 377,491; May 7; Serial No. 424,847; published Feb. 27, 1940.
Food, Poultry. Minnesota Farm Bureau Service Company. 377,516; May 7; Serial No. 425,673; published Feb. 27, 1940.
Food product. Galen Company. 377,615; May 7; Serial No. 426,802; published Feb. 27, 1940.
Food, Vitaminic. Chappel Bros., Inc. 377,432; May 7; Serial No. 420,666; published Feb. 27, 1940.

Foods and ingredients of foods. Manhattan Pickle Company. 377,418; May 7; Serial No. 417,380; published Feb. 27, 1940.
Marshmallow crème. L. S. Stoloff. 377,455; May 7; Serial No. 422,916; published Feb. 27, 1940.
Meat, Chopped. H. M. Auerbach. 377,416; May 7; Serial No. 416,281; published Feb. 27, 1940.
Onions. T. Tornatore. 377,438; May 7; Serial No 421,359; published Feb. 27, 1940.
Potato chips, peanut butter sandwiches, and salted peanuts. J. C. Drennon. 377,415; May 7; Serial No 413,300; published Feb. 27, 1940.
Rice. American Rice Growers Cooperative. 377,607, May 7; Serial No. 426,723; published Feb. 27, 1940.
Spices, Jas. H. Forbes Tea and Coffee Company. 377,517; May 7; Serial No. 425,675; published Feb. 27, 1940.
Tea. Silex Company. 377,433; May 7; Serial No. 420,831; published Feb. 27, 1940.
Toast squares. M. F. Rudkin. 377,445; May 7; Serial No. 421,982; published Feb. 27, 1940.

CLASS 49

Rock and rye. Leroux and Company. 377,481; May 7; Serial No. 424,483; published Nov. 28, 1939.

CLASS 50

Leather-board, Manufactured. Herkimer Fibre Company. 130,749; renewed May 4, 1940.
Silk, Oiled. Advance Mfg. Company. 377,479; May 7; Serial No. 424,219; published Feb. 27, 1940.

LIST OF LABELS

Aunt Hattie's Bread. For Bread. W. E. Long Co. 54,694; May 7.
Chase & Sanborn Dated Coffee. For Coffee (Drip Grind). Standard Brands Incorporated. 54,699; May 7.
Chase & Sanborn Dated Coffee. For Coffee (Regular Grind). Standard Brands Incorporated. 54,700; May 7.
Chase & Sanborn "Friendship In a Cup" Coffee. For Coffee (Drip Grind). Standard Brands Incorporated. 54,701; May 7.
Chase & Sanborn "Friendship In a Cup" Coffee. For Coffee (Regular Grind). Standard Brands Incorporated. 54,702; May 7.
Dog Kandy. For a Canine Tidbit Containing Vitamins A, B, D, and G. S. Gelfand. 54,693; May 7.
Holsum Bread. For Bread. W. E. Long Co. 54,695; May 7.
Honey Wheat. For Bread. Schulze Baking Company. 54,698; May 7.
Paul's. For Shoes. Frank C. Meyer Co. Inc. 54,696; May 7.
"Rokeach's Kosher Scouring Powder". For Scouring Powder. I. Rokeach & Sons, Inc. 16,426; renewed May 24, 1940.
The Perfect Cut Out Paper Doll Holder. For Cutout Paper Doll Holders. Creative Toy Company. 54,692; May 7.
Tovar. For Varnish. Tovar Corporation. 54,703; May 7.
Union Town. For Straight Bourbon Whiskey. Pennsylvania Distilling Company. 54,697; May 7.

LIST OF PRINTS

Believe It or Not! Death Wins at Roulette. For Coal. Believe It Or Not, Inc. 17,950; May 7.
Believe It or Not! Miracle of Armentieres. For Coal. Believe It Or Not, Inc. 17,951; May 7.
Believe It or Not! The Man Whose Freedom Hung By a Hair. For Coal. Believe It Or Not, Inc. 17,952; May 7.
Believe It or Not! The $6,000,000 Tooth. For Coal. Believe It Or Not, Inc. 17,953; May 7.
Believe It or Not! The Weird Alpine Death Mystery. For Coal. Believe It Or Not, Inc. 17,954; May 7.
English Breakfast Marmalade Jar. For a Cereal Food. General Mills, Inc. 17,956; May 7.
Marathon Brand. For Seeds and Feeds. Cereal Mills Company. 17,955; May 7.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Allin, George S., Seattle, Wash., assignor, by mesne assignments, to Gar Wood Industries, Inc., Detroit, Mich. Bulldozer. Re. 21,447; May 7.

Claff, C. Lloyd, et al., trustees. (See Waters, Marshall A., assignor.)

Claff, Mary R., et al., trustees. (See Waters, Marshall A., assignor.)

Gates, John Earl, Oakwood, assignor to The National Cash Register Company, Dayton, Ohio. Cash register and accounting machine. Re. 21,442; May 7.

Gilbert, A. C. Company, The. (See Gilbert, A. C., and Lanz, assignors.)

Gilbert, Alfred C., Hamden, and J. Lanz, assignors to The A. C. Gilbert Company, New Haven, Conn. Air impeller. Re. 21,443; May 7.

Lanz, John. (See Gilbert, A. C., and Lanz.)

Mays, Orland C., Kermit, Tex. Apparatus for shooting wells. Re. 21,444; May 7.

National Cash Register Company, The. (See Gates, John E., assignor.)

Niles-Bement-Pond Company. (See Whitehead, A. G., and Raber, assignors.)

Raber, Robert R. (See Whitehead, A. G., and Raber.)

Waters, Marshall A., River Forest, Ill., assignor to M. R. and C. L. Claff, trustees. Box-forming machine. Re. 21,445; May 7.

Whitehead, Alexander G., East Hartford, and R. R. Raber, West Hartford, Conn., assignors, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y. Lathe. Re. 21,446; May 7.

Wood, Gar, Industries, Inc. (See Allin, George S., assignor.)

LIST OF PLANT PATENTEES

Armstrong Nurseries. (See Thomas, George C., Jr., assignor.)

Barnett, Vernon M., administrator, et al. (See McIlvaine, Wrixhem M.)

Bountiful Ridge Nurseries. (See McIlvaine, Wrixhem M., assignor.)

Gardner, Josephine M. T., et al., executor. (See Thomas, George C., Jr.)

Hansen, Charles B., Ontario, Calif. Rose. 389; May 7.

Horvath, Michael M., Mentor, Ohio. Rose. 385; May 7.

Horvath, Michael H., Mentor, Ohio. Rose. 386; May 7.

Horvath, Michael H., Mentor, Ohio. Rose. 387; May 7.

McIlvaine, Ralph M., administrator, et al. (See McIlvaine, Wrixheim, M.)

McIlvaine, Wrixhem M., deceased; by J. R. M. McIlvaine, Magnolia, Del., and V. M. Barnett, Chestertown, administrators, assignors to Bountiful Ridge Nurseries, Princess Anne, Md. Apple tree. 388; May 7.

Morris, Theodore J., Van Nuys, assignor to Western Rose Co., San Fernando, Calif. Rose plant. 394; May 7.

Styer, John F., Concordville, Pa. Chrysanthemum plant. 390; May 7.

Styer, John F., Concordville, Pa. Chrysanthemum plant. 391; May 7.

Styer, John F., Concordville, Pa. Chrysanthemum plant. 392; May 7.

Thomas, George C., Jr., deceased, by J. M. T. Gardner and G. C. Thomas, 3rd, Beverly Hills, executors, assignors to Armstrong Nurseries, Ontario, Calif. Rose. 393; May 7.

Thomas, George C., 3rd, et al., executor. (See Thomas, George C., Jr.)

Western Rose Co. (See Morris, Theodore J., assignor.)

LIST OF DESIGN PATENTEES

Abbott, Lillian, New York, N. Y. Dress. 120,443; May 7.

Alazet, Jean, Perpignan, France. Radio cabinet or similar article. 120,392; May 7.

Appelbaum, Lola, New York, N. Y. Dress. 120,428; May 7.

Arens, Egmont H. (See Geiger, R. C., Meeker, and Arens.)

Babs Creations, Inc. (See Ogden, Bertha H., assignor.)

Bach, Alfons, New York, N. Y. Cabinet or similar article. 120,370; May 7.

Barkin, Aaron, New York, N. Y. Steam atomizer. 120,371; May 7.

Barmon Brothers Company. (See Levey, Sheldon B., assignor.)

Barnhart, George E., Pasadena, Calif. Golf club shaft or the like. 120,332; May 7.

Barnhart, George E., Pasadena, Calif. Golf club shaft or the like. 120,333; May 7.

Barolo, Joseph M., Detroit, Mich. Olive oil decanter. 120,334; May 7.

Bauer Type Foundry, Inc., The. (See Reiner, Imre, assignor.)

Bausch & Lomb Optical Company. (See Flint, Edward F., assignor.)

Bescherer, Palmer, assignor to York Safe and Lock Company, York, Pa. Safe or similar article. 120,335; May 7.

Bescherer, Palmer, assignor to York Safe and Lock Company, York, Pa. Safe or similar article. 120,336; May 7.

Bescherer, Palmer, assignor to York Safe and Lock Company, York, Pa. Safe or similar article. 120,337; May 7.

Boepple, Hans, Valley Cottage, N. Y. Sweater or similar article. 120,416; May 7.

Boepple, Hans, Valley Cottage, N. Y. Knitted blouse or similar article. 120,417; May 7.

Boothby, Walter M., A. H. Bulbulian, and W. R. Lovelace, Rochester, Minn. Nasal mask. 120,372; May 7.

Boothby, Walter M., A. H. Bulbulian, and W. R. Lovelace. Oronasal mask. 120,373; May 7.

Brandes, Arthur, Arcadia, R. A. Quirk, Los Angeles, and R. J. Burke, Beverly Hills, Calif. Combined can carrier and display rack. 120,374; May 7.

Brossman, Walter W. (See Guild, L., and Brossman.)

Brunswick-Balke-Collender Company, The. (See Perrin, Paul C., assignor.)

Bulbulian, Arthur H. (See Boothby, W. M., Bulbulian, and Lovelace.)

Burke, Ralph J. (See Brandes, A., Quirk, and Burke.)

Carlile & Doughty, Inc. (See Doughty, Leon A., assignor.)

Chase Brass & Copper Co. Incorporated. (See Murnane, John A., assignor.)

Chicago Flexible Shaft Company. (See Scharfenberg, George T., assignor.)

Chryst, Theodore L., Birmingham, Mich. Advertising sign. 120,338; May 7.

Clawson, Claire, New York, N. Y. Ascot scarf or similar article. 120,418; May 7.

Cobbs-Hamilton Co. (See Hopkins, Horner H., assignor.)

Cohn & Rosenberger, Inc. (See Katz, Adolph, assignor.)

Cramer, Jesse F. (See Cramer, Roy A. and J. F.)

Cramer, Roy A. and J. F., Kansas City, Mo. Posture chair. 120,375; May 7.

Cutler, Benjamin, Brooklyn, assignor to Irving Stempel & Co., Inc., New York, N. Y. Dress or similar article. 120,400; May 7.

Di Verdura, Fulco, assignor to P. E. Flato, New York, N. Y. Cuff link or similar article. 120,429; May 7.

Doft, Max, Lawrence, N. Y., assignor to Princeton Knitting Mills, Incorporated. Knitted textile fabric or similar article. 120,376; May 7.

Doughty, Leon A., Glenside, Pa., assignor to Carlile & Doughty, Inc. Curb service battery truck. 120,393; May 7.

Downs, Marwood A., assignor to Ontario Manufacturing Company, Muncie, Ind. Spoon or other article of flatware. 120,459; May 7.

Dunberg, David W., New York, N. Y. Combined bar service stand, tray and bottles. 120,430; May 7.

Duncan & Miller Glass Company. (See May, Robert A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Kahn, Julius, assignor.)
Elder, Harry A., Chicago, Ill. Combined duck and rabbit toy. 120,339; May 7.
Elgin, William W., Eugene, Oreg. Hosiery protector. 120,419; May 7.
Elting, August O., Chicago, Ill. Lamp base. 120,401; May 7.
Elting, August O., Chicago, Ill. Arm for lamp fixtures. 120,402; May 7.
Engel, Alice, New York, N. Y. Dress and slip ensemble. 120,444; May 7.
Fairchild, E. E., Corporation. (See Friedrich, Charles F., assignor.)
Feldman, Manuel, New York, N. Y., assignor to J. Gottlieb, Jersey City, N. J. Electrical heating unit for cooking stoves. 120,340; May 7.
Finnegan, George J., New York, N. Y. Textile fabric. 120,377; May 7.
Finnegan, George J., New York, N. Y. Textile fabric. 120,431; May 7.
Finnegan, George J., New York, N. Y. Textile fabric. 120,432; May 7.
Finnegan, George J., New York, N. Y. Textile fabric. 120,433; May 7.
Flato, Paul E. (See Di Verdura, Fulco, assignor.)
Flint, Edward F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Colorimeter. 120,378; May 7.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 120,379; May 7.
French Oil Mill Machinery Company, The. (See Stacy, Thomas F., assignor.)
Friedrich, Charles F., assignor to E. E. Fairchild Corporation, Rochester, N. Y. Box or similar container. 120,460; May 7.
Fuchs, Kay, New York, N. Y. Glove. 120,403; May 7.
Fuerst, Edwin W., assignor to Libbey Glass Company, Toledo, Ohio. Jar. 120,341; May 7.
Fulton Company, The. (See Thorp, Joel R., assignor.)
Geiger, Russell C., D. A. Meeker, Troy, Ohio, and E. H. Arens, New York, N. Y., assignors to The Hobart Manufacturing Company, Troy, Ohio. Food mixing apparatus. 120,342; May 7.
Gold, Ray, New York, N. Y. Textile fabric. 120,434; May 7.
Goodstein, Lawrence, New York, N. Y. Comfortable. 120,435; May 7.
Gordon, Harry, Chicago, Ill. Clock. 120,380; May 7.
Gottlieb, Joseph. (See Feldman, Manuel, assignor.)
Guild Lurelle, Noroton, Conn., and W. W. Brossman, Pittsburgh, assignor to Kensington, Incorporated, New Kensington, Pa. Cigarette box or similar article. 120,404; May 7.
Hamilton, J. T. & A., Company. (See Kihn, Lawrence J., assignor.)
Haon, Marion, New York, N. Y. Dress ensemble. 120,405; May 7.
Haon, Marion, New York, N. Y. Dress ensemble. 120,406; May 7.
Harris, Herbert M., New York, N. Y. Dress. 120,420; May 7.
Hazel-Atlas Glass Company. (See Smith, Frasier, assignor.)
Herzberg, Sidney J., et al. (See Portnoy, Sam J.)
Hobart Manufacturing Company, The. (See Geiger, R. C., Meeker, and Arens.)
Hopkins, Horner H., assignor to Cobbs-Hamilton Co., Des Moines, Iowa. Rack for kitchen utensils or the like. 120,343; May 7.
Howell, Charles A., Winnetka, Ill., assignor to Pharma-Craft Corporation, Louisville, Ky. Jar. 120,421; May 7.
Imperial Glass Corporation. (See Mankki, Onnie, assignor.)
Jacobson, Seymour, New York, N. Y. Dress. 120,445; May 7.
Jones, Burza S., Des Moines, Iowa. Doll. 120,344; May 7.
Jung, Albert H., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 120,461; May 7.
Kahn, Julius, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Combined comb and brush or similar article. 120,345; May 7.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 120,381; May 7.
Kensington, Incorporated. (See Guild, L., and Brossman, assignors.)
Kent, Everett E., et al. (See Neal, John B., assignor.)
Kerr, Charles G., San Anselmo, Calif. Toothbrush. 120,382; May 7.
Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass bottle. 120,422; May 7.
Kloiber, Frank O., et al. (See Portnoy, Sam J., assignor.)
Kramer, Herman, New York, N. Y. Dress. 120,439; May 7.
Kurdistan Rug Corporation. (See Sudell, Frank, assignor.)
Lampl, Walter, New York, N. Y. Pin or the like. 120,436; May 7.
Lampl, Walter, New York, N. Y. Pin or the like. 120,446; May 7.
Lampl, Walter, New York, N. Y. Pin or the like. 120,462; May 7.
Levey, Sheldon B., Eggertsville, assignor to Barmon Brothers Company, Inc., Buffalo, N. Y. Dress. 120,407; May 7.
Levin, David, and J. W. McGee, New York, N. Y. Shoe or similar article. 120,394; May 7.
Lewis, Florence N., New York, N. Y. Handbag. 120,346; May 7.
Libbey Glass Company. (See Fuerst, Edwin W., assignor.)
Loewy, Raymond, New York, N. Y. Air cooling and dehumidifying unit. 120,383; May 7.
Lovelace, William R. (See Boothby, W. M., Bulbulian, and Lovelace.)
Ludwig, Louis, Brooklyn, N. Y. Electrical connecting cap. 120,463; May 7.
Lubin, Henry G. (See Vivaudou, J. E., and Lubin.)
Lufkin Rule Company, The. (See Witchger, Eugene J., assignor.)
Mancik, William, New York, N. Y., and G. H. Quennard, Morristown, N. J. Rubber overshoe. 120,384; May 7.
Mankki, Onnie, Cleveland, assignor to Imperial Glass Corporation, Bellaire, Ohio. Candlestick or similar article. 120,408; May 7.
Martin, Herman H., assignor to H. H. Martin Products Corporation, Toledo, Ohio. Adapter for a container closure. 120,464; May 7.
Martin, H. H., Products Corporation. (See Martin, Herman H., assignor.)
Mason, Ruth W., Passaic, N. J. Vanity case. 120,347; May 7.
May, Robert A., assignor to Duncan & Miller Glass Company, Washington, Pa. Bowl or similar article. 120,348; May 7.
May, Robert A., assignor to Duncan & Miller Glass Company, Washington, Pa. Plate or similar article. 120,349; May 7.
McAdams, Frederick H., et al. (See Neal, John B., assignor.)
McGee, Joseph W. (See Levin, D., and McGee.)
McMullen, Carlton L., West Hartford, Conn. Annunciator chime. 120,423; May 7.
McMullen, Carlton L., West Hartford, Conn. Annunciator chime. 120,424; May 7.
Meeker, David A. (See Geiger, R. C., Meeker, and Arens.)
Monahan, Thomas G., Cuyahoga Falls, Ohio. Spark plug gauge. 120,351; May 7.
Moore, Fayette, Cedar Rapids, Iowa. Bird feeder. 120,350; May 7.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Battery tank or similar article. 120,395; May 7.
Murnane, John A., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Pump body. 120,385; May 7.
Myers, Eugene V., East Orange, N. J. Ashtray. 120,409; May 7.
Neal, John B., Allston, assignor of thirty-seven and one-half per cent to F. H. McAdams, Revere, and twenty-five per cent to E. E. Kent, Newton, Mass. Milk bottle. 120,425; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,437; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,438; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,440; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,441; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,442; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,447; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,465; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,466; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,467; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,468; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,469; May 7.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,470; May 7.
North, Jack, Cincinnati, Ohio. Maternity dress. 120,410; May 7.
Oberdick, Ervin O., Cleveland, Ohio. Ring or similar article. 120,352; May 7.
Ogden, Bertha H., assignor to Babs Creations, Inc., New York, N. Y. Perfume bottle or the like. 120,426; May 7.
Ogden, Bertha H., assignor to Babs Creations, Inc., New York, N. Y. Container for perfume or the like. 120,471; May 7.
Olsson, Ernst, Brooklyn, N. Y. Automobile radiator cap. 120,396; May 7.
Ontario Manufacturing Company. (See Downs, Marwood A., assignor.)
Osterhoudt, Rodney B., Kingston, N. Y. Cap for a collapsible tube. 120,353; May 7.
Pardey, William A., Portland, and L. Stipp, Oregon City, Oreg. Electric ozonizer. 120,386; May 7.

Perrin, Paul C., Pittsburgh, Pa., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard table. 120,354; May 7.
Pharma-Craft Corporation. (See Howell, Charles A., assignor.)
Philippe, Alfred, New York, N. Y. Pin clip. 120,448; May 7.
Philippe, Alfred, New York, N. Y. Pin clip. 120,449; May 7.
Philippe, Alfred, New York, N. Y. Pin clip. 120,450; May 7.
Portnoy, Sam J., assignor of one-fourth to F. O. Kloiber and one-fourth to S. J. Herzberg, Milwaukee, Wis. Finger ring. 120,355; May 7.
Price, David W., New York, N. Y. Dress. 120,411; May 7.
Princeton Knitting Mills, Incorporated. (See Doft, Max, assignor.)
Quennard, George H. (See Mancik, W., and Quennard.)
Quirk, Ralph A. (See Brandes, A., Quirk, and Burke.)
Rechlin, Gustav A., Chicago, Ill. Container cap. 120,451; May 7.
Reiner, Imre, Lagano, Switzerland, assignor to The Bauer Type Foundry, Inc., New York, N. Y. Printing type font. 120,356; May 7.
Rittenhouse, A. E., Co., The. (See Rittenhouse, Lloyd, assignor.)
Rittenhouse, Lloyd, assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Signal device. 120,472; May 7.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonograph cabinet. 120,397; May 7.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonograph cabinet. 120,398; May 7.
Rock-Ola Manufacturing Corporation. (See Rockola, David C., assignor.)
Rodriguez, José, New York, N. Y. Brooch or similar article. 120,452; May 7.
Rodriguez, José, New York, N. Y. Brooch or similar article. 120,453; May 7.
Rodriguez, José, New York, N. Y. Brooch or similar article. 120,454; May 7.
Rohrbach, John J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Spectacle front. 120,357; May 7.
Rosen, Arthur, Roxbury, Mass. Redingote. 120,427; May 7.
Rubin, Nat, New York, N. Y. Dress. 120,412; May 7.
Ruchman, Albert, New York, N. Y. Dress ensemble. 120,413; May 7.
Samson-United Corporation. (See Samuels, Abe O., assignor.)
Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Electric heater. 120,387; May 7.
Scharfenberg, George T., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Food mixer. 120,358; May 7.
Scharfenberg, George T., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Control knob for food mixer or the like. 120,359; May 7.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Seeley, Hannah M., San Diego, Calif. Combined suspenders and leggings. 120,414; May 7.
Shuron Optical Company. (See Rohrbach, John J., assignor.)
Slazinik, Joseph, and A. Zavicar, New York, N. Y. Toilet shelf. 120,388; May 7.
Smith, Frasier, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Jar. 120,473; May 7.
Sobel, Harry, Los Angeles, Calif. Shoe. 120,399; May 7.
Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Press unit front. 120,360; May 7.
Steffen, William, Hackensack, N. J. Textile fabric or similar article. 120,389; May 7.
Stempel, Irving, & Co. (See Cutler, Benjamin, assignor.)
Stipp, Livy. (See Pardey, W. A., and Stipp.)
Sudell, Frank, Roxborough, assignor to Kurdistan Rug Corporation, Philadelphia, Pa. Bath mat. 120,361; May 7.
Sudell, Frank, Roxborough, assignor to Kurdistan Rug Corporation, Philadelphia, Pa. Bath mat. 120,362; May 7.
Sudell, Frank, Roxborough, assignor to Kurdistan Rug Corporation, Philadelphia, Pa. Bath mat. 120,363; May 7.
Sudell, Frank, Roxborough, assignor to Kurdistan Rug Corporation, Philadelphia, Pa. Bath mat. 120,364; May 7.
Sudell, Frank, Roxborough, assignor to Kurdistan Rug Corporation, Philadelphia, Pa. Bath mat. 120,365; May 7.
Sudell, Frank, Roxborough, assignor to J. Harris Warthman, Trustee for La France Industries, Philadelphia, Pa. Textile fabric. 120,455; May 7.
Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Safety latch for automobile doors. 120,366; May 7.
Trubl-Fre Automobile Service Co. (See Wells, Samuel R., assignor.)
Victor Metal Products Corporation. (See Jung, Albert H., assignor.)
Vivaudou, Jean E., and H. G. Lubin, New York, N. Y. Combined perfume bottle, sachet balls, and container therefor. 120,415; May 7.
Wallar, John A., Beverly Hills, Calif. Culinary cutting blade. 120,390; May 7.
Warren, James W., Los Angeles, Calif. Holder for crackers and cheese. 120,391; May 7.
Warthman, J. Harris, trustee for La France Industries. (See Sudell, Frank, assignor.)
Wells, Samuel R., assignor to Trubl-Fre Automobile Service Co., Kansas City, Mo. Identification emblem. 120,307; May 7.
Welling, William M., New York, N. Y. Combined watch and bracelet or similar article. 120,368; May 7.
Witchger, Eugene J., assiguor to The Lufkin Rule Company, Saginaw, Mich. Case for tape measures. 120,369; May 7.
Wuyts, Joseph, New York, N. Y. Pin clip. 120,456; May 7.
Wuyts, Joseph, New York, N. Y. Pin clip. 120,457; May 7.
Wuyts, Joseph, New York, N. Y. Pin clip. 120,458; May 7.
Wuyts, Joseph, New York, N Y. Pin clip. 120,474; May 7.
Wuyts, Joseph, New York, N. Y. Pin clip. 120,475; May 7.
York Safe and Lock Company. (See Bescherer, Palmer, assignor.)
Zavicar, Andrew. (See Slazinik, J., and Zavicar.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abel, Carl, et al. (See Shannon, Charles R., assignor.)
Ace Carton Corporation. (See Berg, Edward C., assignor.)
Ackley, Thomas, Philadelphia, Pa., assignor to Radio Corporation of America. Condenser winding machine. 2,199,603; May 7.
Aktiebolaget Svenska Kullagerfabriken. (See Törnebohm, Torsten G., assignor.)
Alburger, James R., Merion Pa., assignor to Radio Corporation of America. Photograph. 2,199,902; May 7.
Alburger, James R., Merion Pa., assignor to Radio Corporation of America. Photographic development. 2,199,903; May 7.
Alburger, James R., Merion Pa., assignor to Radio Corporation of America. Photographic developer. 2,199,904; May 7.
Alexandrescu, Alexander M., Cleveland, Ohio, Piston construction. 2,200,015; May 7.
Allan, George W., and A. H. Simpson, assignors to Intertype Corporation, Brooklyn, N. Y. Typographical composing machine. 2,199,772; May 7.
Allen, George M., Swarthmore, H. J. McDermott, Prospect Park, and J. W. Pedlow, Chester, assignors to American Viscose Corporation, Marcus Hook, Pa. Method and apparatus for liquid treatment of rayon. 2,200,197; May 7.
Allen, Horace C., Marlton, and G. L. Grundmann, Westmont, N. J., assignors to Radio Corporation of America. High frequency amplifier. 2,199,604; May 7.
Allison, Percy R. (See Cobham, A. J., Johnson, and Allison.)
Alterthum, Hans, and M. Pirani, Berlin-Wilmersdorf, Germany, assignors to General Electric Company. Gaseous electric discharge lamp devices. 2,199,866; May 7.
Althoff, Lawrence A., Chicago, Ill. Cover mechanism. 2,200,016; May 7.
American Cyanamid Company. (See Durant, Walter W., assignor.)
American Cyanamid Company. (See Light, Donald W., assignor.)
American Forging and Socket Company, The. (See Saunders, Walter S., assignor.)
American Fork & Hoe Company, The. (See Wright, Carl, assignor.)
American Locomotive Company. (See Reid, Charles L., assignor.)
American Machine & Foundry Company. (See Shackleton, Jack, assignor.)
American Maize-Products Company. (See Morgan, Willard L., assignor.)
American Seating Company. (See Boogaard, J. V., and Merrill, assignors.)
American Smelting and Refining Company. (See Robbins, Max, assignor.)
American Viscose Corporation. (See Allen, G. M., McDermott, and Pedlow, assignors.)
American Well & Prospecting Company. (See Anderson, Carl M., assignor.)
American Wringer Company. (See Keltie, George R., assignor.)
Anchor Cap & Closure Corporation. (See Gibbs, John C., assignor.)
Andale Company. (See McNeal, Daniel R., assignor.)
Andersen, Herbert H., Beverly, Mass., assignor to General Electric Company. Time switch. 2,200,110; May 7.
Anderson, Anton, Chicago, Ill. Lawn sprinkler. 2,200,017; May 7.
Anderson, Carl M., Corsicana, Tex., assignor to American Well & Prospecting Company. Reverse clutch. 2,199,582; May 7.
Anderson, John P., Crafton, assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Dump car. 2,199,554; May 7.
Andler, Robert F., Rutherford, N. J., and G. R. Koeln, Atlanta, Ga., assignors to Electrol Incorporated, Clifton, N. J. Preheating oil for oil burners. 2,199,454; May 7.
Andre, Armand J. (See French, J. W., Andre, and Teachout.)
Andrews, Edward F., Chicago, Ill. Radio receiver. 2,199,555; May 7.
Anemostat Corporation of America. (See Kurth, Franz J., assignor.)
Antonson, Arvid T., Detroit, Mich. Stopper for thermos bottles. 2,199,732; May 7.
Archer, Arthur A., Pittsburgh, and R. E. Zimmerman, Midway, assignors to Pittsburgh Coal Carbonization Company, Pittsburgh, Pa. Cooling low temperature coke. 2,199,945; May 7.
Armand, Joseph, Paris, France. Machine for sharpening the points of twist drills or the like. 2,199,773; May 7.
Armstrong, George C., Wilkinsburg, and D. Ellis, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical contactor. 2,200,070; May 7.
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reciprocating hydraulic motor. 2,200,071; May 7.
Arras, George, Chicago, Ill. Electric fixture. 2,199,905; May 7.
Askania-Werke A. G. (See von Manteuffel, Gert Z., assignor.)
Associated Electric Laboratories, Inc. (See Bakker, Pier, assignor.)
Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)
Associated Electric Laboratories, Inc. (See Ostline, John E., assignor.)
Athy, Clifford R., assignor to International-Stacey Corporation, Columbus, Ohio. Emergency control apparatus for well pumping and drilling mechanism. 2,199,583; May 7.
Atkinson, Henry T., Oakland, Calif. Power transmitting apparatus. 2,199,867; May 7.
Aubero, John R., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Control device and system. 2,200,235;
Aurand, Ethel M. (See Aurand, Frank E., Jr., assignor.)
Aurand, Frank E., Jr., Cincinnati, Ohio, assignor to E. M. Aurand, Oak Park, Ill. Cutting tool. 2,199,383; May 7.
Austin, Bascum O., Wilkinsburg, and G. L. Moses, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,200,072; May 7.
Auto Union Aktiengesellschaft. (See Siebler, O., and Boxan, assignors.)
Automatic Signal Corporation. (See Paul, Joseph N., assignor.)
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Auwärter, Max, and K. Ruthardt, assignors to W. C. Heraeus G. m. b. H., Hanau-on-the-Main, Germany. Alloy. 2,200,050; May 7.
Ayers, Fred L., Watertown, Mass., assignor to Brown Company, Berlin, N. H. Manufacture of thick-soled or platform shoes. 2,199,868; May 7.
Ayers, Ray C., Hutchinson, Kans. Beer cooler. 2,199,718; May 7.
Azbe, Victor J., Webster Groves, Mo. Calcining apparatus. 2,199,384; May 7.
American Locomotive Company. (See Weber, Theodore R., assignor.)
Anderson, Evald, San Marino, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitation. 2,199,390; May 7.
Ayres, Derek E. R., A. Batley, and E. B. Knott, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Antihalation and filter layers for photographic film. 2,199,978; May 7.
Babcock & Wilcox Company, The. (See Cassidy, Perry R., assignor.)
Badertscher, Dana K., assignor to Hudson Motor Car Company, Detroit, Mich. Lubricating internal combustion engines. 2,200,051; May 7.
Baer, Herman, et al. (See Edwards, Judson T. and C., assignors.)
Bailey Meter Company. (See Woolley, Rew E., assignor.)
Baird Television Limited. (See Nuttall, Thomas C., assignor.)
Bakelite Corporation. (See Weith, George S., assignor.)
Baker, Hugh J., deceased: V. F. Baker, administratrix, assignor to Hugh J. Baker & Company, Indianapolis, Ind. Shore. 2,199,605; May 7.
Baker, Hugh J., & Company. (See Baker, Hugh J., assignor.)
Baker, Judd O., Westmont, N. J., assignor to Radio Corporation of America. Sound record. 2,199,606; May 7.
Baker, Paul G., and J. H. Watts, North Judson, Ind. Article for babies. 2,199,869; May 7.
Baker, Velma F., administratrix. (See Baker, Hugh J.)
Bakken, Andrew H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,199,607; May 7.
Bakker, Pier, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,199,534; May 7.
Baldwin, Bernard. (See Matlock, C. C., and Baldwin.)

Bancroft Holdings Limited. (See Johns, Henry S., assignor.)
Bar Master, Inc. (See Hutsell, Thomas A., assignor.)
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary web printing press. 2,199,812; May 7.
Bard, Elmer H., assignor to Geerpres Wringer, Inc., Muskegon, Mich. Wringer. 2,199,906; May 7.
Barnhart, Vern A., Chester, N. J. Building unit. 2,199,946; May 7.
Barr, John L., Chevy Chase, Md. Weight relieving device. 2,199,870; May 7.
Barrett, Charles D., and C. R. Whitehead, Altoona, Pa. Springing for railway trucks. 2,199,907; May 7.
Barrett, Harold J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dehydrohalogenation of alpha-chlorisobutyric esters with zinc and zinc halides. 2,199,774; May 7.
Barry-Wehmiller Machinery Company. (See Herold, J. L., and Wehmiller, assignors.)
Barthelemy, René, Fontenay, aux Roses, assignor to Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz, Seine, France. Electronic television transmitter. 2,199,608; May 7.
Barton, Paul D., Chester County, assignor to Sun Oil Company, Philadelphia, Pa. Recovering spent filter clay. 2,200,145; May 7.
Bass, Shailer L., assignor to The Dow Chemical Company, Midland, Mich. Composition of matter. 2,199,385; May 7.
Bass, Shailer L., and E. L. Kropscott, assignors to The Dow Chemical Company, Midland, Mich. Granular article containing cellulose ethers and shellac. 2,199,386; May 7.
Bassett, Rex E., Jr., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Sequential controller. 2,199,775; May 7.
Batley, Alan. (See Ayres, D. E. R., Batley, and Knott.)
Baughn, Earl E. (See Wilson, L. E., and Baughn.)
Baumann, Fritz, and H.-W. Schwechten, Leverkusen, and A. Krause and R. Zell, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Aminoanthraquinones. 2,199,813; May 7.
Beach, Edward J., Brooklyn, assignor to Beach-Russ Company, New York, N. Y. Vacuum pump. 2,200,198; May 7.
Beach-Russ Company. (See Beach, Edward J., assignor.)
Beattie, Horace S. (See Fuller, F. L., and Beattie.)
Beaver, David J., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing rubber. 2,199,979; May 7.
Becherer, Fritz, Riehen, near Basel, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Water-soluble condensation product and its manufacture. 2,199,776; May 7.
Beckman, Fred G., Muskogee, Okla. Combination rotary table and pack-off head. 2,199,733; May 7.
Beckman, Fred G., Muskogee, Okla. Portable rotary table. 2,199,734; May 7.
Beckman, Fred G., Muskogee, Okla. Packing gland. 2,199,735; May 7.
Beckwith, George R., Brady Lake, and C. H. Propper, assignors to The C. L. Gougler Machine Company, Kent, Ohio. Apparatus for treating coiled strip material. 2,199,736; May 7.
Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Electrical transmission system. 2,200,073; May 7.
Behee, Joseph H., assignor of one-half to R. Johnson, Independence, Mo. Preparing stone for treatment by sandblasting. 2,199,980; May 7.
Behr-Manning Corporation. (See Oglesby, Nicholas E., assignor.)
Beiderbecke, Charles H., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,199,535; May 7.
Bell, Alfred B., assignor to Heywood-Wakefield Company, Gardner, Mass. Wall cabinet table. 2,199,981; May 7.
Bell Punch Company. (See Ruedels, George D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burton, E. T., and Curtis, assignors.)
Bell Telephone Laboratories, Incorporated. (See Coyne, Howard L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cummings, George C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dawson, Wilfred L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gannett, Danforth K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kinkead, Fullerton S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bellingham Iron Works, Inc. (See Velie, Odell, assignor.)
Beloit Iron Works. (See Berry, Earl E., assignor.)
Bemis, Kenneth E., Oakland, Calif. Cooking meats. 2,199,584; May 7.
Bendix Aviation Corporation. (See MacBlane, James, assignor.)
Bendix Aviation Corporation. (See McGrath, W. L., and Whitney, assignors.)
Bendix Home Appliances, Inc. (See Bassett, Rex E., Jr., assignor.)
Bendix Home Appliances, Inc. (See Haberstump, Alfred H., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Sanford, Roy S., assignor.)
Bennett Incorporated. (See Strovink, Florian, assignor.)
Bennett, Joseph H., Worcester, Mass. Net for basketball goal. 2,199,609; May 7.
Benofsky, Richard W., Oakland, and H. H. Daniels, Alameda, Calif. Dispensing nozzle. 2,199,947; May 7.
Bensel Corporation. (See Bensel, Duryea, assignor.)
Bensel, Duryea, assignor to Bensel Corporation, New York, N. Y. Dispensing paper package. 2,200,111; May 7.
Benton, Harold Z., Glencoe, assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill. Cam lock. 2,200,211; May 7.
Berg, Edward C., Chicago, Ill., assignor to Ace Carton Corporation. Carton. 2,199,476; May 7.
Bernstein, Jacob, Omaha, Nebr. Tank mounting. 2,199,737; May 7.
Bergstein, Samuel, Cincinnati, Ohio. Making infolded knockdown. 2,200,238; May 7.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Suction roll. 2,199,455; May 7.
Berry, Reni S., assignor to S. J. Levy, Los Angeles, Calif. Match book cover. 2,199,610; May 7.
Bertrand, Jean P., Paris, France. Polychrome photography. 2,200,018; May 7.
Besag, Ernst, Baden-Baden, Germany. Releasing device for electric switches. 2,199,477; May 7.
Besse, Alden, et al. (See Hammick, Walter, assignor.)
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,199,517; May 7.
Betz, William, Elizabeth, N. J. Stamp holder. 2,199,456; May 7.
Beyland, Sidney A., King George, Va., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Combined telephone and communicating key box. 2,199,686; May 7.
Biach, John L., and H. A. Wilcox, New Haven, assignors to The Engineering and Research Corporation, East Norwalk, Conn. Traffic control system. 2,199,571; May 7.
Bichowsky, Francis R., Ann Arbor, Mich., assignor to General Motors Corporation, Dayton, Ohio. Air conditioning. 2,199,967; May 7.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse switch. 2,199,908; May 7.
Birkigt, Marc, Bois-Colombes, France. Automatic firearm. 2,199,871; May 7.
Birkigt, Marc, Bois-Colombes, France. Automatic firearm. 2,199,872; May 7.
Black, Crayton K. (See Lubs, H. A., and Black.)
Blackhawk Mfg. Co. (See Mandl, Sigmund, assignor.)
Blanchard, Alva G., Shreveport, La. Valve operating structure. 2,199,611; May 7.
Blankenship, Edward W., Chattanooga, Tenn. Combination cooking vessel. 2,199,687; May 7.
Blaut, Samuel J., Mount Vernon, N. Y. Gold refining. 2,199,391; May 7.
Block, Clara, New York, N. Y. Notebook. 2,200,146; May 7.
Boehne, John O., Washington, N. J. Hand guard. 2,200,019; May 7.
Bogdan, Mihai, Ploesti, Rumania, assignor to Shell Development Company, San Francisco, Calif. Stabilizing organic heavy metal salts. 2,199,828; May 7.
Bogdan, Mihai, Ploesti, Rumania, assignor to Shell Development Company, San Francisco, Calif. Stabilizing organic heavy metal salts. 2,199,829; May 7.
Bohmer, Henry, Jr., Riverton, and S. S. Lippincott, Palmyra, assignors to "Flexitallic" Gasket Company, Camden, N. J. Gasket. 2,200,212; May 7.
Boldt, William C., Waukesha County, Wis. Sprocket wheel. 2,199,688; May 7.
Bolesky, John D., assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostatic switch. 2,199,387; May 7.
Bolesky, John D., assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostatic device. 2,199,388; May 7.
Bolles, Mervin E., Oil City, Pa. Oil well rig. 2,199,873; May 7.
Bone, William A. and D. M. Newitt, South Kensington, London, England, assignors to Imperial Chemical Industries Limited. Production of oxygenated organic compounds. 2,199,585; May 7.
Bonglovanni, John. (See De Sipio, A. T., Bonglovanni, and Ricci.)
Boogaard, John V., and R. K. Merrill, assignors to American Seating Company, Grand Rapids, Mich. Chair end standard. 2,199,689; May 7.
Booty, Kelvin H., assignor to Sears, Roebuck and Co., Chicago, Ill. Bicycle. 2,199,536; May 7.
Borden, Stephen W., Summit, N. J. Tracer current detector. 2,199,846; May 7.
Borg-Warner Corporation. (See Swennes, Benjamin A., assignor.)

Borman, Philip K. (See Stoddard, E. S., and Borman.)
Born, Ernest R., Cavalier, N. D. Bridge for stringed instruments. 2,199,612; May 7.
Bosworth, Arthur H., et al. (See Long, R. G., and French, assignors.)
Bouges, Holfort E., New York, N. Y. Purse. 2,200,147; May 7.
Bourjois, Inc. (See Holt, Chandler, assignor.)
Bouton, Edgar M., Nutley, assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Elevator door operating system. 2,200,074; May 7.
Bowan, Walter J. (See Mueller, F. H., Bowan, and Fawley.)
Bowersox, Joseph W., Glen Ellyn, Ill. Couch. 2,200,052; May 7.
Bowles, William V., assignor of twenty-five per cent to T. S. Park, Houston, Tex. Tool joint for drill stems. 2,199,738; May 7.
Bowser, Clarence D., assignor to International-Stacey Corporation, Columbus, Ohio. Panel for building construction. 2,199,586; May 7.
Bowser, S. F., & Company. (See Carroll, William M., assignor.)
Boxan, Walter. (See Seibler, O., and Boxan.)
Brace, Kemper P., South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill. Liquid fuel burner. 2,199,777; May 7.
Bradfute, Blaine W., Jr., Bloomington, Ind. Internal combustion engine. 2,200,199; May 7.
Brand, Erick. (See Bundy, G. M., and Brand.)
Brand, Robert A., Charlotte, N. C. Trash and water eliminator. 2,199,874; May 7.
Braselton, Chester H. (See Brockway, Harry M., assignor.)
Bresch, Albert L., University City, Mo. Lock-actuating structure. 2,199,613; May 7.
Briggs, Orville B., Perrysburg, and Albert L. Lamb, assignors to Safety Belt Lacer Company, Toledo, Ohio. Belt lacer. 2,199,932; May 7.
Bright, Bernard K., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Extraction of fatty acids. 2,199,983; May 7.
Bright, Arthur W., and J. H. Zeigler, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Starting and balancing azeotropic distillation systems. 2,199,982; May 7.
Britton, Edgar C., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Nitro-salicylidene compounds. 2,199,389; May 7.
Brockway, Harry M., Waldwick, N. J., assignor of one-fourth to C. H. Braselton, New York, N. Y. Musical instrument. 2,199,948; May 7.
Brogden, Maxcy L., Columbia, S. C. Heating stove. 2,199,875; May 7.
Brogdex Company. (See Cunning, Thomas G., assignor.)
Brogdex Company. (See Skinner, Bronson C., assignor.)
Bröker, Walter, Offenbach-on-the-Main, Germany, assignor to General Aniline & Film Corporation. Azo dyestuffs insoluble in water and fiber dyed therewith. 2,199,814; May 7.
Brooks, Lew W., Knoxville, Tenn. Loading, having, and dumping apparatus. 2,200,020; May 7.
Brothers, James T., New Bern, N. C. Game. 2,199,719; May 7.
Brown & Bigelow. (See Seel, J. L., and Mueller, assignors.)
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Warp stop mechanism. 2,200,148; May 7.
Brown, Charles H., New York, N. Y. Foot measuring apparatus. 2,200,223; May 7.
Brown, Claude P., and F. H. Wilson, Philadelphia, Pa. Counting chamber. 2,200,053; May 7.
Brown Company. (See Ayers, Fred L., assignor.)
Brown, William O., Los Angeles, Calif. Juice extracting machine. 2,199,876; May 7.
Brownstein, Louis, assignor to I. Gerber, Brooklyn, N. Y. Glove pressing machine. 2,199,778; May 7.
Brownstein, Louis, Brooklyn, assignor to Liebig Products Co., Inc., New York, N. Y. Bouillon cube machine. 2,200,224; May 7.
Bruzaud, Lexander, New York, N. Y. Shower head. 2,199,478; May 7.
Bryce, James W., Glen Ridge, N. J., and A. H. Dickinson, Bronxville, assignors to International Business Machines Corporation, New York, N. Y. Multiplying machine. 2,199,656; May 7.
Bryson, Tandy A., Troy, N. Y. Centrifugal mechanism. 2,199,847; May 7.
Bryson, Tandy A., Troy, N. Y. Centrifugal mechanism. 2,199,848; May 7.
Bryson, Tandy A., Troy, N. Y. Multiple drum centrifugal. 2,199,849; May 7.
Buchet, Conrad R., assignor of one-half to T. E. Herlihy, Los Angeles, Calif., and one-half to A. W. McDonald. Refrigeration apparatus. 2,199,779; May 7.
Buck, Ralph, De Graff, Ohio. Hog trough. 2,199,587; May 7.
Buell, Leslie A., Holly, Mich. Seal. 2,200,149; May 7.
Buffalo Electro-Chemical Company. (See Kauffmann, Hans O., assignor.)
Bullard, E. D., Company. (See Bullard, Edward W., assignor.)
Bullard, Edward W., assignor to E. D. Bullard Company, San Francisco, Calif. Mask. 2,199,690; May 7.
Bunch, Ray, Los Angeles, Calif. Dispensing package. 2,199,657; May 7.
Bundy, George M., Whitestone, N. Y., and E. Brand, assignors to H. & A. Selmer, Inc., Elkhart, Ind. Ligature for reed instruments. 2,200,054; May 7.
Bungay, George W., assignor to Electrographic Corporation, New York, N. Y. Preparation of type for superimposed printing. 2,199,614; May 7.
Burch, Warren, West Palm Beach, Fla. Clipper blade. 2,200,150; May 7.
Burdett, Horace H., Milford, assignor to Draper Corporation, Hopedale, Mass. Shuttle. 2,200,213; May 7.
Burke, James P., Knoxville, Tenn., assignor of one-half to F. L. McLaughlin, Detroit, Mich. Fuel injection head. 2,199,739; May 7.
Burkhardt, Otto M., assignor to Thompson Products, Inc., Cleveland, Ohio. Seal construction. 2,200,151; May 7.
Burkhardt, Otto M., assignor to Thompson Products, Inc., Cleveland, Ohio. Mechanical clearance regulator. 2,200,152; May 7.
Burnett, Carlos E., East Orange, N. J., assignor to Radio Corporation of America. High impedance attenuator. 2,200,055; May 7.
Burton, Everett T., Millburn, and A. M. Curtis, South Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Nonsparking electromagnetic signaling and switching device. 2,199,909; May 7.
Bush, Earl, Fern, Wis. Differential. 2,200,153; May 7.
Butterfield, Wendell. (See Lane, G. T., and Butterfield.)
Buttermann, Garry G., Louisville, Ky. Tappet-lock for cone boxes in a cone-baking machine. 2,200,056; May 7.
Cadet, Louis J. A., Le Vesinet, assignor to Société Anonyme dite: Société d'Etude de Distributeurs Automatiques S. E. D. A., Paris (Seine), France. Device for measuring liquids. 2,200,154; May 7.
Caladon Corporation. (See Patrignani, Leonida, assignor.)
Caldwell, Walter T., assignor to The George E. Failing Supply Company, Enid, Okla. Hydraulic power drilling rig. 2,200,075; May 7.
Camoe Curtains, Inc. (See Rosenberg, Bernard, assignor.)
Cameron Machine Company. (See Johnstone, Robert McC., assignor.)
Camp, Thomas P., Glen Ellyn, and J. Page, Evanston, assignors to United States Gypsum Company, Chicago, Ill. Manufacture of wallboard having a cementitious core. 2,200,155; May 7.
Campbell, Charles, London, England, assignor to International Business Machines Corporation, New York, N. Y. Multiplying machine. 2,199,537; May 7.
Cappel, Jack T., Alexandria, La. Anesthesia pillow. 2,199,479; May 7.
Carnegie-Illinois Steel Corporation. (See Wells, J. H., and Wilson, assignors.)
Carney, Clifford R., Detroit, Mich. Ice tray. 2,199,740; May 7.
Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Paper feeding device. 2,199,556; May 7.
Carroll, William M., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Liquid dispensing apparatus. 2,199,480; May 7.
Carter, Albert S., and F. W. Johnson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and new catalysts therefor. 2,200,057; May 7.
Carter, Bernard M., Montclair, N. J., assignor to General Chemical Company, New York, N. Y. Sulphuric acid recovery. 2,199,691; May 7.
Carter Carburetor Corporation. (See Curry, Las S., assignor.)
Carter, De Vere V., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Engine cooling system. 2,200,214; May 7.
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyromagnetic compass. 2,199,850; May 7.
Case, J. I., Company. (See Heth, S. C., and Tallman, assignors.)
Casper, Benjamin A., Minneapolis, Minn. Floor abrading machine. 2,199,615; May 7.
Cassidy, Perry R., Short Hills, assignor to The Babcock & Wilcox Company, Newark, N. J. Heat exchanger. 2,200,156; May 7.
Catelin, Louise R., New York, N. Y. Cosmetic applicator. 2,199,720; May 7.
Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Demountable blade bit. 2,199,692; May 7.
Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Well reamer. 2,199,693; May 7.
Caughey, John M. (See Greene, D. A., and Caughey.)
Celanese Corporation of America. (See Finlayson, D., and Levers, assignors.)
Celanese Corporation of America. (See Long, C. J., Johnson, and Swindells, assignors.)
Cervera, Jose, Buenos Aires, Argentina. Receptacle for tooth paste. 2,199,877; May 7.
Champion Corporation. (See Knoerzer, Otto, assignor.)
Chandler, M. E. (See Olson, Elmer, assignor.)
Chappell, Eugene L., Pittsburgh, Pa. Tank support. 2,199,481; May 7.

Charlton, William, R. Hill, E. E. Walker, and R. B. Waters, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of pigmented coating compositions. 2,199,557; May 7.
Chase, Philip H., Bala Cynwyd, Pa. Electric protective system. 2,199,658; May 7.
Cheatham Electric Switching Device Co. (See Stolp, Samuel S., assignor.)
Chicago Pump Company. (See Durdin, Augustus C., Jr., assignor.)
Chott, Edward L., Chicago, Ill. Articulator. 2,200,058; May 7.
Christensen, Niels A., South Euclid, Ohio. Air compressor. 2,199,482; May 7.
Christlein, Willy, Nuremberg, Germany. Hydraulic transmission gear. 2,200,157; May 7.
Chur, Charles H., assignor to The Keystone Mfg. Co., Buffalo, N. Y. Wrench set holder. 2,199,984; May 7.
Churchill, David C., Berea, Ky. Creel. 2,199,616; May 7.
Chwala, August, Vienna, and E. Waldmann, Klosterneuburg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Imidazolines containing sulphuric acid radicals and preparing them. 2,199,780; May 7.
Cincinnati Grinders Incorporated. (See Haas, Frederick S., assignor.)
Cincinnati Milling Machine Company, The. (See Martellotti, Mario E., assignor.)
Clark, Earl K. (See Lee, P. R., and Clark.)
Clark, Ivan F., Ionia, Mich. Folding bed. 2,199,741; May 7.
Clark, James W., Bristol, Pa. Elk clock. 2,200,021; May 7.
Clarke, Frederick A., Pinner, Middlesex, England, assignor to Naamlooze Vennootschap Yzerhandel I. M. De Vries, Amsterdam, Netherlands. Concealed fastening. 2,200,158; May 7.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Wind switch. 2,199,617; May 7.
Cleveland Crane & Engineering Company, The. (See Wehr, William G., assignor.)
Cobham, Alan J., H. C. Johnson, and P. R. Allison, Ford Aerodrome, Yapton, assignors to Flight Refuelling Limited, Temple, London, England. Apparatus for refueling aircraft in the air. 2,199,588; May 7.
Coffin, Alexander P., Farewell Cove, Quebec, Canada. Ski climbing device. 2,199,721; May 7.
Coleman, Harold, Chicago, Ill. Building construction. 2,199,694; May 7.
Coleman, Harry W. M., Huntington Park, Calif. Fence. 2,199,518; May 7.
Colin-Smith, Eric. (See Young, William J., assignor.)
Collins, Joseph L., and A. Durant, Jr., assignors to Sprague Specialties Company, North Adams, Mass. Electrolytic device. 2,199,519; May 7.
Compagnie pour la Fabrication, des Compteurs et Material d'Usines a Gaz. (See Barthelemy, René, assignor.)
Conover, James J., Columbia, Ky. Hay cutting saw. 2,199,618; May 7.
Consolidated Edison Company of New York. (See Metcalf, Charles N., assignor.)
Cook, Cleo E., Kingsport, Tenn., assignor to Linotype Parts Company, New York, N. Y. Matrix assembler for typographical machines. 2,200,022; May 7.
Cooper, Donald T., Philadelphia, Pa., assignor to Radio Corporation of America. Bank of switch keys. 2,200,076; May 7.
Cornell, Edward S., Jr., Larchmont, N. Y. Punch, die, and press assembly. 2,199,830; May 7.
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Courville, Alice A., administratrix. (See Courville, Joseph A.)
Courville, Joseph A., deceased, assignor of one-half to A. A. Courville, Marlboro, Mass., administratrix. Power take-off for automobiles. 2,199,659; May 7.
Coyne, Howard L., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical terminal. 2,200,059; May 7.
Craib, Fred, Martinez, Calif. Desk lamp. 2,199,985; May 7.
Cramer, Edna F., Burlingame, Calif. Sanitary diaper. 2,199,781; May 7.
Crosley Corporation, The. (See Kaestner, Thankmar W., assignor.)
Crouse-Hinds Company. (See White, Walter O., assignor.)
Crown Can Company. (See Sebell, Harry, assignor.)
Crowe Name Plate & Manufacturing Co. (See Benton, Harold Z., assignor.)
Cullen, Daniel G., Detroit, Mich., assignor to Steiner Sales Company, Chicago, Ill. Roller towel cabinet construction. 2,199,742; May 7.
Culver, John F., Cedar Grove, N. J. Shower curtain rod. 2,199,851; May 7.
Cummings, George C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground potential compensator. 2,199,558; May 7.
Cunning, Thomas G., Upland, assignor to Brogdex Company, Pomona, Calif. Apparatus for rubbing or brushing fruit and the like. 2,199,831; May 7.
Cunningham, Lewis L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Proportioning control system. 2,199,910; May 7.
Curry, Lars S., Ferguson, assignor to Carter Carburetor Corporation, St. Louis, Mo. Constant level chamber. 2,199,538; May 7.
Curtis, Austen M. (See Burton, E. T., and Curtis.)
Cutler-Hammer, Inc. (See Hunter, Richard B., assignor.)
Dabrasky, August, Washington, D. C. Vehicle. 2,199,392; May 7.
Dahl, James T., Seattle, assignor of twenty-five per cent to W. E. Lovell, Winslow, Wash. Lifeboat launching and releasing device. 2,199,393; May 7.
Dallenbach, Walter, Berlin-Charlottenburg, assignor to Julius Pintsch Kommandit-Gesellschaft, Berlin, Germany. Ultra-high-frequency oscillation apparatus. 2,200,023; May 7.
Daniels, Harold H. (See Benofsky, R. W., and Daniels.)
Darista, Humbert. (See Meier, Konrad, assignor.)
Darling & Company. (See Lowry, Thomas K., assignor.)
Dartmouth Co-Operative Society, Inc. (See Keller, Ernst R., assignor.)
Daub, Rudolph, Paterson, N. J., assignor to Wright Aeronautical Corporation. Composite cylinder and head. 2,199,619; May 7.
Davis, Augustine, Jr., Cincinnati, Ohio. Construction element. 2,200,159; May 7.
Davis, Charles, Piedmont, W. Va., assignor to West Virginia Pulp and Paper Company, New York, N. Y. Paper roll. 2,200,160; May 7.
Davis, James H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Sizing and riveting porous metal articles. 2,199,620; May 7.
Davis, Olin E., Whittier, Calif. Mortician's clamp. 2,199,949; May 7.
Davys, Maud L. (See Scott-Snell, Charles, assignor.)
Dawson, John W., Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic seam welding for high speed welding. 2,200,077; May 7.
Dawson, John W., Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic seam welding for high speed welding. 2,200,078; May 7.
Dawson, Wilfrid L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound picture film. 2,199,559; May 7.
De Becze, George, Lawrenceburg, Ind. Manufacture of yeast. 2,199,722; May 7.
Dehle, Otto T., Long Island City, N. Y. Washing machine basket. 2,199,539; May 7.
Dekay, Frank J., Warwick, N. Y. Plug connector. 2,199,782; May 7.
De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
De Minico, Charles, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Last. 2,199,483; May 7.
Dempster, George R., Knoxville, Tenn. Transporting and dumping vehicle. 2,199,520; May 7.
De Nicolais, Ernest, New York, N. Y. Window sash supporting and locking means. 2,199,484; May 7.
Dennison Manufacturing Company. (See Flood, Carl A., assignor.)
Denoix, Paul E. J., Paris, France, assignor to Sageb, Société Anonyme de Gestion et d'Exploitation de brevets, Fribourg, Switzerland. Piece of ordnance. 2,199,878; May 7.
Deroche, André, Fontgombaut, France. Manufacture of armored electric heating elements. 2,199,879; May 7.
De Sipio, Anthony, T. J., Bongiovanni, and J. J. Ricci, Philadelphia, Pa. Soap dispenser. 2,200,024; May 7.
Detlor, Robert S., Westmount, Quebec, Canada. Combustion device. 2,199,783; May 7.
De Vout, Anson W., La Grange, assignor to Industrial Patents Corporation, Chicago, Ill. Food storage. 2,199,485; May 7.
De Vry, Herman A., Chicago, Ill. Projector framing device. 2,200,161; May 7.
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
De Vulitch, Vladimir A., Paris, France. Manufacturing gas bottles. 2,200,162; May 7.
Dewan, Leon, New York, N. Y. Light control system. 2,199,394; May 7.
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn treating process and composition therefor. 2,199,986; May 7.
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and dyeing therewith. 2,199,987; May 7.
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning process and composition therefor. 2,199,988; May 7.
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning process and composition therefor. 2,199,989; May 7.
Dickinson, Arthur H. (See Bryce, J. W., and Dickinson.)
Dickson, James T., assignor to J. D. Fredericks, Jr., Los Angeles, Calif. Indicator. 2,199,784; May 7.

Dickson, James T., Los Angeles, Calif. Landing gear brake. 2,199,785; May 7.
Diels, Kurt, Berlin-Friedenau, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron device. 2,199,540; May 7.
Dierichs, Alfred, and H. Martini, Leverkusen-Wiesdorf, Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Extraction of phenols. 2,199,786; May 7.
Dietrick, John J., assignor to Rathborne, Hair & Ridgway Co., Chicago, Ill. Closure for bottle carriers. 2,199,832; May 7.
Dillard, Horace O., Oakland, Calif. Receptacle cover. 2,199,787; May 7.
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,200,163; May 7.
Di Mauro, Mauro, assignor of one-half to S. Pell, Scranton, Pa. Pressing table. 2,200,132; May 7.
Dimmick, Glenn L., Haddonfield, N. J., assignor to Radio Corporation of America. Sound recording. 2,199,621; May 7.
Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)
Dixon, Audrey E., San Francisco, Calif. Make-up cap. 2,199,395; May 7.
Doderer, Wilhelm, Essen, Germany. Contrivance for treating materials within a gas atmosphere of increased pressure. 2,199,521; May 7.
Doeg, Ralph W., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,199,486; May 7.
Dohen, Joseph M., New York, N. Y. Headdress. 2,199,427; May 7.
Dole Valve Company, The. (See Lund, James K., assignor.)
Donnelly, John C., New York, N. Y. Container. 2,200,200; May 7.
Dorfman, Hiller D., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,199,622; May 7.
Dough-King, Inc. (See Lagaard, Alexander S. T., assignor.)
Dow Chemical Company, The. (See Bass, Shaller L., assignor.)
Dow Chemical Company, The. (See Bass, S. L., and Kropscott, assignors.)
Dow Chemical Company, The. (See Britton, E. C., and Moyle, assignors.)
Dow Chemical Company, The. (See Hunter, Ralph M., assignor.)
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Burdett, Horace H., assignor.)
Draper Corporation. (See Lanier, Henry J., assignor.)
Dreisbach, Paul F. (See Renshaw, R. R., and Dreisbach.)
Dubilier, William, New Rochelle, N. Y. System for controlling knitting. 2,199,396; May 7.
Duncan Electric Manufacturing Company. (See Green, Stanley S., assignor.)
Duncan, James F., Waterville, assignor to Scovill Manufacturing Company, Waterbury, Conn. Drinking fountain bubbler. 2,200,079; May 7.
Du Pont, E. I., de Nemours & Company. (See Barrett, Harold J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carter, A. S., and Johnson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Engelmann, Max, assignor.)
Du Pont, E. I., de Nemours & Company. (See Henke, C. O., and Schofield, assignors.)
Du Pont, E. I., de Nemours & Company. (See Jacobson, Ralph A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lewis, Everett V., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Black, assignors.)
Du Pont, E. I., de Nemours & Company. (See Rossander, Swanie S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Underwood, William F., assignor.)
Durant, Alexander, Jr. (See Collins, J. L., and Durant.)
Durant, Walter W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Abrasive and producing same. 2,200,164; May 7.
Durdin, Augustus C., Jr., assignor to Chicago Pump Company, Chicago, Ill. Comminutor. 2,199,788; May 7.
Duriron Company, The. (See Parsons, James A., Jr., assignor.)
Dutton, Gratia T., et al. (See Edwards, Judson T. and C., assignors.)
Dyckerhoff, Eduard. (See Steinert, Johannes, assignor.)
E. A. Laboratories, Inc. (See Aufiero, John R., assignor.)
Eagle Knitting Mills, Inc. (See Wengen, Frank J., assignor.)
Eastman Kodak Company. (See Ayres, D. E. R., Batley, and Knott, assignors.)
Eastman Kodak Company. (See Bright, Bernard K., assignor.)
Eastman Kodak Company. (See Bright, A. W., and Zeigler, assignors.)
Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)
Eastman Kodak Company. (See Dickey, J. B., and Normington, assignors.)
Eastman Kodak Company. (See Hale, Joseph B., assignor.)
Eastman Kodak Company. (See Hutchison, Miller R., Jr., assignor.)
Eastman Kodak Company. (See Jensen, E. W., and Ives, assignors.)
Eastman Kodak Company. (See Kenyon, Roger B., assignor.)
Eastman Kodak Company. (See Lane, G. T., and Butterfield, assignors.)
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Edison General Electric Appliance Company. (See Stoddard, E. S., and Borman, assignors.)
Edwards, Crewdson. (See Edwards, Judson T. and C.)
Edwards, Judson T. and C., assignors of one-sixth to H. Baer and one-sixth to G. T. Dutton, St. Louis, Mo. Electric steam iron. 2,199,911; May 7.
Eichhorn, Frank G., assignor to The Lehon Company, Chicago, Ill. Making roofing. 2,199,660; May 7.
Eickman, Walter C., Dayton, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Guard for paper cutters. 2,199,743; May 7.
Eilers, Fred G., Mooreland, Okla. Oiling system. 2,199,912; May 7.
Electric & Musical Industries Limited. (See Lubszynski, Hans G., assignor.)
Electric & Musical Industries Limited. (See Nicoll, Frederick H., assignor.)
Electrographic Corporation. (See Hungay, George W., assignor.)
Electrol Incorporated. (See Andler, R. F., and Koeln, assignors.)
Eller, Wilhelm. (See Willeke, A., and Eller.)
Elliott, Clifton K., Bellvue Hill, New South Wales, Australia. Hydraulic shock absorber. 2,199,880; May 7.
Ellis, Delbert. (See Armstrong, G. C., and Ellis.)
Elsey, George W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Conductor bending die. 2,199,623; May 7.
Emmert, Kenneth L. (See Hensel, F. R., Emmert, and Wiggs.)
Engel, Kurt, St. Louis, France, and K. Pfaehler, assignors to the firm J. R. Geigy A. G., Basel, Switzerland. Assistants for the textile and related industries and their manufacture. 2,199,780; May 7.
Engelauf, Robert O. (See Sheeler, H. E., and Engelauf.)
Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Surface active material. 2,199,397; May 7.
Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphation. 2,199,398; May 7.
Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphating aliphatic alcohols. 2,199,399; May 7.
Engineering and Research Corporation, The. (See Black, J. L., and Wilcox, assignors.)
Erb, Jay, Green Springs, Ohio. Apparatus for slicing meat. 2,199,589; May 7.
Etchison, Carol L., Frederick, Md., assignor, by mesne assignments, to United Chromium, Incorporated, New York, N. Y. Apparatus for electroplating metallic articles. 2,199,487; May 7.
Failing, George E., Supply Company, The. (See Caldwell, Walter T., assignor.)
Faller, Ernest A., Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Electric plug. 2,199,560; May 7.
Farnsworth Television & Radio Corporation. (See Gardner, Bernard C., assignor.)
Fawick, Thomas L., Akron, Ohio. Flexible coupling. 2,199,624; May 7.
Fawley, Elmer H. (See Mueller, F. H., Bowan, and Fawley.)
Feln, Jacob, New York, N. Y. Shoe. 2,200,080; May 7.
Fiala-Fernbrugg, Benno, Vienna, Germany. Double-piston internal combustion engine. 2,199,625; May 7.
Filatex Corporation. (See Tobias, Fred J., assignor.)
Finlayson, Donald, and J. F. Levers, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile product. 2,199,428; May 7.
Finlayson, Donald, and J. F. Levers, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile material. 2,199,429; May 7.
Finnigan, Charles W. (See Mountjoy, G., and Finnigan.)
Fischer, Howard L. (See Franzmeier, Alvin W., assignor.)
Fischer, Oskar. (See Kuppenbender, H., Fischer, Henkel, Peters, and Mende.)
Flaxman, Marcellus T., Wilmington, assignor to Union Oil Company of California, Los Angeles, Calif. Anhydrous lubricant. 2,199,695; May 7.
Fleck, Herman S., administrator. (See Fleck, Herman.)
Fleck, Herman, deceased, Santa Monica, Calif.; H. S. Fleck, administrator of said H. Fleck. Recovery of uranium and vanadium from carnotite ores. 2,199,696; May 7.

Fleck, Herman, deceased, Santa Monica, Calif.; H. S. Fleck, administrator of said H. Fleck. Concentrating radium bearing ores. 2,199,697; May 7.
Fleck, Herman S., administrator. (See Fleck, Herman.)
Fleischman, John, Uniontown, Wash. Nail driver. 2,199,833; May 7.
Fleming, Howard M., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Listing machine. 2,200,201; May 7.
Fleming, Robert G., Chico, Calif. Combine harvester. 2,199,488; May 7.
"Flexitallic" Gasket Company. (See Bohmer, H., Jr., and Lippincott, assignors.)
Flight Refuelling Limited. (See Cobham, A. J., Johnson, and Allison, assignors.)
Flinchum, William W., Oklahoma City, Okla. Piston. 2,199,950; May 7.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Pin ticket. 2,199,968; May 7.
Flosdorf, Earl W., Ardmore, assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. Apparatus for the treatment of biologically active products. 2,199,815; May 7.
Flosdorf, Earl W., Ardmore, assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. Preservation of biologically active substances. 2,199,816; May 7.
Flosdorf, Earl W., Ardmore, assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. Preservation of biologically active substances. 2,199,817; May 7.
Food Machinery Corporation. (See Hait, James M., assignor.)
Franke, Kenneth S., New York, N. Y. Trick device. 2,199,818; May 7.
Franzmeier, Alvin W., Rosemount, assignor of one-fourth to H. L. Fischer, St. Paul, Minn. Milk strainer. 2,199,698; May 7.
Fredericks, John D., Jr. (See Dickson, James T., assignor.)
Freese, Gerald J., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,199,626; May 7.
Frelin, Fritjof, Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Oiling device. 2,199,699; May 7.
French, John W., and A. J. Andre, Warren, and L. A. Teachout, Youngstown, assignors, by mesne assignments, to Mullins Manufacturing Corporation, Salem, Ohio. Drawing metal. 2,199,627; May 7.
French, Walter D. (See Long, K. G., and French.)
Frick Company. (See Shenton, Francis, assignor.)
Froelich, Herman C. (See Swinehart, C. F., and Froelich.)
Fuel Refining Corporation. (See Otto, Carl, assignor.)
Fulkerson, Elmer M. and J. C., Sonora, Ky. Motor truck lime spreader. 2,200,165; May 7.
Fulkerson, Jesse C. (See Fulkerson, Elmer M. and J. C.)
Fuller, Frederick L., West Orange, N. J., and H. S. Beattie, assignors to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,199,561; May 7.
Gaines, Eugene F., deceased, Bala, Pa.; J. S. Gaines, administratrix. Fastener. 2,199,913; May 7.
Gaines, Jean S., administratrix. (See Gaines, Eugene F.)
Galle, Jean B. P. H., Sceaux, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret (Seine), France. Aerial navigation means. 2,199,819; May 7.
Gallinger, Hiram B., Superior, Wis. Door closer. 2,199,628; May 7.
Gamble, Edward F., Palo Alto, and F. N. Towle, Los Altos, Calif. Device for automatically maintaining the carbonating agent in carbonated beverages. 2,199,661; May 7.
Gannett, Danforth K., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling circuits. 2,199,820; May 7.
Gardner, Bernard C., Springfield Township, Montgomery County, Pa., assignors, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Image analyzing and dissecting tube. 2,200,166; May 7.
Garland, Mather, and E. Greer; said Greer assignor to Rotary Snow Plow Company, Minneapolis, Minn. Snowplow structure. 2,199,723; May 7.
Gates, William E. F. (See Renfrew, A., and Gates.)
Gavin, Thomas A., et al., executors. (See Peirce, J. R., and Torkelson.)
Gay, Norman N., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Fabric waterproofing composition. 2,199,933; May 7.
Geerpres Wringer, Inc. (See Bard, Elmer H., assignor.)
Geier, Ernest C., White Plains, N. Y., and J. Haesler, Teaneck, N. J., assignors to Duplan Silk Corporation, New York, N. Y. Fabric construction. 2,199,400; May 7.
Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
Geigy, J. R., A. G. (See Becherer, Fritz, assignor.)
Geigy, J. R., A. G. (See Engel, K., and Pfaehler, assignors.)
Geiser, Walter W., Philadelphia, Pa. Flow visualizer. 2,200,060; May 7.
General Aniline & Film Corporation. (See Baumann, F., Krause, Schwechten, and Zell, assignors.)
General Aniline & Film Corporation. (See Bröker, Walter, assignor.)
General Aniline & Film Corporation. (See Koeberle, K., Rohland, and Steigerwald, assignors.)
General Aniline & Film Corporation. (See König, Walter, assignor.)
General Aniline & Film Corporation. (See Lange, H., and Hoffman, assignors.)
General Aniline & Film Corporation. (See Roos, Hans, assignor.)
General Aniline & Film Corporation. (See Rösch, Georg, assignor.)
General Aniline & Film Corporation. (See Schmidt, Karl, assignor.)
General Chemical Company. (See Carter, Bernard M., assignor.)
General Dry Batteries. (See Knable, O. A., and Martes, assignors.)
General Electric Company. (See Alterthum, H. and Pirani, assignors.)
General Electric Company. (See Andersen, Herbert H., assignor.)
General Electric Company. (See Gilbert, Ralph A., assignor.)
General Electric Company. (See Iden, Fred B., assignor.)
General Electric Company. (See Moriarty, Charles D., assignor.)
General Electric Company. (See Partridge, John H., assignor.)
General Electric Company. (See Pipkin, Marvin, assignor.)
General Electric Company. (See West, Harry R., assignor.)
General Motors Corporation. (See Bichowsky, Francis R., assignor.)
General Motors Corporation. (See Claytor, Edward M., assignor.)
General Motors Corporation. (See Davis, James H., assignor.)
General Motors Corporation. (See Elsey, George W., assignor.)
General Motors Corporation. (See Hughes, Frederick G., assignor.)
General Motors Corporation. (See Jacobs, James W., assignor.)
General Motors Corporation. (See Karmazin, John, assignor.)
General Motors Corporation. (See Kaufman, Daniel L., assignor.)
General Motors Corporation. (See Lewis, Carroll E., assignor.)
General Motors Corporation. (See Smith, Rolf M., assignor.)
General Motors Corporation. (See Swarthout, Stanley H., assignor.)
General Motors Corporation. (See Tarleton, Frederic L., assignor.)
General Motors Corporation. (See Wallis, Cyril T., assignor.)
Gerber, Isidor. (See Brownstein, Louis, assignor.)
Gerrard Company, The. (See Zaremba, V. F., and Osuch, assignors.)
Gerrard, John M., Chicago, Ill. Band cutter and tensioning device. 2,199,744; May 7.
Geuder, Paeschke & Frey Company. (See Hois, L. J., and Sladky, assignors.)
Gibbs, John C., Brooklyn, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure cap. 2,200,081; May 7.
Gilbert, Ralph A., Pittsfield, Mass., assignor to General Electric Company. Resistance line welding machine. 2,200,112; May 7.
Gillenwaters, M. Elizabeth. (See Sparling, Elliott W.)
Gillenwaters, Theodore R., et al., trustees. (See Sparling, Elliott W., assignor.)
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gilt Edge Safety Glass Limited. (See Perry H. and Grotefeld, assignors.)
Giroux, Charles. (See Hobson, C. H., and Giroux.)
Globe Oil Tools Company. (See Catland, Alfred C., assignor.)
Glolite Corporation, The. (See Koonz, John C., assignor.)
Godfrey, Albert F., and R. Wedgwood, assignors of thirty per cent to A. E. Shaw and thirty per cent to G. M. Wilkins, Buffalo, N. Y. Signal flare. 2,199,990; May 7.
Goepel, Carl P. (See Saleh, Gabriel E. R., assignor.)
Goldberg, Morris L., Kiamesha, N. Y. Indicator for night driving of automobiles. 2,200,167; May 7.
Goldberg, Morris L., Kiamesha, N. Y. Reflector device for indicating the position of a car. 2,200,168; May 7.
Goldschmidt, Friedrich. (See Kafowi, Johann, assignor.)
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodson, Jack. (See Thorne, Harold, assignor.)
Groeneveld, Yme B. F. J., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Automatic volume control. 2,200,062; May 7.
Gorman, Earl F., assignor to The Selas Company, Philadelphia, Pa. Gas burner. 2,199,951; May 7.

Gougler, C. L., Machine Company, The. (See Beckwith, G. R., and Propper, assignors.)
Gramelspacher, Clarence U., Jasper, Ind. Rubber coated plywood for road material. 2,199,700; May 7.
Granite City Steel Company. (See Randolph, Nathaniel B., assignor.)
Grant, Charles H., et al. (See Lawler, Frank P., assignor.)
Greaves, Valentine F., Oakland, Calif. Steady rest for cameras. 2,199,662; May 7.
Green, Martin J., assignor of one-fourth to J. C. Suess, Chicago, Ill. Waste disposal unit. 2,200,061; May 7.
Green, Stanley S., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Multielement watthour meter. 2,199,991; May 7.
Greene, Daniel A., Flint, and J. M. Gaughey, assignors to Stubnitz-Greene Spring Corporation, Adrian, Mich. Spring and air cushion. 2,199,489; May 7.
Greer, Agnes J. R. (See Nyberg, Stone, assignor.)
Greer, Edward. (See Garland, M., and Greer.)
Greif Bros. Cooperage Corporation, The. (See Schmidtke, Albert H., assignor.)
Greve, Friedrich H., La Salle, Ill. Pocketknife. 2,199,430; May 7.
Griffin, Nicholas E., South Pasadena, Calif. Window construction. 2,199,562; May 7.
Groene, Willard L. (See Groene, William F. and W. L.)
Groene, William F. and W. L., assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Feed mechanism for lathes. 2,199,834; May 7.
Grotefeld, Augustus W. (See Perry, H., and Grotefeld.)
Groth, William J., Los Angeles, Calif. Ashpit doorframe. 2,199,590; May 7.
Grundmann, Gustave L. (See Allen, H. C., and Grundmann.)
Guarnaschelli, Stephen, Elmhurst, assignor to Packless Metal Products Corporation, New York, N. Y. Connector. 2,200,082; May 7.
Guinzburg, Roland H., Flushing, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Method and apparatus for producing rubber articles. 2,199,790; May 7.
Gwynn, Albert P., Richmond, Va. Bathtub modernizing shield. 2,199,791; May 7.
Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinder. 2,199,457; May 7.
Haberstump, Alfred H., assignor, by mesne assignments, to Bendix Homes Appliances, Inc., Detroit, Mich. Drain assembly for washing machines and the like. 2,199,792; May 7.
Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Rocker arm. 2,199,914; May 7.
Hacklander, Hans, Linden, N. J., and G. Sauer, Berwyn, assignors to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 2,199,663; May 7.
Haesler, John. (See Geier, E. C., and Haesler.)
Haffcke, Philip M., Washington, D. C. Radio decoupling system for excessive amplitudes. 2,199,401; May 7.
Haft, James M., Los Angeles, Calif., assignor to Food Machinery Corporation. Submersible pump. 2,199,490; May 7.
Hale, Jesse W., Newton Center, Mass. Change speed system. 2,199,993; May 7.
Hale, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilization of polyvinyl resins. 2,199,992; May 7.
Hamer, William E. (See Mather, E., and Hamer.)
Hamilton, Asa D., Niles, Mich. Target apparatus. 2,199,701; May 7.
Hamm, Edward C., Norwalk, Calif. Straight pull tool jar. 2,199,969; May 7.
Hamm, Edward C. (See Shaffer, D. U., Hobbs, and Hamm.)
Hammerly, Herman J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Terminal clamp for electric fuses, etc. 2,199,793; May 7.
Hammick, Walter, assignor of one-third to J. F. Klaner Jr., and one-third to A. Besse, Pittsburgh, Kans. Gas heater. 2,200,169; May 7.
Hammond, Laurens, Chicago, Ill. Broadcasting. 2,199,702; May 7.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking apparatus. 2,199,821; May 7.
Hardie, Donald C., Easton, Pa. Tension device for spinning machines. 2,199,591; May 7.
Harris, Robert F., Los Angeles, Calif. Card table. 2,199,745; May 7.
Harris-Seybold-Potter Company. (See Eickman, Walter C., assignor.)
Harris-Seybold-Potter Company. (See Wood, William H., assignor.)
Harrison, Laurence S., Hartsdale, and E. J. Rabenda, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Data transcribing machine. 2,199,541; May 7.
Harshaw Chemical Company, The. (See Harshaw, W. J., and Stillwell, assignors.)
Harshaw Chemical Company, The. (See Swinehart, C. F., and Froelich, assignors.)
Harshaw, William J., Shaker Heights, and W. D. Stillwell, South Euclid, assignors to The Harshaw Chemical Company, Elyria, Ohio. Opacifier for vitreous enamels. 2,199,794; May 7.
Harshaw, William J., Shaker Heights, and W. D. Stillwell, South Euclid, assignors to The Harshaw Chemical Company, Elyria, Ohio. Opacifier for vitreous enamels. 2,200,170; May 7.
Hart, Lester C., assignor to Hi-Voltage Equipment Company, Cleveland, Ohio. Fuse link. 2,199,746; May 7.
Hartig, Henry E., Robbinsdale, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,200,225; May 7.
Harvey, Cecil E., Hornchurch, England. Centrifugal machine for the separation of solid and liquid materials. 2,200,202; May 7.
Haskelite Manufacturing Corporation. (See Kloote, George E., assignor.)
Hastings Manufacturing Company, The. See Wiebke, August, assignor.)
Hedlund, William T., New Rochelle, assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,199,881; May 7.
Hegenberger, Albert F., Dayton, Ohio. Radio system and navigation. 2,199,402; May 7.
Heinemann Circuit Breaker Company. (See Wilckens, Kurt W., assignor.)
Heinemann Electric Company. (See Wilckens, Kurt W., assignor.)
Heintz, William W., Aurora Hills, Va. Legend sheet and application. 2,200,203; May 7.
Heisel, Paul, and A. Hendschel, Gersthofen, near Augsburg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing higher halogenated ketones. 2,199,934; May 7.
Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Space discharge apparatus and circuits. 2,200,063; May 7.
Hemminger, Charles E. (See Tyson, C. W., and Hemminger.)
Hemphill Company. (See Lawson, Robert H., assignor.)
Hendschel, Albert. (See Heisel, P., and Hendschel.)
Henke, Clyde O., Wilmington, Del., and F. M. Schofield, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphates of unsaturated alcohols. 2,199,403; May 7.
Henkel, Gerhard. (See Kuppenbender, H., Fischer, Henkel, Peters, and Mende.)
Hensel, Franz R., K. L. Emmert, and J. W. Wiggs, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact. 2,199,458; May 7.
Heraeus, W. C., G. m. b. H. (See Auwärter, M., and Ruthardt, assignors.)
Herbert, John S., Earlimart, Calif. Inhalator. 2,199,724; May 7.
Herlichy, Theodore E., et al. (See Buchet, Conrad R., assignor.)
Hermanson, William A., Boston, Mass. Packing material. 2,200,171; May 7.
Herold, James L., St. Louis, and F. W. Wehmiller, Ladue, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Apparatus for cleaning bottles. 2,199,459; May 7.
Heth, Sherman C., and W. B. Tallman, assignors to J. I. Case Company, Racine, Wis. Combination harvester-thresher. 2,199,629; May 7.
Heynau, David H., Cincinnati, Ohio. Friction gear transmission. 2,199,491; May 7.
Heywood-Wakefield Company. (See Bell, Alfred B., assignor.)
Hibbard, Lloyd J., Forest Hills, and T. L. Weybrew, Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,200,083; May 7.
Hibbard, Lloyd J., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Locomotive control system. 2,200,084; May 7.
Hickman, Kenneth C. D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation. 2,199,994; May 7.
Hickman, Kenneth C. D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Preparation of vitamin compositions. 2,199,995; May 7.
Hildebrand, Ralph L., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrostatic precipitator equipment. 2,200,085; May 7.
Hill, Rowland. (See Charlton, W., Hill, Walker, and Waters.)
Hill, William J., Redland, England. Apparatus for marking leather, textile, or paper fabrics, or other suitable material. 2,199,822; May 7.
Hine, Charles W. (See Mavonnade, H., and Hine.)
Hines, Claude M., Pittsburgh, and B. E. O'Hagan, Swissvale, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,199,952; May 7.
Hi-Voltage Equipment Company. (See Hart, Lester C., assignor.)
Hobbs, Frank D. (See Shaffer, D. U., Hobbs, and Hamm.)
Hobson, Clifton H., Palmer, and C. Giroux, Three Rivers, Mass. Safety signaling means. 2,199,996; May 7.
Hodgson, R. C. (See Jones, Frank A., assignor.)
Hodil, Ralph W. (See Redmond, J. C., and Hodil.)

Hodnette, John K., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Meter circuit protective means. 2,199,630; May 7.
Hoffmann, Otto. (See Lange, H., and Hoffmann.)
Hofmann, Carl F., Siegmar-Schonau, Germany. Fixing means for traveler rings of ring spinning and ring twisting machines. 2,199,795; May 7.
Hois, Louis J., and A. C. Sladky, assignors to Geuder, Paeschke & Frey Company, Milwaukee, Wis. Milk can cover. 2,199,953; May 7.
Hojnowski, Jakob, Nekoosa, Wis. Armored motor car or tank. 2,200,230; May 7.
Holcomb, Anson M., assignor to Industrial Brownhoist Corp., Bay City, Mich. Self-propelled pusher car. 2,199,460; May 7.
Holden, William H. T., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone signaling system. 2,199,431; May 7.
Holmes, Bradford B., New York, N. Y. Infusion apparatus. 2,199,592; May 7.
Holt, Chandler, Rochester, assignor to Bourjois, Inc., New York, N. Y. Irradiating creams and apparatus therefor. 2,199,796; May 7.
Horkheimer, Rolf, Berlin, Germany, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Condenser microphone. 2,199,432; May 7.
Horn, Meyer, Maplewood, and J. Ross, Flushing, N. Y. Signal means for compressed fluid delivering apparatus. 2,200,113; May 7.
Horsley, James H., Chicago, Ill. Container. 2,199,664; May 7.
Houdaille-Hershey Corporation. (See Sandberg, Ray A., assignor.)
Hough, Frank G., Chicago, Ill. Street sweeper. 2,199,703; May 7.
House, Frank R., Baldwin Harbor, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Sound locator apparatus. 2,199,404; May 7.
Howard, Clifford, Oklahoma City, Okla. Tubing cutter. 2,200,172; May 7.
Howard, Thomas A., Holladay, Utah. Child's play bowl. 2,199,915; May 7.
Hudson Motor Car Company. (See Badertscher, Dana K., assignor.)
Huff, George R., Saskawa, Okla. Self-lubricating stuffing box for oil wells. 2,199,725; May 7.
Hughes, Frederick G., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Brake. 2,199,997; May 7.
Hunter, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Purification of chlorine. 2,199,797; May 7.
Hunter, Richard B., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit control panel. 2,199,563; May 7.
Hutchinson, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 2,199,998; May 7.
Hutsell, Thomas A., assignor to Barmaster, Inc., Seattle, Wash. Beer measuring and dispensing device. 2,199,405; May 7.
Hyde, John, Chicago, Ill. Hand piece for power driven tools. 2,199,726; May 7.
I. G. Farbenindustrie Aktiengesellschaft. (See Chwala, A., and Waldmann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dierichs, A., and Martini, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Heisel, P., and Hendschel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Loewenberg, K., and Smeykal, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., and Ufer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlack, Paul, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Willeke, A., and Eller, assignors.)
Iden, Fred B., Cleveland Heights, Ohio, assignor to General Electric Company. Mount making machine. 2,199,852; May 7.
Illinois Tool Works. (See Olson, Carl G., assignor.)
Imperial Chemical Industries Limited. (See Bone, W. A., and Newitt, assignors.)
Imperial Chemical Industries Limited. (See Charlton, W., Hill, Walker, and Waters.)
Imperial Chemical Industries Limited. (See McCowen, John L., assignor.)
Imperial Chemical Industries Limited. (See Renfrew, A., and Gates, assignors.)
Imperial Paper and Color Corporation. (See van Wirt, Alfred E., assignor.)
Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 2,200,173; May 7.
Industrial Brownhoist Corp. (See Holcomb, Anson M., assignor.)
Industrial Brownhoist Corp., The. (See Taylor, Ernest W., assignor.)
Industrial Patents Corporation. (See De Vout, Anson W., assignor.)
Ingersoll-Rand Company. (See Frelin, Fritjof, assignor.)
Ingersoll-Rand Company. (See Karr, Alfred D., assignor.)
Inokuchi, Toyohachiro Toshima-ku, Tokyo, and Uichi Kawarahata, Kawagoye, assignors to Toyo Gomu Kagakukogyo Kabushiki Kaisha, Tokyo, Japan. Process and apparatus for spinning rubber thread from rubber latex. 2,199,882; May 7.
International Business Machines Corporation. (See Beiderbecke, Charles H., assignor.)
International Business Machines Corporation. (See Bryce, J. W., and Dickinson, assignors.)
International Business Machines Corporation. (See Campbell, Charles, assignor.)
International Business Machines Corporation. (See Carroll, Fred M., assignor.)
International Business Machines Corporation. (See Faller, Ernest A., assignor.)
International Business Machines Corporation. (See Fuller, F. L., and Beattie, assignors.)
International Business Machines Corporation. (See Harrison, L. S., and Rabenda, assignors.)
International Business Machines Corporation. (See Malmros, Gustav V. A., assignor.)
International Business Machines Corporation. (See Nichols, Harry J., assignor.)
International Business Machines Corporation. (See Peirce, John R., assignor.)
International Business Machines Corporation. (See Peirce, John R., and Torkelson, assignors.)
International Engineering Corporation. (See Brace, Kemper P., assignor.)
International Precipitation Company. (See Anderson, Evald, assignor.)
International-Stacey Corporation. (See Athy, Clifford R., assignor.)
International-Stacey Corporation. (See Bowser, Clarence D., assignor.)
Intertype Corporation. (See Allan, G. W., and Simpson, assignors.)
Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Hydrocarbon reactions. 2,199,564; May 7.
Ishiwata, Zenzo, Seta-gun, Gunma-ken, Japan. Apparatus for preventing raising of dust and splashing of mud by automobiles. 2,199,883; May 7.
Ives, Charles E. (See Jensen, E. W., and Ives.)
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Optical scanning apparatus using mirror helix. 2,199,433; May 7.
Jablon, Olga, New York, N. Y. Tea bag. 2,199,406; May 7.
Jackes-Evans Manufacturing Company. (See Jackes, Stanley F., assignor.)
Jackes, Stanley F., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo. Stove board. 2,199,916; May 7.
Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,199,798; May 7.
Jacobson, Ralph A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Addition products of thiophenols and acrylic acid esters. 2,199,799; May 7.
Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Meat grinder. 2,199,704; May 7.
Jalbert, Adrien L., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for separating shoes from lasts. 2,199,492; May 7.
James, Stephen F., Chicago, Ill. Vibrator and circuit for same. 2,200,064; May 7.
Janes, Joseph, Somerville, Mass. Cutting block. 2,199,917; May 7.
Jardine, Matthew A. (See Sebrean, F. W., and Jardine.)
Jarosik, Andrew J., assignor to The Murray Corporation of America, Detroit, Mich. Preparing inner trim panels. 2,199,918; May 7.
Jennings, Jarvis S., Jr., assignor to Monarch Governor Company, Detroit, Mich. Governor. 2,200,065; May 7.
Jensen, Elnar W., and C. E. Ives, assignors to Eastman Kodak Company, Rochester, N. Y. Friction clutch. 2,199,999; May 7.
Jodel Inc. (See Levin, D. E., and McGee, assignors.)
Johns, Henry S., Cleveland, Ohio, assignor to Bancroft Holdings Limited, Hamilton, Ontario, Canada. Tubular belt conveyer. 2,199,935; May 7.
Johnsen, Bjornulf, Brooklyn, assignor to L. N. S. Corporation, New York, N. Y. Fluid dispensing device. 2,199,800; May 7.
Johnson, Frank W. (See Carter, A. S., and Johnson.)
Johnson, Hugh C. (See Cobham, A. J., Johnson, and Allison.)
Johnson, Richard V., Clifton Forge, Va. Wedge bolt. 2,200,174; May 7.
Johnson, Rolly. (See Behee, Joseph H., assignor.)
Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Continuous wire-drawing machine. 2,199,493; May 7.
Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Wire-drawing apparatus. 2,199,494; May 7.
Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Wire-drawing apparatus. 2,199,495; May 7.

Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Wire-drawing apparatus. 2,199,496; May 7.
Johnson, Edwin J. (See Long, C. J., Johnson, and Swindells.)
Johnson Steel & Wire Company. (See Johnson, Charles D., assignor.)
Johnstone, Robert M., Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Winding flexible material. 2,200,000; May 7.
Jondreau, Romeo J., Surprise, N. Y. Educational device. 2,199,497; May 7.
Jones, Arthur J., Indianapolis, Ind. Game. 2,199,461; May 7.
Jones, Frank A., assignor of one-half to R. G. Hodgson, Greer, S. C. Grinding machine. 2,200,025; May 7.
Jones, Martha R., San Francisco, Calif. Sugar sirup. 2,199,522; May 7.
Joyce, William H., Jr., Pasadena, Calif. Shoe construction. 2,199,853; May 7.
Juelson, Agnes S., Chicago, Ill. Scrubbing device. 2,200,026; May 7.
Kaeser, George L., Hartford, Conn., assignor to Walsh Holyoke Steam Boiler Works, Inc., Holyoke, Mass. Snowplow. 2,199,593; May 7.
Kaestner, Thankmar W., assignor to The Crosley Corporation, Cincinnati, Ohio. Operating mechanism for washing machine assemblies. 2,200,175; May 7.
Kafowl, Johann, Vienna, Austria, assignor of one-half to F. Goldschmidt, Prague, Czechoslovakia. Producing elongated bodies by deformation. 2,200,231; May 7.
Kann, Sydney, Detroit, assignor of one-half to C. Swartout, North Muskegon, Mich. Garment construction. 2,199,462; May 7.
Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle gassing machine. 2,199,565; May 7.
Karcher, John C., Dallas, Tex. Apparatus for making electrical surveys of boreholes. 2,199,705; May 7.
Karmazin, John, Huntington, Ind., assignor to General Motors Corporation, Dayton, Ohio. Restrictor tubing. 2,199,631; May 7.
Karper, S., & Bros. (See Riley, John P., assignor.)
Karr, Alfred D., Newark, assignor to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating apparatus. 2,199,463; May 7.
Kattwinkel, Hans, Radebeul, Germany. Multiple disk friction device. 2,199,801; May 7.
Kaufman, Daniel L., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,199,498; May 7.
Kauffmann, Hans O., assignor to Buffalo Electro-Chemical Company, Inc. Hypochlorous acid solutions and making same. 2,199,936; May 7.
Kawarahata, Uichi. (See Inokuchi, T., and Kawarahata.)
Kaywood Corporation. (See Sherwood, Glenn L., assignor.)
Kégresse, Adolphe, Paris, France. Clutch with hydraulically compressed disks. 2,199,523; May 7.
Keller, Ernst R., Springfield, Mass., assignor to Dartmouth Co-Opefative Society, Inc., Hanover, N. H. Ski-binding device. 2,199,937; May 7.
Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Motion picture printer. 2,200,086; May 7.
Kelsey, Cadwallader W., Troy, N. Y. Agricultural implement. 2,199,954; May 7.
Kelly, James M., Trafford, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical contact member. 2,200,087; May 7.
Kelly, James M., Trafford, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical contact member. 2,200,088; May 7.
Keltie, George R., assignor to American Wringer Company, Woonsocket, R. I. Squeeze roll assembly. 2,200,176; May 7.
Kennedy, Albert C., Malvern, Ark. Aggregate moisture eliminator. 2,199,884; May 7.
Kent, William R., Passaic, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass. Machine for unwinding a web of material. 2,199,594; May 7.
Kenyon, Roger B., assignor to Eastman Kodak Company, Rochester, N. Y. Film casting machine. 2,200,001; May 7.
Kessery, Peter, Hawthorne, N. J. Propeller. 2,199,823; May 7.
Keyes, Robert E., Wellesley Hills, assignor to B. F. Sturtevant Company, Boston, Mass. Air washer. 2,199,632; May 7.
Keystone Mfg. Co., The. (See Chur, Charles H., assignor.)
King, Frederick H., Detroit, Mich. Marble game. 2,199,407; May 7.
Kinkead, Fullerton S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,199,824; May 7.
Kipper, Herman B., Accord, Mass. Synthesis of chlorinated, unsaturated hydrocarbons. 2,199,633; May 7.
Kirby, Joseph L. S., San Francisco, Calif. Automobile parking device. 2,200,027; May 7.
Kirsten, Kurt F. J., Seattle, Wash. Tobacco pipe. 2,200,236; May 7.
Kirsten, Kurt F. J., Seattle, Wash. Tobacco pipe. 2,200,237; May 7.
Klaner, Joseph F., Jr., et al. (See Hammick, Walter, assignor.)
Klangfilm G. m. b. H. (See Steube, Fritz, assignor.)
Klavík, Miloš, Prague-Smichov, Czechoslovakia. Mounting of axle springs in automobiles. 2,200,177; May 7.
Kleber, Luther A., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Production of composite castings. 2,200,178; May 7.
Kleinert, I. B., Rubber Company. (See Guinzburg, Roland H., assignor.)
Kloote, George E., Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation. Floor panel for aircraft. 2,199,938; May 7.
Knable, Oscar A., Lakewood, and C. N. Mertes, Berea, assignors to General Dry Batteries, Inc., Cleveland, Ohio. Apparatus for charging siphon bottles. 2,199,665; May 7.
Knoerzer, Otto, assignor to Champion Corporation, Hammond, Ind. Irrigating pipe coupling. 2,199,939; May 7.
Knott, Edward B. (See Ayres, D. E. R., Batley, and Knott.
Knowles, Dewey D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Low grid current glow tube. 2,200,089; May 7.
Kobe Seikosho Company, The. (See Kudo, Hiojiro, assignor.)
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Secret communication system. 2,199,634; May 7.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Ultra high frequency antenna. 2,199,635; May 7.
Koeberle, Karl, W. Rohland, and C. Steigerwald, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Vat dyestuffs of the naphthindenone series. 2,199,566; May 7.
Koeberle, Karl, W. Rohland, and C. Steigerwald, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Vat dyestuffs of the peri-naphthindenone series. 2,199,567; May 7.
Koehring Company. (See Poulter, John W., assignor.)
Koeln, George R. (See Andler, R. F., and Koeln.)
Koller, Karl, Budapest, Hungary. Gas producer of the rotary grate type. 2,200,066; May 7.
König, Walter, Dresden, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Sensitizing silver halide emulsions. 2,199,542; May 7.
Konikoff, Harry, Far Rockaway, N. Y. Combined lamp and mirror structures. 2,200,114; May 7.
Konski, Herbert D., New York, N. Y. Shorts. 2,200,090; May 7.
Koonz, John C., Fort Wayne, Ind., assignor to The Glolite Corporation, Waukegan, Ill. Decorative device. 2,199,434; May 7.
Koonz, John C., Fort Wayne, Ind. Decorative star. 2,199,435; May 7.
Koss, Joseph R., Detroit, Mich. Aerial. 2,199,727; May 7.
Kovach, Charles, Perth Amboy, N. J. Valve for water faucet. 2,200,091; May 7.
Krall, Leo W. (See McGehee, I. E., and Krall.)
Krause, Artur. (See Baumann, F., Krause, Schwechten, and Zeil.)
Kravchuk, Walter N., Hartford, Conn. Electric lighter. 2,199,885; May 7.
Kreitler, George A., Greenwich, Conn. Geographical game. 2,199,499; May 7.
Kretchmer, Frank P., Chicago, Ill. Extrusion device. 2,199,825; May 7.
Kroll, Marjorie. (See Kroll, Philip J., assignor.)
Kroll, Philip J., New Orleans, La., assignor to M. Kroll, Cambridge, Mass. Vehicle lifting apparatus. 2,199,524; May 7.
Kropscott, Earle L. (See Bass, S. L., and Kropscott.)
Kruck, Eugen, Neu-Isenburg, Germany. Force measuring device. 2,199,955; May 7.
Kruger, Guss O., Madison, S. Dak. Fork. 2,200,179; May 7.
Kucera, Frank A., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 2,199,666; May 7.
Kudo, Hiojiro, Takahane, Nada-ku, Kobe, assignor to The Kobe Seikosho Company, Limited, Fukiai-ku, Kobe, Japan. Impact testing machine. 2,200,028; May 7.
Kullberg, William E., Avon, Conn. Stove lid. 2,200,180; May 7.
Kulling, Rudolph C., Chicago, Ill. Can perforator. 2,200,029; May 7.
Küppenbender, Heinz (O. Fischer and G. Henkel, Dresden, O. Peters, Hansdorf, and A. Mende, Dresden, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic camera. 2,199,464; May 7.
Kurth, Franz J., New York, N. Y., assignor to Anemostat Corporation of America. Air distributing device. 2,199,525; May 7.
L. N. S. Corporation. (See Johnsen, Bjornulf, assignor.)
Lagaard, Alexander S. T., assignor to Dough-King, Inc., Minneapolis, Minn. Doughnut machine. 2,199,854; May 7.

Lagaard, Alexander S. T., assignor to Dough-King, Inc., Minneapolis, Minn. Doughnut machine. 2,199,853; May 7.
La Liberte, Elie J., Worcester, Mass. Registering tourniquet applicable for the determination of blood pressure. 2,199,408; May 7.
La Mar, Frank C., New York, N. Y. Plug fuse. 2,199,835; May 7.
Lamb, Albert L. (See Briggs, O. B., and Lamb.)
Lamond, John, assignor to Pittsburgh Pipe & Coupling Company, Allison Park, Pa. Gauge tool. 2,200,181; May 7.
Lane, Gerould T., and W. Butterfield, assignors to Eastman Kodak Company, Rochester, N. Y. Paper making machine. 2,200,002; May 7.
Lange, Hans, and O. Hoffman, Dessau in Anhalt, Germany, assignor to General Aniline & Film Corporation. Manufacture of 1-methyl-4-chloro-5-hydroxy naphthalene-1′ sulphonic acid. 2,199,568; May 7.
Lanier, Henry J., La Grange, Ga., assignor to Draper Corporation, Hopedale, Mass. Thread cutting mechanism. 2,200,182; May 7.
Lannen, Joseph P., Detroit, Mich. Work carrier for balancing machines. 2,199,667; May 7.
Larison, Glenn L., La Grange, Oreg. Compensating wheel mounting for vehicles. 2,199,409; May 7.
Larson, John M., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve device. 2,200,226; May 7.
Lauck, Friedrich, Travemunde, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Course device for vehicles. 2,200,030; May 7.
Lawler, Frank P., assignor to C. H. Grant, San Francisco, P. J. Tyler, Oroville, Calif., and himself. Hoist. 2,199,668; May 7.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine. 2,199,636; May 7.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Cam for knitting machines. 2,199,637; May 7.
Lazarides, Platon, New York, N. Y. Producing wall brackets or holdfasts. 2,199,436; May 7.
Le Blond, R. K., Machine Tool Company, The. (See Groene, William F. and W. L., assignors.)
Lee, Moses G., Cuthbert, Ga. Ventilating building structure. 2,200,031; May 7.
Lee, Paul R., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermostat. 2,199,638; May 7.
Lee, Paul R., and E. K. Clark, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Load limiting means for an electrical system. 2,199,639; May 7.
Leeds & Northrup Company. (See Tarpley, Raymond E., assignor.)
Legg, Walter T., Electric Mills, Miss. Fishing rod holder. 2,200,183; May 7.
Lehman, Frank B., Plainfield, N. J. Revolving reflector light. 2,200,067; May 7.
Lehon Company, The. (See Eichhorn, Frank G., assignor.)
Leishman, Le Roy J., Los Angeles, Calif. Transmission for automatic tuners. 2,200,003; May 7.
Leitz, Ernst, G. m. b. H. (See Leitz, E., Jr., and Noack, assignors.)
Leitz, Ernst, Jr., and R. Noack, assignors to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Adjusting device for adjacent parts of machinery. 2,199,802; May 7.
Le Mat, Raoul, Stockholm, Sweden. Baseball glove. 2,200,204; May 7.
Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,199,640; May 7.
Lennon, Robert J., East Moline, Ill. Gun mount. 2,199,410; May 7.
Lessmann, Gerhard P., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Terminal outlet for industrial furnaces. 2,200,115; May 7.
Léval, Julius, Budapest, Hungary. Chain link bar. 2,199,500; May 7.
Levers, James F. (See Finlayson, D., and Levers.)
Levin, David E., Brooklyn, and J. W. McGee, Manhasset, N. Y., assignors to Jodel Inc. Shoe construction. 2,200,068; May 7.
Levy, Sydney J. (See Berry, Reni S., assignor.)
Lewis, Carroll E., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,200,215; May 7.
Lewis, Everett V., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial structure and producing same. 2,199,411; May 7.
Lewis Invincible Stitch Machine Company. (See Mueller, Charles W., assignor.)
Lewis, John T., U. S. Army, Rockford, Ill., and G. W. Trichel, U. S. Army, Philadelphia, Pa. Director. 2,200,130; May 7.
Liebig Products Co. (See Brownstein, Louis, assignor.)
Light, Donald W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Resin bonded electric resistor. 2,199,803; May 7.
Limbach, Henry C., assignor to Product Development Quest, Inc., Detroit, Mich. Lawn mower. 2,199,919; May 7.
Lindstrom, Ture, Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit controlling device. 2,199,641; May 7.
Linotype Parts Company. (See Cook, Cleo E., assignor.)
Lippincott, Stanley S. (See Bohmer, H., Jr., and Lippincott.)
Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)
Lockwood, Edwin J. (See Maguire, W. R., and Lockwood.)
Loewenberg, Kurt, and K. Smeykal, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-main, Germany. Production of high-molecular unsaturated ketones and conversion products thereof. 2,200,216; May 7.
Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,199,543; May 7.
Long, Charles J., E. J. Johnson, and N. Swindells, New London, Conn., assignors to Celanese Corporation of America. Weaving device. 2,199,437; May 7.
Long, Richard G., and W. D. French, assignors of one-fourth to A. H. Bosworth and one-fourth to R. B. McGaughey, Denver, Colo. Washing venetian blinds. 2,199,747; May 7.
L'Orange, Prosper, deceased, Stuttgart-Feuerbach, Germany; R. L'Orange, executor. Continuously variable change-speed gear. 2,200,131; May 7.
L'Orange, Rudolf, executor. (See L'Orange, Prosper.)
Loughlin, William D., Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tuned transmission circuits. 2,199,669; May 7.
Lovelace, Cleo, Aberdeen, Wash. Food cutting and pressing machine. 2,200,032; May 7.
Lovell, William E. (See Dahl, James T., assignor.)
Penrod, Edward L., Detroit, Mich. Powder container and dispenser. 2,199,754; May 7.
Lowry, Thomas K., assignor to Darling & Company, Chicago, Ill. Apparatus for rendering and extraction. 2,199,670; May 7.
Lube, Herbert A., and C. K. Black, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Spirit printing inks and making same. 2,200,069; May 7.
Lubszynski, Hans G., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device. 2,199,438; May 7.
Luce, Albert L., Fort Valley, Ga. Structural steel vehicle body. 2,199,886; May 7.
Lund, Albert A., New York, N. Y. Preparing grained confections. 2,199,887; May 7.
Lund, James K., assignor to The Dole Valve Company, Chicago, Ill. Valve. 2,199,439; May 7.
Lyon, George A., Allenhurst, N. J. Wheel disk and wheel assembly. 2,199,888; May 7.
Lyon, George A., Allenhurst, N. J. Wheel hub cap structure. 2,199,889; May 7.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,199,890; May 7.
Lyon, George A., Allenhurst, N. J. Wheel structure and assembly. 2,200,205; May 7.
Lytle, Arthur R., and T. H. Vaughn, Niagara Falls, N. Y., assignors to Oxweld Acetylene Company. Coated welding rod. 2,199,440; May 7.
Maby, Adelbert C., et al., executors. (See Peirce, J. R., and Torkelson.)
MacBlane, James, Elmira Heights, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Safety device for punch presses. 2,199,501; May 7.
MacFarlane, James C. and W. A., Cathcart, Glasgow, Scotland. Electric rotary converting system. 2,199,441; May 7.
MacFarlane, William A. (See MacFarlane, James C. and W. A.)
Maddock, Robert H., Lakewood, assignor to The Midland Steel Products Company, Cleveland, Ohio. Making axle housings. 2,199,502; May 7.
Madison, Martin J., Philadelphia, Pa. Combined alarm clock and switch. 2,200,092; May 7.
Magnus Chemical Company. (See Mitchell, Robert W., assignor.)
Maguire, Walter, Inc. (See Maguire, W. R., and Lockwood, assignors.)
Maguire, Walter R., Manhasset, and E. J. Lockwood, Peekskill, assignors to Walter Maguire Company, Inc., New York, N. Y. Case conveyer. 2,200,116; May 7.
Maida, Gaetano, Jr., New York, N. Y. Alarm lock. 2,199,671; May 7.
Mairs, Thomas, Tacoma, Wash. Auxiliary fireplace heater. 2,199,836; May 7.
Mallory, Marion, Detroit, Mich. Internal combustion engine. 2,199,706; May 7.
Mallory, P. R., & Co. (See Hensel, F. R., Emmert, and Wiggs, assignors.)
Malmros, Gustav V. A., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,199,544; May 7.
Mandl, Sigmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Straightening out deformed automobile bodies and the like. 2,200,133; May 7.

Mandle, Henry H., Closter, N. J., assignor, by mesne assignments, to United States Metal Powders, Inc., Baltimore, Md. Machine for polishing metal powders. 2,199,707; May 7.

Maninger, Sylvester V., Wichita, assignor of one-half to R. Reida, Harper, Kans. Sickle device. 2,199,642; May 7.

Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Water cooled capacitor. 2,200,094; May 7.

Marsak, Bernard, Laurelton, Long Island, N. Y. Vacuum breaker. 2,200,033; May 7.

Marden, John W., East Orange, and M. G. Nicholson, Jr., South Orange, N. J., assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Mercury vapor glow lamp. 2,199,956; May 7.

Martellotti, Mario E., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Pattern controlled milling machine. 2,199,465; May 7.

Martin, Michael A., Erie, Pa. Beer cooling system and apparatus. 2,199,503; May 7.

Martin, Michael J., Armadale, Victoria, Australia. Rapid sand filter. 2,199,891; May 7.

Martin, Paul N., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,199,957; May 7.

Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner nozzle and adjustable brush therefor. 2,199,643; May 7.

Martini, Hans. (See Dierichs, A., and Martini.)

Marton, Ladislaus, Collingswood, N. J., assignor to Radio Corporation of America. Photographic device for vacuum apparatus. 2,200,095; May 7.

Marty, John M., Parma, Ohio. Apparatus for food preparation. 2,199,504; May 7.

Marzoli, Andrew, Union City, N. J. Admixture for concrete or cement. 2,199,920; May 7.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,199,921; May 7.

Mather, Ewart, and W. E. Hamer, Wrexham, Wales, assignors to Monsanto Chemicals Limited, London, England. Production of alkoxy-hydroxy-benzaldehydes. 2,199,748; May 7.

Matlock, Caswell C., and B. Baldwin, Los Angeles, Calif. Fluid pressure operated engine. 2,199,644; May 7.

Matthes, Archer L., Youngstown, Ohio. Vitreous enameled article. 2,199,804; May 7.

Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)

Maxfield, Daniel E., assignor to Stokes and Smith Company, Philadelphia, Pa. Method of and apparatus for feeding web material. 2,199,708; May 7.

Mayonnade, Henriette, and C. W. Hine, assignors to I. Newman & Sons, Inc., New Haven, Conn. Foundation garment. 2,199,442; May 7.

Mazurie, Harry R., Pittsburgh, Pa., assignor to National Tube Company. Protector for tubular objects. 2,199,749; May 7.

Mazzella, Antonio, assignor of one-half to P. J. Murray, Toronto, Ohio. Hoisting sling. 2,199,958; May 7.

McCollum, Henry J. De N., Evanston, Ill. Automobile heater. 2,200,232; May 7.

McComas, Charles F. (See Taylor, T. A., and McComas.)

McCowen, John L., Baline, Ballybrack, County Dublin, Ireland, assignor to Imperial Chemical Industries Limited. Electromagnetic material. 2,199,526; May 7.

McDermott, Henry J. (See Allen, G. M., McDermott, and Pedlow.)

McDonald, Allen W., et al. (See Buchet, Conrad R., assignor.)

McGaughey, Robert B., et al. (See Long, R. G., and French, assignors.)

McGee, Joseph W. (See Levin, D. E., and McGee.)

McGehee, Ira E., Houston, Tex. Timing device. 2,199,645; May 7.

McGehee, Ira E., and L. W. Krall, Houston, Tex. Parking meter. 2,199,646; May 7.

McGrath, William L., and M. P. Whitney, Elmira, N. Y., assignors, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,199,505; May 7.

McIntire, James E., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Trimming machine. 2,199,506; May 7.

McLaughlin, F. L. (See Burke, James P., assignor.)

McManis, Elbert A., and W. S. Uhler, Baltimore, Md. Toothbrush. 2,199,922; May 7.

McNally, James G. (See Dickey, J. B., and McNally.)

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and coloring therewith. 2,200,004; May 7.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo dye compounds and material colored therewith. 2,200,005; May 7.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,200,006; May 7.

McNeal, Daniel R., Abington, assignor to Andale Company, Philadelphia, Pa. Straining equipment. 2,199,709; May 7.

McNeil, James W., assignor of one-half to P. Thorsen, Hoboken, N. J. Pipe wrench. 2,200,093; May 7.

McRaven, Charles H., Houston, Tex. Pneumatic tire. 2,199,466; May 7.

Meier, Konrad, Guttenberg, N. J., assignor to H. Darista, New York, N. Y. Mechanical movement for chenille, embroidery, and other machines. 2,199,805; May 7.

Meinchke, A. M., & Son, Inc. (See Meincke, Howard D., assignor.)

Meincke, Howard D., Glencoe, assignor to A. M. Meincke & Son, Inc., Chicago, Ill. Making paper. 2,199,750; May 7.

Mende, Arthur. (See Kuppenbender, H., Fischer, Henkel, Peters, and Mende.)

Merrill, Albert D., Watertown, N. Y. Method and apparatus for digesting cellulosic materials. 2,200,034; May 7.

Merrill, Ralph K. (See Boogaard, J. V., and Merrill.)

Merritt, Ralph E., Liberty, assignor to Physicians Appliance Company, Kansas City, Mo. Truss. 2,200,217; May 7.

Mertes, Clarence N. (See Knable, O. A., and Mertes.)

Metal Tape Company. (See Wolfe, Ernest E., assignor.)

Metals & Controls Corporation. (See Bolesky, John D., assignor.)

Metcalf, Charles N., Hartsdale, assignor to Consolidated Edison Company of New York, Inc., New York, N. Y. Power transmission cable. 2,199,892; May 7.

Meyer, Elsie, Los Angeles, Calif. Food chopper. 2,200,035; May 7.

Mick, Ira S., Cleveland, Ohio. Dumping conveyance. 2,199,507; May 7.

Midland Steel Products Company, The. (See Maddock, Robert H., assignor.)

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Focusing adapter. 2,200,007; May 7.

Milbank, Vinton K., Scarsdale, N. Y. Dispensing device. 2,220,117; May 7.

Millard, Loren D., assignor to Murray Iron Works, Burlington, Iowa. Turbine. 2,199,595; May 7.

Miller, Carl W., Beaver Falls, assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Car construction. 2,199,545; May 7.

Miller, Melville A., Chicago, Ill. Phonograph needle. 2,199,923; May 7.

Miller, Wayland R., Nashotah, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,200,118; May 7.

Minneapolis-Honeywell Regulator Company. (See Cunningham, Lewis L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Hartig, Henry E., assignor.)

Minneapolis-Honeywell Regulator Company. (See Larson, John M., assignor.)

Minneapolis-Honeywell Regulator Company. (See Miller, Wayland R., assignor.)

Minneapolis-Honeywell Regulator Company. (See Nelson, Alfred H., assignor.)

Mitchell, Harry W., Shaker Heights, assignor to Mitchell Metal Products, Inc., Cleveland, Ohio. Combination oil salvage and refuse container and display rack. 2,199,970; May 7.

Mitchell Metal Products, Inc. (See Mitchell, Harry W., assignor.)

Mitchell, Robert W., Westfield, assignor to Magnus Chemical Company, Garwood, N. J. Wetting, cleaning and emulsifying agent. 2,199,806; May 7.

Monarch Governor Company. (See Jennings, Jarvis S., Jr., assignor.)

Monarch Governor Company. (See Sarnes, Lowell F., assignor.)

Monroe Calculating Machine Company. (See Fleming, Howard M., assignor.)

Monsanto Chemical Company. (See Beaver, David J., assignor.)

Monsanto Chemicals Limited. (See Mather, E., and Hamer, assignors.)

Monsanto Chemical Company. (See Parkhurst, Frederic A., assignor.)

Moreira, Francisco E. de G., S. Paulo, Brazil. Glass tube cutter. 2,199,807; May 7.

Morgan, Willard L., Edgewood, R. I., assignor to American Maize-Products Company. Antifreeze composition. 2,200,184; May 7.

Moriarty, Charles D., Schenectady, N. Y., assignor to General Electric Company. Stereoscopic apparatus. 2,199,959; May 7.

Morse, Robert V., Ithaca, N. Y. Belt drive. 2,199,560; May 7.

Moses, Graham L. (See Austin, B. O., and Moses.)

Mountjoy, Garrard, Manhasset, N. Y., assignor to Radio Corporation of America. Noise limiting circuit. 2,200,036; May 7.

Mountjoy, Garrard, Manhasset, and E. W. Wilby, Westerleigh, Staten Island, N. Y., assignors to Radio Corporation of America. Automatic volume control circuit. 2,200,037; May 7.

Mountjoy, Garrard, Manhasset, and C. W. Finnigan, Forest Hills, Long Island, N. Y., assignors to Radio Corporation of America. Automatic frequency control circuit. 2,200,038; May 7.

Moyle, Clarence L. (See Britton, E. C., and Moyle.)

Mueller, Carl M. (See Seel, J. L., and Mueller.)

Mueller Co. (See Mueller, F. H., Bowan, and Fawley, assignors.)

Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Automatic tension release for blind stitch sewing machines. 2,199,751; May 7.

Mueller, Erich O., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Enclosure for railway motors. 2,200,119; May 7.

Mueller, Frank H., W. J. Bowan, and E. H. Fawley, assignors to Mueller Co., Decatur, Ill. Pipe connection and sealing member. 2,199,647; May 7.

Muir, L. R., et al. (See Shannon, Charles R., assignor.)

Mullins Manufacturing Corporation. (See French, J. W., Andre, and Teachout, assignors.)

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,200,185; May 7.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Dry shaving implement. 2,200,186; May 7.

Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Catalyst regeneration. 2,199,837; May 7.

Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)

Murray Corporation of America, The. (See Jarosik, Andrew J., assignor.)

Murray Corporation of America. (See Widman, Charles H., assignor.)

Murray Iron Works Company. (See Millard, Loren D., assignor.)

Murray, P. J. (See Mazzella, Antonio, assignor.)

Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Composition of matter and making same. 2,199,710; May 7.

Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Composition of matter and making same. 2,199,711; May 7.

Myers, Raymond M., Trenton, N. J. Educational device. 2,200,206; May 7.

Naamlooze Vennootschap Chemische Fabriek L. van du Grinten. (See Sanders, T. P. W., and van Rensen, assignors.)

Naamlooze Vennootschap Industrieels Maatschappij Voorhen Noury & Van Der Lande. (See Staudt, Erich, assignor.)

Naamlooze Vennootschap Yzerhandel I. M. De Vries. (See Clarke, Frederick A., assignor.)

Nace, Allen S., assignor to The Radiart Corporation, East Cleveland, Ohio. Vibrator. 2,199,508; May 7.

Nash-Kelvinator Corporation. (See Doeg, Ralph W., assignor.)

Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

National Cash Register Company, The. (See Sheeler, H. E., and Engelauf, assignors.)

National Oil Products Company. (See Segessemann, Ernest, assignor.)

National Tube Company. (See Mazurie, Harry R., assignor.)

Nauth, Walter W., Winona, Minn. Fracture nail guide. 2,200,120; May 7.

Neilson, Howard R., Detroit, Mich. Cleaning and preparing metal for paint. 2,199,712; May 7.

Nelson, Alfred H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gas valve. 2,200,187; May 7.

Newitt, Dudley M. (See Bone, W. A., and Newitt.)

Newman, I., & Sons, Inc. (See Mayonnade, H., and Hine, assignors.)

Nicoll, Frederick H., Ickenham, assignor to Electric & Musical Industries Limited, Middlesex, England. Permanent magnet device for producing axially symmetrical magnetic fields. 2,200,039; May 7.

Nichols, Harry J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Synchronous communication system. 2,199,546; May 7.

Nicholson, Frank H., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,200,188; May 7.

Nicholson, Madison G., Jr. (See Marden, J. W., and Nicholson.)

Nirosta Corporation, The. (See Strauss, Benno, assignor.)

Noack, Rudolf. (See Leitz, E., Jr., and Noack.)

Normington, James B. (See Dickey, J. B., and Normington.)

Norton Company. (See Indge, Herbert S., assignor.)

Norton, Oscar J. and W. L., Danville, Va. Centering apparatus. 2,199,893; May 7.

Norton, Willie L. (See Norton, Oscar J. and W. L.)

Nowak, John J., Buffalo, N. Y. Therapeutic apparatus for vapor treatment of the ear. 2,200,008; May 7.

Nuttall, Thomas C., London, assignor to Baird Television Limited, Lower Sydenham, London, England. Television and like receiver. 2,200,009; May 7.

Nyberg, Stone, Dover, Ohio, assignor to A. J. Reeves Greer, Morgantown, W. Va. Mandrel attachment for pickling machines. 2,199,412; May 7.

Oglesby, Nicholas E., assignor to Behr-Manning Corporation, Troy, N. Y. Coated abrasive. 2,199,752; May 7.

O'Hagan, Bernard E. (See Hines, C. M., and O'Hagan.)

Ohntrup, Robert F., assignor to Tompkin's Label Service, Philadelphia, Pa. Web-feeding and end-gumming machine. 2,199,753; May 7.

O'Lena, Louis A., Forest Hills, N. Y. Broom reinforcer. 2,200,121; May 7.

Olin, Floyd W., Hapeville, Ga., assignor to Oswego Falls Corporation, Fulton, N. Y. Apparatus for dispensing heavy liquids. 2,200,189; May 7.

Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Method and means for fastening. 2,200,227; May 7.

Olson, Elmer, assignor to M. E. Chandler, Detroit, Mich. Carburetor accelerating means. 2,199,509; May 7.

Orem, Frederick S., Baltimore, Md. Backfire safety device. 2,200,010; May 7.

Osgood, Walter P., Malden, Mass. Pleating machine. 2,199,808; May 7.

Ostline, John E., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Relay. 2,199,570; May 7.

Osuch, Stanley P. (See Zaremba, V. F., and Osuch.)

Oswego Falls Corporation. (See Olin, Floyd W., assignor.)

Ott, William N., Newark, N. J. Power-driven impulsing mechanism. 2,199,443; May 7.

Otto, Carl, Essen, Germany, assignor to Fuel Refining Corporation, Dover, Del. Coke oven reinforcing means. 2,199,510; May 7.

Otto-Wilputte Ovenbouw Mij. (Otto-Wilputte Oven Construction Company) N. V. (See Stäckel, Walter, assignor.)

Overson, Frank L., Milwaukee, Wis. Sight feed control of water softening treatment for boilers. 2,199,728; May 7.

Overstrom, Conrad. (See Overstrom, Gustave A., G., and C.)

Overstrom, George. (See Overstrom, Gustave A., G., and C.)

Overstrom, Gustave A. and G., Eagle Rock, and C. Overstrom, Pasadena, Calif. Screen stretching structure. 2,199,596; May 7.

Oxweld Acetylene Company. (See Lytle, A. R., and Vaughn, assignors.)

Pacific Coast Forge Company. (See Pigott, Robert I., assignor.)

Pacific National Bank of Seattle, The. (See Sanders, John C., assignor.)

Packard Motor Car Company. (See Best, Frank C., assignor.)

Packless Metal Products Corporation. (See Guarnaschelli, Stephen, assignor.)

Page, Albert E., Brooklyn, and H. Swinglehurst, Jr., Wantagh, N. Y., assignors to Scott & Williams, Incorporated, Laconia, N. H. Circular knitting machine. 2,200,207; May 7.

Page, John. (See Camp, T. P., and Page.)

Palmer, William E., Sturtevant, Wis. Railroad switch heater. 2,199,960; May 7.

Park, Tracy S. (See Bowles, William V., assignor.)

Parkhurst, Frederic A., Suffield, Conn., assignor to Monsanto Chemical Company, St. Louis, Mo. Machine for slitting and trimming plastic webs. 2,199,648; May 7.

Parsons, James A., Jr., assignor to The Duriron Company, Inc., Dayton, Ohio. Corrosion-resisting ferrous alloy. 2,200,208; May 7.

Partridge, John H., Middlesex County, England, assignor to General Electric Company. Refractory glass. 2,199,856; May 7.

Patrignani, Leonida, Paris, France, assignor, by mesne assignments, to Caladon Corporation, Boston, Mass. Refrigerating unit. 2,199,413; May 7.

Patrignani, Leonida, Paris, France, assignor, by mesne assignments, to Caladon Corporation, Boston, Mass. Compressor unit for refrigeration and other applications. 2,199,414; May 7.

Paul, Joseph N., Fort Wayne, Ind., assignor, by mesne assignments, to Automatic Signal Corporation, East Norwalk, Conn. Traffic signal. 2,199,572; May 7.

Paul, Joseph N., Fort Wayne, Ind., assignor, by mesne assignments, to Automatic Signal Corporation, East Norwalk, Conn. Traffic signal. 2,199,573; May 7.

Paul, Joseph N., Fort Wayne, Ind., assignor, by mesne assignments, to Automatic Signal Corporation, East Norwalk, Conn. Traffic signal system. 2,199,574; May 7.

Paulson, Walter A., Brooklawn, N. J. Thermostatic control device. 2,199,416; May 7.

Pavitt, William H., deceased, Bronxville, N. Y., assignor to A. J. Wilputte, New Rochelle, N. Y.; L. Wilputte, executor. Coke oven fuel distribution. 2,199,961; May 7.

Pedlow, John W. (See Allen, G. M., McDermott, and Pedlow.)

Peirce, John R., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Record perforating device. 2,199,547; May 7.

Peirce, John R., deceased, New York, by A. C. Maby, Jamaica, and T. A. Gavin, Binghamton, executors, and T. E. Torkelson, Baldwin, assignors to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,199,548; May 7.

Pell, Sheldon. (See Di Mauro, Mauro, assignor.)

Perugia, Andre, Paris, France. Footwear. 2,199,713; May 7.
Perry, Harold, Stone, and A. W. Grotefeld, Stafford, assignors to Gilt Edge Safety Glass Limited, Stone, England. Process and apparatus for tempering glass. 2,199,511; May 7.
Peters and Russell, Inc. (See Russell, L. E., and Peters, assignors.)
Peters, George E. (See Russell, L. E., and Peters.)
Peters, Ottomar. (See Kuppenbender, H., Fischer, Henkel, Peters, and Mende.)
Peterson, Albert C., assignor to Union Special Machine Company, Chicago, Ill. Apparatus for determining acceleration of a machine or the like. 2,199,672; May 7.
Peterson, Clarence J., Oildale, Calif. Pulverizer. 2,199,729; May 7.
Pfaehler, Kurt. (See Engel, K., and Pfaehler.)
Phelps, Hubert, Little Rock, Ark. Double door on pneumatic unloaders. 2,199,894; May 7.
Phelps, William D., Merchantville, N. J., assignor to Radio Corporation of America. Signal translating apparatus. 2,200,097; May 7.
Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,199,415; May 7.
Physicians Appliance Company. (See Merritt, Ralph E., assignor.)
Pigott, Robert I., assignor to Pacific Coast Forge Company, Seattle, Wash. Bolt head construction. 2,199,809; May 7.
Pilley, Frank E., Sioux City, Iowa. Air circulator and temperature regulator. 2,200,098; May 7.
Pines, Herman. (See Ipatieff, V. N., and Pines.)
Pintsch, Julius, Kommandit-Gesellschaft. (See Dallenbach, Walter, assignor.)
Pintsch, Julius, Kommanditgesellschaft. (See von Schütz, F., and Vogée, assignors.)
Pipkin, Marvin, Cleveland Heights, Ohio, assignor to General Electric Company. Flash lamp. 2,199,857; May 7.
Pirani, Marcello. (See Alterthum, H., and Pirani.)
Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Thermostatic control. 2,199,730; May 7.
Pittsburgh Coal Carbonization Company. (See Archer, A. A., and Zimmerman, assignors.)
Pittsburgh Pipe & Coupling Company. (See Lamond, John, assignor.)
Pittsburgh Plate Glass Company. (See Muskat, Irving E., assignor.)
Plouvier, Paul J., Montreuil-sous-Bois, France. Playing apparatus. 2,200,190; May 7.
Poulter, John W., assignor to Koehring Company, Milwaukee, Wis. Compaction machine. 2,199,649; May 7.
Prentice, Pierrepont I., Pelham Manor, N. Y., assignor to Time, Inc., New York, N. Y. Envelope. 2,200,099; May 7.
Pressed Steel Car Company. (See Anderson, John P., assignor.)
Pressed Steel Car Company. (See Miller, Carl W., assignor.)
Price, George E., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heater unit. 2,199,650; May 7.
Product Development Quest, Inc. (See Limbach, Henry C., assignor.)
Propper, Clayton H. (See Beckwith, G. R., and Propper.)
Prosperity Company, The. (See Zimarik, Louis, assignor.)
Pryne, Ralph, Los Angeles, Calif. Cabinet. 2,199,731; May 7.
Purves, Andrew, Holyoke, Mass. Making a fourdrinier wire. 2,199,417; May 7.
Putterman, Benjamin, Brooklyn, N. Y., and D. E. Reed, assignors to Yankee Metal Products Corp., Norwalk, Conn. Electric switch. 2,200,218; May 7.
Pyridium Corporation. (See Renshaw, R. R., and Dreisbach, assignors.)
Pyron, Walter R., Comfort, Tex. Seeder attachment for disk harrows. 2,199,755; May 7.
Quick, Roy T., assignor to G. H. Werfelman, Los Angeles, Calif. Sewer sweep. 2,199,651; May 7.
Rabenda, Edward J. (See Harrison, L. S., and Rabenda.)
Racicot, William E., New York, N. Y. Hanger for punching bags. 2,199,858; May 7.
Radiart Corporation, The. (See Nace, Allen S., assignor.)
Radio Corporation of America. (See Ackley, Thomas, assignor.)
Radio Corporation of America. (See Alburger, James R., assignor.)
Radio Corporation of America. (See Allen, H. C., and Grundmann, assignors.)
Radio Corporation of America. (See Baker, Judd O., assignor.)
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Burnett, Carlos E., assignor.)
Radio Corporation of America. (See Cooper, Donald T., assignor.)
Radio Corporation of America. (See Dimmick, Glenn L., assignor.)
Radio Corporation of America. (See Groeneveld, Ymе B. F. J., assignor.)
Radio Corporation of America. (See Horkheimer, Rolf, assignor.)
Radio Corporation of America. (See Kellogg, Edward W., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Loughlin, William D., assignor.)
Radio Corporation of America. (See Marton, Ladislaus, assignor.)
Radio Corporation of America. (See Mountjoy, Garrard, assignor.)
Radio Corporation of America. (See Mountjoy, G., and Finnigan, assignors.)
Radio Corporation of America. (See Mountjoy, G., and Wilby, assignors.)
Radio Corporation of America. (See Phelps, William D., assignor.)
Radio Corporation of America. (See Sachtleben, Lawrence T., assignor.)
Radio Corporation of America. (See van Loon, Carel, assignor.)
Randolph, Nathaniel B., Ladue, Mo., assignor to Granite City Steel Company, Inc., Granite City, Ill. Sheet metal roofing. 2,199,924; May 7.
Rathborne, Hair & Ridgway Co. (See Dietrick, John J., assignor.)
Rauglas, Gerard, Great Kills, N. Y. Ski binding. 2,199,444; May 7.
Rawlins, Herbert L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupting device. 2,200,122; May 7.
Reconstruction Finance Corporation. (See Kent, William R., assignor.)
Reconstruction Finance Corporation. (See Visser, John, assignor.)
Redmond, John C., and R. W. Hodil, Youngstown, Ohio. Surface treatment of metals. 2,199,418; May 7.
Reed, Daniel E. (See Putterman, B., and Reed.)
Reichel, Carl W., Sacramento, Calif. Sanding block. 2,199,962; May 7.
Reid, Charles L., Schenectady, assignor to American Locomotive Company, New York, N. Y. Railway vehicle draft gear-coupler structure. 2,200,219; May 7.
Reida, Richard. (See Maninger, Sylvester V., assignor.)
Renfrew, Archibald, and W. E. F. Gates, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Manufacture of laminated sheets. 2,199,597; May 7.
Renshaw, Raemer, R., New York, and P. F. Dreisbach, Yonkers, assignors to Pyridium Corporation, Nepera Park, N. Y. Esters of 6-amino-nicotinic acid. 2,199,839; May 7.
Reppe, Walter, and H. Ufer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. N-substituted asparatic acids and their functional derivatives and producing them. 2,200,220; May 7.
Ricard, Eugene E., Ponchatoula, La. Automobile stop signal. 2,199,756; May 7.
Ricci, James J. (See De Sipio, A. T., Bongiovanni, and Ricci.)
Richter, Clarence M., Syracuse, N. Y. Device for enabling cleaning of vacuum cleaner dust bags. 2,199,859; May 7.
Riley, John P., assignor to S. Karpen & Bros., Chicago, Ill. Mattress. 2,200,011; May 7.
Rio, Clarence J., Tyler, Pa. Shoelace fastener. 2,199,758; Robbins, Max, Chicago, Ill., assignor to American Smelting and Refining Company, New York, N. Y. Casting apparatus. 2,199,598; May 7.
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Toe-trimming machine. 2,199,512; May 7.
Rockwell-Barnes Company. (See Salsman, Thomas J., assignor.)
Roedels, George D., New York, N. Y., assignor to Bell Punch Company, Ltd., London, England. Admission ticket checking and dispensing apparatus. 2,200,123; May 7.
Rogers, James C. and J. F., Rocky River, Ohio. Weather strip device. 2,199,860; May 7.
Rogers, James F. (See Rogers, James C. and J. F.)
Rohde, Lothar, Munich, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. High-frequency voltmeter for high voltages. 2,199,757; May 7.
Rohland, Werner. (See Koeberle, K., Rohland, and Steigerwald.)
Romberger, Arthur V., South Pasadena, Calif. Foot pedal assembly. 2,199,963; May 7.
Ronning, Adolph, Minneapolis, Minn. Drain. 2,199,673; May 7.
Ronning, Adolph, Minneapolis, Minn. Cultivator. 2,199,674; May 7.
Ronning, Adolph, Minneapolis, Minn. Drain. 2,199,675; May 7.
Rook, Albert F., Springfield, N. Y. Stopper. 2,199,964;

Roos, Hans, Leverkusen-I. G. Werk, Germany, assignor to General Aniline & Film Corporation. Azo dyestuffs. 2,200,040; May 7.
Rosaire, Esme E., and S. S. West, Houston, Tex.; said West assignor to said Rosaire. Geophysical exploration by time-variant electric currents. 2,200,096; May 7.
Rösch, Georg, Cologne-Deutz, Germany, assignor to General Aniline & Film Corporation. Benzanthrone derivatives. 2,199,575; May 7.
Rose, William O., Wyandotte, Mich. Starter drive. 2,199,714; May 7.
Rosenberg, Bernard, Peekskill, assignor to Cameo Curtains, Inc., New York, N. Y. Crisscross curtain assembly. 2,200,041; May 7.
Ross, Joseph. (See Horn, M., and Ross.)
Rossander, Swanie S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Selective reduction of azo compounds. 2,199,576; May 7.
Rotary Snow Plowe Company. (See Garland M., and (Greer, assignor).)
Rothberg, Pincus. (See Waring, Olaf L., assignor.)
Royall, Ralph, New York, N. Y. Heating system. 2,199,840; May 7.
Ruben, Samuel, New Rochelle, N. Y. Electrolytic condenser and preparing etched electrodes therefor. 2,199,445; May 7.
Ruben, Samuel, New Rochelle, N. Y. Electrolytic condenser. 2,199,446; May 7.
Ruben, Samuel, New Rochelle, N. Y. Electrolytic condenser. 2,199,447; May 7.
Russell, Linus E., and G. E. Peters, assignors to Peters and Russell, Inc., Springfield, Ohio. Pneumatic pump. 2,200,012; May 7.
Ruthardt, Konrad. (See Allwarter, M., and Ruthardt.)
Sachtleben, Lawrence T., Camden, N. J., assignor to Radio Corporation of America. Bottle inspecting device. 2,200,100; May 7.
Safety Belt Lacer Company. (See Briggs, O. B., and Lamb, assignors.)
Sageb, Société Anonyme de Gestion et d'Exploitation de brevets. (See Denoix, Paul E. J., assignor.)
Saleh, Gabriel E. R., assignor of one-tenth to C. P. Goepel, New York, N. Y. Treating hydrocarbon mixtures. 2,199,841; May 7.
Salsman, Thomas J., assignor to Rockwell-Barnes Company, Chicago, Ill. Paper package. 2,199,676; May 7.
Salz, Jacque A., New York, N. Y. Tubular article and making the same. 2,200,042; May 7.
Sandberg, Arthur F., Jamaica, N. Y. Liquid level alarm. 2,199,677; May 7.
Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever. 2,199,448; May 7.
Sanders, John C., assignor, by mesne assignments, The Pacific National Bank of Seattle, Seattle, Wash. Aircraft gun mount and swingable enclosure therefor. 2,199,971; May 7.
Sanders, Theodorus P. W., and J. van Rensen, assignors to Naamlooze Vennootschap Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Improving the stability of alkaline solutions of phenolic azo dyestuff components. 2,199,925; May 7.
Sands, Garry. (See Sands, Hillard J., assignor.)
Sands, Hillard J., assignor to G. Sands, Cleveland, Ohio. Relief valve. 2,200,124; May 7.
Sanford, Roy S., New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Vehicle control mechanism. 2,200,013; May 7.
Sarnes, Lowell F., assignor to Monarch Governor Company, Detroit, Mich. Spark control device. 2,200,043; May 7.
Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Transmission mechanism. 2,199,678; May 7.
Saunders, Philip K., Cwmbran, England. Fluid controlling valve. 2,199,549; May 7.
Saunders, Walter S., assignor to The American Forging and Socket Company, Pontiac, Mich. Automobile hood latch. 2,199,467; May 7.
Saunders, Walter S., assignor to The American Forging and Socket Company, Pontiac, Mich. Automobile hood latch. 2,199,468; May 7.
Sauer, George. (See Hacklander, H., and Sauer.)
Sauer, Hans, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Filter for the photography and projection of colored pictures. 2,199,715; May 7.
Scheibell, Gordon B., deceased, Millburn, N. J.; W. O. Scheibell, administrator. Camera magazine ejector. 2,199,419; May 7.
Scheibell, William O., administrator. (See Scheibell, Gordon B.)
Schlack, Paul, Berlin-Treptow, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing shrinkage effects in textiles. 2,200,134; May 7.
Schlack, Paul, Berlin-Treptow, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing crepe effects in textiles. 2,200,135; May 7.
Schlums, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Drawing mechanism. 2,199,842; May 7.
Schmidt, Karl, Cologne-Mulheim, Germany, assignor to General Aniline & Film Corporation. Triarylmethane dyestuffs. 2,199,577; May 7.
Schmidt, Ulrich, assignor to the firm of Carl Zeiss, Jena, Germany. Reflecting system having two plane reflecting surfaces. 2,199,843; May 7.
Schmidtke, Albert H., St. Joseph, Mich., assignor, by mesne assignments, to The Greif Bros. Cooperage Corporation, Cleveland, Ohio. Stapling machine. 2,199,679; May 7.
Schmitter, Walter P., Milwaukee, Wis., assignor to R. L. Woodhouse, Melbourne, Victoria, Australia. Variable speed transmission. 2,200,101; May 7.
Schnetzler, Harry G., Neodesha, Kans., assignor to Standard Oil Company, Chicago, Ill. Manufacture of coke. 2,199,759; May 7.
Schönfeld, Paul, Chemnitz, Germany. Production of warp knitted fabrics. 2,199,449; May 7.
Schofield, Frank M. (See Henke, C. O., and Schofield.)
Schuetz, Clyde C., assignor to United States Gypsum Company, Chicago, Ill. Roofing. 2,199,760; May 7.
Schumacher, Otto, Newark, N. J. Cylinder refinishing machine debris discharger. 2,199,652; May 7.
Schuster, Fritz, Chemnitz, Germany. Drying stockings. 2,200,191; May 7.
Schwechten, Heinz-Werner. (See Baumann, F., Krause, Schechten, and Zell.)
Schweich, Joseph H., Clayton, Mo. Garment. 2,199,578; May 7.
Schweitzer & Conrad, Inc. (See Triplett, Hugh A., assignor.)
Scott-Snell, Charles, Kingsbridge, Devon, assignor of one-half to M. L. Davys, London, England. Promoting combustion in oil burning appliances. 2,199,826; May 7.
Scott & Williams, Incorporated. (See Page, A. E., and Swinglehurst, assignors.)
Scott & Williams, Incorporated. (See Sheppard, Harry N., assignor.)
Scovill Manufacturing Company. (See Duncan, James F., assignor.)
Sears, Roebuck & Co. (See Booty, Kelvin H., assignor.)
Sebell, Harry, Boston, Mass., assignor, by mesne assignments, to Crown Can Company, Philadelphia, Pa. Can. 2,199,527; May 7.
Sebell, Harry, Boston, Mass., assignor, by mesne assignments, to Crown Can Company, Philadelphia, Pa. Making container closures. 2,199,528; May 7.
Sebrean, Frank W., and M. A. Jardine, Seattle, Wash. Antifriction fishing rod tip. 2,199,861; May 7.
Seel, Jack L., and C. M. Mueller, assignors to Brown & Bigelow, St. Paul, Minn. Printing press washing device. 2,199,460; May 7.
Segessemann, Ernest, Newark, assignor to National Oil Products Company, Harrison, N. J. Treating tall oil. 2,199,653; May 7.
Selas Company, The. (See Gorman, Earl F., assignor.)
Selig, George A. (See Taylor, Lloyd M., assignor.)
Selmer, H. & A., Inc. (See Bundy, G. M., and Brand, assignors.)
Sepa Scharnier A.-G. (See Witschi, Marie, assignor.)
Sepe, John, Brooklyn, N. Y. Hat-crown retainer. 2,200,102; May 7.
Servel, Inc. (See Hedlund, William T., assignor.)
Shackelford, Orie, Fairmont, W. Va. Lehr belt and making the same. 2,199,529; May 7.
Shackleton, Jack, London, England, assignor to American Machine & Foundry Company, New York, N. Y. Tobacco feeding mechanism for cigarette making machines. 2,199,579; May 7.
Shaffer, Donald U., Brea, F. D. Hobbs, Huntington Beach, and E. C. Hamm, Norwalk, Calif. Circumorbital cutting tool. 2,199,972; May 7.
Shannon, Charles R., Harlan, assignor of one-fourth to L. R. Muir, Crummies, and one-fourth to C. Abel, Lenarue, Ky. Fish carrier. 2,200,044; May 7.
Sharp, William R., Benton, England. Table. 2,199,895; May 7.
Shaw, Adam E., et al. (See Godfrey, A. F., and Wedgwood, assignors.)
Sheeler, Harry E., and R. O. Engelauf, assignors to The National Cash Register Company, Dayton, Ohio. Printing means. 2,199,973; May 7.
Shell Development Company. (See Bogdan, Mihai, assignor.)
Shell Development Company. (See Stokman, Hendrikus, assignor.)
Shell Development Company. (See van Peski, A. J., and van Melsen, assignors.)
Shenton, Francis, assignor to Frick Company, Waynesboro, Pa. Shaft seal. 2,199,761; May 7.
Sheppard, Harry N., Maplewood, N. J., assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular knitting machine. 2,200,209; May 7.
Sherwood, Glenn L., assignor to Kaywood Corporation, Benton Harbor, Mich. Sled. 2,199,680; May 7.
Shinberger, John B., Norfolk, Va. Military hat box. 2,199,716; May 7.
Shutt, Charles C., Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Phase indicating means. 2,200,103; May 7.
Siebler, Oscar, and W. Boxan, Zschopau, assignor to Auto Union Aktiengesellschaft, Chemnitz, Germany. Springing arrangement. 2,199,896; May 7.

Siefken, George R., New York, N. Y. Ventilator. 2,200,045; May 7.
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Lauck, Friedrich, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Rohde, Lothar, assignor.)
Simmons, Aaron T., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Dispensing apparatus. 2,200,228; May 7.
Simpson, Albert H. (See Allan, G. W., and Simpson.)
Simpson, Kenneth M., New York, N. Y. Treating iron ore. 2,199,654; May 7.
Sinclair Refining Company. (See Walsko, John, assignor.)
Sipe, George I., Lancaster, Pa. Steamer. 2,200,192; May 7.
Skinner, Bronson C., Dunedin, assignor to Brogdex Company, Winter Haven, Fla. Apparatus for rubbing or brushing fruit and the like. 2,199,827; May 7.
Skinner, M. B., Company. (See Watson, John J., assignor.)
Sladky, Alexander C. (See Hois, L. J., and Sladky.)
Slepian, Joseph, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical contact means. 2,200,125; May 7.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,200,136; May 7.
Smeykal, Karl. (See Loewenberg, K., and Smeykal.)
Smith, Philip C., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Damper bar. 2,200,126; May 7.
Smith, Rolf M., Cincinnati, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,199,762; May 7.
Snap-On Tools, Inc. (See Walraven, George M., assignor.)
Société Anonyme dite: Société d'Etude de Distributeurs Automatiques S. E. D. A. (See Cadet, Louis J. A., assignor.)
Société Anonyme: Jaeger-Aviation. (See Galle, Jean B. P. H., assignor.)
Socony-Vacuum Oil Company. (See Carter, De Vere V., assignor.)
Sollinger, Ferdinand P., Paterson, N. J., assignor to Wright Aeronautical Corporation. True-motion connecting rod. 2,199,655; May 7.
Sonnemann, William K., Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network relay adjusting device. 2,200,104; May 7.
Sordoillet, Pierre, Paris, France. Navigation apparatus. 2,199,763; May 7.
Sparling, Elliott W., Los Angeles, Calif., assignor, by mesne assignments, to T. R. Gillenwaters and S. Steelman, as trustees for M. E. Gillenwaters. Sound recording and reproducing apparatus. 2,199,420; May 7.
Spencer, Wesley D., Los Angeles, Calif. Body vibrator. 2,199,965; May 7.
Sperry Gyroscope Company. (See Garter, Leslie F., assignor.)
Sperry Gyroscope Company. (See House, Frank R., assignor.)
Sprague Specialties Company. (See Collins, J. L., and Durant, assignors.)
Stäckel, Walter, Bochum, Germany, assignor to Otto-Wilputte Ovenbouw Mij. (Otto-Wilputte Oven Construction Company) N. V., The Hague, Netherlands. Underfired regenerative coke oven. 2,199,513; May 7.
Stambaugh, Sherwood, North Canton, Ohio. Electrical connector. 2,199,599; May 7.
Standard Computing Scale Company, The. (See Jaenichen, Louis, assignor.)
Standard Oil Company. (See Schnetzler, Harry G., assignor.)
Standard Oil Company of California. (See Gay, Norman N., assignor.)
Standard Oil Development Company. (See Murphree, Eger V., assignor.)
Standard Oil Development Company. (See Tyson, C. W., and Hemminger, assignors.)
Stator Corporation. (See Whitney, Lyman F., assignor.)
Stator Corporation. (See Whitney, William E., assignor.)
Staudt, Erich, assignor to Naamlooze Vennootschap Industrieels Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands. Producing nitrogen trichloride. 2,199,942; May 7.
Steelman, Samuel, et al., trustees. (See Sparling, Elliott W., assignor.)
Steigerwald, Christian. (See Koeberle, K., Rohland, and Steigerwald.)
Steiner Sales Company. (See Cullen, Daniel G., assignor.)
Steinert, Johannes, Hanover, assignor to E. Dyckerhoff, Bluemnau, near Wunstorf, Germany. Machine for cutting, lifting, and conveying peat sods. 2,200,137; May 7.
Stephenson, James G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Synchronous motor control system. 2,200,103; May 7.
Steube, Fritz, Leipzig, assignor to Klangfilm G. m. b. H., Berlin, Germany. Method and apparatus for sound reproduction. 2,200,106. Mar. 7.
Stevens, William G., Jr., Sykesville, Md. Marking mechanism for seed planters. 2,199,421; May 7.
Stevens, William G., Jr., Sykesville, Md. Planter. 2,199,422; May 7.
Stillwell, William D. (See Harshaw, W. J., and Stillwell.)
Stoddard, Edgar S., Berwyn, and P. K. Borman, assignors to Edison General Electric Appliance Company, Inc., Chicago, Ill. Washing apparatus. 2,200,127; May 7.
Stokes and Smith Company. (See Maxfield, Daniel E., assignor.)
Stokman, Hendrikus, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Treating synthetic lubricating oils. 2,199,940; May 7.
Stoip, Samuel S., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Trolley frog and approach end. 2,199,941; May 7.
Stratton, Frank E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening-inserting machine. 2,199,514; May 7.
Straus, Leo, New York, N. Y. Toilet article retainer. 2,200,046; May 7.
Strauss, Benno, Essen, Germany, assignor, by mesne assignments, to The Nirosta Corporation. Welded construction. 2,200,229; May 7.
Stringer, Montford C., Hopedale, Ohio. Pole mounting. 2,199,897; May 7.
Stromberg-Carlson Telephone Manufacturing Company, The. (See Beyland, Sidney A., assignor.)
Strovink, Floria, Medford, assignor to Bennett Incorporated, Cambridge, Mass. Manufacture of papers having low affinity for adhesives. 2,199,862; May 7.
Stubnitz-Greene Spring Corporation. (See Greene, D. A., and Caughey, assignors.)
Sturtevant, B. F., Company. (See Keyes, Robert E., assignor.)
Suess, Julius C. (See Green, Martin J., assignor.)
Sun Oil Company. (See Barton, Paul D., assignor.)
Suplan Silk Corporation. (See Geier, E. C., and Haesler, assignors.)
Swartout, Clotilde. (See Kann, Sydney, assignor.)
Swartout, Stanley H., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Motor control system. 2,199,600; May 7.
Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Resilient slip joint. 2,199,926; May 7.
Swindells, Norman. (See Long, C. J., Johnson, and Swindells.)
Swinehart, Carl F., Cleveland Heights, and H. C. Froelich, Cleveland, assignors to The Harshaw Chemical Company, Elyria, Ohio. Manufacture of fluorescent lamps. 2,200,221; May 7.
Swinglehurst, Harry, Jr. (See Page, A. E., and Swinglehurst.)
Tallman, William B. (See Heth, S. C., and Tallman.)
Tarleton, Frederic L., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,200,222; May 7.
Tarpley, Raymond E., assignor to Leeds & Northrup Company, Philadelphia, Pa. Woven resistor. 2,199,810; May 7.
Taylor, Albert J., Brownsville, Tex. Combination cot, chair, and card table. 2,200,193; May 7.
Taylor, Ernest W., assignor to The Industrial Brownhoist Corp., Bay City, Mich. Pusher car. 2,199,470; May 7.
Taylor, Lloyd M., San Leandro, assignor of one-half to G. A. Selig, Oakland, Calif. Internal combustion engine. 2,199,423; May 7.
Taylor, Tom A., and C. F. McComas, Olney, Ill. Safety device for rotary drilling rigs. 2,200,210; May 7.
Taylor-Wharton Iron & Steel Company. (See Kleber, Luther A., assignor.)
Teachout, Leo A. (See French, J. W., Andre, and Teachout.)
Teamer, Mildred B., Philadelphia, Pa. Garment. 2,199,450; May 7.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Diels, Kurt, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Thompson, James D., West Medford, Mass. Autopolisher. 2,200,194; May 7.
Thompson, Muriel L., Bloomfield, N. J. Measuring harness. 2,199,530; May 7.
Thompson Products, Inc. (See Burkhardt, Otto M., assignor.)
Thoms, Herbert E., North Hollywood, Calif. Tieback. 2,199,717; May 7.
Thorne, Harold, assignor to J. Goodson, London, England. Device for instructing in playing card games. 2,200,195; May 7.
Thorsen, Peter. (See McNeil, James W., assignor.)
Time, Inc. (See Prentice, Pierrepont I., assignor.)
Timm, Otto W., Glendale, Calif. Airplane. 2,199,681; May 7.
Timm, Otto W., Glendale, Calif. Hydraulic actuator for steering mechanisms, etc. 2,199,966; May 7.
Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,200,047; May 7.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Tobias, Fred J., assignor to Filatex Corporation, Trenton, N. J. Process and apparatus for handling elastic filaments. 2,199,550; May 7.
Tompkin's Label Service. (See Ohntrup, Robert F., assignor.)

Tondreau, Albert W., Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Film marking apparatus. 2,199,764; May 7.
Torkelson, Torkel E. (See Peirce, J. R., and Torkelson.)
Tornebohm, Törsten G., Katrineholm, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Rotary cutting tool. 2,199,379; May 7.
Towle, Frank N. (See Gamble, E. F., and Towle.)
Toyo Gomu Kagakukogyo Kabushiki Kaisha. (See Inokuchi, T., and Kawarahata, assignors.)
Travnicek, Frank, East St. Louis, Ill. Speed reducing mechanism. 2,199,682; May 7.
Trumbull Electric Manufacturing Company, The. (See Hammerly, Herman J., assignor.)
Transit Research Corporation. (See Piron, Emil H., assignor.)
Trichel, Gervais W. (See Lewis, J. T., and Trichel.)
Triplett, Hugh A., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Circuit interrupting apparatus. 2,199,551; May 7.
Tucker, Lewis B., Rye, N. Y. Douche appliance. 2,199,844; May 7.
Tucker, Mayson H., New York, N. Y. Photographic printing. 2,199,580; May 7.
Tyler, Paul J., et al. (See Lawler, F. P., and Tyler.)
Tyson, Charles W., Summit, and C. E. Hemminger, Westfield, N. J., assignors to Standard Oil Development Company. Catalyst regeneration. 2,199,838; May 7.
Ufer, Hanns. (See Reppe, W., and Ufer.)
Uhlemann, William R., Evanston, Ill. Lens mounting tool. 2,199,581; May 7.
Uhler, Walter S. (See McManis, E. A., and Uhler.)
Underwood, William F., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic pellicle. 2,199,927; May 7.
Union Oil Company of California. (See Flaxman, Marcellus T., assignor.)
Union Special Machine Company. (See Hacklander, H., and Sauer, assignors.)
Union Special Machine Company. (See Kucera, Frank A., assignor.)
Union Special Machine Company. (See Peterson, Albert C., assignor.)
Union Special Machine Company. (See Sauer, George, assignor.)
Union Switch & Signal Company, The. (See Hines, C. M., and O'Hagan, assignors.)
Union Switch & Signal Company, The. (See Martin, Paul N., assignor.)
Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)
United Chromium, Incorporated. (See Etchison, Carol L., assignor.)
United Shoe Machinery Corporation. (See De Minico, Charles, assignor.)
United Shoe Machinery Corporation. (See Jalbert, Adrien L., assignor.)
United Shoe Machinery Corporation. (See McIntire, James E., assignor.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United Shoe Machinery Corporation. (See Stratton, Frank E., assignor.)
United States Gypsum Company. (See Camp, T. P., and Page, assignors.)
United States Gypsum Company. (See Schuetz, Clyde C., assignor.)
U. S. Slicing Machine Company. (See van Berkel, Wilhelmus A., assignor.)
United States Metal Powders, Inc. (See Mandle, Henry H., assignor.)
Universal Oil Products Company. (See Ipatieff, V. N., and Pines, assignors.)
University of Pennsylvania, The Trustees of the. (See Flosdorf, Earl W., assignor.)
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television system. 2,200,048; May 7.
Vacca, Antonio, Cleveland, Ohio. Elevator lock and switch mechanism. 2,199,471; May 7.
Van Berkel, Wilhelmus A., Brussels, Belgium, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing-machine slice-stacking mechanism. 2,199,943; May 7.
Van Loon, Carel J., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Delayed automatic volume control circuits. 2,200,049; May 7.
Van Melsen, Johannes A. (See van Peski, A. J., and van Melsen.)
Van Peski, Adrianus J., and J. A. van Melsen, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Lubricant. 2,199,944; May 7.
Van Rensen, Jacob. (See Sanders, T. P. W., and van Rensen.)
Van Wirt, Alfred E., assignor to Imperial Paper and Color Corporation, Glens Falls, N. Y. Rotary extractor. 2,199,928; May 7.
Van Wirt, Alfred E., assignor to Imperial Paper and Color Corporation, Glens Falls, N. Y. Manufacture of soluble alkali chromates. 2,199,929; May 7.
Vaughn, Thomas H. (See Lytle, A. R., and Vaughn.)
Velie, Odell, assignor to Bellingham Iron Works, Inc., South Bellingham, Wash. Door locking mechanism. 2,199,765; May 7.
Victor, Benjamin J., Oak Park, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Safety device for presses. 2,199,766; May 7.
Victor Manufacturing & Gasket Company. (See Victor, Benjamin J., assignor.)
Visser, John, Grand Rapids, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Ash receptacle. 2,199,451; May 7.
Visser, John, Grand Rapids, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Utility receptacle. 2,199,898; May 7.
Vogée, Bruno. (See von Schütz, F., and Vogée.)
Von Manteuffel, Gert Z., Berlin-Dahlem, Germany, assignor to Askania-Werke A. G. Stabilizing device. 2,200,196; May 7.
Von Sauer, Walter, Berlin, Germany. Electrically operated vacuum refrigerating plant. 2,200,138; May 7.
Von Schütz, Friedrich, Berlin-Lichterfelde-West, and B. Vogée, Berlin-Wilhelmshagen, assignors to Julius Pintsch Commanditgesellschaft, Berlin, Germany. Automatic regulating device for air heating plants in railway vehicles. 2,199,531; May 7.
Voss, Johann H. H., White Plains, N. Y. Compressor valve assembly. 2,199,452; May 7.
Waldmann, Edmund. (See Chwala, A., and Waldmann.)
Walker, Eric E. (See Charlton, W., Hill, Walker, and Walters.)
Wallis, Cyril T., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Motor control system. 2,199,601; May 7.
Walraven, George M., assignor to Snap-On Tools, Inc., Kenosha, Wis. Metal panel cutter. 2,199,380; May 7.
Walsh Holyoke Steam Boiler Works, Inc. (See Kaeser, George L., assignor.)
Walsko, John, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbon oils. 2,199,930; May 7.
Walsko, John, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbon oils. 2,199,931; May 7.
Waring, Olaf I., assignor of one-half to P. Rothberg, New York, N. Y. Making capsules. 2,199,425; May 7.
Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)
Waters, Roy B. (See Charlton, W., Hill, Walker, and Waters.)
Watson, John J., Palestine, Tex., assignor to M. B. Skinner Company, South Bend, Ind. High pressure vented guide plug clamp. 2,199,552; May 7.
Watson, William F., Olean, N. Y. Compound tool. 2,199,899; May 7.
Watts, John H. (See Baker, P. G., and Watts.)
Wean Engineering Company, The. (See Wean, Raymond J., assignor.)
Wean, Raymond J., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Method and apparatus for annealing strip. 2,199,472; May 7.
Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Elliptic spring. 2,199,381; May 7.
Wedgwood, Reginald. (See Godfrey, A. F., and Wedgwood.)
Weeks, Arthur B., Cleveland, Ohio. Shunt wire fastener. 2,199,532; May 7.
Wehmiller, Frederick W. (See Herold, J. L., and Wehmiller.)
Wehr, William G., assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Crane brake. 2,199,863; May 7.
Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Press brake. 2,199,864; May 7.
Weith, George S., Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y. Resinous composition. 2,199,900; May 7.
Weitz, Henry J., Morris, Ill. Conditioning fertilizer. 2,200,107; May 7.
Wells, Joseph H., and P. J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Disposal of coke plant waste liquors. 2,199,767; May 7.
Wengen, Frank J., assignor to Eagle Knitting Mills, Inc., Milwaukee, Wis. Knitted cap. 2,199,473; May 7.
Werfelman, George H. (See Quick, Roy T., assignor.)
West, Harry R., Pittsfield, Mass., assignor to General Electric Company. Control circuit. 2,200,128; May 7.
West, Samuel S. (See Rosaire, E. E., and West.)
Westinghouse Electric & Manufacturing Company. (See Armstrong, G. C., and Ellis, assignors.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, B. O., and Moses, assignors.)
Westinghouse Electric & Manufacturing Company. (See Bakken, Andrew H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dorfman, Hiller D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Freese, Gerald J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hibbard, Lloyd J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hibbard, L. J., and Weybrew, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hildebrand, Ralph L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hodnette, John K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kelly, James M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knowles, Dewey D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lee, Paul R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lee, P. R., and Clark, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lessmann, Gerhard P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lindstrom, Ture, assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marden, J. W., and Nicholson, assignors.)
Westinghouse Electric & Manufacturing Company. (See Mueller, Erich O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Price, George E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rawlins, Herbert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Shutt, Charles C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Philip C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sonnemann, William K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stephenson, James G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
Westinghouse Electric Elevator Company. (See Bouton, Edgar M., assignor.)
West Virginia Pulp and Paper Company. (See Davis, Charles, assignor.)
Weybrew, Thelbert L. (See Hibbard, L. J., and Weybrew.)
Whitaker, John E., West Monroe, La. Wire reel. 2,199,901; May 7.
White, Clarence B., Philadelphia, Pa. Recovery of metals from alloys and metallurgical residues. 2,200,139; May 7.
White, Walter O., Salina, assignor to Crouse-Hinds Company, Syracuse, N. Y. Cover for conduit outlet boxes. 2,199,683; May 7.
Whiteford, Alexander W., New York, N. Y. Bearing member. 2,200,129; May 7.
Whitehead, Charles R. (See Barrett, C. D., and Whitehead.)
Whitehead, Edwin R., McCandless Township, Allegheny County, Pa. Surge responsive device. 2,200,233; May 7.
Whitin Machine Works. (See Schlums, Otto W., assignor.)
Whiting Corporation. (See Young, Raymond E., assignor.)
Whitney, Lyman F., Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation. Control device. 2,199,975; May 7.
Whitney, Lyman F., Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation. Household refrigeration. 2,199,976; May 7.
Whitney, Maurice P. (See McGrath, W. L., and Whitney.)
Whitney, William E., Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation. Controlling device. 2,199,974; May 7.
Whitton, Wilfred J., Grant City, Staten Island, N. Y. Motor driven shaving device. 2,199,768; May 7.
Widman, Charles H., assignor to The Murray Corporation of America, Detroit, Mich. Seat construction. 2,199,382; May 7.
Wiebke, August, Los Angeles, Calif., assignor to The Hastings Manufacturing Company, Hastings, Mich. Expanding pistons. 2,199,474; May 7.
Wiggs, James W. (See Hensel, F. R., Emmert, and Wiggs.)
Wilby, Edward W. (See Mountjoy, G., and Wilby.)
Wilckens, Kurt W., assignor, by mesne assignments, to Heinemann Circuit Breaker Company, Trenton, N. J. Blow-out mechanism. 2,200,108; May 7.
Wilckens, Kurt W., Philadelphia, Pa., assignor, by mesne assignments, to Heinemann Circuit Breaker Company, Trenton, N. J. Current limiter. 2,200,109; May 7.
Wilcox, Harry A. (See Biach, J. L., and Wilcox.)
Wilcox, William D., Kansas City, Mo. Producing a carbon monoxide-hydrogen mixture. 2,199,475; May 7.
Wilkins, George M., et al. (See Godfrey, A. F., and Wedgwood.)
Willeke, Adolf, Chemnitz, and W. Elier, Dessau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for unwinding loose windings of thread. 2,200,140; May 7.
Williams Oil-O-Matic Heating Corporation. (See Simmons, Aaron T., assignor.)
Wilputte, Adele J. (See Pavitt, William H., assignor.)
Wilputte, Louis, executor. (See Pavitt, William H.)
Wilsen, Frederic H. (See Brown, C. P., and Wilson.)
Wilson, Lucius E., and E. E. Baughn, Pinckney, Mich. Tractor attachment for automobiles. 2,199,684; May 7.
Wilson, Philip J., Jr. (See Wells, J. H., and Wilson.)
Wirth, Armin, Zurich, Switzerland. Bearings, especially for weighing machines. 2,200,141; May 7.
Witschi, Marie, Batterkinden, assignor to Sepa Scharnier A.-G., Olten, Switzerland. Hinge. 2,200,142; May 7.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Control arrangement for film handling apparatus. 2,199,977; May 7.
Wolf, Frank, High Ridge, Mo. Utilization of discarded tires. 2,199,845; May 7.
Wolf, Gottfried, Hochheid, near Geilenkirchen, Germany. Ventilator hood. 2,200,014; May 7.
Wolfe, Ernest E., assignor to Metal Tape Company, Los Angeles, Calif. Venetian blind. 2,200,143; May 7.
Wolfert, Edward R., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control mechanism. 2,199,426; May 7.
Wood, Walter A., Detroit, Mich. Tweezers. 2,199,685; May 7.
Wood, William H., Bedford, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Production of plates for printing in lithographic manner. 2,199,865; May 7.
Wood, William, Jr., Vancouver, British Columbia, Canada. Making a top lift slab. 2,199,811; May 7.
Woodford, Arthur W., Chicago, Ill. Curl forming device. 2,199,453; May 7.
Woodhouse, Richard L. (See Schmitter, Walter P., assignor.)
Woods, Jessie A., Ashland, Ky. Loom. 2,199,515; May 7.
Woolley, Rew E., Shaker Heights, Ohio, assignor to Bailey Meter Company. Measuring apparatus. 2,199,769; May 7.
Wright Aeronautical Corporation. (See Daub, Rudolph, assignor.)
Wright Aeronautical Corporation. (See Sollinger, Ferdinand P., assignor.)
Wright, Carl, Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Forming tubes. 2,199,602; May 7.
Wuellner, Arthur A., Columbus, Ohio. Anchoring device. 2,199,533; May 7.
Yankee Metal Products Corp. (See Putterman, B., and Reed, assignors.)
Yeatts, William, West Friendship, Md., assignor to G. C. Zouras, Washington, D. C. Jar vise. 2,199,516; May 7.
Young, Raymond E., assignor to Whiting Corporation, Harvey, Ill. Hopper for stokers and the like. 2,199,770; May 7.
Young, William J., assignor to Eric Colin-Smith, Toronto, Ontario, Canada. Oil burner. 2,199,771; May 7.
Zaremba, Valerian F., and S. P. Osuch, Cicero, assignors to The Gerrard Company, Inc., Chicago, Ill. Wire tying machine. 2,200,234; May 7.
Zeigler, John H. (See Bright, A. W., and Zeigler.)
Zeiss, Carl. (See Schmidt, Ulrich, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Kuppenbender, H., Fischer, Henkel, Peters, and Mende, assignors.)
Zeiss Ikon Aktiengesellschaft. (See Sauer, Hans, assignor.)
Zell, Robert. (See Baumann, F., Krause, Schwechten, and Zell.)
Zimarik, Louis, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Washing machine. 2,200,144; May 7.
Zimmerman, Herman W., Highland Park, assignor, by mesne assignments, to Automotive Maintenance Machinery Co., North Chicago, Ill. Torque measuring wrench. 2,199,553; May 7.
Zimmerman, Raymond E. (See Archer, A. A., and Zimmerman.)
Zouras, George C. (See Yeatts, William, assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air impeller. A. C. Hilbert and J. Lanz. Re. 21,443; May 7.
Apparatus for shooting wells. O. C. Mays. Re. 21,444; May 7.
Box-forming machine. M. A. Waters. Re. 21,445; May 7.
Bulldozer. G. S. Allin. Re. 21,447; May 7.
Cash register and accounting machine. J. E. Gates. Re. 21,442; May 7.
Lathe. A. G. Whitehead and R. R. Raber. Re. 21,446; May 7.

LIST OF PLANT INVENTIONS

Apple tree. W. M. McIlvaine. 388; May 7.
Chrysanthemum plant. J. F. Styer. 390–2; May 7.
Rose. C. B. Hansen. 389; May 7.
Rose. M. M. Horvath. 385–7; May 7.
Rose. G. C. Thomas, Jr. 393; May 7.
Rose plant. T. J. Morris. 394; May 7.

LIST OF DESIGN INVENTIONS

Adapter for a container closure. H. H. Martin. 120,464; May 7.
Air cooling and dehumidifying unit. R. Loewy. 120,383; May 7.
Arm for lamp fixtures. A. O. Elting. 120,402; May 7.
Ashtray. E. V. Myers. 120,409; May 7.
Atomizer, Steam. A. Barkin. 120,371; May 7.
Blade, Culinary cutting. J. A. Waller. 120,390; May 7.
Blouse or similar article, Knitted. H. Boepple. 120,417; May 7.
Bottle, Glass. L. J. Kihn. 120,422; May 7.
Bottle, Milk. J. B. Neal. 120,425; May 7.
Bottle or the like, Perfume. B. H. Ogden. 120,426; May 7.
Bottle, sachet balls, and container therefor, Combined perfume. J. E. Vivaudou and H. G. Lubin. 120,415; May 7.
Bowl or similar article. R. A. May. 120,348; May 7.
Box or similar article, Cigarette. L. Guild. 120,404; May 7.
Box or similar container. C. F. Friedrich. 120,460; May 7.
Brooch or similar article. A. Katz. 120,381; May 7.
Brooch or similar article. J. Rodriguez. 120,452–4; May 7.
Cabinet or similar article. A. Bach. 120,370; May 7.
Cabinet or similar article, Radio. J. Alazet. 120,392; May 7.
Cabinet, Phonograph. D. C. Rockola. 120,397; May 7.
Candlestick or similar article. O. Mankki. 120,408; May 7.
Cap, Automobile radiator. E. Olsson. 120,396; May 7.
Cap, Container. A. H. Jung. 120,461; May 7.
Cap, Container. G. A. Rechlin. 120,451; May 7.
Cap, Electrical connecting. L. Ludwig. 120,463; May 7.
Cap for a collapsible tube. R. B. Osterhoudt. 120,353; May 7.
Case for tape measures. E. J. Witchger. 120,369; May 7.
Case, Vanity. R. W. Mason. 120,347; May 7.
Chair, Posture. R. A., and J. F. Cramer. 120,375; May 7.
Chime, Annunciator. C. L. McMullen. 120,423–4; May 7.
Clip, Pin. A. Philippe. 120,448–50; May 7.
Clip, Pin. J. Wuyts. 120,456–8; May 7.
Clip, Pin. J. Wuyts. 120,474–5; May 7.
Clock. H. Gordon. 120,380; May 7.
Colorimeter. E. F. Flint. 120,378; May 7.
Comb and brush or similar article, Combined. J. Kahn. 120,345; May 7.
Comfortable. L. Goodstein. 120,435; May 7.
Container for perfume or the like. B. H. Ogden. 120,471; May 7.
Cuff link or similar article. F. Di Verdura. 120,429; May 7.
Decanter, Olive oil. J. M. Barolo. 120,334; May 7.
Doll. B. S. Jones. 120,344; May 7.
Dress. L. Abbott. 120,443; May 7.
Dress. L. Applebaum. 120,428; May 7.
Dress. H. M. Harris. 120,420; May 7.
Dress. S. Jacobson. 120,445; May 7.
Dress. H. Kramer. 120,439; May 7.
Dress. S. B. Levey. 120,407; May 7.
Dress. C. M. Neuhardt. 120,437–8; May 7.
Dress. C. M. Neuhardt. 120,440–2; May 7.
Dress. C. M. Neuhardt. 120,447; May 7.
Dress. C. M. Neuhardt. 120,465–70; May 7.
Dress. D. W. Price. 120,411; May 7.
Dress. N. Rubin. 120,412; May 7.
Dress and slip ensemble. A. Engel. 120,444; May 7.
Dress ensemble. M. Haon. 120,405–6; May 7.
Dress ensemble. A. Ruchman. 120,413; May 7.
Dress, Maternity. J. North. 120,410; May 7.
Dress or similar article. B. Cutler. 120,400; May 7.
Emblem, Identification. S. R. Wells. 120,367; May 7.
Feeder, Bird. F. Moore. 120,350; May 7.
Fabric or similar article, Knitted textile. M. Doft. 120,376; May 7.
Fabric or similar article, Textile. W. Steffen. 120,389; May 7.
Fabric, Textile. G. J. Finnegan. 120,377; May 7.
Fabric, Textile. G. J. Finnegan. 120,431–3; May 7.
Fabric, Textile. C. E. Forstmann. 120,379; May 7.
Fabric, Textile. R. Gold. 120,434; May 7.
Fabric, Textile. F. Sudell. 120,455; May 7.
Food mixing apparatus. R. C. Geiger, D. A. Meeker, and E. H. Arens. 120,342; May 7.
Gauge, Sparg plug. T. G. Monahan. 120,351; May 7.
Glove. K. Fuchs. 120,403; May 7.
Golf club shaft or the like. G. E. Barnhart. 120,332–3; May 7.
Handbag. F. N. Lewis. 120,346; May 7.
Heater, Electric. A. O. Samuels. 120,387; May 7.
Heating unit for cooking stoves, Electrical. M. Feldman. 120,340; May 7.
Holder for crackers and cheese. J. W. Warren. 120,391; May 7.
Jar. E. W. Fuerst. 120,341; May 7.
Jar. C. A. Howell. 120,421; May 7.
Jar. F. Smith. 120,473; May 7.
Knob for food mixer or the like, Control. G. T. Scharfenberg. 120,359; May 7.
Lamp base. A. O. Elting. 120,401; May 7.
Latch for automobile doors, Safety. J. R. Thorp. 120,366; May 7.
Mask, Nasal. W. M. Boothby, A. H. Bulbulian, and W. R. Lovelace. 120,372; May 7.
Mask, Oronasal. W. M. Boothby, A. H. Bulbulian, and W. R. Lovelace. 120,373; May 7.
Mat, Bath. F. Sudell. 120,361–5; May 7.
Mixer, Food. G. T. Scharfenberg. 120,358; May 7.
Overshoe, Rubber. W. Mancik and G. H. Quennard. 120,384; May 7.
Ozonizer, Electric. W. A. Pardey and L. Stipp. 120,386; May 7.
Pin or the like. W. Lampl. 120,436; May 7.
Pin or the like. W. Lampl. 120,446; May 7.
Pin or the like. W. Lampl. 120,462; May 7.
Plate or similar article. R. A. May. 120,349; May 7.
Press unit front. T. F. Stacy. 120,360; May 7.
Protector, Hosiery. W. W. Elgin. 120,419; May 7.
Pump body. J. A. Murnane. 120,385; May 7.
Rack, Combined can carrier and display. A. Brandes, R. A. Quirk, and R. J. Burke. 120,374; May 7.
Rack for kitchen utensils or the like. H. H. Hopkins. 120,343; May 7.
Redingote. A. Rosen. 120,427; May 7.
Ring, Finger. S. J. Portnoy. 120,355; May 7.
Ring or similar article. E. O. Oberdick. 120,352; May 7.
Safe or similar article. P. Bescherer. 120,335–7; May 7.
Scarf or similar article, Ascot. C. Clawson. 120,418; May 7.
Shelf, Toilet. J. Slazinik and A. Zavicar. 120,388; May 7.
Shoe. H. Sobel. 120,399; May 7.

Shoe or similar article. D. Levin and J. W. McGee. 120,394; May 7.
Sign, Adversiting. T. L. Chryst. 120,338; May 7.
Signal device. L. Rittenhouse. 120,472; May 7.
Spectacle front. J. J. Rohrbach. 120,357; May 7.
Spoon or other article of flatware. M. A. Downs. 120,459; May 7.
Stand, tray, and bottles, Combined bar service. D. W. Dunberg. 120,430; May 7.
Suspenders and leggings, Combined. H. M. Seeley. 120,414; May 7.
Sweater or similar article. H. Boepple. 120,416; May 7.
Table, Billiard. P. C. Perrin. 120,354; May 7.
Tank or similar article, Battery. J. R. Morgan. 120,395; May 7.
Toothbrush. C. G. Kerr. 120,382; May 7.
Toy, Combined duck and rabbit. H. A. Elder. 120,339; May 7.
Truck, Curb service battery. L. A. Doughty. 120,393; May 7.
Type font, Printing. I. Reiner. 120,356; May 7.
Watch and bracelet or similar article, Combined. W. M. Welling. 120,368; May 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive and producing same. W. W. Durant. 2,200,164; May 7.
Abrasive, Coated. N. E. Oglesby. 2,199,752; May 7.
Accounting machine. J. R. Peirce and T. E. Torkelson. 2,199,548; May 7.
Acid recovery, Sulphuric. B. M. Carter. 2,199,691; May 7.
Acid solutions and making same, Hypochlorous. H. O. Kauffmann. 2,199,936; May 7.
Acids and their functional derivatives and producing them, N-substituted aspartic. W. Reppe and H. Ufer. 2,200,220; May 7.
Acids, Extraction of fatty. B. K. Bright. 2,199,983; May 7.
Actuator for steering mechanisms, etc., Hydraulic. O. W. Timm. 2,199,966; May 7.
Addition products of thiophenols and acrylic acid esters. R. A. Jacobson. 2,199,799; May 7.
Adjusting device for adjacent parts of machinery. E. Leitz, Jr., and R. Noack. 2,199,802; May 7.
Admixture for concrete or cement. A. Marzoli. 2,199,920; May 7.
Aerial. J. R. Koss. 2,199,727; May 7.
Aerial navigation means. J. B. P. H. Galle. 2,199,819; May 7.
Agricultural implement. C. W. Kelsey. 2,199,954; May 7.
Air circulator and temperature regulator. F. E. Pilley. 2,200,098; May 7.
Air compressor. N. A. Christensen. 2,199,482; May 7.
Air conditioning. F. R. Bichowsky. 2,199,967; May 7.
Air conditioning system. H. E. Hartig. 2,200,225; May 7.
Air conditioning system. W. R. Miller. 2,200,118; May 7.
Air distributing device. F. J. Kurth. 2,199,525; May 7.
Airplane. O. W. Timm. 2,199,681; May 7.
Air washer. R. E. Keyes. 2,199,632; May 7.
Alarm, Liquid level. A. F. Sandberg. 2,199,677; May 7.
Alarm lock. G. Maida, Jr. 2,199,671; May 7.
Alcohols, Sulphating aliphatic. M. Engelmann. 2,199,399; May 7.
Alkoxy-hydroxy-benzaldehydes, Production of. E. Mather and W. E. Hamer. 2,199,748; May 7.
Alloy: *See*—
Corrosion-resisting ferrous alloy.
Alloy. M. Auwärter and K. Ruthardt. 2,200,050; May 7.
Alpha-chloroisobutyric esters with zinc and zinc halides, Dehydrohalogenation of. H. J. Barrett. 2,199,774; May 7.
Aminoanthraquinones. F. Baumann, and H.-W. Schwechten, A. Krause, and R. Zell. 2,199,813; May 7.
Amplifier, High frequency. H. C. Allen and G. L. Grundmann. 2,199,604; May 7.
Anchoring device. A. A. Wuellner. 2,199,533; May 7.
Antenna, Ultra high frequency. W. R. Koch. 2,199,635; May 7.
Antifreeze composition. W. L. Morgan. 2,200,184; May 7.
Antihalation and filter layers for photographic film. D. E. R. Ayres, A. Batley, and E. B. Knott. 2,199,978; May 7.
Apparatus for charging siphon bottles. O. A. Knable and C. N. Mertes. 2,199,665; May 7.
Apparatus for cleaning bottles. J. L. Herold and F. W. Wehmiller. 2,199,459; May 7.
Apparatus for determining acceleration of a machine or the like. A. C. Peterson. 2,199,672; May 7.
Apparatus for dispensing heavy liquids. F. W. Olin. 2,200,189; May 7.
Apparatus for electroplating metallic articles. C. L. Etchison. 2,199,487; May 7.
Apparatus for food preparation. J. M. Marty. 2,199,504; May 7.
Apparatus for making electrical surveys of boreholes. J. C. Karcher. 2,199,705; May 7.
Apparatus for marking leather, textile, or paper fabrics, or other suitable material. W. J. Hill. 2,199,822; May 7.
Apparatus for preventing raising of dust and splashing of mud by automobiles. Z. Ishiwata. 2,199,883; May 7.
Apparatus for refueling aircraft in the air. A. J. Cobham, H. C. Johnson, and P. R. Allison. 2,199,588; May 7.
Apparatus for rendering and extraction. T. K. Lowry. 2,199,670; May 7.
Apparatus for rubbing or brushing fruit and the like. T. G. Cunning. 2,199,831; May 7.
Apparatus for rubbing or brushing fruit and the like. B. C. Skinner. 2,199,827; May 7.
Apparatus for slicing meat. J. Erb. 2,199,589; May 7.
Apparatus for the treatment of biologically active products. E. W. Flosdorf. 2,199,815; May 7.
Apparatus for treating coiled strip metal. G. R. Beckwith and C. H. Propper. 2,199,736; May 7.
Apparatus for unwinding loose windings of thread. A. Willeke and W. Eller. 2,200,140; May 7.
Applicator, Cosmetic. L. R. Catelin. 2,199,720; May 7.
Article and making the same, Tubular. J. A. Salz. 2,200,042; May 7.
Article containing cellulose ethers and shellac, Granular. S. L. Bass and E. L. Kropscott. 2,199,386; May 7.
Article for babies. P. G. Baker and J. H. Watts. 2,199,869; May 7.
Article, Vitreous enameled. A. L. Matthes. 2,199,804; May 7.
Articulator. E. L. Chott. 2,200,058; May 7.
Artificial structure and producing same. E. V. Lewis. 2,199,411; May 7.
Ash receptacle. J. Visser. 2,199,451; May 7.
Assistants for the textile and related industries and their manufacture. K. Engel and K. Pfaehler. 2,199,789; May 7.
Attenuator, High impedance. C. E. Burnett. 2,200,055; May 7.
Automobile bodies and the like, Straightening out deformed. S. Mandl. 2,200,133; May 7.
Automobile heater. H. J. De N. McCollum. 2,200,232; May 7.
Automobile hood latch. W. S. Saunders. 2,199,467–8; May 7.
Automobile parking device. J. L. S. Kirby. 2,200,027; May 7.
Automobile stop signal. E. E. Ricard. 2,199,756; May 7.
Autopolisher. J. D. Thompson. 2,200,194; May 7.
Auxiliary fireplace heater. T. Mairs. 2,199,836; May 7.
Axle housings, Making. R. H. Maddock. 2,199,502; May 7.
Azeotropic distillation systems, Starting and balancing. A. W. Bright and J. H. Zeigler. 2,199,982; May 7.
Azo compounds and coloring therewith. J. G. McNally and J. B. Dickey. 2,200,004; May 7.
Azo compounds and dyeing therewith. J. B. Dickey and J. G. McNally. 2,199,987; May 7.
Azo compounds and material colored therewith. J. G. McNally and J. B. Dickey. 2,200,006 May 7.
Azo compounds, Selective reduction of. S. S. Rossander. 2,199,576; May 7.
Bag: *See*—
Tea bag.
Bar: *See*—
Chain link bar. **Damper** bar.
Basket, Washing machine. O. T. Dehle. 2,199,539; May 7.
Bearing member. A. W. Whiteford. 2,200,129; May 7.
Bearings, especially for weighing machines. A. Wirth. 2,200,141; May 7.
Bed, Folding. I. F. Clark. 2,199,741; May 7.
Beer cooler. R. C. Ayers. 2,199,718; May 7.
Beer cooling system and apparatus. M. A. Martin. 2,199,503; May 7.
Beer measuring and dispensing device. T. A. Hutsell. 2,199,405; May 7.
Belt and making the same, Lehr. O. Shackelford. 2,199,529; May 7.
Belt drive. R. V. Morse. 2,199,569; May 7.
Belt lacer. O. B. Briggs and A. L. Lamb. 2,199,932; May 7.
Benzanthrone derivatives. G. Rösch. 2,199,575; May 7.
Bicycle. K. H. Booty. 2,199,536; May 7.
Binding, Ski. G. Rauglas. 2,199,444; May 7.
Biologically active substances, Preservation of. E. W. Flosdorf. 2,199,816–17; May 7.
Bit: *See*—
Blade bit.
Blade bit, Demountable. A. C. Catland. 2,199,692; May 7.
Blind, Venetian. E. E. Wolfe. 2,200,143; May 7.
Blinds, Washing Venetian. R. G. Long and W. D. French. 2,199,747; May 7.
Block: *See*—
Cutting block. **Sanding** block.
Blow-out mechanism. K. W. Wilckens. 2,200,108; May 7.
Board: *See*—
Stove board.
Bodies by deformation, Producing elongated. J. Kafowi. 2,200,231; May 7.
Bolt head construction. R. I. Pigott. 2,199,809; May 7.
Bolt, Wedge. R. V. Johnson. 2,200,174; May 7.
Bottle gassing machine. J. Kantor. 2,199,565; May 7.

Bottle inspecting device. L. T. Sachtleben. 2,200,100; May 7.
Bottles, Manufacturing gas. V. A. de Vulitch. 2,200,162; May 7.
Bouillon cube machine. L. Brownstein. 2,200,224; May 7.
Bowl, Child's play. T. A. Howard. 2,199,915; May 7.
Box: *See*—
Hat box.
Telephone and communicating key box.
Box for oil wells, Self-lubricating stuffing. G. R. Huff. 2,199,725; May 7.
Boxes, Making infolded knockdown. S. Bergstein. 2,200,238; May 7.
Brackets or hold-fasts, Producing wall. P. Lazarides. 2,199,436; May 7.
Brake: *See*—
Crane brake. Press brake.
Landing gear brake.
Brake. F. G. Hughes. 2,199,997; May 7.
Brake lever. R. A. Sandberg. 2,199,448; May 7.
Bridge for stringed instruments. E. R. Born. 2,199,612; May 7.
Broadcasting, Method of. L. Hammond. 2,199,702; May 7.
Broom reinforçer. L. A. O'Lena. 2,200,121; May 7.
Building construction. H. Coleman. 2,199,694; May 7.
Building unit. V. A. Barnhart. 2,199,946; May 7.
Burner: *See*—
Fuel burner. Oil burner.
Gas burner.
Cabinet. R. Pryne. 2,199,731; May 7.
Cabinet construction, Roller towel. D. G. Cullen. 2,199,742; May 7.
Cable: *See*—
Power transmission cable.
Calcining apparatus. V. J. Azbe. 2,199,384; May 7.
Cam for knitting machines. R. H. Lawson. 2,199,637; May 7.
Cam lock. H. Z. Benton. 2,200,211; May 7.
Camera magazine ejector. G. B. Scheibell. 2,199,419; May 7.
Camera, Photographic. H. Kuppenbender, O. Fischer, G. Henkel, O. Peters, and A. Mende. 2,199,464; May 7.
Camera shutter. M. R. Hutchison, Jr. 2,199,998; May 7.
Cameras, Steady rest for. V. F. Greaves. 2,199,662; May 7.
Can. H. Sebell. 2,199,527; May 7.
Cap: *See*—
Closure cap. Make-up cap.
Knitted cap.
Cap structure, Wheel hub. G. A. Lyon. 2,199,889; May 7.
Capacitor, Water cooled. R. E. Marbury. 2,200,094; May 7.
Capsules, Making. O. I. Waring. 2,199,425; May 7.
Car: *See*—
Dump car. Self-propelled pusher car.
Pusher car.
Car construction. C. W. Miller. 2,199,545; May 7.
Car or tank, Armored motor. J. Hojnowski. 2,200,230; May 7.
Carbon monoxide-hydrogen mixture, Producing. W. D. Wilcox. 2,199,475; May 7.
Carburetor accelerating means. E. Olson. 2,199,509; May 7.
Card table. R. F. Harris. 2,199,745; May 7.
Carrier: *See*—
Fish carrier.
Carrier for balancing machines, Work. J. P. Lannen. 2,199,667; May 7.
Carton. E. C. Berg. 2,199,476; May 7.
Casting apparatus. M. Robbins. 2,199,598; May 7.
Castings, Production of composite. L. A. Kleber. 2,200,178; May 7.
Catalyst regeneration. E. V. Murphree. 2,199,837; May 7.
Catalyst regeneration. C. W. Tyson and C. E. Hemminger. 2,199,838; May 7.
Centering apparatus. O. J. and W. L. Norton. 2,199,893; May 7.
Centrifugal machine for the separation of solid and liquid materials. C. E. Harvey. 2,200,202; May 7.
Centrifugal mechanism. T. A. Bryson. 2,199,847–8; May 7.
Centrifugal, Multiple drum. T. A. Bryson. 2,199,849; May 7.
Chain link bar. J. Léval. 2,199,500; May 7.
Chair and standard. J. V. Boogaard and R. K. Merrill. 2,199,689; May 7.
Chamber, Constant level. L. S. Curry. 2,199,538; May 7.
Change-speed gear, Continuously variable. P. L'Orange. 2,200,131; May 7.
Change speed system. J. W. Hale. 2,199,993; May 7.
Chemical process and new catalysts therefor. A. S. Carter and F. W. Johnson. 2,200,057; May 7.
Chlorine, Purification of. R. M. Hunter. 2,199,797; May 7.
Chopper, Food. E. Meyer. 2,200,035; May 7.
Chromates, Manufacture of soluble alkali. A. E. Van Wirt. 2,199,929; May 7.
Circuit: *See*—
Control circuit. Noise limiting circuit.
Frequency control circuit. Volume control circuit.
Circuit breaker. H. D. Dorfman. 2,199,622; May 7.
Circuit breaker. G. J. Freese. 2,199,626; May 7.
Circuit controlling device. T. Lindstrom. 2,199,641; May 7.
Circuit interrupter. A. H. Bakken. 2,199,607; May 7.
Circuit interrupting apparatus. H. A. Triplett. 2,199,551; May 7.
Circuit interrupting device. H. L. Rawlins. 2,200,122; May 7.
Circuit protective means, Meter. J. K. Hodnette. 2,199,630; May 7.
Circuits, Coupling. D. K. Gannett. 2,199,820; May 7.
Circuits, Delayed automatic volume control. C. J. van Loon. 2,200,049; May 7.
Circuits, Tuned transmission. W. D. Loughlin. 2,199,669; May 7.
Circumorbital cutting tool. D. U. Shaffer, F. D. Hobbs, and E. C. Hamm. 2,199,972; May 7.
Clamp: *See*—
Guide plug clamp. Mortician's clamp.
Clamp for electric fuses, etc., Terminal. H. J. Hammerly. 2,199,793; May 7.
Clay, Recovering spent filter. P. D. Barton. 2,200,145; May 7.
Clipper blade. W. Burch. 2,200,150; May 7.
Clock and switch, Combined alarm. M. J. Madison. 2,200,092; May 7.
Clock, Elk. J. W. Clark. 2,200,021; May 7.
Closure cap. J. C. Gibbs. 2,200,081; May 7.
Closure for bottle carriers. J. J. Dietrick. 2,199,832; May 7.
Clutch: *See*—
Friction clutch. Reverse clutch.
Clutch with hydraulically compressed disks. A. Kégresse. 2,199,523; May 7.
Coated welding rod. A. R. Lytle and T. H. Vaughn. 2,199,440; May 7.
Coating compositions, Manufacture of pigmented. W. Charlton, R. Hill, E. E. Walker, and R. B. Waters. 2,199,557; May 7.
Coke, Cooling low temperature. A. A. Archer and R. E. Zimmerman. 2,199,945; May 7.
Coke, Manufacture of. H. G. Schnetzler. 2,199,759; May 7.
Combustion device. R. S. Detlor. 2,199,783; May 7.
Comminutor. A. C. Durdin, Jr. 2,199,788; May 7.
Communication system, Secret. W. R. Koch. 2,199,634; May 7.
Communication system, Synchronous. H. J. Nichols. 2,199,546; May 7.
Compaction machine. J. W. Poulter. 2,199,649; May 7.
Compass, Gyromagnetic. L. F. Carter. 2,199,850; May 7.
Compensator, Ground potential. G. C. Cummings. 2,199,558; May 7.
Composition of matter. S. L. Bass. 2,199,385; May 7.
Composition of matter and making same. I. E. Muskat. 2,199,710–11; May 7.
Compound tool. W. F. Watson. 2,199,899; May 7.
Compressor unit for refrigeration and other applications. L. Patrignani. 2,199,414; May 7.
Condensation product and its manufacture, Water-soluble. F. Becherer. 2,199,776; May 7.
Condenser: *See*—
Electrolytic condenser.
Condenser and preparing etched electrodes therefor, Electrolytic. S. Ruben. 2,199,445; May 7.
Condenser winding machine. T. Ackley. 2,199,603; May 7.
Conductor bending die. G. W. Elsey. 2,199,623; May 7.
Confections, Preparing grained. A. A. Lund. 2,199,887; May 7.
Connecting rod, True-motion. F. P. Sollinger. 2,199,655; May 7.
Connection and sealing member, Pipe. F. H. Mueller, W. J. Bowan, and E. H. Fawley. 2,199,647; May 7.
Connector: *See*—
Electrical connector. Plug connector.
Connector. S. Guarnaschelli. 2,200,082; May 7.
Construction element. A. Davis, Jr. 2,200,159; May 7.
Cooler: *See*—
Beer cooler.
Container. J. C. Donnelly. 2,200,200; May 7.
Container. J. H. Horsley. 2,199,664; May 7.
Container and dispenser, Powder. E. L. Penrod. 2,199,754; May 7.
Container and display rack, Combination oil salvage and refuse. H. W. Mitchell. 2,199,970; May 7.
Container closures, Making. H. Sebell. 2,199,528; May 7.
Contrivance for treating materials within a gas atmosphere of increased pressure. W. Doderer. 2,199,521; May 7.
Control apparatus for well pumping and drilling mechanism, Emergency. C. R. Athy. 2,199,583; May 7.
Control arrangement for film handling apparatus. O. Wittel. 2,199,977; May 7.
Control circuit. H. R. West. 2,200,128; May 7.
Control device. E. J. Dillman. 2,200,163; May 7.
Control device. L. F. Whitney. 2,199,975; May 7.
Control device and system. J. R. Aufiero. 2,200,235; May 7.

Control mechanism. E. R. Wolfert. 2,199,426; May 7.
Control system. L. J. Hibbard and T. L. Weybrew. 2,200,083; May 7.
Control system. B. E. Lenehan. 2,199,640; May 7.
Controlling device. W. E. Whitney. 2,199,974; May 7.
Conveyance, Dumping. I. S. Mick. 2,199,507; May 7.
Conveyer, Case. W. R. Maguire and E. J. Lockwood. 2,200,116; May 7.
Conveyer, Shaker. W. W. Sloane. 2,200,136; May 7.
Conveyer, Tubular belt. H. S. Johns. 2,199,935; May 7.
Corrosion-resisting ferrous alloy. J. A. Parsons, Jr. 2,200,208; May 7.
Cot, chair, and card table, Combination. A. J. Taylor. 2,200,193; May 7.
Couch. J. W. Bowersox. 2,200,052; May 7.
Counting chamber. C. P. Brown and F. H. Wilson. 2,200,053; May 7.
Coupling: *See*—
Flexible coupling. Pipe coupling.
Course device for vehicles. F. Lauck. 2,200,030; May 7.
Cover: *See*—
Match book cover. Receptacle cover.
Milk can cover. Wheel cover.
Cover for conduit outlet boxes. W. O. White. 2,199,683; May 7.
Cover mechanism. L. A. Althoff. 2,200,016; May 7.
Crane brake. W. G. Wehr. 2,199,863; May 7.
Creams and apparatus therefor, Irradiating. C. Holt. 2,199,796; May 7.
Creel. D. C. Churchill. 2,199,616; May 7.
Crepe effects in textiles, Producing. P. Schlack. 2,200,135; May 7.
Cultivator. A. Ronning. 2,199,674; May 7.
Curl forming device. A. W. Woodford. 2,199,453; May 7.
Current detector, Tracer. S. W. Borden. 2,199,846; May 7.
Current glow tube, Low grid. D. D. Knowles. 2,200,089; May 7.
Current limiter. K. W. Wilckens. 2,200,109; May 7.
Curtain assembly, Crisscross. B. Rosenberg. 2,200,041; May 7.
Curtain rod, Shower. J. F. Culver. 2,199,851; May 7.
Cushion, Spring and air. D. A. Greene and J. M. Caughey. 2,199,489; May 7.
Cutter: *See*—
Glass tube cutter. Metal panel cutter.
Hair cutter. Tubing cutter.
Cutter and tensioning device, Band. J. M. Gerrard. 2,199,744; May 7.
Cutting block. J. Janes. 2,199,917; May 7.
Cutting tool. F. E. Aurand, Jr. 2,199,383; May 7.
Cylinder and head, Composite. R. Daub. 2,199,619; May 7.
Damper bar. P. C. Smith. 2,200,126; May 7.
Data transcribing machine. L. S. Harrison and E. J. Rabenda. 2,199,541; May 7.
Decorative device. J. C. Koonz. 2,199,434; May 7.
Desk lamp. F. Craib. 2,199,985; May 7.
Device for automatically maintaining the carbonating agent in carbonated beverages. E. F. Gamble and F. N. Towle. 2,199,661; May 7.
Device for enabling cleaning of vacuum cleaner dust bags. C. M. Richter. 2,199,859; May 7.
Device for instructing in playing card games. H. Thorne. 2,200,195; May 7.
Device for measuring liquids. L. J. A. Cadet. 2,200,154; May 7.
Diaper, Sanitary. E. F. Cramer. 2,199,781; May 7.
Die: *See*—
Conductor bending die.
Differential. E. Bush. 2,200,153; May 7.
Director. J. T. Lewis. 2,200,130; May 7.
Disk friction device, Multiple. H. Kattwinkel. 2,199,801; May 7.
Dispenser: *See*—
Soap dispenser.
Dispensing apparatus. A. T. Simmons. 2,200,228; May 7.
Dispensing device. V. K. Milbank. 2,200,117; May 7.
Distillation, Vacuum K. C. D. Hickman. 2,199,994; May 7.
Door closer. H. B. Gallinger. 2,199,628; May 7.
Doorframe, Ashpit. W. J. Groth. 2,199,590; May 7.
Door locking mechanism. O. Velle. 2,199,765; May 7.
Door on pneumatic unloaders, Double. H. Phelps. 2,199,894; May 7.
Door operating system, Elevator. E. M. Bouton. 2,200,074; May 7.
Douche appliance. L. B. Tucker. 2,199,844; May 7.
Doughnut machine. A. S. T. Lagaard. 2,199,854–5; May 7.
Drain. A. Ronning. 2,199,673; May 7.
Drain. A. Ronning. 2,199,675; May 7.
Drain assembly for washing machines and the like. A. H. Haberstump. 2,199,792; May 7.
Drawing mechanism. O. W. Schlums. 2,199,842; May 7.
Dump car. J. P. Anderson. 2,199,554; May 7.
Dye compounds and material colored therewith, Azo. J. G. McNally and J. B. Dickey. 2,200,005; May 7.
Dyestuff components, Improving the stability of alkaline solutions of phenolic azo. T. P. W. Sanders and J. van Rensen. 2,199,925; May 7.
Dyestuffs, Azo. H. Roos. 2,200,040; May 7.
Dyestuffs insoluble in water and fiber dyed therewith, Azo. W. Bröker. 2,199,814; May 7.
Dyestuffs of the naphthindenone series, Vat. K. Koeberle, W. Rohland, and C. Steigerwald. 2,199,566; May 7.
Dyestuffs of the peri-naphthindenone series, Vat. K. Koeberle, W. Rohland, and C. Steigerwald. 2,199,567; May 7.
Dyestuffs, Triarylmethane. K. Schmidt. 2,199,577; May 7.
Educational device. R. J. Jondreau. 2,199,497; May 7.
Educational device. R. M. Myers. 2,200,206; May 7.
Electric contact. F. R. Hensel, K. L. Emmert, and J. W. Wiggs. 2,199,458; May 7.
Electric fixture. G. Arras. 2,199,905; May 7.
Electric plug. E. A. Faller. 2,199,560; May 7.
Electric protective system. P. H. Chase. 2,199,658; May 7.
Electric resistor, Resin bonded. D. W. Light. 2,199,803; May 7.
Electric switch. B. Putterman and D. E. Reed. 2,200,218; May 7.
Electrical connector. S. Stambaugh. 2,199,599; May 7.
Electrical contact means. J. Sleplan. 2,200,125; May 7.
Electrical contact member. J. M. Kelly. 2,200,087–8; May 7.
Electrical contactor. G. C. Armstrong and D. Ellis. 2,200,070; May 7.
Electrical precipitation. E. Anderson. 2,199,390; May 7.
Electrical terminal. H. L. Coyne. 2,200,059; May 7.
Electrical transmission system. A. V. Bedford. 2,200,073; May 7.
Electrolytic condenser. S. Ruben. 2,199,446–7; May 7.
Electrolytic device. J. L. Collins and A. Durant, Jr. 2,199,519; May 7.
Electromagnetic material. J. L. McCowen. 2,199,526; May 7.
Electron device. K. Diels. 2,199,540; May 7.
Electron discharge device. H. G. Lubszynski. 2,199,438; May 7.
Electrostatic precipitator equipment. R. L. Hildebrand. 2,200,085; May 7.
Elliptic spring. T. R. Weber. 2,199,381; May 7.
Enclosure for railway motors. E. O. Mueller. 2,200,119; May 7.
Engine: *See*—
Fluid pressure operated engine. Internal combustion engine.
Engine cooling system. De V. V. Carter. 2,200,214; May 7.
Engines, Lubricating internal combustion. D. K. Badertscher. 2,200,051; May 7.
Envelope. P. I. Prentice. 2,200,099; May 7.
Esters of 6-amino-nicotinic acid. R. R. Renshaw and P. F. Dreisbach. 2,199,839; May 7.
Extractor: *See*—
Rotary extractor.
Extrusion device. F. P. Kretchmer. 2,199,825; May 7.
Fabric construction. E. C. Geier and J. Haesler. 2,199,400; May 7.
Fabrics, Production of warp knitted. P. Schönfeld. 2,199,449; May 7.
Fabric waterproofing composition. N. N. Gay. 2,199,933; May 7.
Fastener: *See*—
Shoelace fastener. Shunt wire fastener.
Fastener. E. F. Gaines. 2, 199,913; May 7.
Fastening, Concealed. F. A. Clarke. 2,200,158; May 7.
Fastening device. G. A. Tinnerman. 2,200,047; May 7.
Fastening-inserting machine. F. E. Stratton. 2,199,514; May 7.
Fastening, Method and means for. C. G. Olson. 2,200,227; May 7.
Feed control of water softening treatment for boilers, Sight. F. L. Overson. 2,199,728; May 7.
Feed mechanism for lathes. W. F. and W. L. Groene. 2,199,834; May 7.
Fence. H. W. M. Coleman. 2,199,518; May 7.
Fertilizer, Conditioning. H. J. Weitz. 2,200,107; May 7.
Filaments, Process and apparatus for handling elastic. F. J. Tobias. 2,199,550; May 7.
Film casting machine. R. B. Kenyon. 2,200,001; May 7.
Film marking apparatus. A. W. Tondreau. 2,199,764; May 7.
Film, Sound picture. W. L. Dawson. 2,199,559; May 7.
Filter: *See*—
Rapid sand filter. Wave filter.
Filter for the photography and projection of colored pictures. H. Sauer. 2,199,715; May 7.
Firearm, Automatic. M. Birkigt. 2,199,871–2; May 7.
Fish carrier. C. R. Shannon. 2,200,044; May 7.
Fishing rod holder. W. T. Legg. 2,200,183; May 7.
Fishing rod tip, Antifriction. F. W. Sebrean and M. A. Jardine. 2,199,861; May 7.
Flare, Signal. A. F. Godfrey and R. Wedgwood. 2,199,990; May 7.
Flash lamp. M. Pipkin. 2,199,857; May 7.
Flexible coupling. T. L. Fawick. 2,199,624; May 7.
Floor abrading machine. B. A. Casper. 2,199,615; May 7.
Floor panel for aircraft. G. E. Kloote. 2,199,938; May 7.
Flow visualizer. W. W. Geiser. 2,200,060; May 7.
Fluid controlling valve. P. K. Saunders. 2,199,549; May 7.
Fluid dispensing device. B. Johnsen. 2,199,800; May 7.

Fluid pressure operated engine. C. C. Matlock and B. Baldwin. 2,199,644; May 7.
Focusing adapter. J. Mihalyi. 2,200,007; May 7.
Food cutting and pressing machine. C. Lovelace. 2,200,032; May 7.
Food storage. A. W. Devout. 2,199,485; May 7.
Foot measuring apparatus. C. H. Brown. 2,200,223; May 7.
Footwear. A. Perugia. 2,199,713; May 7.
Force measuring device. E. Kruck. 2,199,955; May 7.
Fork. G. O. Kruger. 2,200,179; May 7.
Fountain bubbler, Drinking. J. F. Duncan. 2,200,079; May 7.
Frequency control circuit, Automatic. G. Mountjoy and C. W. Finnigan. 2,200,038; May 7.
Friction clutch. E. W. Jensen and C. E. Ives. 2,199,999; May 7.
Fuel burner, liquid. K. P. Brace. 2,199,777; May 7.
Fuel distribution, Coke oven. W. H. Pavitt. 2,199,961; May 7.
Fuel injection head. J. P. Burke. 2,199,739; May 7.
Fuse link. L. C. Hart. 2,199,746; May 7.
Fuse, Plug. F. C. La Mar. 2,199,835; May 7.
Fuse switch. T. Birkenmaier. 2,199,908; May 7.
Game. J. T. Brothers. 2,199,719; May 7.
Game. A. J. Jones. 2,199,461; May 7.
Game, Geographical. G. A. Kreitler. 2,199,499; May 7.
Game, Marble. F. H. King. 2,199,407; May 7.
Garment. J. H. Schweich. 2,199,578; May 7.
Garment. M. B. Teamer. 2,199,450; May 7.
Garment construction. S. Kann. 2,199,462; May 7.
Garment, Foundation. H. Mayonnade and C. W. Hine. 2,199,442; May 7.
Gas burner. E. F. Gorman. 2,199,951; May 7.
Gas heater. W. Hammick. 2,200,169; May 7.
Gas producer of the rotary grate type. K. Koller. 2,200,066; May 7.
Gas valve. A. H. Nelson. 2,200,187; May 7.
Gasket. H. Bohmer, Jr., and S. S. Lippincott. 2,200,212; May 7.
Gauge tool. J. Lamond. 2,200,181; May 7.
Gear: *See*—
Change-speed gear.
Hydraulic transmission gear.
Gear-coupler structure, Railway vehicle draft. C. L. Reid. 2,200,219; May 7.
Gear transmission, Friction. D. H. Heynau. 2,199,491; May 7.
Gearing, Engine starter. W. L. McGrath and M. P. Whitney. 2,199,505; May 7.
Geophysical exploration by time-variant electric currents. E. E. Rosaire and S. S. West. 2,200,096; May 7.
Gland, Packing. F. G. Beckman. 2,199,735; May 7.
Glass, Process and apparatus for tempering. H. Perry and A. W. Grotefeld. 2,199,511; May 7.
Glass refractory. J. H. Partridge. 2,199,856; May 7.
Glass tube cutter. F. E. de G. Moreira. 2,199,807; May 7.
Glove, Baseball. R. le Mat. 2,200,204; May 7.
Glove pressing machine. L. Brownstein. 2,199,778; May 7.
Gold refining. S. J. Blaut. 2,199,391; May 7.
Governor. J. S. Jennings, Jr. 2,200,065; May 7.
Grinder, Centerless. F. S. Haas. 2,199,457; May 7.
Grinder, Meat. L. Jaenichen. 2,199,704; May 7.
Grinding machine. F. A. Jones. 2,200,025; May 7.
Guard for paper cutters. W. C. Eickman. 2,199,743; May 7.
Guard, Hand. J. O. Boehme. 2,200,019; May 7.
Guide plug clamp, High pressure vented. J. J. Watson. 2,199,552; May 7.
Gun mount and swingable enclosure therefor, Aircraft. J. C. Sanders. 2,199,971; May 7.
Hanger for punching bags. W. E. Racicot. 2,199,858; May 7.
Harness, Measuring. M. L. Thompson. 2,199,530; May 7.
Harvester, Combine. R. G. Fleming. 2,199,488; May 7.
Harvester-thresher, Combination. S. C. Heth and W. B. Tallman. 2,199,629; May 7.
Hat box, Military. J. B. Shinberger. 2,199,716; May 7.
Hat-crown retainer. J. Sepe. 2,200,102; May 7.
Headdress. J. M. Dohen. 2,199,427; May 7.
Heat exchanger. P. R. Cassidy. 2,200,156; May 7.
Heater: *See*—
Automobile heater. Gas heater.
Auxiliary fireplace heater. Railroad switch heater.
Heater unit. G. E. Price. 2,199,650; May 7.
Heating elements, Manufacture of armored electric. A. Deroche. 2,199,879; May 7.
Heating system. R. Royall. 2,199,840; May 7.
Hinge. M. Witschi. 2,200,142; May 7.
Hood, Ventilator. G. Wolf. 2,200,014; May 7.
Hoist. F. P. Lawler. 2,199,668; May 7.
Holder: *See*—
Fishing rod holder. Wrench set holder.
Stamp holder.
Hopper for stokers and the like. R. E. Young. 2,199,770; May 7.
Hydraulic transmission gear. W. Christlein. 2,200,157; May 7.
Hydrocarbon mixtures, Treating. G. E. Saleh. 2,199,841; May 7.
Hydrocarbon reactions. V. N. Ipatieff and H. Pines. 2,199,564; May 7.
Hydrocarbons, Synthesis of chlorinated unsaturated. H. B. Kipper. 2,199,633; May 7.
Image analyzing and dissecting tube. B. C. Gardner. 2,200,166; May 7.
Imidazolines containing sulphuric acid radicals and preparing them. A. Chwala and E. Waldmann. 2,199,780; May 7.
Impact testing machine. H. Kudo. 2,200,028; May 7.
Impulsing mechanism, Power-driven. W. N. Ott. 2,199,443; May 7.
Indicator. J. T. Dickson. 2,199,784; May 7.
Indicator for night driving of automobiles. M. L. Goldberg. 2,200,167; May 7.
Infusion apparatus. B. B. Holmes. 2,199,502; May 7.
Inhalator. J. S. Herbert. 2,199,724; May 7.
Inks and making same, Spirit printing. H. A. Lubs and C. K. Black. 2,200,069; May 7.
Internal combustion engine. B. W. Bradfute, Jr. 2,200,199; May 7.
Internal combustion engine. M. Mallory. 2,199,706; May 7.
Internal combustion engine. L. M. Taylor. 2,199,423; May 7.
Internal combustion engine, Double-piston. B. Fiala-Fernbrugg. 2,199,625; May 7.
Iron: *See*—
Steam iron.
Jar, Straight pull tool. E. C. Hamm. 2,199,969; May 7.
Joint: *See*—
Slip joint.
Juice extracting machine. W. O. Brown. 2,199,876; May 7.
Ketones and conversion products thereof, Production of high-molecular unsaturated. K. Loewenberg and K. Smeykal. 2,200,216; May 7.
Ketones, Preparing higher halogenated. P. Heisel and A. Hendschel. 2,199,934; May 7.
Keys, Bank of switch. D. T. Cooper. 2,200,076; May 7.
Knitted cap. F. J. Wengen. 2,199,473; May 7.
Knitting machine. R. H. Lawson. 2,199,636; May 7.
Knitting machine, Circular. A. E. Page and H. Swinglehurst, Jr. 2,200,207; May 7.
Knitting machine, Circular. H. N. Sheppard. 2,200,209; May 7.
Knitting, System for controlling. W. Dubilier. 2,199,396; May *7*.
Lamp: *See*—
Desk lamp. Mercury vapor glow lamp.
Flash lamp.
Lamp and mirror structures, Combined. H. Konikoff. 2,200,114; May 7.
Lamp devices, Gaseous electric discharge. H. Alterthum and M. Pirani. 2,199,866; May 7.
Lamps, Manufacture of fluorescent. C. F. Swinehart and H. C. Froelich. 2,200,221; May 7.
Landing gear brake. J. T. Dickson. 2,199,785; May 7.
Lapping machine. H. S. Indge. 2,200,173; May 7.
Last. C. De Minico. 2,199,483; May 7.
Latch: *See*—
Automobile hood latch.
Legend sheet and method of application. W. W. Heintz. 2,200,203; May 7.
Lens mounting tool. W. R. Uhlemann. 2,199,581; May 7.
Lid, Stove. W. E. Kullberg. 2,200,180; May 7.
Lifeboat launching and releasing device. J. T. Dahl. 2,199,393; May 7.
Ligature for reed instruments. G. M. Bundy and E. Brand. 2,200,054; May 7.
Light: *See*—
Revolving reflector light.
Light control system. L. Dewan. 2,199,394; May 7.
Lighter, Electric. W. N. Kravchuk. 2,199,885; May 7.
Lime spreader, Motor truck. E. M. and J. C. Fulkerson. 2,200,165; May 7.
Liquid dispensing apparatus. W. M. Carroll. 2,199,480; May 7.
Liquors, Disposal of coke plant waste. J. H. Wells and P. J. Wilson, Jr. 2,199,767; May 7.
Listing machine. H. M. Fleming. 2,200,201; May 7.
Load limiting means for an electrical system. P. R. Lee and E. K. Clark. 2,199,639; May 7.
Loading, hauling, and dumping apparatus. L. W. Brooks. 2,200,020; May 7.
Lock: *See*—
Alarm lock. Cam lock.
Lock-actuating structure. A. L. Bresch. 2,199,613; May 7.
Lock and switch mechanism, Elevator. A. Vacca. 2,199,471; May 7.
Locomotive control system. L. J. Hibbard. 2,200,084; May 7.
Loom. J. A. Woods. 2,199,515; May 7.
Lubricant, A. J. van Peski and J. A. van Melsen. 2,199,944; May 7.
Lubricant, Anhydrous. M. T. Flaxman. 2,199,695; May 7.
Machine debris discharger, Cylinder refinishing. O. Schumacher. 2,199,652; May 7.
Machine for cutting, lifting, and conveying peat sods. J. Steinert. 2,200,137; May 7.
Machine for polishing metal powders. H. H. Mandle. 2,199,707; May 7.

Machine for separating shoes from lasts. A. L. Jalbert. 2,199,492; May 7.
Machine for sharpening the points of twist drills or the like. J. Armand. 2,199,773; May 7.
Machine for slitting and trimming plastic webs. F. A. Parkhurst. 2,199,648; May 7.
Machine for unwinding a web of material. W. R. Kent. 2,199,594; May 7.
Magnet device for producing axially symmetrical magnetic fields, Permanent. F. H. Nicoll. 2,200,039; May 7.
Make-up cap. A. E. Dixon. 2,199,395; May 7.
Mandrel attachment for pickling machines. S. Nyberg. 2,199,412; May 7.
Marking mechanism for seed planters. W. G. Stevens, Jr. 2,199,421; May 7.
Mask. E. W. Bullard. 2,199,690; May 7.
Match book cover. R. S. Berry. 2,199,610; May 7.
Material, Art of winding flexible. R. M. Johnstone. 2,200,000; May 7.
Material, Method of and apparatus for feeding web. D. E. Maxfield. 2,199,708; May 7.
Materials, Method and apparatus for digesting cellulosic. A. D. Merrill. 2,200,034; May 7.
Matrix assembler for typographical machines. C. E. Cook. 2,200,022; May 7.
Mattress. J. P. Riley. 2,200,011; May 7.
Measuring apparatus. R. E. Woolley. 2,199,769; May 7.
Meats, Cooking. K. E. Bemis. 2,199,584; May 7.
Mechanical clearance regulator. O. M. Burkhardt. 2,200,152; May 7.
Mechanical movement for chenille, embroidery, and other machines. K. Meier. 2,199,805; May 7.
Mercury vapor glow lamp. J. W. Marden and M. G. Nicholson, Jr. 2,199,956; May 7.
Metal articles, Sizing and riveting porous. J. H. Davis. 2,199,620; May 7.
Metal, Drawing. J. W. French, A. J. Andre, and L. A. Teachout. 2,199,627; May 7.
Metal for paint, Cleaning and preparing. H. R. Neilson. 2,199,712; May 7.
Metal panel cutter. G. M. Walraven. 2,199,380; May 7.
Metals from alloys and metallurgical residues, Recovery of. C. B. White. 2,200,139; May 7.
Metals, Surface treatment of. J. C. Redmond and R. W. Hodil. 2,199,418; May 7.
Meter: *See*—
Parking meter. Watt-hour meter.
Microphone, Condenser. R. Horkheimer. 2,199,432; May 7.
Milk can cover. L. J. Hois and A. C. Sladky. 2,199,953; May 7.
Milking apparatus. C. H. Hapgood. 2,199,821; May 7.
Milling machine, Pattern controlled. M. E. Martellotti. 2,199,465; May 7.
Moisture eliminator, Aggregate. A. C. Kennedy. 2,199,884; May 7.
Mortician's clamp. O. E. Davis. 2,199,949; May 7.
Motor: *See*—
Reciprocating hydraulic motor.
Motor control system. B. O. Austin and G. L. Moses. 2,200,072; May 7.
Motor control system. S. H. Swarthout. 2,199,600; May 7.
Motor control system. C. T. Wallis. 2,199,601; May 7.
Motor control system, Synchronous. J. G. Stephenson. 2,200,105; May 7.
Motor vehicle. F. C. Best. 2,199,517; May 7.
Mount, Gun. R. J. Lennon. 2,199,410; May 7.
Mount making machine. F. B. Iden. 2,199,852; May 7.
Mounting: *See*—
Pole mounting. Tank mounting.
Mounting for vehicles, Compensating wheel. G. L. Larison. 2,199,409; May 7.
Mower, Lawn. H. C. Limbach. 2,199,919; May 7.
Multiplying machine. J. W. Bryce and A. H. Dickinson. 2,199,650; May 7.
Multiplying machine. C. Campbell. 2,199,537; May 7.
Musical instrument. H. M. Brockway. 2,199,948; May 7.
Nail driver. J. Fleischman. 2,199,833; May 7.
Nail guide, Fracture. W. W. Nauth. 2,200,120; May 7.
Navigation apparatus. P. Sordoillet. 2,199,763; May 7.
Needle, Phonograph. M. A. Miller. 2,199,923; May 7.
Net for basketball goal. J. H. Bennett. 2,199,609; May 7.
Network relay adjusting device. W. K. Sonnemann. 2,200,104; May 7.
Nitrogen trichloride, Producing. E. Staudt. 2,199,942; May 7.
Nitro-salicylidene compounds. E. C. Britton and C. L. Moyle. 2,199,389; May 7.
Noise limiting circuit. G. Mountjoy. 2,200,036; May 7.
Notebook. C. Block. 2,200,146; May 7.
Nozzle and adjustable brush therefor, Suction cleaner. E. F. Martinet. 2,199,643; May 7.
Nozzle, Dispensing. R. W. Benofsky and H. H. Daniels. 2,199,947; May 7.
Oil burner. W. J. Young. 2,199,771; May 7.
Oil burning appliances, Promoting combustion in. C. Scott-Snell. 2,199,826; May 7.
Oil for oil burners, Preheating. R. F. Andler and G. R. Koeln. 2,199,454; May 7.
Oil, Treating tall. E. Segessemann. 2,199,653; May 7.
Oil well rig. M. E. Bolles. 2,199,873; May 7.
Oiling device. F. Frelin. 2,199,699; May 7.
Oiling system. F. G. Eilers. 2,199,912; May 7.
Oils, Refining hydrocarbon. J. Walsko. 2,199,930–1; May 7.
Oils, Treating synthetic lubricating. H. Stokman. 2,199,940; May 7.
1-methyl-4-chloro-5-hydroxy naphthalene-1-sulphonic acid, Manufacture of. H. Lange and O. Hoffman. 2,199,568; May 7.
Opacifier for vitreous enamels. W. J. Harshaw and W. D. Stillwell. 2,199,794; May 7.
Opacifier for vitreous enamels. W. J. Harshaw and W. D. Stillwell. 2,200,170; May 7.
Operating mechanism for washing machine assemblies. T. W. Kaestner. 2,200,175; May 7.
Optical scanning apparatus using mirror helix. H. E. Ives. 2,199,433; May 7.
Ordnance, Piece of. P. E. J. Denoix. 2,199,878; May 7.
Ore, Treating iron. K. M. Simpson. 2,199,654; May 7.
Ores, Concentrating radium bearing. H. Fleck. 2,199,697; May 7.
Organic compounds, Production of oxygenated. W. A. Bone and D. M. Newitt. 2,199,585; May 7.
Oscillation apparatus, Ultra-high-frequency. W. Dallenbach. 2,200,023; May 7.
Oven reinforcing means, Coke. C. Otto. 2,199,510; May 7.
Oven, Underfired regenerative coke. W. Stäckel. 2,199,513; May 7.
Package, Dispensing. R. Bunch. 2,199,657; May 7.
Packing material. W. A. Hermanson. 2,200,171; May 7.
Panel, Circuit control. R. B. Hunter. 2,199,563; May 7.
Panel for building construction. C. D. Bowser. 2,199,586; May 7.
Panels, Preparing inner trim. A. J. Jarosik. 2,199,918; May 7.
Paper feeding device. F. M. Carroll. 2,199,556; May 7.
Paper, Making. H. D. Meincke. 2,199,750; May 7.
Paper making machine. G. T. Lane and W. Butterfield. 2,200,002; May 7.
Paper package. T. J. Salsman. 2,199,676; May 7.
Paper package, Dispensing. D. Bensel. 2,200,111; May 7.
Paper Roll. C. Davis. 2,200,160; May 8.
Papers having low affinity for adhesives, Manufacture of. F. Strovink. 2,199,862; May 7.
Parking meter. I. E. McGehee and L. W. Krall. 2,199,646; May 7.
Pedal assembly, Foot. A. V. Romberger. 2,199,963; May 7.
Pellicle, Cellulosic. W. F. Underwood. 2,199,927; May 7.
Perforator, Can. R. C. Kulling. 2,200,029; May 7.
Phase indicating means. C. C. Shutt. 2,200,103; May 7.
Phenols, Extraction of. A. Dierichs and H. Martini. 2,199,786; May 7.
Photograph. J. R. Alburger. 2,199,902; May 7.
Photographic developer. J. R. Alburger. 2,199,904; May 7.
Photographic development. J. R. Alburger. 2,199,903; May 7.
Photographic device for vacuum apparatus. L. Marton. 2,200,095; May 7.
Photographic printing. M. H. Tucker. 2,199,580; May 7.
Photography, Polychrome. J. P. Bertrand. 2,200,018; May 7.
Pillow, Anesthesia. J. T. Cappel. 2,199,479; May 7.
Pipe: *See*—
Tobacco pipe.
Pipe coupling, Irrigating. O. Knoerzer. 2,199,939 May 7.
Pipe wrench. J. W. McNeil. 2,200,093; May 7.
Piston. W. W. Flinchum. 2,199,950; May 7.
Piston construction. A. M. Alexandrescu. 2,200,015; May 7.
Pistons, Expanding. A. Wiebke. 2,199,474; May 7.
Planter. W. G. Stevens, Jr. 2,199,422; May 7.
Plates for printing in lithographic manner, Production of. W. H. Wood. 2,199,865; May 7.
Playing apparatus. P. J. Plouvier. 2,200,190; May 7.
Pleating machine. W. P. Osgood. 2,199,808; May 7.
Plug: *See*—
Electric plug.
Plug connector. F. J. Dekay. 2,199,782; May 7.
Plywood for road material, Rubber coated. C. U. Gramelspacher. 2,199,700; May 7.
Pneumatic pump. L. E. Russell and G. E. Peters. 2,200,012; May 7.
Pocketknife. F. H. Greve. 2,199,430; May 7.
Pole mounting. M. C. Stringer. 2,199,897; May 7.
Power drilling rig, Hydraulic. W. T. Caldwell. 2,200,075; May 7.
Power take-off for automobiles. J. A. Courville. 2,199,659; May 7.
Power transmission cable. C. N. Metcalf. 2,199,892; May 7.
Power transmitting device. H. T. Atkinson. 2,199,867; May 7.
Press: *See*—
Web printing press.
Press brake. W. G. Wehr. 2,199,864; May 7.
Press washing device, Printing. J. L. Seel and C. M. Mueller. 2,199,469; May 7.
Pressing table. M. Di Mauro. 2,200,132; May 7.

Printer, Motion picture. E. W. Kellogg. 2,200,086; May 7.
Printing means. H. E. Sheeler and R. O. Engelauf. 2,199,973; May 7.
Printing mechanism. F. L. Fuller and H. S. Beattie. 2,199,561; May 7.
Projector framing device. H. A. De Vry. 2,200,161; May 7.
Propeller. P. Kessery. 2,199,823; May 7.
Proportioning control system. L. L. Cunningham. 2,199,910; May 7.
Protector for tubular objects. H. R. Mazurie. 2,199,749; May 7.
Pulverizer. C. J. Peterson. 2,199,729; May 7.
Pump: *See*—
Pneumatic pump. Vacuum pump.
Submersible pump.
Punch, die, and press assembly. E. S. Cornell, Jr. 2,199,830; May 7.
Purse. H. E. Bouges. 2,200,147; May 7.
Pusher car. E. W. Taylor. 2,199,470; May 7.
Rack: *See*—
Container and display rack.
Radio decoupling system for excessive amplitudes. P. M. Haffcke. 2,199,401; May 7.
Radio receiver. E. F. Andrews. 2,199,555; May 7.
Radio system and method of navigation. A. F. Hegenberger. 2,199,402; May 7.
Railroad switch heater. W. E. Palmer. 2,199,960; May 7.
Rapid sand filter. M. J. Martin. 2,199,801; May 7.
Rayon, Method and apparatus for liquid treatment of. G. M. Allen, H. J. McDermott, and J. W. Pedlow. 2,200,197; May 7.
Receptacle: *See*—
Ash receptacle. Utility receptacle;
Receptacle cover. H. O. Dillard. 2,199,787; May 7.
Receptacle for tooth paste. J. Cervera. 2,199,877; May 7.
Reciprocating hydraulic motor. E. E. Arnold. 2,200,071; May 7.
Record perforating device. J. R. Peirce. 2,199,547; May 7.
Record, Sound. J. O. Baker. 2,199,606; May 7.
Reel: *See*—
Wire reel.
Reflecting system having two plane reflecting surfaces. U. Schmidt. 2,199,843; May 7.
Reflector device for indicating the position of a car. M. L. Goldberg. 2,200,168; May 7.
Refrigerating apparatus. R. W. Doeg. 2,199,486; May 7.
Refrigerating apparatus. J. W. Jacobs. 2,199,798; May 7.
Refrigerating apparatus. A. D. Karr. 2,199,463; May 7.
Refrigerating apparatus. D. L. Kaufman. 2,199,498; May 7.
Refrigerating apparatus. C. E. Lewis. 2,200,215; May 7.
Refrigerating apparatus. L. A. Philipp. 2,199,415; May 7.
Refrigerating apparatus. R. M. Smith. 2,199,762; May 7.
Refrigerating apparatus. F. L. Tarleton. 2,200,222; May 7.
Refrigerating plant, Electrically operated vacuum. W. von Sauer. 2,200,138; May 7.
Refrigerating unit. L. Patrignani. 2,199,413; May 7.
Refrigeration apparatus. C. R. Buchet. 2,199,779; May 7.
Refrigeration, Household. L. F. Whitney. 2,199,976; May 7.
Refrigerator. W. T. Hedlund. 2,199,881; May 7.
Regulating device for air heating plants in railway vehicles, Automatic. F. von Schütz and B. Vogée. 2,199,531; May 7.
Regulator: *See*—
Air circulator and temperature regulator. Mechanical clearance regulator.
Relay. J. E. Ostline. 2,199,570; May 7.
Releasing device for electric switches. E. Besag. 2,199,477; May 7.
Relief valve. H. J. Sands. 2,200,124; May 7.
Resinous composition. G. S. Welth. 2,199,900; May 7.
Resins, Stabilization of polyvinyl. J. B. Hale. 2,199,992; May 7.
Resistor, Woven. R. E. Tarpley. 2,199,810; May 7.
Reverse clutch. C. M. Anderson. 2,199,582; May 7.
Revolving reflector light. F. B. Lehman. 2,200,067; May 7.
Rings of ring spinning and ring twisting machines, Fixing means for traveler. C. F. Hofmann. 2,199,795; May 7.
Rocker arm. A. H. Haberstump. 2,199,914; May 7.
Rod: *See*—
Coated welding rod. Curtain rod.
Connecting rod.
Roll assembly, Squeeze. G. R. Keltie. 2,200,176; May 7.
Roll, Suction. E. E. Berry. 2,199,455; May 7.
Roofing. C. C. Schuetz. 2,199,760; May 7.
Roofing, Making. F. G. Eichhorn. 2,199,660; May 7.
Roofing, Sheet metal. N. B. Randolph. 2,199,924; May 7.
Rotary converting system, Electric. J. C. and W. A. MacFarlane. 2,199,441; May 7.
Rotary cutting tool. T. G. Törnebohm. 2,199,379; May 7.
Rotary extractor. A. E. Van Wirt. 2,199,928; May 7.
Rotary table, Portable. F. G. Beckman. 2,199,734; May 7.
Rubber articles, Method and apparatus for producing. R. H. Guinzburg. 2,199,790; May 7.
Rubber, Process of vulcanizing. D. J. Beaver. 2,199,979; May 7.
Safety device, Backfire. F. S. Orem. 2,200,010; May 7.
Safety device for presses. B. J. Victor. 2,199,766; May 7.
Safety device for punch presses. J. MacBlane. 2,199,501; May 7.
Safety device for rotary drilling rigs. T. A. Taylor and C. F. McComas. 2,200,210; May 7.
Salts, Stabilizing organic heavy metal. M. Bogdan. 2,199,828–9; May 7.
Sanding block. C. W. Reichel. 2,199,962; May 7.
Sash supporting and locking means, Window. E. De Nicolais. 2,199,484; May 7.
Saw, Hay cutting. J. J. Conover. 2,199,618; May 7.
Screen stretching structure. G. A., G., and C. Overstrom. 2,199,596; May 7.
Scrubbing device. A. S. Juelson. 2,200,026; May 7.
Seal. L. A. Buell. 2,200,149; May 7.
Seal construction. O. M. Burkhardt. 2,200,151; May 7.
Seal, Shaft. F. Shenton. 2,199,761; May 7.
Seam welding for high speed welding, Electronic. J. W. Dawson. 2,200,077–8; May 7.
Seat construction. C. H. Widman. 2,199,382; May 7.
Seeder attachment for disc harrows. W. R. Pyron. 2,199,755; May 7.
Self-propelled pusher car. A. M. Holcomb. 2,199,460; May 7.
Sequential controller. R. E. Bassett, Jr. 2,199,775; May 7.
Sewing machines, Automatic tension release for blind stitch. C. W. Mueller. 2,199,751; May 7.
Sewing machines, Feeding mechanism for. H. Hacklander and G. Sauer. 2,199,663; May 7.
Sewing machines, Feeding mechanism for. F. A. Kucera. 2,199,666; May 7.
Shaving device, Motor driven. W. J. Whitton. 2,199,768; May 7.
Shaving implement. J. Muros. 2,200,185; May 7.
Shaving implement, Dry. J. Muros. 2,200,186; May 7.
Sheets, Manufacture of laminated. A. Renfrew and W. E. F. Gates. 2,199,597; May 7.
Shield, Bathtub modernizing. A. P. Gwynn. 2,199,791; May 7.
Shock absorber, Hydraulic. C. K. Elliott. 2,199,880; May 7.
Shoe. J. Fein. 2,200,080; May 7.
Shoe construction. W. H. Joyce, Jr. 2,199,853; May 7.
Shoe construction. D. E. Levin and J. W. McGee. 2,200,068; May 7.
Shoelace fastener. C. J. Rio. 2,199,758; May 7.
Shoes, Manufacture of thick-soled or platform. F. L. Ayers. 2,199,868; May 7.
Shore. H. J. Baker. 2,199,605; May 7.
Shorts. H. D. Konski. 2,200,090; May 7.
Shower head. L. Bruzaud. 2,199,478; May 7.
Shunt wire fastener. A. B. Weeks. 2,199,532; May 7.
Shuttle. H. H. Burdett. 2,200,213; May 7.
Sickle device. S. V. Maninger. 2,199,642; May 7.
Signal: *See*—
Automobile stop signal. Traffic signal.
Signal means for compressed fluid delivering apparatus. M. Horn and J. Ross. 2,200,113; May 7.
Signal system, Traffic. J. N. Paul. 2,199,574; May 7.
Signal translating apparatus. W. D. Phelps. 2,200,097; May 7.
Signaling and switching device, Nonsparking electromagnetic. E. T. Burton and A. M. Curtis. 2,199,909; May 7.
Signaling apparatus, Railway. P. N. Martin. 2,199,957; May 7.
Signaling apparatus, Railway. F. H. Nicholson. 2,200,188; May 7.
Signaling means, Safety. C. H. Hobson. 2,199,996; May 7.
Signaling system. F. S. Kinkead. 2,199,824; May 7.
Silver halide emulsions, Sensitizing. W. König. 2,199,542; May 7.
Sirup, Sugar. M. R. Jones. 2,199,522; May 7.
Ski-binding device. E. R. Keller. 2,199,937; May 7.
Ski climbing device. A. P. Coffin. 2,199,721; May 7.
Sled. G. L. Sherwood. 2,199,680; May 7.
Slicing-machine slice-stacking mechanism. W. A. van Berkel. 2,199,943; May 7.
Sling, Hoisting. A. Mazzella. 2,199,958; May 7.
Slip joint, Resilient. B. A. Swennes. 2,199,926; May 7.
Snowplow. G. L. Kaeser. 2,199,593; May 7.
Snowplow structure. M. Garland and E. Greer. 2,199,723; May 7.
Soap dispenser. A. T. De Sipio, J. Bonglovanni, and J. J. Ricci. 2,200,024; May 7.
Sound locator apparatus. F. R. House. 2,199,404; May 7.
Sound recording. G. L. Dimmick. 2,199,621; May 7.
Sound recording and reproducing apparatus. E. W. Sparling. 2,199,420; May 7.
Sound reproduction, Method and apparatus for. F. Steube. 2,200,106; May 7.

Space discharge apparatus and circuits. R. A. Heising. 2,200,063; May 7.
Spark control device. L. F. Sarnes. 2,200,043; May 7.
Speed reducing mechanism. F. Travnicek. 2,199,682; May 7.
Speed transmission, Variable. W. P. Schmitter. 2,200,101; May 7.
Spring: *See*—
Elliptic spring.
Springing arrangement. O. Siebler and W. Boxan. 2,199,896; May 7.
Springing for railway trucks. C. D. Barrett and C. R. Whitehead. 2,199,907; May 7.
Springs in automobiles, Mounting of axle. M. Klavík. 2,200,177; May 7.
Sprinkler, Lawn. A. Anderson. 2,200,017; May 7.
Sprocket wheel. W. C. Boldt. 2,199,688; May 7.
Stabilizing device. G. Z. von Manteuffel. 2,200,196; May 7.
Stamp holder. W. Betz. 2,199,456; May 7.
Stapling machine. A. H. Schmidtke. 2,199,679; May 7.
Star, Decorative. J. C. Koonz. 2,199,435; May 7.
Starter drive. W. O. Rose. 2,199,714; May 7.
Steam iron, Electric. J. T. and C. Edwards. 2,199,911; May 7.
Steamer. G. I. Sipe. 2,200,192; May 7.
Stereoscopic apparatus. C. D. Moriarty. 2,199,959; May 7.
Stockings, Drying. F. Schuster. 2,200,191; May 7.
Stone for treatment by sandblasting, Preparing. J. H. Behee. 2,199,980; May 7.
Stop mechanism, Warp. C. D. Brown. 2,200,148; May 7.
Stopper. A. F. Rook. 2,199,964; May 7.
Stopper for thermos bottles. A. T. Antonson. 2,199,732; May 7.
Stove board. S. F. Jackes. 2,199,916; May 7.
Stove, Heating. M. L. Brogden. 2,199,875; May 7.
Strainer, Milk. A. W. Franzmeier. 2,199,698; May 7.
Straining equipment. D. R. McNeal. 2,199,709; May 7.
Strip, Method and apparatus for annealing. R. J. Wean. 2,199,472; May 7.
Submersible pump. J. M. Hait. 2,199,490; May 7.
Sulphates of unsaturated alcohols. C. O. Henke and F. M. Schofield. 2,199,403; May 7.
Sulphation, Process of. M. Engelmann. 2,199,398; May 7.
Support: *See*—
Tank support.
Surface active material. M. Engelmann. 2,199,397; May 7.
Surge responsive device. E. R. Whitehead. 2,200,233; May 7.
Sweep, Sewer. R. T. Quick. 2,199,651; May 7.
Sweeper, Street. F. G. Hough. 2,199,703; May 7.
Switch: *See*—
Electric switch. Time switch.
Fuse switch. Wind switch.
Thermostatic switch.
Table: *See*—
Card table. Rotary table.
Pressing table. Wall cabinet table.
Table. W. R. Sharp. 2,199,895; May 7.
Table and pack-off head, Combination rotary. F. G. Beckman. 2,199,733; May 7.
Tabulating machine. G. V. A. Malmros. 2,199,544; May 7.
Tank mounting. J. Bernstein. 2,199,737; May 7.
Tank support. E. L. Chappell. 2,199,481; May 7.
Tappet-lock for cone boxes in a cone-baking machine. G. G. Buttermann. 2,200,056; May 7.
Target apparatus. A. D. Hamilton. 2,199,701; May 7.
Tea bag. O. Jablon. 2,199,406; May 7.
Telephone and communicating key box, Combined. S. A. Beyland. 2,199,686; May 7.
Telephone signaling system. W. H. T. Holden. 2,199,431; May 7.
Telephone system. P. Bakker. 2,199,534; May 7.
Telephone system. C. E. Lomax. 2,199,543; May 7.
Television and like receiver. T. C. Nuttall. 2,200,009; May 7.
Television system. R. Urtel. 2,200,048; May 7.
Television transmitter, Electronic. R. Barthelemy. 2,199,608; May 7.
Tension device for spinning machines. D. C. Hardie. 2,199,591; May 7.
Terminal outlet for industrial furnaces. G. P. Lessmann. 2,200,115; May 7.
Textile material. D. Finlayson and J. F. Levers. 2,199,429; May 7.
Textile product. D. Finlayson and J. F. Levers. 2,199,428; May 7.
Textiles, Producing shrinkage effects in. P. Schlack. 2,200,134; May 7.
Therapeutic apparatus for vapor treatment of the ear. J. J. Nowak. 2,200,008; May 7.
Thermostat. P. R. Lee. 2,199,638; May 7.
Thermostatic control. E. H. Piron. 2,199,730; May 7.
Thermostatic control device. W. A. Paulson. 2,199,416; May 7.
Thermostatic device. J. D. Bolesky. 2,199,388; May 7.
Thermostatic switch. J. D. Bolesky. 2,199,387; May 7.
Thread cutting mechanism. H. J. Lanier. 2,200,182; May 7.
Thread from rubber latex, Process and apparatus for spinning rubber. T. Inokuchi and U. Kawarahata. 2,199,882; May 7.
Ticket checking and dispensing apparatus, Admission. G. D. Roedels. 2,200,123; May 7.
Ticket, Pin. C. A. Flood. 2,199,968; May 7.
Tieback. H. E. Thoms. 2,199,717; May 7.
Time switch. H. H. Andersen. 2,200,110; May 7.
Timing device. I. E. McGehee. 2,199,645; May 7.
Tire, Pneumatic. C. H. McRaven. 2,199,466; May 7.
Tires, Utilization of discarded. F. Wolf. 2,199,845; May 7.
Tobacco feeding mechanism for cigarette making machines. J. Shackleton. 2,199,579; May 7.
Tobacco pipe. K. F. J. Kirsten. 2,200,236–7; May 7.
Toe-trimming machine. W. T. B. Roberts. 2,199,512; May 7.
Toilet article retainer. L. Straus. 2,200,046; May 7.
Tool: *See*—
Circumorbital cutting tool. Gauge tool.
Compound tool. Lens mounting tool.
Cutting tool. Rotary cutting tool.
Tool joint for drill stems. W. V. Bowles. 2,199,738; May 7.
Tools, Hand piece for power driven. J. Hyde. 2,199,726; May 7.
Toothbrush. E. A. McManis and W. S. Uhler. 2,199,922; May 7.
Top lift slab, Making a. W. Wood, Jr. 2,199,811; May 7.
Torque measuring wrench. H. W. Zimmerman. 2,199,553; May 7.
Tourniquet applicable for the determination of blood pressure, Registering. E. J. La Liberte. 2,199,408; May 7.
Tractor attachment for automobiles. L. E. Wilson and E. E. Baughn. 2,199,684; May 7.
Traffic control system. J. L. Biach and H. A. Wilcox. 2,199,571; May 7.
Traffic controlling apparatus, Railway. C. M. Hines and B. E. O'Hagan. 2,199,952; May 7.
Traffic signal. J. N. Paul. 2,199,572–3; May 7.
Transmission for automatic turners. L. J. Leishman. 2,200,003; May 7.
Transmission mechanism. G. Sauer. 2,199,678; May 7.
Transporting and dumping vehicle. G. R. Dempster. 2,199,520; May 7.
Trash and water eliminator. R. A. Brand. 2,199,874; May 7.
Tray, Ice. C. R. Carney. 2,199,740; May 7.
Trick device. K. S. Franke. 2,199,818; May 7.
Trimming machine. J. E. McIntire. 2,199,506; May 7.
Trolley frog and approach end. S. S. Stolp. 2,199,941; May 7.
Trough, Hog. R. Buck. 2,199,587; May 7.
Truss. R. E. Merritt. 2,200,217; May 7.
Tube: *See*—
Current glow tube.
Image analyzing and dissecting tube.
Tubes, Forming. C. Wright. 2,199,602; May 7.
Tubing cutter. C. Howard. 2,200,172; May 7.
Tubing, Restrictor. J. Karmazin. 2,199,631; May 7.
Turbine. L. D. Millard. 2,199,595; May 7.
Tweezers. W. A. Wood. 2,199,685; May 7.
Type for superimposed printing, Preparation of. G. W. Bungay. 2,199,614; May 7.
Typewriting machine. C. H. Beiderbecke. 2,199,535; May 7.
Typographical composing machine. G. W. Allan and A. H. Simpson. 2,199,772; May 7.
Uranium and vanadium from carnotite ores, Recovery of. H. Fleck. 2,199,696; May 7.
Utility receptacle. J. Visser. 2,199,898; May 7.
Vacuum breaker. B. Marsak. 2,200,033; May 7.
Vacuum pump. E. J. Beach. 2,200,198; May 7.
Valve: *See*—
Fluid controlling valve. Relief valve.
Gas valve.
Valve. J. K. Lund. 2,199,439; May 7.
Valve assembly, Compressor. J. H. H. Voss. 2,199,452; May 7.
Valve device. J. M. Larson. 2,200,226; May 7.
Valve for water faucets. C. Kovach. 2,200,091; May 7.
Valve operating structure. A. G. Blanchard. 2,199,611; May 7.
Vehicle: *See*—
Motor vehicle.
Transporting and dumping vehicle.
Vehicle. A. Dabrasky. 2,199,392; May 7.
Vehicle body, Structural steel. A. L. Luce. 2,199,886; May 7.
Vehicle control mechanism. R. S. Sanford. 2,200,013; May 7.
Vehicle lifting apparatus. P. J. Kroll. 2,199,524; May 7.
Ventilating building structure. M. G. Lee. 2,200,031; May 7.
Ventilator. G. R. Siefken. 2,200,045; May 7.
Vessel, Combination cooking. E. W. Blankenship. 2,199,687; May 7.
Vibrator. A. S. Nace. 2,199,508; May 7.
Vibrator and circuit for same. S. F. James. 2,200,064; May 7.
Vibrator, Body. W. D. Spencer. 2,199,965; May 7.
Vise, Jar. W. Yeatts. 2,199,516; May 7.

Vitamin compositions, Preparation of. K. C. D. Hickman. 2,199,995; May 7.
Voltmeter for high voltage, High-frequency. L. Rohde. 2,199,757; May 7.
Volume control, Automatic. Y. B. F. J. Groeneveld. 2,200,062; May 7.
Volume control circuit, Automatic. G. Mountjoy and E. W. Wilby. 2,200,037; May 7.
Wall cabinet table. A. B. Bell. 2,199,981; May 7.
Wallboard having a cementitious core, Manufacture of. T. P. Camp and J. Page. 2,200,155; May 7.
Washer: *See*—
Air washer.
Washing apparatus. E. S. Stoddard and P. K. Borman. 2,200,127; May 17.
Washing machine. L. Zimarik. 2,200,144; May 7.
Waste disposal unit. M. J. Green. 2,200,061; May 7.
Watt-hour meter, Multielement. S. S. Green. 2,199,991; May 7.
Wave filter. W. P. Mason. 2,199,921; May 7.
Weather strip device. J. C. and J. F. Rogers. 2,199,860; May 7.
Weaving device. C. J. Long, E. J. Johnson, and N. Swindells. 2,199,437; May 7.
Web-feeding and end-gumming machine. R. F. Ohntrup. 2,199,753; May 7.
Web printing press, Rotary. H. M. Barber. 2,199,812; May 7.
Weight relieving device. J. L. Barr. 2,199,870; May 7.
Welded construction. B. Strauss. 2,200,229; May 7.
Welding machine, Resistance line. R. A. Gilbert. 2,200,112; May 7.
Well reamer. A. C. Catland. 2,199,693; May 7.
Wetting, cleaning, and emulsifying agent. R. W. Mitchell. 2,199,806; May 7.
Wheel: *See*—
Sprocket wheel.
Wheel cover. G. A. Lyon. 2,199,890; May 7.
Wheel disk and wheel assembly. G. A. Lyon. 2,199,888; May 7.
Wheel structure and assembly. G. A. Lyon. 2,200,205; May 7.
Wind switch. E. M. Claytor. 2,199,617; May 7.
Window construction. N. E. Griffin. 2,199,562; May 7.
Wire-drawing apparatus. C. D. Johnson. 2,199,494–6; May 7.
Wire-drawing machine, Continuous. C. D. Johnson. 2,199,493; May 7.
Wire, Making Fourdrinier. A. Purves. 2,199,417; May 7.
Wire reel. J. E. Whitaker. 2,199,901; May 7.
Wire tying machine. V. F. Zaremba and S. P. Osuch. 2,200,234; May 7.
Wrench: *See*—
Pipe wrench. Torque measuring wrench.
Wrench set holder. C. H. Chur. 2,199,984; May 7.
Wringer. E. H. Bard. 2,199,906; May 7.
Yarn conditioning process and composition therefor. J. B. Dickey and J. G. McNally. 2,199,988–9; May 7.
Yarn treating process and composition therefor. J. B. Dickey and J. B. Normington. 2,199,986; May 7.
Yeast, Manufacture of. G. de Becze. 2,199,722; May 7.

CLASSIFICATION OF PATENTS

ISSUED MAY 7, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aaroe, A., & Son, Soledad, Calif. Onions. Serial No. 429,638; May 14. Class 46.

Aleo Mills, Inc., New York, N. Y. Cotton and/or rayon piece goods. Serial No. 430,170; May 14. Class 42.

All-Up Co. (See Lund, Genevieve G.)

Alsan Carved Wedding Ring Co. (See Frackman, Hyman.)

Altman Neckwear Corp., New York, N. Y. Neckties. Serial No. 429,925; May 14. Class 39.

American Bemberg Corporation, New York, N. Y. Piece goods. Serial No. 428,852; May 14. Class 42.

American Bemberg Corporation, New York, N. Y. Piece goods. Serial No. 429,155; May 14. Class 42.

American Spectacle Co., Inc., New York, N. Y. Spectacles and goggles and lenses therefor. Serial No. 429,593; May 14. Class 26.

Amhalite Company, The, New York, N. Y. Cement-like composition. Serial No. 426,621; May 14. Class 1.

Anderson, Albert L., doing business as Man-E-Mor Coffee Co., Chicago, Ill., and Oskosh, Wis. Coffee. Serial No. 429,031; May 14. Class 46.

Andromachus Corporation, The, New York, N. Y. Halibut liver oil, tonic preparations, laxatives, etc. Serial No. 428,602; May 14. Class 6.

Arndt, Ellis, and Max Singerman, New York, N. Y. Mechanical foot manipulator apparatus. Serial No. 428,062; May 14. Class 44.

Artichokes, Ltd., Campbell, Calif. Canned hearts of artichokes, artichoke cream pulp, and bread. Serial No. 420,843; May 14. Class 46.

Austenal Laboratories, Inc., New York, N. Y. Swaged metal denture bases, as well as various forms of wires and wire products, etc. Serial No. 430,005; May 14; Class 44.

B. W. S. Company, Inc., Jersey City, N. J. Liniment. Serial No. 428,948; May 14. Class 6.

Babs Creations, Inc., New York, N. Y. Perfumes, face powder, lipsticks, etc. Serial No. 429,510; May 14. Class 6.

Ballard & Ballard Company, Incorporated, Louisville, Ky. Flour. Serial No. 426,756; May 14. Class 46.

Barber, W. H., Company, Minneapolis, Minn. Solvents. Serial No. 429,595; May 14. Class 16.

Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic lenses. Serial No. 429,557; May 14. Class 26.

Benet Drug Corporation, The, Cincinnati, Ohio. Therapeutic preparation. Serial No. 430,213; May 14. Class 6.

Berlinger, Joseph, Co., New York, N. Y. Piece goods. Serial No. 429,761; May 14. Class 42.

Best, M. O., doing business as M. O. Best Co., Phoenix, Ariz., and El Centro, Calif. Fresh vegetables. Serial No. 429,680; May 14. Class 46.

Bound Brook Oil-Less Bearing Company, Bound Brook, N. J. Machinery bearings, bushings, and machine parts. Serial No. 426,325; May 14. Class 23.

Bradley, Milton, Company, Springfield, Mass. Table game. Serial No. 426,727; May 14. Class 22.

Bradley, Milton, Company, Springfield, Mass. Board game. Serial No. 428,980; May 14. Class 22.

Briam Fabrics Corporation, New York, N. Y. Scarfs. Serial No. 429,843; May 14. Class 39.

Britton, John G., Lansdowne, Pa. Sound absorbent plastic material. Serial No. 429,245; May 14. Class 12.

Brown, Angel P., Endicott, N. Y. Pile ointment. Serial No. 429,394; May 14. Class 14.

Bruder, M. A., & Sons, Philadelphia, Pa. Paints, enamels, paint enamels, etc. Serial No. 428,797; May 14. Class 16.

Burgess, Ledward & Company, Limited, Manchester, England. Textile fabrics in the piece. Serial No. 417,796; May 14. Class 42.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 429,894; May 14. Class 6.

Canine, Harry C., doing business as The HK9 Company, Kentland, Va. Devices for dispensing plastic and semi-fluid or solid materials. Serial No. 427,191; May 14. Class 23.

Capitol Chemical Company. (See Farruggia, Sam.)

Cardinal Insecticide Company. (See O'Connell, Edward D.)

Carworth Farms, Inc., New York, N. Y. Laboratory animals. Serial No. 426,481; May 14. Class 1.

Central Brewing Co., Inc., Jersey City, N. J. Beer, ales, and porter. Serial No. 430,175; May 14. Class 48.

Chaney, Albert L., doing business as The Albert L. Chaney Laboratory, Glendale, Calif. Chlormercuriphenol. Serial No. 429,251; May 14. Class 6.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Non-ferrous metal sheets, rods, wire, etc. Serial No. 429,081; May 14. Class 14.

Chesterfield Spring Products Inc., New York, N. Y. Foldable and portable cots. Serial No. 429,683; May 14. Class 32.

Chill-Foam Corporation of America, Inc., Detroit, Mich. Non-alcoholic extract for beer. Serial No. 428,351; May 14. Class 48.

Chrysler Corporation, Highland Park, Mich., and Dayton, Ohio. Refrigerant condensing units. Serial No. 428,607; May 14. Class 34.

Clark, H. Clarence, doing business as Toothfoam Company, San Francisco, Calif. Liquid tooth cleanser. Serial No. 428,461; May 14. Class 6.

Cliff Frocks, Inc., New York, N. Y. Dresses, coats, suits. Serial No. 429,469; May 14. Class 39.

Cooperative Grange League Federation Exchange, Inc., Ithaca, N. Y. Seed. Serial No. 422,465; May 14. Class 1.

Corn Products Refining Company, New York, N. Y. Corn syrup. Serial No. 429,218; May 14. Class 46.

Corning Glass Works, Corning, N. Y. Glass globes, shades, bowls, etc. Serial No. 429,255; May 14. Class 34.

Cowan, Sanford R., New York, N. Y. Monthly publication. Serial No. 428,520; May 14. Class 38.

Crane Packing Company, Chicago, Ill. Flexible fabric packing. Serial No. 429,846; May 14. Class 35.

Cribari, B., & Sons, New York, N. Y. Wines. Serial No. 429,295; May 14. Class 47.

Cromatile Associates, Inc., Grand Rapids, Mich. Cement building blocks. Serial No. 429,433; May 24; Class 12.

Crystal, David, Inc., New York, N. Y. Dresses, dress ensembles. Serial No. 429,515; May 14. Class 39.

Delapenha, R. U., & Co. Inc., New York, N. Y. Olive oil. Serial No. 425,394; May 14. Class 46.

Disney, Walt, Productions, Hollywood, Calif. Game. Serial No. 426,608; May 14. Class 22.

Dobeckmun Company, The, Cleveland, Ohio. Merchandise bags. Serial No. 428,068; May 14. Class 2.

Dodge, Mary, Studio City, Calif. Chocolate coated popcorn and popped cereals. Serial No. 427,740; May 14. Class 46.

Duquette, Charles, doing business as Pharmacie Montreal, Montreal, Quebec, Canada. Anti-enuretic, calcium and vitamin A, haliver liver oil, etc. Serial No. 421,646; May 14. Class 6.

Durand Shoe Co., Richmond, Maine. Shoes. Serial No. 426,564; May 14. Class 39.

Eagle Clothes, New York, N. Y. Overcoats, topcoats, and suits. Serial No. 429,607; May 14. Class 39.

Eastern Corporation, Brewer, Maine. Wrapping paper. Serial No. 428,717; May 14. Class 37.

Ed-Tex Citrus Corporation, Edinburg, Tex. Fruit juices. Serial No. 429,256; May 14. Class 46.

Elmco Corporation, The, Salt Lake City, Utah. Alloy steel castings. Serial No. 429,693; May 14. Class 14.

Electric Game Co., Holyoke, Mass. Mathematical game. Serial No. 428,804; May 14. Class 22.

Elektrotechniache Fabrik Schmidt & Co. G. m. b. H., Berlin, Germany. Electric pocket lamps, electric torches, batteries, etc. Serial No. 422,539; May 14. Class 21.

Enrich Products Co., Inc., New York, N. Y. Candy. Serial No. 429,521; May 14. Class 46.

Faribault Woolen Mill Company, Faribault, Minn. Woolen gloves, mittens, and slippers. Serial No. 429,332; May 14. Class 39.

Farruggia, Sam, doing business as Capitol Chemical Company, Chicago, Ill. Water softener and bleach. Serial No. 423,993; May 14. Class 6.

Fisherman's Grotto, San Francisco, Calif. Crab sandwiches. Serial No. 427,933; May 14. Class 46.

Fox, Fannie P., doing business as Sure Laboratories, Chicago, Ill. Breath purifiers. Serial No. 429,608; May 14. Class 6.

Frackman, Hyman, doing business as Alsan Carved Wedding Ring Co., New York, N. Y. Precious metal finger rings. Serial No. 429,938; May 14. Class 28.

Fruit Growers Service Co., Fresno, Calif. Fresh vegetables, citrus fruit, grapes. Serial No. 429,522; May 14. Class 46.

Gartner & Bender, Inc., Chicago, Ill. Greeting cards. Serial No. 429,302; May 14. Class 38.

Gemex Company, Newark, N. J. Watch bracelets, watch straps, watch attachments, etc. Serial No. 428,073; May 14. Class 28.

General Chemical Company, New York, N. Y. Insecticides and fungicides, a spray compound. Serial No. 429,525; May 14. Class 6.

General Drafting Co., Inc., New York, N. Y. Maps and publications. Serial No. 428,032; May 14. Class 38.

Germantown Manufacturing Company, The, Philadelphia, Pa. Stabilizer for ice creams, sherbets, and water-ices. Serial No. 429,771; May 14. Class 46.

Gimbel Brothers, Inc., New York, N. Y. Muslin and percale sheets and pillow cases; cotton terry towels, etc. Serial No. 427,891; May 14. Class 42.

Glascoff, W. G., Waupun, Wis. Canned vegetables. Serial No. 429,772; May 14. Class 46.

Golden Bear Cookie Co., Inc., Long Island City, N. Y. Assorted cookies. Serial No. 428,478; May 14. Class 46.

Golf and Lawn Supply Corporation, Scarsdale, N. Y. Preparation for the control of Japanese and Asiatic beetle grubs in lawns. Serial No. 429,118; May 14. Class 6.

Graf, George N., doing business as George N. Graf Co., New York, N. Y. Bread. Serial No. 428,074; May 14. Class 46.

Grant Paper Box Company, Pittsburgh, Pa. Cartons. Serial No. 429,851; May 14. Class 2.

Graviner Manufacturing Company Limited, London England. Electric switches and parts of electric switches. Serial No. 429,654; May 14. Class 21.

HK9 Company, The. (See Canine, Harry C.)

Herzog, Joseph L., & Co., New York, N. Y. Finger rings. Serial No. 429,611; May 14. Class 28.

Hoal, Emma J., Fort Worth, Tex. Salve. Serial No. 428,916; May 14. Class 6.

Holmstrom-Pilcher Company, Joliet, Ill. Canned fruits, vegetables, fish, etc. Serial No. 429,305; May 14. Class 46.

Hortenau, Alfred J., Inc., New York, N. Y. Telephone mouth-piece disinfector plate. Serial No. 422,445; May 14. Class 21.

Humphreys, Thomas H., Chattanooga, Tenn. Men's and boys' sweaters, outer shirts, jerseys, etc. Serial No. 428,484; May 14. Class 39.

Institute of Boiler and Radiator Manufacturers, New York, N. Y. Steam and hot water boilers and radiators. Serial No. 429,529; May 14. Class 34.

Insulite Company, The, Minneapolis, Minn. Sound deadening board and blocks, sound absorbing board, etc. Serial No. 427,711; May 14. Class 12.

Insulite Company, The, Minneapolis, Minn. Vegetable fiber board, block and the like. Serial No. 429,656; May 14. Class 12.

Ippolito, Carlos, Galveston, Tex. Maltless beverages, and syrups, extracts, and flavors. Serial No. 429,814; May 14. Class 45.

Jefferson Publishing Co., The, Steubenville, Ohio. Payment cards. Serial No. 428,356; May 14. Class 38.

Johns-Manville Corporation, New York, N. Y. Panel assemblies, doors, partitions, and the like. Serial No. 429,735; May 14. Class 12.

Johnson, J. W., Company, Chicago, Ill. Awnings and awning material. Serial No. 429,707; May 14. Class 50.

Keller-Kohn Co., The, Cleveland, Ohio. Coats and suits. Serial No. 429,308; May 14. Class 39.

KelRay Knitting Mills. (See Krumholz & Lichtblau.)

King Features Syndicate, Inc., New York, N. Y. Newspaper section. Serial No. 429,407; May 14. Class 38.

Kozlowski, Boleslaw R., doing business as Three Star Medicine Co., Chicago, Ill. Preparation designed to alleviate simple pains. Serial No. 429,403; May 14. Class 6.

Kronfeld, Philip, Inc., New York, N. Y. Overcoats, sport coats, suits, etc. Serial No. 429,362; May 14. Class 39.

Krumholz & Lichtblau, doing business as KelRay Knitting Mills, New York, N. Y. Panties, slips, chemises, etc. Serial No. 429,185; May 14. Class 39.

Leiong, Lucien, Inc., Chicago, Ill. Perfume. Serial No. 430,325; May 14. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial No. 429,986; May 14. Class 6.

Lillie, Ray, doing business as Lillie Merchandising Company, Iowa City, Iowa. Scouring crystals. Serial No. 413,952; May 14. Class 6.

Loeser, Frederick, & Co., Inc., Brooklyn, N. Y. Outer shirts. Serial No. 429,270; May 14. Class 39.

Lund, Genevieve G., doing business as All-Up Co., Glendale, Calif. Mineral and vitamin food supplement. Serial No. 426,340; May 14. Class 46.

Lux Clock Manufacturing Company, The, Waterbury, Conn. Clocks. Serial No. 429,662; May 14. Class 27.

Mackintosh, John, & Sons Ltd., Inc., Boston, Mass. Candy. Serial No. 429,817; May 14. Class 46.

Magazine Repeating Razor Company, New York, N. Y. Razors and razor blades. Serial No. 429,776–80; May 14. Class 23.

Mallard, Karl, doing business as A. E. Mallard, Detroit, Mich. Medicinal preparation. Serial No. 429,119; May 14. Class 6.

Man-E-Mor Coffee Co. (See Anderson, Albert L.)

Manfroid, Philip, doing business as Monoglass Ware Co., New York, N. Y. Drinking glasses, glass tumblers, glass containers, etc. Serial No. 429,573; May 14. Class 33.

Marshall, Meadows & Stewart, Inc., Auburn, N. Y. Women's shoes. Serial No. 429,101; May 14. Class 39.

Maximax Corporation, Chicago, Ill. Medicated soap, detergent soap, hand soap, etc. Serial No. 428,699; May 14. Class 4.

Mayr, I. K., doing business as Mayr's Seed & Feed, Beaver Dam, Wis. Medicinal preparation. Serial No. 428,397; May 14. Class 6.

McDonough and Goldshlag, Peekskill, N. Y. Question and answer game. Serial No. 417,700; May 14. Class 22.

McLoughlin Bros, Inc., Springfield, Mass. Box of childden's assorted books. Serial No. 426,862; May 14. Class 38.

Meyerowitz, Aaron, New York, N. Y. Automobile tires. Serial No. 429,551; May 14. Class 35.

Microvolts, Incorporated, Boonton, N. J. Measuring and scientific appliances. Serial No. 425,206; May 14. Class 26.

Mid-Valley Distilling Corporation, Archbald, Pa. Whiskey. Serial No. 429,132; May 14. Class 49.

Mid-Valley Distilling Corporation, Archbald, Pa. Whiskey and gin. Serial No. 429,730; May 14. Class 49.

Mihaly, Otto, Budapest, Hungary. Toothpowder. Serial No. 424,361; May 14. Class 6.

Miller, Samuel C., doing business as Tube Light Engineering Company, New York, N. Y. Neon sign glass tubing. Serial No. 410,604; May 14. Class 33.

Milwaukee Gas Specialty Company, Milwaukee, Wis. Automatic thermoelectric gas pilot burner controls. Serial No. 421,665; May 14. Class 21.

Mock, Judson, Voehringer, Company of New York, Inc., Long Island City, N. Y. Hosiery. Serial No. 424,401; May 14. Class 39.

Monoglass Ware Co. (See Manfroid, Philip.)

National Biscuit Company, New York, N. Y. Bakery products. Serial No. 429,312; May 14. Class 46.

National Carbon Company, Inc., New York, N. Y. Electric lamps or bulbs. Serial No. 400,465; May 14. Class 21.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Lumber, asphalt, paving blocks, etc. Serial No. 422,515; May 14. Class 12.

National Electric Products Corporation, Pittsburgh, Pa. Rubber-covered electrical conductors and cables. Serial No. 413,230; May 14. Class 21.

National Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 426,985; May 14. Class 42.

National Machinery Company, The, Tiffin, Ohio. Bolts and screws. Serial No. 427,110; May 14. Class 13.

National Machinery Company, The, Tiffin, Ohio. Bolts. Serial No. 427,111; May 14. Class 13.

National Machinery Company, The, Tiffin, Ohio. Screws. Serial No. 427,112; May 14. Class 13.

National Silver Company, New York, N. Y. Kitchen knives, spoons, and forks, etc. Serial No. 428,818. Class 23.

Natur-Lyk Oral Products, Inc., New York, N. Y. Denture material. Serial No. 429,911; May 14. Class 44.

Neville Company, The, Neville Island, Pittsburgh, Pa. Thermoplastic resins. Serial No. 428,401; May 14. Class 1.

Neville Company, The, Neville Island, Pittsburgh, Pa. Heavy oils. Serial No. 428,404; May 14. Class 6.

Nordmann, Bernard H., St. Louis, Mo. Newspapers published weekly. Serial No. 429,190; May 14. Class 38.

O'Connell, Edward D., doing business as Cardinal Insecticide Company, Philadelphia, Pa. Insecticides. Serial No. 429,664; May 14. Class 6.

Ohio Oil Company, The, Findlay, Ohio. Motor oil, kerosene, fuel oil, etc. Serial No. 422,518; May 14. Class 15.

Old Colonel Distillery, Louisville, Ky. Whisky. Serial No. 429,104; May 14. Class 49.

Oster, John, Manufacturing Company, Racine, Wis. Hair clippers and parts thereof. Serial No. 429,785; May 14. Class 23.

Pasadena Playhouse Association, Pasadena, Calif. Periodical publication. Serial No. 428,735; May 14. Class 38.

Patent Cereals Company, The, Geneva, N. Y. Cleaner and cleanser. Serial No. 424,627; May 14. Class 4.

Patons & Baldwins, Limited, Halifax, England. Yarns of wool, worsted, or hair. Serial No. 429,372; May 14. Class 43.

Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Hydrocarbon resins. Serials Nos. 429,915–16; May 14. Class 1.

Pharmacie Montreal. (See Duquette, Charles.)

Phillips, Ed., & Sons Company, Minneapolis, Minn. Whiskey. Serial No. 428,762; May 14. Class 49.

Plepla, Karl, New York, N. Y. Clocks and watches. Serial No. 429,667; May 14. Class 27.

Potato Chip Corporation of America, The, Cato, N. Y. Potato chips. Serial No. 429,787; May 14. Class 46.

Ravarino & Freschi, Inc., St. Louis, Mo. Noodle soup mix. Serial No. 429,322; May 14. Class 46.

Rikimaru Bros. and Company, Los Angeles, Calif. Fresh vegetables, fresh dedicuous fruits, freshcantaloupes, etc. Serial No. 428,504; May 14. Class 46.

Rees', Hans, Sons, Inc., New York, N. Y. Leather. Serial No. 429,717; May 14. Class 1.

Reliance Manufacturing Company, doing business as The Sterling Company, Chicago, Ill. Slacks, shirts, and slack suits. Serial No. 427,640; May 14. Class 39.

Remington Rand Inc., Buffalo, N. Y. Electric dry shavers. Serial No. 423,231; May 14. Class 23.

Revlon Products Corporation, New York, N. Y. Enamel adapted for coating finger nails and lipsticks. Serial No. 429,374; May 14. Class 6.

Rocky Mountain Honey Company, Salt Lake City, Utah. Honey. Serial No. 409,830; May 14. Class 46.

Rosenfeld, Max, Brooklyn, N. Y. Men's coats and suits and ladies' coats, suits, and dresses. Serial No. 429,323; May 14. Class 39.

Ross, A. H., & Sons Co., Chicago, Ill. Leather. Serial No. 429,790; May 14. Class 1.

Rumford Chemical Works, Rumford, R. I. Sodium tetraphosphate. Serial No. 429,457; May 14. Class 6.

Schaffner, Oscar S., Chicago, Ill. Diamond rings. Serial No. 427,724; May 14. Class 28.

Schueneman, Lizzie B., doing business as Shuholz Chocolate Shop, Philadelphia, Pa. Candy. Serial No. 429,829; May 14. Class 46.

Searle, G. D., & Co., Chicago, Ill. Gastrointestinal astringent. Serial No. 429,136; May 14. Class 6.

Searle, G. D., & Co., Chicago, Ill. Astringent preparation. Serial No. 429,137; May 14. Class 6.

Shallow Water Refining Co., Scott City, Kans. Roofing asphalt. Serial No. 418,990; May 14. Class 12.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Systemic preparations. Serial No. 427,317; May 14. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Biologically active substances. Serial No. 429,279; May 14. Class 6.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens, pencils, and ensemble sets. Serial No. 429,792; May 14. Class 37.

Shuolz Chocolate Shop. (See Schueneman, Lizzie B.)

Singerman, Max. (See Arndt, Ellis, and Max Singerman.)

Smit, J. K. & Sons, Inc., New York, N. Y. Abrasive discs. Serial No. 428,057; May 14. Class 4.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. Serial Nos. 430,363–5; May 14. Class 6.

Society des Usines Chimiques Rhone-Poulenc, Paris, France. Chemical products. Serial No. 424,606; May 14. Class 6.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Cleaning composition and a composition for sealing leaks, etc. Serial No. 427,173; May 14. Class 6.

Speer Carbon Company, Saint Marys, Pa. Carbon brushes. Serial Nos. 423,238–9; May 14. Class 21.

Sphinx-Tone, Inc., Washington, D. C. Acoustical tiles and mixtures of materials to be used in their manufacture. Serial No. 427,176; May 14. Class 12.

Sports Afield Publishing Company, Minneapolis, Minn., Mount Morris and Chicago, Ill., and New York, N. Y. Periodical. Serial No. 429,422; May 14. Class 38.

Sports Afield Publishing Company, Minneapolis, Minn., Mount Morris and Chicago, Ill., and New York, N. Y. Periodical. Serial No. 429,460; May 14. Class 38.

Stabilovolt G. m. b. H., Berlin, Germany. Stabilized current supplies. Serial No. 416,119; May 14. Class 21.

Standard Synthetics, Inc., New York, N. Y. Oil of lemon, orange, bergamot, etc. Serial No. 418,120; May 14. Class 46.

Standard Telephones and Cables, Limited, London, England. Stabilized purified monomeric styrene, and purified polymeric styrene dissolved in benzene. Serial No. 403,337; May 14. Class 21.

Sterling Company, The. (See Reliance Manufacturing Company.)

Stillwater Milling Company, Stillwater, Okla. Wheat flour and whole wheat flour. Serial No. 427,727; May 14. Class 46.

Strowd, Wallace H., Nashville, Tenn. Product composed of wheat germ and other ingredients to be mixed with white flour and other baking preparations. Serial No. 429,022; May 14. Class 46.

Super-Tone, Inc., Wilmington, Del. Piece goods. Serial No. 416,984; May 14. Class 42.

Sure Laboratories. (See Fox, Fannie P.)

Swett's, Dr., Root Beer Company, Inc., Jersey City, N. J. Root beer. Serial No. 429,874; May 14. Class 45.

Tabin-Picker & Company, Chicago, Ill. Rayon piece goods. Serial No. 429,875; May 14. Class 42.

Tennison, George E., Cincinnati, Ohio. Apparel belts. Serial No. 429,877; May 14. Class 39.

Thermal Engineering Corporation, assignor to Thermal Research Corporation, Richmond, Va. Food machinery. Serial No. 414,377; May 14. Class 23.

Three Star Medicine Co. (See Kozlowski, Boleslaw R.)

Thrifty Drug Stores Co., Inc., Los Angeles, Calif. Ready-to-serve foods. Serial No. 420,979; May 14.

Tide Water Associated Oil Company, San Francisco, Calif. Lubricating oil for motor Diesel engines. Serial No. 414,048; May 14. Class 15.

Togstad, C. I., Company, The. (See Williams, Vera P.)

Toothfoam Company. (See Clark, H. Clarence.)

Top-Notch Products Co., Glendale, N. Y. Glue. Serial No. 429,579; May 14. Class 5.

Truesdail Laboratories, Incorporated, Los Angeles, Calif. Printed house organ, published bi-monthly. Serial No. 429,631; May 14. Class 38.

Tube Light Engineering Company. (See Miller, Samuel C.)

United Co-Operatives, Inc., Indianapolis, Ind. Metal roofing, metal stalls and stanchions, composition roofing, and shingles. Serial No. 421,679; May 14. Class 12.

United Co-Operatives, Inc., Indianapolis, Ind. Stable brooms and brushes. Serial No. 429,017; May 14. Class 29.

Van Sand, Albert, New York, N. Y. Weekly newspaper publication. Serial No. 429,109; May 14. Class 38.

Visking Corporation, The, Chicago, Ill. Sausage casings. Serial No. 428,452; May 14. Class 2.

Waukesha Tang-Hi Company, Waukesha, Wis. Maltless beverages. Serial No. 430,113; May 14. Class 45.

Wells Fabric Co. Inc., New York, N. Y. Silk, cotton, rayon, etc., piece goods. Serial No. 430,201; May 14. Class 42.

Wells-Lamont-Smith Corporation, Chicago, Ill. Work gloves. Serial No. 429,725; May 14. Class 39.

West Coast Lumbermen's Association, Seattle, Wash. Douglas fir lumber and timbers. Serial No. 428,454; May 14. Class 12.

Westlake, Edward B., Jr., Upper Darby, Pa. Roof gutter protectors. Serial No. 428,782; May 14. Class 12.

Williams, Vera P., doing business as The C. I. Togstad Company, Kokomo, Ind. Foot preparations. Serial No. 428,846; May 14. Class 6.

Wilson-Imperial Company, Newark, N. J. Sealing and polishing preparation. Serial No. 427,353; May 14. Class 16.

Wilson-Imperial Company, Newark, N. J. Polishing preparation. Serial No. 430,052; May 14. Class 16.

Winthrop Chemical Company, Inc., New York, N. Y. Estrogenic preparations. Serial No. 426,544; May 14. Class 6.

Winthrop Chemical Company, Inc., New York, N. Y. Brand of progesterone. Serial No. 426,545; May 14. Class 6.

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. Serial No. 429,634; May 14. Class 21.

Zonite Products Corporation, New York, N. Y. Antiseptic jelly. Serial No. 429,154; May 14. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Abel Sales Corporation, Columbus, Ohio. Automobile seat and slip covers. 377,877; May 14. Class 19.

Abraham & Straus, Inc., Brooklyn, N. Y. Shoes. 377,730; May 14; Serial No. 425,216; published Feb. 20, 1940. Class 39.

Alden Coal Co., Alden Station, Pa. Coal. 377,868; May 14. Class 1.

American Air Filter Company, Inc., Louisville, Ky. Automatic endless chain impingement or open-baffle type of ventilating units. 377,818; May 14; Serial No. 427,057; published Mar. 5, 1940. Class 34.

American Air Filter Company, Inc., Louisville, Ky. Dust separators. 377,819; May 14; Serial No. 427,058; published Mar. 5, 1940. Class 34.

American Air Filter Company, Inc., Louisville, Ky. Dust separators. 377,820–1; May 14; Serial Nos. 427,060–1; published Mar. 5, 1940. Class 34.

American Bemberg Corporation, New York, N. Y. Thread and yarn. 377,831; May 14; Serial No. 427,186; published Mar. 5, 1940. Class 43.

American Bleached Goods Company, Inc., New York, N. Y. Piece goods. 377,860; May 14; Serial No. 427,691; published Mar. 5, 1940. Class 42.

American Home Magazine Corporation, The, New York. Recipe cabinet file. 377,737; May 14; Serial No. 425,635; published Mar. 5, 1940. Class 2.

American Lecithin Company, Cleveland, Ohio. Lecithin and associated phosphatides with vegetable oil. 377,890; May 14. Class 46.

American Optical Company, Southbridge, Mass. Ophthalmic lenses and blanks therefor, ophthalmic mountings, etc. 377,751; May 14; Serial No. 426,044; published Mar. 5, 1940. Class 26.

American Safety Razor Corporation, Brooklyn, N. Y. Hair removing devices. 377,687; May 14; Serial No. 398,141; published Mar. 5, 1940. Class 23.

American Silk Spinning Co., Providence, R. I. Yarns. 377,799; May 14; Serial No. 426,851; published Mar. 5, 1940. Class 43.

American Television Corporation, New York, N. Y. Television receivers and component parts. 377,691; May 14; Serial No. 409,499; published Mar. 5, 1940. Class 21.

American Tobacco Company, The, New York, N. Y. Cigars. 377,747; May 14; Serial No. 425,946; published Mar. 5, 1940. Class 17.

American Type Founders, Incorporated, Elizabeth, N. J. Printer's type. 377,840; May 14; Serial No. 427,323; published Mar. 5, 1940. Class 14.

Amperite Company, New York, N. Y. Special microphone for musical instruments. 377,875; May 14. Class 21.

Armstrong, J. A., & Sons Inc., Boston, Mass. Hairnets, baby pants, roll garters, etc. 377,748; May 14; Serial No. 425,947; published Feb. 27, 1940. Class 39.

Artkraft Sign Company, The, Lima, Ohio. Electrical signs. 377,873; May 14. Class 21.

Automatic Electric Washer Co., assignor to Automatic Washer Company, Newton, Iowa. Laundry power washing-machines. 130,037; renewed Apr. 6, 1940.

Avon Sole Company, Holbrook, Mass. Soles and heels for shoes. 377,765–6; May 14; Serial Nos. 426,353–4; published Mar. 5, 1940. Class 39.

Ayrshire Patoka Collieries Corporation, Wilmington, Del., and Indianapolis, Ind. Coal. 377,871; May 14. Class 1.

B. V. D. Corporation, The, New York, N. Y. Piece goods having elastic threads interwoven therethrough. 377,789; May 14; Serial No. 426,796; published Mar. 5, 1940. Class 42.

Baur Flour Mills Co., St. Louis, Mo. White flour. 377,887; May 14. Class 46.

Bell Manufacturing Company, San Francisco, Calif. Reclining chairs and convertible chair beds. 377,752; May 14; Serial No. 426,046; published Mar. 5, 1940. Class 32.

Bercut-Richards Packing Company, Sacramento, Calif. Canned fruits, vegetables, berries, etc. 377,872; May 14. Class 46.

Biltmore Hotel, The. (See Long, Baron.)

Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils, crayons and pencil refill leads. 377,862; May 14; Serial No. 354,743; published Nov. 6, 1934. Class 37.

Blake, Moffitt & Towne, San Francisco, Calif. Toilet tissue, cleansing tissue, paper towels, etc. 377,878; May 14. Class 37.

Bonita Packing Co., Guadalupe, Calif. Fresh vegetables. 377,822; May 14; Serial No. 427,064; published Mar. 5, 1940. Class 46.

Bonwit Teller, Inc., New York, N. Y. Women's and misses' blouses, sweaters, dresses, etc. 377,761; May 14; Serial No. 426,285; published Feb. 20, 1940. Class 30.

Brace Process Corporation, New York, N. Y. Machines for filtering, cleansing, and reclaiming of oil, and filters therefor. 377,858; May 14; Serial No. 427,656; published Mar. 5, 1940. Class 31.

Bradley, Milton, Company, Springfield, Mass. Board games. 377,702; May 14; Serial No. 415,702; published Sept. 19, 1939. Class 22.

Breidt, Peter, Brewing Company, Elizabeth, N. J. Beer, ale, porter, etc. 377,896; May 14. Class 48.

Britt, M. C., Produce Company, Winter Garden, Fla. Fresh citrus fruit. 377,717; May 14; Serial No. 422,983; published Oct. 31, 1939. Class 46.

Buchsbaum, S., & Company, Chicago, Ill. Leather substitute. 377,713; May 14; Serial No. 421,842; published Mar. 5, 1940. Class 50.

Bullard, E. D., Company, San Francisco, Calif. Protective hats, helmets, and caps. 377,686; May 14; Serial No. 397,837; published Mar. 5, 1940. Class 39.

Burton-Dixie Corporation, Chicago, Ill. Pads for furniture, seat-cushions, mattresses, etc. 377,726; May 14; Serial No. 424,574; published Mar. 5, 1940. Class 32.

Cattaraugus Cutlery Company, The, Little Valley, N. Y. Butchers' knives and steel implements. 17,700; renewed Mar. 25, 1940.

Cellucotton Products Company, The, Neenah, Wis., assignor, by mesne assignments, to International Cellucotton Products Company, Chicago, Ill. Sanitary napkins. 134,900; renewed Sept. 21, 1940.

Charleston Milling Company, Charleston, W. Va. Pancake, cake, and biscuit flour. 377,744; May 14; Serial No. 425,850; published Mar. 5, 1940. Class 46.

Chesler, J., & Sons Company, Brooklyn, N. Y. Cylinder door locks. 377,773; May 14; Serial No. 426,602; published Feb. 27, 1940. Class 25.

Chevette, Inc., New York, N. Y. Panties, panty girdles, girdles, etc. 377,758; May 14; Serial No. 426,157; published Feb. 27, 1940. Class 39.

Coffee X Corporation, New York, N. Y. Moulding compound. 377,774; May 14; Serial No. 426,604; published Mar. 5, 1940. Class 1.

Cohn, H. C., & Co., Rochester, N. Y. Neckties. 377,703; May 14; Serial No. 416,036; published Mar. 5, 1940. Class 39.

Colordination Group, Inc., New York, N. Y. Coats, suits, dresses, etc. 377,852; May 14; Serial No. 427,500; published Mar. 5, 1940. Class 39.

Colordination Group, Inc., New York, N. Y. Coats, suits, dresses, etc. 377,853; May 14; Serial No. 427,502; published Mar. 5, 1940. Class 39.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Chair cushions. 377,727; May 14; Serial No. 424,578; published Mar. 5, 1940. Class 32.

Columbus Dental Manufacturing Company, The, Columbus, Ohio. Artificial teeth. 130,679; renewed May 4, 1940.

Continental Optical Company, Inc., Indianapolis, Ind. Ophthalmic lenses. 377,833; May 14; Serial No. 427,230; published Mar. 5, 1940. Class 26.

Continental Piston Ring Company, Memphis, Tenn. Metallic piston rings. 377,685; May 14; Serial No. 385,661; published Mar. 5, 1940. Class 35.

Coppercote, Inc., New York, N. Y. Flexible and resilient rubber base paints and paint coatings. 377,776; May 14; Serial No. 426,643; published Mar. 5, 1940. Class 16.

Coreless Golf Ball Company, Wilmington, Del. Golf balls. 377,795; May 14; Serial No. 426,831; published Mar. 5, 1940. Class 22.

Coventry Gauge & Tool Co. Ltd., Fletchamstead, Coventry, England. Twist drills, screw thread taps and screw cutting dies, etc. 377,711; May 14; Serial No. 421,730; published Mar. 5, 1940. Class 23.

Crown Ribbon and Carbon Mfg. Co., Rochester, N. Y. Carbon-paper and typewriter-ribbons. 133,945; renewed Aug. 10, 1940.

Davis, Lester M., doing business as Davis Fishing Tackle Co., Tacoma, Wash. Fishing tackle. 377,864; May 14. Class 22.

Dayton Rubber Manufacturing Company, The. (See McClaren Rubber Company, assignor.)

DeBeer, J., & Son, Albany, N. Y. Soft balls, play ground balls, and base balls. 377,847; May 14; Serial No. 427,450; published Mar. 5, 1940. Class 22.

Decker, Alfred, & Cohn, Inc., Chicago, Ill. Overcoats and topcoats. 377,772; May 14; Serial No. 426,562; published Mar. 5, 1940. Class 39.

"Designs Silvia Dorée." (See Dorée, Silvia.)

De Soto Canning Company. (See Sunny South Packing Co.)

De Tolédo, Jean, Geneva, Switzerland. Swi-wax and other materials and preparations for use on skis. 377,721; May 14; Serial No. 423,555; published Mar. 5, 1940. Class 22.

Deutsche Röhrenwerke Aktiengesellschaft, Dusseldorf, Germany. Anti-rust steel, steel sheets, and plates of anti-rust steel. 377,698; May 14; Serial No. 413,898; published Mar. 5, 1940. Class 14.

Dille & McGuire Mfg. Co., Richmond, Ind. Lawn mowers. 377,841; May 14; Serial No. 427,339; published Mar. 5, 1940. Class 23.

Di Santo, Joseph, doing business as Disanto & Company, Duluth, Minn. Tomato paste, canned tomatoes, cheese, etc. 377,863; May 14. Class 46.

Diversey Corporation, The, Chicago, Ill. Cleanser. 377,720; May 14; Serial No. 423,131; published Nov. 21, 1939. Class 4.

Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, Germany, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France. Alsatian braids. 130,175–6; renewed Apr. 13, 1940.

Dollfus Mieg & Cie. Societe Anonyme, Mulhausen, Germany, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France. Braids and passementerie. 131,088–92; renewed May 4, 1940.

Dombrowsky, Max, doing business as Imperial Neckwear Co., New York, N. Y. Neckties. 377,694; May 14; Serial No. 411,988; published Feb. 27, 1940. Class 39.

Dorée, Silvia, doing business as "Designs silvia dorée", New York, N. Y. Slippers. 377,753; May 14; Serial No. 426,054; published Feb. 27, 1940. Class 39.

Driscoll Bruck Company, Ltd., Portland, Oreg. Fishhooks. 377,845; May 14; Serial No. 427,424; published Mar. 5, 1940. Class 22.

Duncan, Thomas P., Jr., Newport News, Va. Golf club. 377,842; May 14; Serial No. 427,340; published Mar. 5, 1940. Class 22.

Eastern Baking Company, Chelsea, Mass. Ice cream cones. 377,866; May 14. Class 46.

Eclipse Knitting Mills, Inc., East Newark, N. J. Knitted and woven garments. 377,716; May 14; Serial No. 422,895; published Nov. 21, 1939. Class 39.

Edwards, David J., North Hollywood, Calif. Game. 377,735; May 14; Serial No. 425,563; published Mar. 5, 1940. Class 22.

Emeloid Co., Inc., The, Arlington, N. J. Luminating tongue depressor. 377,870; May 14. Class 44.

Everett & Barron Company, Providence, R. I. Shoe dressing, polishes, and cleaners. 377,777; May 14; Serial No. 426,646; published Mar. 5, 1940. Class 4.

Famous-Barr Company. (See May Department Stores Company, The.)

Feiner Fabrics, Inc., New York, N. Y. Piece goods. 377,838; May 14; Serial No. 427,279; published Mar. 5, 1940. Class 42.

Ferrel Merchandisers, Inc., Indianapolis, Ind. Hosiery, scarfs, panties, etc. 377,724; May 14; Serial No. 424,298; published Mar. 5, 1940. Class 39.

Fertilmist Corporation, The, Westport, Conn. Portable hand fire extinguishers. 377,755; May 14; Serial No. 426,128; published Mar. 5, 1940. Class 23.

Feuerheerd Bros. & Companhia Limitada, Oporto, Portugal. Port wines. 377,710; May 14; Serial No. 420,715; published Mar. 5, 1940. Class 47.

Field and Flint Co., Brockton, Mass. Shoes. 377,846; May 14; Serial No. 427,426; published Mar. 5, 1940. Class 39.

Fisk Rubber Corporation, The, Chicopee Falls, Mass., assignor to United States Rubber Company, New York, N. Y. Vehicle tires. 377,780; May 14; Serial No. 426,692; published Mar. 5, 1940. Class 35.

Fleischmann, E. M., Distilling Corp., Lansdowne, Md. Whiskey. 377,781; May 14; Serial No. 426,693; published Mar. 5, 1940. Class 49.

Ford Manufacturing Co., Waterford, N. Y. Knitted underwear. 134,945; renewed Sept. 21, 1940.

Ford Motor Company, Dearborn, Mich. Oil filters and oil bath air cleaners. 377,814; May 14; Serial No. 427,019; published Mar. 5, 1940. Class 31.

Ford Motor Company, Dearborn, Mich. Cushions and seat covers. 377,815; May 14; Serial No. 427,020; published Mar. 5, 1940. Class 32.

Frank, Sadye, New York, N. Y. Tobacco pipes. 377,876; May 14. Class 8.

French Veiling Corp., New York, N. Y. Hair nets. 377,802; May 14; Serial No. 426,884; published Feb. 27, 1940. Class 39.

Friedman, Ethel, New York, N. Y. Hosiery, underwear, and neckties. 377,756; May 14; Serial No. 426,130; published Feb. 27, 1940. Class 39.

Frisch, F., Inc., New York, N. Y. Household textile fabrics. 377,749–50; May 14; Serial Nos. 425,994–5; published Mar. 5, 1940. Class 42.

Galter, Jack, Chicago, Ill. Smoking pipes and cigarette holders. 377,788; May 14; Serial No. 426,769; published Mar. 5, 1940. Class 8.

General Printing Ink Corporation, New York, N. Y. Printing ink. 377,812; May 14; Serial No. 426,976; published Feb. 27, 1940. Class 11.

General Shoe Corporation, Nashville, Tenn. Boots, shoes, and slippers. 377,843; May 14; Serial No. 427,372; published Feb. 27, 1940. Class 39.

Gimbel Brothers, Inc., New York, N. Y. Girls' dresses, coats, skirts, etc. 377,762; May 14; Serial No. 426,295; published Feb. 20, 1940. Class 39.

Goldman, Mollove, doing business as Molly-'es, Darby, Pa. Dolls and dolls' clothes. 377,834; May 14; Serial No. 427,243; published Mar. 5, 1940. Class 22.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Pneumatic vehicle tires. 377,790; May 14; Serial No. 426,804; published Mar. 5, 1940. Class 35.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Tubular metal rivets. 377,791; May 14; Serial No. 426,805; published Mar. 5, 1940. Class 13.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Furniture and vehicle seat cushions. 377,792; May 14; Serial No. 426,806; published Mar. 5, 1940. Class 32.

Goodrich Electric Company, Chicago, Ill. Unitary electric lighting fixtures. 377,874; May 14. Class 21.

Gumakers of America, Inc., Clifton Heights, Pa. Chewing gum. 377,895; May 14. Class 46.

Harris Langenberg Hat Co., St. Louis, Mo. Hats and caps. 377,745; May 14; Serial No. 425,890; published Mar. 5, 1940. Class 39.

Hood Products Corporation, New York, N. Y. Fertilizers. 377,784; May 14; Serial No. 426,730; published Mar. 5, 1940. Class 10.

Hooper, Wm. E., & Sons Company, Baltimore, Md. Protective clothing. 377,739; May 14; Serial No. 425,671; published Feb. 27, 1940. Class 39.

Hoover Manufacturing and Sales Company, New York, N. Y. House dresses, aprons, and uniforms. 377,708; May 14; Serial No. 419,667; published Mar. 5, 1940. Class 39.

Horton Manufacturing Company, The, Bristol, Conn. Fishing-lines. 135,263; renewed Sept. 28, 1940.

Huffman Full Fashioned Mills, Inc., Morganton, N. C. Hosiery. 377,880; May 14. Class 39.

Hunt, Jesse Moore, Co., Ltd., San Francisco, Calif. Whiskey. 377,778; May 14; Serial No. 426,660; published Mar. 5, 1940. Class 49.

Hut Neckwear Co. Inc., New York, N. Y. Neckties. 377,763; May 14; Serial No. 426,337; published Feb. 20, 1940. Class 39.

Ideal Tooth, Incorporated, Cambridge, Mass. Artificial teeth. 377,867; May 14. Class 44.

Imperial Neckwear Co. (See Dombrowsky, Max.)

International Cellucotton Products Company. (See Cellucotton Products Company, assignor.)

International Paper Company, New York, N. Y. Writing and typewriting paper. 377,725; May 14; Serial No. 424,306; published Mar. 5, 1940. Class 37.

Jacobs Candy Co., Inc., New Orleans, La. Candy. 377,759; May 14; Serial No. 426,203; published Mar. 5, 1940. Class 46.

Jantzen Knitting Mills, Portland, Oreg. Swimming suits and girdles. 377,740; May 14; Serial No. 425,786; published Feb. 20, 1940. Class 39.

Jelleff, Frank R., Inc., Washington, D. C. Ladies' shoes. 377,808; May 14; Serial No. 426,926; published Mar. 5, 1940. Class 39.

Jennings, Preston J., Brooklyn, N. Y. Fish lures. 377,816; May 14; Serial No. 427,033; published Mar. 5, 1940. Class 22.

Kellogg Company, Battle Creek, Mich. Food for dogs and other carnivorous animals. 377,796; May 14; Serial No. 426,836; published Mar. 5, 1940. Class 46.

Koinzan, Walter J., doing business as Koinzan Mfg. Co., Elgin, Nebr. Oil filters. 377,885; May 14. Class 31.

Korn Kurls Co., Beloit, Wis. Puffed corn starchy cereals and confections made by coating the same. 377,692; May 14; Serial No. 410,081; published Feb. 7, 1939. Class 46.

Kraft-Phenix Cheese Corporation, Chicago, Ill., now by change of name, Kraft Cheese Company. Butter. 377,705; May 14; Serial No. 417,694; published Mar. 5, 1940. Class 46.

Kresge, S. S., Company, Detroit, Mich. Hosiery. 377,848; May 14; Serial No. 427,468; published Mar. 5, 1940. Class 39.

Kress, S. H., and Company, New York, N. Y. Refrigerator bags. 377,697; May 14; Serial No. 412,911; published Mar. 5, 1940. Class 2.

Lace Net Importing Co., Inc., New York, N. Y. Elastic net fabrics. 377,894; May 14. Class 42.

Lano Company, Chicago, Ill. Powdered hand soap. 377,736; May 14; Serial No. 425,575; published Mar. 5, 1940. Class 4.

La Resista Corset Company, The, Bridgeport, Conn. Corsets, corselets, girdles, etc. 377,767; May 14; Serial No. 426,364; published Feb. 20, 1940. Class 39.

Laucks, I. F., Inc., Seattle, Wash. Glues. 377,754; May 14; Serial No. 426,060; published Feb. 27, 1940. Class 5.

Lee Paper Company, Vicksburg, Mich. Bond paper. 377,893; May 14. Class 37.

Lefcort Hosiery Co. Inc., New York, N. Y. Ladies' hosiery and underwear. 377,835; May 14; Serial No. 427,249; published Mar. 5, 1940. Class 39.

Lenson, U. & J., Corp., The, New York, N. Y. Coffee. 377,884; May 14. Class 46.

Linette Co., The. (See Lubow, Hyman.)

Little & Christman, New York, N. Y. Sugar. 377,865; May 14. Class 46.

Lockwood Hardware Manufacturing Co., Fitchburg, Mass. Lock sets. 377,771; May 14; Serial No. 426,533; published Feb. 27, 1940. Class 25.

Long, Baron, doing business as The Biltmore Hotel, Los Angeles, Calif. Wines. 377,700; May 14; Serial No. 414,918; published Mar. 5, 1940. Class 47.

Loomtogs, Inc., New York, N. Y. Woven piece goods. 377,787; May 14; Serial No. 426,751; published Mar. 5, 1940. Class 42.

Los Angeles Sales Co., also doing business as Sassy Brand Dog Food Co., Harbor City, Calif. Canned dog and cat food. 377,828; May 14; Serial No. 427,121; published Mar. 5, 1940. Class 46.

Lowenstein, M., & Sons, Inc., New York, N. Y. Packages, containers and the like filled with piece goods. 377,826; May 14; Serial No. 427,108; published Mar. 5, 1940. Class 42.

Luber-Finer, Inc., Los Angeles, Calif. Filtering medium. 377,823; May 14; Serial No. 427,080; published Mar. 5, 1940. Class 31.

Lubow, Hyman, doing business as The Linette Co., New York, N. Y. Cotton piece goods. 377,849; May 14; Serial No. 427,470; published Mar. 5, 1940. Class 42.

M. & M. Hat Co. Inc., New York, N. Y. Women's hats. 377,715; May 14; Serial No. 422,513; published Mar. 5, 1940. Class 39.

Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. 377,699; May 14; Serial No. 413,414; published Feb. 14, 1939. Class 39.

Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. 377,861; May 14; Serial No. 427,760; published Mar. 5, 1940. Class 39.

Majestic Paper Corporation, New York, N. Y. Writing and typewriting paper. 377,719; May 14; Serial No. 423,105; published Mar. 5, 1940. Class 37.

Marcellene Chemical Company, Inc. (See Tono-Scalpa Company, Inc., assignor.)

Masury-Young Company, Charlestown, Mass. Cleaning and polishing preparation. 377,829; May 14; Serial No. 427,160; published Mar. 5, 1940. Class 4.

May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo., doing business as Famous-Barr Company, St. Louis, Mo. Shoes. 377,793; May 14; Serial No. 426,812; published Feb. 20, 1940. Class 39.

McClaren Rubber Company, Charlotte, N. C., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Rubber or rubber and fabric tires and tubes. 135,006; renewed Sept. 21, 1940.

Medico Press. (See Summy, Hoyd E.)

Merriam, G. & C., & Co., assignor to G. & C. Merriam Company, Springfield, Mass. Dictionaries. 18,449; re-renewed Sept. 23, 1940.

Michaels, Stern & Co. Inc., Rochester, N. Y. Suits and topcoats. 377,832; May 14; Serial No. 427,222; published Mar. 5, 1940. Class 39.

Miller & Hollis, Inc., Boston, Mass. Chocolates. 377,888; May 14. Class 46.

Miller, Marie R., doing business as The Walter W. Miller Company, Indianapolis, Ind. Metal cleaning material. 377,889; May 14; Serial No. 405,126; published Mar. 5, 1940. Class 4.

Mitchell, J. Kearsley, Bryn Mawr, Pa. Card tables. 377,827; May 14; Serial No. 427,109; published Mar. 5, 1940. Class 32.

Molly-'es. (See Goldman, Mollye.)

Monroe Block & Company, Providence, R. I. Pearls. 134,597; renewed Sept. 14, 1940.

Mueller Co., Decatur, Ill. Combination tool for drilling, tapping, and reaming. 377,764; May 14; Serial No. 426,341; published Mar. 5, 1940. Class 23.

Musher & Company, Incorporated, New York, N. Y.; Baltimore, Md.; San Diego, Calif.; and Washington, D. C. to Pompeian Olive Oil Corporation, Baltimore, Md., successor. Fish, vegetable oils, and dressings. 131,557; renewed May 18, 1940.

Myers, Philip R., New York, N. Y. Whiskey, gin, rum, etc. 377,839; May 14; Serial No. 427,285; published Mar. 5, 1940. Class 49.

National Brewers Academy and Consulting Bureau, The, New York, N. Y. A compound for improving the character or quality of beer or near beer. 135,289; renewed Sept. 28, 1940.

National Carbon Company, Inc., New York, N. Y. Electric fence controllers. 377,811; May 14; Serial No. 426,957; published Mar. 5, 1940. Class 21.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Emery cloth, emery wheels, sand paper, etc. 377,731; May 14; Serial No. 425,292; published Feb. 27, 1940. Class 4.

Nelson, Hugh, -Columbia Carpet Mills, Inc., Philadelphia, Pa. Textile rugs and carpets. 377,785; May 14; Serial No. 426,731; published Mar. 5, 1940. Class 42.

Nestlé's Milk Products, Inc., New York, N. Y. Infant's foods, evaporated and condensed milks, etc. 377,809–10; May 14; Serial Nos. 426,930–1; published Mar. 5, 1940. Class 46.

Newhall Chain Forge & Iron Co., New York, N. Y., to Newhall Chain & Iron Co., Westwood, N. J. Iron chains and steel chains and chain slings. 130,847; renewed May 4, 1940.

News Syndicate Co., Inc., New York, N. Y. Daily publication. 134,043; renewed Aug. 10, 1940.

North American Hosiery Corp., New York, N. Y. Hosiery. 377,824; May 14; Serial No. 427,085; published Mar. 5, 1940. Class 39.

Nutrition Research Laboratories, Inc., Chicago, Ill. Chemical plant growth stimulant. 377,746; May 14; Serial No. 425,900; published Feb. 27, 1940. Class 10.

Nye-Wait Company, Inc., Auburn, N. Y. Rugs and carpets. 377,855–7; May 14; Serial Nos. 427,503–5; published Mar. 5, 1940. Class 42.

Orthwine, Rudolf, Corporation, New York, N. Y. Needles for hand use. 377,723; May 14; Serial No. 424,058; published Mar. 5, 1940. Class 40.

Osborn, C. D., Co., Chicago, Ill. Ladies' gloves. 377,718; May 14; Serial No. 423,068; published Nov. 14, 1939. Class 39.

Oxygen Equipment Manufacturing Co., Inc., New York, N. Y. Oxygen tents. 377,886; May 14. Class 44.

Packard Dresses Inc., New York, N. Y. Dresses and dress ensembles. 377,782; May 14; Serial No. 426,705; published Mar. 5, 1940. Class 39.

Paramar, Inc., New York, N. Y. Robes and housecoats. 377,883; May 14. Class 39.

Parke, Davis & Company, Detroit, Mich. Germicide, disinfectant, antiseptic, etc. 132,773; renewed June 29, 1940.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Tile game. 377,813; May 14; Serial No. 426,988; published Mar. 5, 1940. Class 22.

Patch, E. L., Company, The, Stoneham, Mass. Rubefacient and anodyne cream. 135,297; renewed Sept. 28, 1940.

Patchogue-Plymouth Mills Corporation, New York, N. Y. Seat covering materials in the piece. 377,800; May 14; Serial No. 426,866; published Mar. 5, 1940. Class 42.

Patricia Petticoat Co., Inc., The, New York, N. Y. Slips, petticoats, nightgowns, etc. 377,775; May 14; Serial No. 426,628; published Mar. 5, 1940. Class 39.

Penslar Company, The, Detroit, Mich. Dentifrices. 133,777; renewed Aug. 3, 1940.

Pfanstiehl Chemical Company. (See Special Chemicals Company, assignor.)

Philco Radio and Television Corporation, Philadelphia, Pa. Radio receiving sets, control units, and parts thereof, and dry batteries. 377,695; May 14; Serial No. 412,865; published Mar. 5, 1940. Class 21.

Philco Radio and Television Corporation, Philadelphia, Pa. Radio receiving sets, control units, and parts thereof. 377,696; May 14; Serial No. 412,866; published Mar. 5, 1940. Class 21.

Pompeian Olive Oil Corporation. (See Musher & Company, Incorporated.)

Popper-Morson Co., Inc., Jersey City, N. J. Blended Scotch whiskey. 377,891; May 14. Class 49.

Princeton Silk Corp., New York, N. Y. Piece goods. 377,844; May 14; Serial No. 427,390; published Mar. 5, 1940. Class 42.

Quaker Oats Company, The, Chicago, Ill. Rolled oats and wheat flour. 377,825; May 14; Serial No. 427,086; published Mar. 5, 1940. Class 46.

Rauh, S., & Company, New York, N. Y. Spats. 377,709; May 14; Serial No. 420,498; published Feb. 20, 1940. Class 39.

Ravenscroft Wines, Inc., New York and Canandaigua, N. Y. Wines. 377,892; May 14. Class 47.

Rawlplug Company, Inc., The, New York, N. Y. Wall plugs. 377,741; May 14; Serial No. 425,809; published Mar. 5, 1940. Class 13.

Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Paint products. 377,757; May 14; Serial No. 426,140; published Mar. 5, 1940. Class 16.

Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y. Bristol paper. 377,881; May 14. Class 37.

Roethlisberger & Co., Inc., New York, N. Y. Cheese. 132,044; renewed June 8, 1940.

Rollor Manufacturing Co., New York, N. Y. Toys. 377,734; May 14; Serial No. 425,534; published Mar. 5, 1940. Class 22.

Roper, Geo. D., Corporation, Rockford, Ill. Broiler grills. 377,769; May 14; Serial No. 426,464; published Mar. 5, 1940. Class 34.

Rose, Jacob J., New York, N. Y. Outerskirts, jackets, blouses, etc. 377,733; May 14; Serial No. 425,488; published Feb. 27, 1940. Class 39.

Royal Feed & Milling Company. (See Superior Feed Co.)

St. Louis Rice Milling Company, St. Louis, Mo. Brewer's rice. 377,706; May 14; Serial No. 419,091; published July 18, 1939. Class 46.

Salvato, Charles, doing business as Charles Salvato & Company, New York, N. Y. Men's uniforms. 377,786; May 14; Serial No. 426,740; published Mar. 5, 1940. Class 39.

Salzberg, Saul, Inc., New York, N. Y. Fur coats, jackets, scarfs, etc. 377,714; May 14; Serial No. 422,181; published Mar. 5, 1940. Class 39.

Samuels-Kleiner, Ltd., assignor, by mesne assignments, to Sam Samuels, Los Angeles, Calif. Brassières. 377,684; May 14; Serial No. 357,745; published Dec. 19, 1939. Class 39.

Sassy Brand Dog Food Co. (See Los Angeles Sales Co.)

Schafer Baking Co., Inc., Bellingham, Wash. Corn bread. 377,879; May 14. Class 46.

Sealed Power Corporation, Muskegon, Mich. Piston rings. 377,732; May 14; Serial No. 425,428; published Mar. 5, 1940. Class 35.

Sears, Roebuck and Co., Chicago, Ill. Automobile robes. 377,779; May 14; Serial No. 426,673. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Billfolds. 377,797; May 14; Serial No. 426,845; published Feb. 27, 1940. Class 3.

Segal Lock and Hardware Co., Inc., New York, N. Y. Keys and locks. 133,318; renewed July 20, 1940.

Service Boot & Legging Company, Inc., The, New York, N. Y. Boots and shoes. 377,783; May 14; Serial No. 426,711; published Mar. 5, 1940. Class 39.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens, pencils, and ensembles of fountain pens and pencils. 377,803; May 14; Serial No. 426,905; published Mar. 5, 1940. Class 37.

Shield Foods, Inc., Buffalo, N. Y. Tuna flakes. 377,817; May 14; Serial No. 427,046; published Mar. 5, 1940. Class 46.

Silicocks-Miller Company, The, South Orange, N. J. Playing cards. 377,798; May 14; Serial No. 426,848; published Mar. 5, 1940. Class 22.

Sinclair Manufacturing Company, The, Toledo, Ohio. Powdered lye. 134,805–6; renewed Sept. 14, 1940.

Socony Paint Products Company, New York, N. Y. Paints, enamel paints, and varnishes. 377,830; May 14; Serial No. 427,175; published Mar. 5, 1940. Class 16.

Soil Conservation and Chemical Company, Denver, Colo. Commercial fertilizers. 377,693; May 14; Serial No. 411,716; published Dec. 20, 1938. Class 10.

South American Trading Company, New York, N. Y. Cigarettes. 377,804; May 14; Serial No. 426,907; published Mar. 5, 1940. Class 17.

Special Chemicals Company, Highland Park, assignor to Pfanstiehl Chemical Company, Waukegan, Ill. Salammoniac and soldering fluid. 132,530; renewed June 22, 1940.

Stainless Razor Blade Corp., New York, N. Y. Razor blades. 377,836; May 14; Serial No. 427,264; published Mar. 5, 1940. Class 23.

Stone-Tarlow Co., Inc., Brockton, Mass. Leather shoes. 377,837; May 14; Serial No. 427,266; published Mar. 5, 1940. Class 39.

Stone-Tarlow Co., Inc., Brockton, Mass. Leather shoes. 377,850; May 14; Serial No. 427,480; published Mar. 5, 1940. Class 39.

Storkline Furniture Corporation of California, Los Angeles, Calif. Juvenile furniture. 377,794; May 14; Serial No. 426,819; published Mar. 5, 1940. Class 32.

Strutwear Knitting Company, Minneapolis, Minn. Pajamas and nightgowns and bed jackets. 377,738; May 14; Serial No. 425,659; published Mar. 5, 1940. Class 39.

Summy, Hoyd E., doing business as the Medico Press, Millerstown, Pa. Envelopes. 377,869; May 14. Class 37.

Sunny South Packing Co., also doing business as De Soto Canning Company, Arcadia, Fla. Canned grapefruit juice and grapefruit sections. 377,805; May 14; Serial No. 426,909; published Mar. 5, 1940. Class 46.

Superior Feed Co., The, assignor to Royal Feed & Milling Company, Memphis, Tenn. Stock, dairy, and poultry feed. 135,344; renewed Sept. 28, 1940.

Swanky-Franky, Inc., Mineola, N. Y. Sandwiches. 377,770; May 14; Serial No. 426,501; published Mar. 5, 1940. Class 46.

Taylor, Laura P., New York, N. Y. Combination book cover and carrier. 377,743; May 14; Serial No. 425,846; published Mar. 5, 1940. Class 3.

Taylor Optical, Inc., Detroit, Mich. Spectacle or eye glass frames and mountings. 377,729; May 14; Serial No. 425,210; published Mar. 5, 1940. Class 26.

Taylor Wine Company, The, Hammondsport, N. Y. Wines. 377,712; May 14; Serial No. 421,817; published Oct. 17, 1939. Class 47.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electrical goods. 377,690; May 14; Serial No. 405,140; published Mar. 5, 1940. Class 21.

Tennessee Corporation, New York, N. Y. Fertilizers. 377,688; May 14; Serial No. 399,637; published Feb. 27, 1940. Class 10.

Texas Citrus Fruit Growers Exchange, also doing business as Val Verde Packing Co., Mission, Tex. Fresh citrus fruits and canned citrus juices. 377,806; May 14; Serial No. 426,911; published Mar. 5, 1940. Class 46.

Thomas, Chester L., doing business as Thomas Quilt Factories, Denver, Colo. Pillows and mattresses. 377,768; May 14; Serial No. 426,418; published Mar. 5, 1940. Class 32.

Thurston Cutting Corporation, New York, N. Y. Airplane cloth, balloon cloth, and aircraft tapes. 377,704; May 14; Serial No. 416,820; published Mar. 5, 1940. Class 42.

Times-Mirror Company, The, also doing business as Union Citrus Orchards, Brea, Calif. Fresh citrus fruit. 377,760; May 14; Serial No. 426,278; published Feb. 20, 1940. Class 46.

Tono-Scalpa Company, Inc., The, assignor, by mesne assignments, to Marcellene Chemical Company, Inc., Richmond, Va. Hair-dressing. 133,529; renewed July 27, 1940.

Triangle Food Stores, Inc., Hagerstown, Md. Bread. 377,722; May 14; Serial No. 423,934; published Mar. 5, 1940. Class 46.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Ornamented braids and chenille. 377,801; May 14; Serial No. 426,874; published Mar. 5, 1940. Class 40.

Uncas Manufacturing Company, Providence, R. I. Fingerrings, pins and bracelets. 134,110; renewed Aug. 10, 1940.

Union Citrus Orchards. (See Times-Mirror Company, The.)

Union Special Machine Company, Chicago, Ill. Sewing-machine needles. 135,351; renewed Sept. 28, 1940.

Union Twist Drill Company, Athol, Mass. Threading dies and taps, and holders therefor. 377,889; May 14. Class 23.

United States Rubber Company. (See Fisk Rubber Corporation, The, assignor.)

Universal Camera Corporation, New York, N. Y. Telephoto lenses, photographic lenses, and cameras. 377,742; May 14; Serial No. 425,823; published Mar. 5, 1940. Class 26.

Utica Knitting Company, Utica, N. Y. Men's woven underwear, knitted shirts, drawers, and union suits, etc. 377,807; May 14; Serial No. 426,917; published Mar. 5, 1940. Class 39.

Val Verde Packing Co. (See Texas Citrus Fruit Growers Exchange.)

Vitagraph Company of America, The, Brooklyn, assignor, by mesne assignments, to Vitagraph, Inc., New York, N. Y. Moving-picture films. 131,383; renewed May 11, 1940.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 377,851; May 14; Serial No. 427,485; published Mar. 5, 1940. Class 49.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 377,854; May 14; Serial No. 427,562; published Mar. 5, 1940. Class 49.

Ward Baking Company, New York, N. Y. Bread. 134,292; renewed Aug. 24, 1940.

Ward Baking Company, New York, N. Y. Cakes. 134,844; renewed Sept. 14, 1940.

Warren Beret Inc., New York, N. Y. Women's hats. 377,701; May 14; Serial No. 415,464; published Mar. 5, 1940. Class 39.

Weil & Schoenfeld Fabrics, Inc., New York, N. Y. Piece goods. 377,728; May 14; Serial No. 425,173; published Mar. 5, 1940. Class 42.

Whiting & Davis Company, Plainville, Mass. Mesh bags. 377,707; May 14; Serial No. 419,132; published Feb. 20, 1940. Class 3.

Whitlock Cordage Company, New York, N. Y. Manila rope. 130,139; renewed Apr. 6, 1940.

Whittemore Bros. Corp., Cambridge, Mass. Dressing to be used on leather and articles made therefrom. 131,670; renewed May 18, 1940.

Wright, E. T., & Company, Inc., Rockland, Mass. Women's and misses' shoes. 377,859; May 14; Serial No. 427,689; published Mar. 5, 1940. Class 39.

Wright, William E., & Sons Company, The, West Warren, Mass. Ribbons. 377,882; May 14. Class 42.

LIST OF REGISTRANTS OF LABELS

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Barbados Rum. For Rum. 54,704; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Caribbean Rum. For Rum. 54,705; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Cobra Rum. For Rum. 54,706; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Cuban Rum. For Rum. 54,707; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Demerara Rum. For Rum. 54,708; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Doctor Funk Rum. For Rum. 54,709; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Donga Rum. For Rum. 54,710; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Gold Rum. For Rum. 54,711; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Grog Rum. For Rum. 54,712; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Martinique Rum. For Rum. 54,713; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Missionary Rum. For Rum. 54,714; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Niggerhead Rum. For Rum. 54,715; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Okolehao. For Okolehao. 54,716; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Plyl Rum. For Rum. 54,717; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Puerto Rican Rum. For Rum. 54,718; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Puka Rum. For Rum. 54,719; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Sharkstooth Rum. For Rum. 54,720; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Silver Rum. For Rum. 54,721; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Tahitian Rum. For Rum. 54,722; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Teki Rum. For Rum. 54,723; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Virgin Rum. For Rum. 54,724; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand West Indies Rum. For Rum. 54,725; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Zombie Rum #1. For Rum. 54,726; May 14.

Beachcomber, The, Los Angeles, Calif. Beachcombers Brand Zombie Rum #2. For Rum. 54,727; May 14.

Benchen Company, The, St. Petersburg, Fla. Benchen. For a Tung and Peanut Compound for the Treatment of Muscular Aches and Pains, Insect Bites, Burns, Sunburn, Athlete's Foot, etc. 54,728; May 14.

Berst-Forster-Dixfield Company, New York, N. Y. Peerless Floral Sticks. For Floral Sticks. 54,729; May 14.

Bird & Son, Inc., East Walpole, Mass. Pedi-Pals. For Cartons. 54,730; May 14.

Bloomer Bros. Company, Newark, N. Y. Design No. 577. For Ice Cream. 54,731; May 14.

Bloomer Bros. Company, Newark, N. Y. Design No. 578. For Ice Cream. 54,732; May 14.

Blue Seal Food Products, Inc., Chicago, Ill. Blue Seal. For Salad Dressing. 54,733; May 14.

Borden Company, The, New York, N. Y. Borden's Cottage Cheese With Pasteurized Cream and Salt Added. For Cottage Cheese with Pasteurized Cream and Salt Added. 54,734; May 14.

Borden Company, The, New York, N. Y. Borden's Leader Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. 54,735; May 14.

Borden Company, The, New York, N. Y. Borden's Challenge Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. 54,736; May 14.

Borden Company, The, New York, N. Y. Borden's Magnolia Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. 54,737; May 14.

Borden Company, The, New York, N. Y. Borden's Peninsular Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. 54,738; May 14.

Borden Company, The, New York, N. Y. Borden's Standard Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. 54,739; May 14.

California Fruit Growers Exchange, Los Angeles, Calif. Bottlers Orange. For Bottlers' Orange. 54,740; May 14.

California Fruit Growers Exchange, Los Angeles, Calif. Oil of Orange. For Oil of Orange. 54,741; May 14.

Canute Co., The, Milwaukee, Wis. Canute Water Scientifically Re-Colors Gray Hair. For a Product Scientifically Re-coloring Gray Hair. 54,742; May 14.

Cardinal, William E., doing business as Uncle Tom's Bar-B-Q-Sauce Company, Cherry Lake, Fla. Uncle Tom's Bar-B-Q-Sauce. For Barbecue sauce. 54,743; May 14.

Clayton, A. C., Printing Company, St. Louis, Mo. Distinctive Footwear. For Footwear. 54,744; May 14.

Engel Art Corners Mfg. Co., Chicago, Ill. Duo. For Transparent Corners. 54,745; May 14.

Federated Foods, Inc., Chicago, Ill. Del Haven. For Cigars. 54,746; May 14.

General Mills, Inc., Minneapolis, Minn. A. R. P. I. Process Vitamin D. For A Concentrated, Sterilized Fluid Preparation of Vitamin D, Containing, Water, Casein and its Sodium Salt, Butter and Activated Ergosterol (A. R. P. I. Process) for use in Fortifying Fluid Milk and Other Food Products. 54,747; May 14.

Gusler Products Co., Fort Sumner, N. M. Thermo. For a Hand Cleaner. 54,748; May 14.

Ice Cream Securities Company, San Francisco, Calif. Ready to Spoon Ice Cream and Sherbert. For Ice Cream and Sherbert. 54,749; May 14.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Wax-O-Namel. For An Enamel Containing Wax. 54,750; May 14.

Josline Inc., Los Angeles, Calif. Hollywood Glamor Gloves. For Sanitary Domestic Gloves. 54,751; May 14.

Krause, Anna M. L., Milwaukee, Wis. Kalm Hel-Ras. For Mineral Water. 54,752; May 14.
Larsen Company, The, Green Bay, Wis. Veg-All Mixed Vegetables, Plan With Veg-All. For Canned Mixed Vegetables. 54,753; May 14.
Nissen, John P., Jr., doing business as John P. Nissen, Jr., Co., Wyncote, Pa. Nissen. For Colors. 54,754; May 14.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Velva. For Imitation Maple Waffle Syrup. 54,755; May 14.
Pennsylvania Bottling & Supply Co., Philadelphia Pa. Pennsylvania. For Pale Dry Ginger Ale. 54,756; May 14.
Rubin, M., & Company, Chicago, Ill. Genuine Sac de Perle Products. For Ladies' Handbags. 54,757; May 14.
Schulze Baking Company, Chicago, Ill., and Kansas City, Mo. Schulze Raisin Bread. For Raisin Bread. 54,758; May 14.
Serman, Maury M., doing business as M. Serman and Co., New York, N. Y. Laura Lee. For Blouses. 54,759; May 14.
Snuggle Products, Inc., Goshen, Ind. Snuggle In-B-Tween Gro-Suit. For Children's Garments. 54,760; May 14.
Spaulding Bakeries, Incorporated, Binghamton, N. Y. B–1. For Bread. 54,761; May 14.
Spector, William A., doing business as W. A. Spector, New York, N. Y. Florence Yams. For Yams. 54,762; May 14.
Sutton-Hunger Products Co., Inc., Los Angeles, Calif. Nato-Barro. For a Mineral Pack For the Relief of Pain, Bowed Tendons, Lame and Sore Muscles, Fever and Other Unsound Leg Condition in Horses. 54,763; May 14.
Sweetov, Jacob, doing business as Jacob Sweet, New York, N. Y. Shine-Off. For A Preparation Which Removes the Shine From Worn Clothing. 54,764; May 14.
Tobin, Martin J., Torrington, Conn. Yat. For a Game. 54,765; May 14.
Uncle Tom's Bar-B-Q-Sauce Company. (See Cardinal, William E.)
Vendo Company, The, Kansas City, Mo. Vendo. For Vending Machines. 54,766; May 14.

LIST OF REGISTRANTS OF PRINTS

Atlas Novelty Company, Chicago, Ill. Floor Lamp Special. For Floor Lamps. 17,957; May 14.
Brown & Bigelow, St. Paul, Minn. Age Old Goodness. For Beer. 17,958; May 14.
Celanese Corporation of America, New York, N. Y. In The Field of Woven Underwear . . . The Call is For Celanese Rayon Yarn. For Rayon Yarn. 17,959; May 14.
General Mills, Inc., Minneapolis, Minn. Send Only 50¢ for this Lovely "Flagship" Dress. For Flour. 17,960; May 14.
Johnston, Robert A., Company, Milwaukee, Wis. Marble Fudge. For Marble Fudge Ice Cream. 17,961; May 14.
McKesson & Robbins, Inc., Debtor. (See Wardall, William J.)
Muralo Company, Inc., The, Staten Island, N. Y. Muralo Casein Paint. For a Washable Casein Paint in Powdered Form. 17,962; May 14.
Muralo Company, Inc., The, Staten Island, N. Y. Mural-Tone Masonry Paint. For a Masonry Paint. 17,963; May 14.
Muralo Company, Inc., The, Staten Island, N. Y. Spackle. For a Permanent Interior Surfacing Compound. 17,964; May 14.
North Bro's M'f'g Co., Philadelphia, Pa. Yankee Handyman the Complete Tool Drives Screws Drills Holes Draws Screws. For Spiral Screw Drivers. 17,965; May 14.
Schenley Import Corporation, New York, N. Y. Twice Blest . . . East and West . . . This Negrita Cocktail. For Rum. 17,966; May 14.
Tasty Baking Company, Philadelphia, Pa. Keeps You Ticking. For Pie. 17,967; May 14.
Wardall, William J., Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y. The Topper by McKesson. For Men's Gift Packages Containing Cosmetics for Men. 17,968; May 14.
Young, Herring, Louisville, Ky. Think before You Drink. For a Beverage. 17,969; May 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Alden Coal Co. 377,868; May 14.
Coal. Ayrshire Patoka Collieries Corporation. 377,871; May 14.
Moulding compound. Coffee X Corporation. 377,774; May 14; Serial No. 426,604; published Mar. 5, 1940.

CLASS 2

Bags, Refrigerator. S. H. Kress and Company. 377,697; May 14; Serial No. 412,911; published Mar. 5, 1940.
Cabinet file, Recipe. American Home Magazine Corporation. 377,737; May 14; Serial No. 425,635; published March 5, 1940.

CLASS 3

Bags, Mesh. Whiting & Davis Company. 377,707; May 14; Serial No. 419,132; published Feb. 20, 1940.
Billfolds. Sears, Roebuck and Co. 377,797; May 14; Serial No. 426,845; published Feb. 27, 1940.
Cover and carrier, Combination book. L. P. Taylor. 377,743; May 14; Serial No. 425,846; published Mar. 5, 1940.

CLASS 4

Cleaning and polishing preparations. Masury-Young Company. 377,829; May 14; Serial No. 427,160; published Mar. 5, 1940.
Cleanser. Diversey Corporation. 377,720; May 14; Serial No. 423,131; published Nov. 21, 1939.
Dressing, polishes, and cleaners, Shoe. Everett & Barron Company. 377,777; May 14; Serial No. 426,646; published Mar. 5, 1940.
Dressing to be used on leather and articles made therefrom. Whittemore Bros. Corp. 131,670; renewed May 18, 1940.
Emery cloth, emery wheels, sand paper, etc. National Co-Operatives, Inc. 377,731; May 14; Serial No. 425,292; published Feb. 27, 1940.
Metal cleaning material. M. R. Miller. 377,689; May 14; Serial No. 405,126; published Mar. 5, 1940.
Soap, Powdered hand. Lano Company. 377,736; May 14; Serial No. 425,575; published Mar. 5, 1940.

CLASS 5

Glues. I. F. Laucks, Inc. 377,754; May 14; Serial No. 426,060; published Feb. 27, 1940.

CLASS 6

Cream, Rubefacient and anodyne. E. L. Patch Company. 135,297; renewed Sept. 28, 1940.
Dentifrices. Penslar Company. 133,777; renewed Aug. 3, 1940.
Germicide, disinfectant, antiseptic, etc. Parke, Davis & Company. 132,773; renewed June 29, 1940.
Hair-dressing. Tone-Scalpa Company. 133,529; renewed July 27, 1940.
Lye, Powdered. Sinclair Manufacturing Company. 134,805–6; renewed Sept. 14, 1940.
Sal-ammoniac and soldering fluid. Special Chemicals Company. 132,539; renewed June 22, 1940.

CLASS 7

Rope, Manila. Whitlock Cordage Company. 130,139; renewed Apr. 6, 1940.

CLASS 8

Pipes and cigarette holders, Smoking. J. Galter. 377,788; May 14; Serial No. 426,769; published Mar. 5, 1940.
Pipes, Tobacco. S. Frank. 377,876; May 14.

CLASS 10

Fertilizers. Hood Products Corporation. 377,784; May 14; Serial No. 426,730; published Mar. 5, 1940.
Fertilizers. Tennessee Corporation. 377,688; May 14; Serial No. 399,637; published Feb. 27, 1940.
Fertilizers, Commercial. Soil Conservation and Chemical Company. 377,693; May 14; Serial No. 411,716; published Dec. 20, 1938.
Plant growth stimulant, Chemical: Nutrition Research Laboratories, Inc. 377,746; May 14; Serial No. 425,900; published Feb. 27, 1940.

CLASS 11

Carbon-paper and typewriter-ribbons. Crown Ribbon and Carbon Mfg. Co. 133,945; renewed Aug. 10, 1940.
Ink, Printing. General Printing Ink Corporation. 377,812; May 14; Serial No. 426,976; published Feb. 27, 1940.

CLASS 13

Chains and steel chains and chain slings, Iron. Newhall Chain Forge & Iron Co. 130,847; renewed May 4, 1940.
Plugs, Wall. Rawlplug Company, Inc. 377,741; May 14; Serial No. 425,809; published Mar. 5, 1940.

Rivets, Tubular metal. B. F. Goodrich Company. 377,791; May 14; Serial No. 426,805; published Mar. 5, 1940.

CLASS 14

Steel, steel sheets, and plates of anti-rust steel, Anti-rust. Deutsche Röhrenwerke Aktiengesellschaft. 377,698; May 14; Serial No. 413,898; published Mar. 5, 1940.
Type, Printer's. American Type Founders, Incorporated. 377,840; May 14; Serial No. 427,323; published Mar. 5, 1940.

CLASS 16

Paint products. Red Spot Paint & Varnish Co. 377,757; May 14; Serial No. 426,140; published Mar. 5, 1940.
Paints and paint coatings, Flexible and resilient rubber base. Coppercote, Inc. 377,776; May 14; Serial No. 426,643; published Mar. 5, 1940.
Paints, enamel paints, and varnishes. Socony Paint Products Company. 377,830; May 14; Serial No. 427,175; published Mar. 5, 1940.

CLASS 17

Cigarettes. South American Trading Company. 377,804; May 14; Serial No. 426,907; published Mar. 5, 1940.
Cigars. American Tobacco Company. 377,747; May 14; Serial No. 425,946; published Mar. 5, 1940.

CLASS 19

Automobile seat and slip covers. Abel Sales Corporation. 377,877; May 14.

CLASS 21

Electric lighting fixtures, Unitary. Goodrich Electric Company. 377,874; May 14.
Electrical goods. Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. 377,690; May 14; Serial No. 405,140; published Mar. 5, 1940.
Electrical signs. Artkraft Sign Company. 377,873; May 14.
Fence controllers, Electric. National Carbon Company. 377,811; May 14; Serial No. 426,957; published Mar. 5, 1940.
Microphone for musical instruments, Special. Amperite Company. 377,875; May 14.
Radio receiving sets, control units, and parts thereof. Philco Radio and Television Corporation. 377,696; May 14; Serial No. 412,866; published Mar. 5, 1940.
Radio receiving sets, control units, and parts thereof, and dry batteries. Philco Radio and Television Corporation. 377,695; May 14; Serial No. 412,865; published Mar. 5, 1940.
Television receivers and component parts. American Television Corporation. 377,691; May 14; Serial No. 409,499; published Mar. 5 ,1940.

CLASS 22

Balls, play ground balls, and base balls, Soft. J. deBeer & Son. 377,847; May 14; Serial No. 427,450; published Mar. 5, 1940.
Cards, Playing. Sillcocks-Miller Company. 377,798; May 14; Serial No. 426,848; published Mar. 5, 1940.
Dolls and dolls' clothes. M. Goldman. 377,834; May 14; Serial No. 427,243; published Mar. 5, 1940.
Fishhooks. Driscoll Bruck Company. 377,845; May 14; Serial No. 427,424; published Mar. 5, 1940.
Fishing-lines. Horton Manufacturing Company. 135,263; renewed Sept. 28, 1940.
Fishing tackle. L. M. Davis. 377,864; May 14.
Fish lures. P. J. Jennings. 377,816; May 14; Serial No. 427,033; published Mar. 5, 1940.
Game. D. J. Edwards. 377,735; May 14; Serial No. 425,563; published Mar. 5, 1940.
Game, Tile. Parker Brothers, Inc. 377,813; May 14; Serial No. 426,988; published Mar. 5, 1940.
Games, Board. Milton Bradley Company. 377,702; May 14; Serial No. 415,702; published Sept. 19, 1939.
Golf balls. Coreless Golf Ball Company. 377,795; May 14; Serial No. 426,831; published Mar 5, 1940.
Golf club. T. P. Duncan, Jr. 377,842; May 14; Serial No. 427,340; published Mar. 5, 1940.
Ski-wax and other materials and preparations for use on skis. J. de Toledo. 377,721; May 14; Serial No. 423,555; published Mar 5, 1940.
Toys. Roller Manufacturing Co. 377,734; May 14; Serial No. 425,534; published Mar. 5, 1940.

CLASS 23

Drills, screw thread taps and screw cutting dies, etc., Twist. Coventry Gauge & Tool Co. Ltd. 377,711; May 14; Serial No. 421,730; published Mar. 5, 1940.
Fire extinguishers, Portable hand. Fertilmist Corporation. 377,755; May 14; Serial No. 426,128; published Mar. 5, 1940.
Hair removing devices. American Safety Razor Corporation. 377,687; May 14; Serial No. 398,141; published Mar. 5, 1940.
Knives and steel implements, Butchers'. Cattaraugus Cutlery Company. 17,700; re-renewed Mar. 25, 1940.
Mowers, Lawn. Dille & McGuire Mfg. Co. 377,841; May 14; Serial No. 427,339; published Mar. 5, 1940.
Needles, Sewing-machines. Union Special Machine Company. 135,351; renewed Sept. 28, 1940.
Razor blades. Stainless Razor Blade Corp. 377,836; May 14; Serial No. 427,264; published Mar. 5, 1940.
Threading dies and taps, and holders therefor. Union Twist Drill Company. 377,889; May 14.
Tool for drilling, tapping, and reaming, Combination. Mueller Co. 377,764; May 14; Serial No. 426,341; published Mar. 5, 1940.

CLASS 24

Washing-machines, Laundry power. Automatic Electric Washer Co. 130,037; renewed Apr. 6, 1940.

CLASS 25

Keys and locks. Segal Lock and Hardware Co. 133,318; renewed July 20, 1940.
Lock sets. Lockwood Hardware Manufacturing Co. 377,771; May 14; Serial No. 426,533; published Feb. 27, 1940.
Locks, Cylinder door. J. Chesler & Sons Company. 377,773; May 14; Serial No. 426,602; published Feb. 27, 1940.

CLASS 26

Films, Moving-picture. Vitagraph Company of America. 131,383; renewed May 11, 1940.
Lenses and blanks therefor, ophthalmic mountings, etc., Ophthalmic. American Optical Company. 377,751; May 14; Serial No. 426,044; published Mar. 5, 1940.
Lenses, Ophthalmic. Continental Optical Company. 377,833; May 14; Serial No. 427,230; published Mar. 5, 1940.
Lenses, Photographic lenses, and cameras, Telephoto. Universal Camera Corporation. 377,742; May 14; Serial No. 425,823; published Mar. 5, 1940.
Spectacle or eye glass frames and mountings. Taylor Optical, Inc. 377,729; May 14; Serial No. 425,210; published Mar. 5, 1940.

CLASS 28

Pearls. Monre Block & Company. 134,597; renewed Sept. 14, 1940.
Rings, pins and bracelets, Finger. Uncas Manufacturing Company. 134,110; renewed Aug. 10, 1940.

CLASS 31

Filtering medium. Luber-Finer, Inc. 377,823; May 14; Serial No. 427,080; published Mar. 5, 1940.
Filters and oil bath air cleaners, Oil. Ford Motor Company. 377,814; May 14; Serial No. 427,019; published Mar. 5, 1940.
Filters, Oil. W. J. Koinzan. 377,885; May 14.
Machines for filtering, cleansing, and reclaiming of oil, and filters therefor. Brace Process Corporation. 377,858; May 14; Serial No. 427,656; published Mar. 5, 1940.

CLASS 32

Chairs and convertible chair beds, Reclining. Bell Manufacturing Company. 377,752; May 14; Serial No. 426,046; published Mar. 5, 1940.
Cushions and seat covers. Ford Motor Company. 377,815; May 14; Serial No. 427,020; published Mar. 5, 1940.
Cushions, Chair. Columbus Coated Fabrics Corporation. 377,727; May 14; Serial No. 424,578; published Mar. 5, 1940.
Cushions, Furniture and vehicle seat. B. F. Goodrich Company. 377,792; May 14; Serial No. 426,806; published Mar. 5, 1940.
Furniture, Juvenile. Storkline Furniture Corporation of California. 377,794; May 14; Serial No. 426,819; published Mar. 5, 1940.
Pads for furniture, seat-cushions, mattresses, etc. Burton-Dixie Corporation. 377,726; May 14; Serial No. 424,574; published Mar. 5, 1940.
Pillows and mattresses. C. L. Thomas. 377,768; May 14; Serial No. 426,418; published Mar. 5, 1940.
Tables, Card. J. K. Mitchell. 377,827; May 14; Serial No. 427,109; published Mar. 5, 1940.

CLASS 34

Dust separators. American Air Filter Company. 377,819; May 14; Serial No. 427,058; published Mar. 5, 1940.
Dust separators. American Air Filter Company. 377,820–1; May 14; Serial Nos. 427,060–1; published Mar. 5, 1940.
Grills, Broiler. Geo. D. Roper Corporation. 377,769; May 14; Serial No. 426,464; published Mar. 5, 1940.
Ventilating units, Automatic endless chain impingement or open-baffle type of. American Air Filter Company. 377,818; May 14; Serial No. 427,057; published Mar. 5, 1940.

CLASS 35

Piston rings. Sealed Power Corporation. 377,732; May 14; Serial No. 425,428; published Mar. 5, 1940.
Piston rings, Metallic. Continental Piston Ring Company. 377,685; May 14; Serial No. 385,661; published Mar. 5, 1940.
Tires and tubes, Rubber or rubber and fabric. McClaren Rubber Company. 135,006; renewed Sept. 21, 1940.
Tires, Pneumatic vehicle. B. F. Goodrich Company. 377,790; May 14; Serial No. 426,804; published Mar. 5, 1940.

Tires, Vehicle. Fisk Rubber Corporation. 377,780; May 14; Serial No. 426,692; published Mar. 5, 1940.

CLASS 37

Envelopes. H. E. Summy. 377,869; May 14.
Paper, Bond. Lee Paper Company. 377,893; May 14.
Paper, Bristol. Riegel Paper Corporation. 377,881; May 14.
Paper, Writing and typewriting. International Paper Company. 377,725; May 14; Serial No. 424,306; published Mar. 5, 1940.
Paper, Writing and typewriting. Majestic Paper Corporation. 377,719; May 14; Serial No. 423,105; published Mar. 5, 1940.
Pencils, crayons and pencil refill leads, Lead. Blaisdell Pencil Company. 377,862; May 14; Serial No. 354,743; published Nov. 6, 1934.
Pens, pencils, and ensembles of fountain pens and pencils, Fountain. W. A. Sheaffer Pen Company. 377,803; May 14; Serial No. 426,905; published Mar. 5, 1940.
Tissue, cleansing tissue, paper towels, etc., Toilet. Blake, Moffitt & Towne. 377,878; May 14.

CLASS 38

Dictionaries. G. & C. Merriam & Co. 18,449; re-renewed Sept. 23, 1940.
Publication, Daily. News Syndicate Co. 134,043; renewed Aug. 10, 1940.

CLASS 39

Blouses, sweaters, dresses, etc., Women's and misses'. Bonwit Teller, Inc. 377,761; May 14; Serial No. 426,285; published Feb. 20, 1940.
Boots and shoes. Service Boot & Legging Company. 377,783; May 14; Serial No. 426,711; published Mar. 5, 1940.
Boots, shoes, and slippers. General Shoe Corporation. 377,843; May 14; Serial No. 427,372; published Feb. 27, 1940.
Brassières. Samuels-Kleiner, Ltd. 377,684; May 14; Serial No. 357,745; published Dec. 19, 1940.
Brassières, bandeaux, corsets, etc. Maiden Form Brassiere Company. 377,699; May 14; Serial No. 413,414; published Feb. 14, 1939.
Brassières, bandeaux, corsets, etc. Maiden Form Brassiere Company. 377,861; May 14; Serial No. 427,760; published Mar. 5, 1940.
Clothing, Protective. Wm. E. Hooper & Sons Company. 377,739; May 14; Serial No. 425,671; published Feb. 27, 1940.
Coats, jackets, scarfs, etc., Fur. Saul Salzberg, Inc. 377,714; May 14; Serial No. 422,181; published Mar. 5, 1940.
Coats, suits, dresses, etc. Colordination Group, Inc. 377,852; May 14; Serial No. 427,500; published Mar. 5, 1940.
Coats, suits, dresses, etc. Colordination Group, Inc. 377,853; May 14; Serial No. 427,502; published Mar. 5, 1940.
Corsets, corselets, girdles, etc. La Resista Corset Company. 377,767; May 14; Serial No. 426,364; published Feb. 20, 1940.
Dresses and dress ensembles. Packard Dresses Inc. 377,782; May 14; Serial No. 426,705; published Mar. 5, 1940.
Dresses, aprons, and uniforms, House. Hoover Manufacturing and Sales Company. 377,708; May 14; Serial No. 419,667; published Mar. 5, 1940.
Dresses, coats, skirts, etc., Girls'. Gimbel Brothers, Inc. 377,762; May 14; Serial No. 426,295; published Feb. 20, 1940.
Garments, Knitted and woven. Eclipse Knitting Mills, Inc. 377,716; May 14; Serial No. 422,895; published Nov. 21, 1939.
Gloves, Ladies'. C. D. Osborn Co. 377,718; May 14; Serial No. 423,068; published Nov. 14, 1939.
Hats, helmets, and caps, Protective. E. D. Bullard Company. 377,686; May 14; Serial No. 397,837; published Mar. 5, 1940.
Hair nets. French Veiling Corp. 377,802; May 14; Serial No. 426,884; published Feb. 27, 1940.
Hairnets, baby pants, roll garters, etc. J. A. Armstrong & Sons Inc. 377,748; May 14; Serial No. 425,947; published Feb. 27, 1940.
Hats and caps. Harris Langenberg Hat Co. 377,745; May 14; Serial No. 425,890; published Mar. 5, 1940.
Hats, Women's. M. & M. Hat Co. Inc. 377,715; May 14; Serial No. 422,513; published Mar. 5, 1940.
Hats, Women's. Warren Beret Inc. 377,701; May 14; Serial No. 415,464; published Mar. 5, 1940.
Hosiery. Huffman Full Fashioned Mills, Inc. 377,880; May 14.
Hosiery. S. S. Kresge Company. 377,848; May 14; Serial No. 427468; published Mar. 5, 1940.
Hosiery. North American Hosiery Corp. 377,824; May 14; Serial No. 427,085; published Mar. 5, 1940.
Hosiery and underwear, Ladies'. Lefcort Hosiery Co. Inc. 377,835; May 14; Serial No. 427,240; published Mar. 5, 1940.
Hosiery, scarfs, panties, etc. Ferrel Merchandisers, Inc. 377,724; May 14; Serial No. 424,298; published Mar. 5, 1940.
Hosiery, underwear and neckties. E. Friedman. 377,756; May 14; Serial No. 426,130; published Feb. 27, 1940.
Neckties. H. C. Cohn & Co. 377,703; May 14; Serial No. 416,036; published Mar. 5, 1940.
Neckties. M. Dombrowsky. 377,694; May 14; Serial No. 411,988; published Feb. 27, 1940.
Neckties. Hut Neckwear Co. Inc. 377,763; May 14; Serial No. 426,337; published Feb. 20, 1940.
Outerskirts, jackets, blousese, etc. J. J. Rose. 377,733; May 14; Serial No. 425,488; published Feb. 27, 1940.
Overcoats and topcoats. Alfred Decker & Cohn, Inc. 377,772; May 14; Serial No. 426,562; published Mar. 5, 1940.
Pajamas and nightgowns and bed jackets. Strutwear Knitting Company. 377,738; May 14; Serial No. 425,659; published Mar. 5, 1940.
Panties, panty girdles, girdles, etc. Chevette, Inc. 377,758; May 14; Serial No. 426,157; published Feb. 27, 1940.
Robes and housecoats. Paramar, Inc. 377,883; May 14.
Shoes. Abraham & Straus, Inc. 377,730; May 14; Serial No. 425,216; published Feb. 20, 1940.
Shoes. Field and Flint Co. 377,846; May 14; Serial No. 427,426; published Mar. 5, 1940.
Shoes. May Department Stores Company. 377,793; May 14; Serial No. 426,812; published Feb. 20, 1940.
Shoes, Ladies'. Frank R. Jelleff, Inc. 377,808; May 14; Serial No. 426,926; published Mar. 5, 1940.
Shoes, Leather. Stone-Tarlow Co. 377,837; May 14; Serial No. 427,266; published Mar. 5, 1940.
Shoes, Leather. Stone-Tarlow Co. 377,850; May 14; Serial No. 427,480; published Mar. 5, 1940.
Shoes, Women's and misses'. E. T. Wright & Company. 377,859; May 14; Serial No. 427,689; published Mar. 5, 1940.
Slippers. S. Dorée. 377,753; May 14; Serial No. 426,054; published Feb. 27, 1940.
Slips, petticoats, nightgowns, etc. Patricia Petticoat Co. 377,775; May 14; Serial No. 426,628; published Mar. 5, 1940.
Soles and heels for shoes. Avon Sole Company. 377,765–6; May 14; Serial Nos. 426,353–4; published Mar. 5, 1940.
Spats. S. Rauh & Company. 377,709; May 14; Serial No. 420,498; published Feb. 20, 1940.
Suits and girdles, Swimming. Jantzen Knitting Mills. 377,740; May 14; Serial No. 425,786; published Feb. 20, 1940.
Suits and topcoats. Michaels, Stern & Co. Inc. 377,832; May 14; Serial No. 427,222; published Mar. 5, 1940.
Underwear, Knitted. Ford Manufacturing Co. 134,945; renewed Sept. 21, 1940.
Underwear, knitted shirts, drawers, and union suits, etc., Men's woven. Utica Knitting Company. 377,807; May 14; Serial No. 426,917; published Mar. 5, 1940.
Uniforms, Men's. C. Salvato. 377,786; May 14; Serial No. 426,740; published Mar. 5, 1940.

CLASS 40

Braids, Alsatian. Dollfus-Mieg & Cie. Societe Anonyme. 130,175–6; renewed Apr. 13, 1940.
Braids and chenille, Ornamented. Bernhard Ulmann Co. Inc. 377,801; May 14; Serial No. 426,674; published Mar. 5, 1940.
Braids and passementerie. Dollfus Mieg & Cie. Societe Anonyme. 131,088–92; renewed May 4, 1940.
Needles for hand use. R. Orthwine. 377,723; May 14; Serial No. 424,058; published Mar. 5, 1940.

CLASS 42

Cloth, ballon cloth, and aircraft tapes, Airplane. Thurston Cutting Corporation. 377,704; May 14; Serial No. 416,820; published Mar. 5, 1940.
Cotton piece goods. H. Lubow. 377,849; May 14; Serial No. 427,470; published Mar. 5, 1940.
Fabrics, Household Textile. F. Frisch, Inc. 377,749–50; May 14; Serial Nos. 425,994–5; published Mar. 5, 1940.
Materials in the piece, Seat covering. Patchogue-Plymouth Mills Corporation. 377,800; May 14; Serial No. 426,866; published Mar. 5, 1940.
Net fabrics, Elastic. Lace Net Importing Co. 377,894; May 14.
Packages, containers and the like filled with piece goods. M. Lowenstein & Sons, Inc. 377,826; May 14; Serial No. 427,108; published Mar. 5, 1940.
Piece goods. American Bleached Goods Company. 377,860; May 14; Serial No. 427,691; published Mar. 5, 1940.
Piece goods. Feiner Fabrics Inc. 377,838; May 14; Serial No. 427,279; published Mar. 5, 1940.
Piece goods. Princeton Silk Corp. 377,844; May 14; Serial No. 427,390; published Mar. 5, 1940.
Piece goods. Weil & Schoenfeld Fabrics, Inc. 377,728; May 14; Serial No. 425,173; published Mar. 5, 1940.
Piece goods having elastic threads interwoven therethrough. B. V. D. Corporation. 377,789; May 14; Serial No. 426,706; published Mar. 5, 1940.
Piece goods, Woven. Loomtogs, Inc. 377,787; May 14; Serial No. 426,751; published Mar. 5, 1940.
Ribbons. William E. Wright & Sons Company. 377,882; May 14.
Robes, Automobile. Sears, Roebuck and Co. 377,779; May 14; Serial No. 426,673.
Rugs and carpets. Nye-Walt Company. 377,855–7; May 14; Serial Nos. 427,593–5; published Mar. 5, 1940.
Rugs and carpets, Textile. Hugh Nelson-Columbia Carpet Mills, Inc. 377,785; May 14; Serial No. 426,731; published Mar. 5, 1940.

CLASS 43

Thread and yarn. American Bemberg Corporation. 377,831; May 14; Serial No. 427,186; published Mar. 5, 1940.
Yarns. American Silk Spinning Co. 377,799; May 14; Serial No. 426,851; published Mar. 5, 1940.

CLASS 44

Oxygen tents. Oxygen Equipment Manufacturing Co. 377,886; May 14.
Sanitary napkins. Cellucotton Products Company. 134,900; renewed Sept. 21, 1940.
Teeth, Artificial. Columbus Dental Manufacturing Company. 130,679; renewed May 4, 1940.
Teeth, Artificial. Ideal Tooth, Incorporated. 377,867; May 14.
Tongue depressor, Luminating. Emeloid Co. 377,870; May 14.

CLASS 46

Bread. Triangle Food Stores, Inc. 377,722; May 14; Serial No. 423,934; published Mar. 5, 1940.
Bread. Ward Baking Company. 134,292; renewed Aug. 24, 1940.
Bread, Corn. Schafer Baking Co. 377,879; May 14.
Butter. Kraft-Phenix Cheese Corporation. 377,705; May 14; Serial No. 417,694; published Mar. 5, 1940.
Cakes. Ward Baking Company. 134,844; renewed Sept. 14, 1940.
Candy. Jacobs Candy Co. 377,759; May 14; Serial No. 426,203; published Mar. 5, 1940.
Canned dog and cat food. Los Angeles Sales Co. 377,828; May 14; Serial No. 427,121; published Mar. 5, 1940.
Canned fruits, vegetables, berries, etc. Bercut-Richards Packing Company. 377,872; May 14.
Canned grapefruit juice and grapefruit sections. Sunny South Packing Co. 377,806; May 14; Serial No. 426,909; published Mar. 5, 1940.
Cereals and confections made by coating the same, Puffed corn starchy. Korn Kurls Co. 377,692; May 14; Serial No. 410,091; published Feb. 7, 1939.
Cheese. Roethlisberger & Co. 132,044; renewed June 8, 1940.
Chocolates. Miller & Hollis, Inc. 377,888; May 14.
Coffee. U. & J. Lenson Corp. 377,884; May 14.
Feed, Stock, dairy, and poultry. Superior Feed Co. 135,344; renewed Sept. 28, 1940.
Fish, vegetable oils and dressings. Musher & Company. 131,557; renewed May 18, 1940.
Flour, Pancake, cake, and biscuit. Charleston Milling Company. 377,744; May 14; Serial No. 425,850; published Mar. 5, 1940.
Flour, White. Baur Flour Mills Co. 377,887; May 14.
Food for dogs and other carnivorous animals. Kellogg Company. 377,796; May 14; Serial No. 426,836; published Mar. 5, 1940.
Foods, evaporated and condensed milks, etc., Infant's. Nestlé's Milk Products, Inc. 377,809–10; May 14; Serial Nos. 426,930–1; published Mar. 5, 1940.
Fruit, Fresh citrus. M. C. Britt Produce Company. 377,717; May 14; Serial No. 422,983; published Oct. 31, 1939.
Fruit, Fresh citrus. Times-Mirror Company. 377,760; May 14; Serial No. 426,278; published Feb. 20, 1940.
Fruits and canned citrus juices, Fresh citrus. Texas Citrus Fruit Growers Exchange. 377,806; May 14; Serial No. 426,911; published Mar. 5, 1940.
Gum, Chewing. Gumakers of America, Inc. 377,695; May 14.
Ice cream cones. Eastern Baking Company. 377,866; May 14.
Lecithin and associated phosphatides with vegetable oil. American Lecithin Company. 377,890; May 14.
Oats and wheat flour, Rolled. Quaker Oats Company. 377,825; May 14; Serial No. 427,086; published Mar. 5, 1940.
Rice, Brewer's. St. Louis Rice Milling Company. 377,706; May 14; Serial No. 419,091; published July 18, 1939.
Sandwiches. Swanky-Franky, Inc. 377,770; May 14; Serial No. 426,501; published Mar. 5, 1940.
Sugar. Little & Christman. 377,865; May 14.
Tomato paste, canned tomatoes, cheese, etc. J. Di Santo. 377,863; May 14.
Tuna flakes. Shield Foods, Inc. 377,817; May 14; Serial No. 427,046; published Mar. 5, 1940.
Vegetables, Fresh. Bonita Packing Co. 377,822; May 14; Serial No. 427,064; published Mar. 5, 1940.

CLASS 47

Wines. B. Long. 377,700; May 14; Serial No. 414,918; published Mar. 5, 1940.
Wines. Ravenscroft Wines, Inc. 377,892; May 14.
Wines. Taylor Wine Company. 377,712; May 14; Serial No. 421,817; published Oct. 17, 1939.
Wines, Port. Fenerbeerd Bros. & Companhia Limitada. 377,710; May 14; Serial No. 420,715; published Mar. 5, 1940.

CLASS 48

Beer, ale, porter, etc. Peter Breidt Brewing Company. 377,896; May 14.
Compound for improving the character or quality of beer or near beer. National Brewers Academy and Consulting Bureau. 135,289; renewed Sept. 28, 1940.

CLASS 49

Whiskey. E. M. Fleischmann Distilling Corp. 377,781; May 14; Serial No. 426,693; published Mar. 5, 1940.
Whiskey. Jesse Moore Hunt Co. 377,778; May 14; Serial No. 426,660; published Mar. 5, 1940.
Whiskey. Hiram Walker & Sons Inc. 377,851; May 14; Serial No. 427,485; published Mar. 5, 1940.
Whiskey. Hiram Walker & Sons Inc. 377,854; May 14; Serial No. 427,562; published Mar. 5, 1940.
Whiskey, gin, rum, etc. P. R. Myers. 377,839; May 14; Serial No. 427,285; published Mar. 5, 1940.
Whisky, Blended Scotch. Popper-Morson Co. 377,891; May 14.

CLASS 50

Leather substitute. R. Buchsbaum & Company. 377,713; May 14; Serial No. 421,842; published Mar. 5, 1940.

LIST OF LABELS

A. R. P. I. Process Vitamin D. For a Concentrated, Sterilized Fluid Preparation of Vitamin D, containing, Water, Casein and its Sodium Salt, Butter and Activated Ergosterol (A. R. P. I. Process) for Use in Fortifying Fluid Milk and Other Food Products. General Mills, Inc. 54,747; May 14.
B-1. For Bread. Spaulding Bakeries, Incorporated. 54,761; May 14.
Beachcombers Brand Barbados Rum. For Rum. Beachcomber. 54,704; May 14.
Beachcombers Brand Caribbean Rum. For Rum. Beachcomber. 54,705; May 14.
Beachcombers Brand Cobra Rum. For Rum. Beachcomber. 54,706; May 14.
Beachcombers Brand Cuban Rum. For Rum. Beachcomber. 54,707; May 14.
Beachcombers Brand Demerara Rum. For Rum. Beachcomber. 54,708; May 14.
Beachcombers Brand Doctor Funk Rum. For Rum. Beachcomber. 54,709; May 14.
Beachcombers Brand Donga Rum. For Rum. Beachcomber. 54,710; May 14.
Beachcombers Brand Gold Rum. For Rum. Beachcomber. 54,711; May 14.
Beachcombers Brand Grog Rum. For Rum. Beachcomber. 54,712; May 14.
Beachcombers Brand Martinique Rum. For Rum. Beachcomber. 54,713; May 14.
Beachcombers Brand Missionary Rum. For Rum. Beachcomber. 54,714; May 14.
Beachcombers Brand Niggerhead Rum. For Rum. Beachcomber. 54,715; May 14.
Beachcombers Brand Okolehao. For Okolehao. Beachcomber. 54,716; May 14.
Beachcombers Brand Piyi Rum. For Rum. Beachcomber. 54,717; May 14.
Beachcombers Brand Puerto Rican Rum. For Rum. Beachcomber. 54,718; May 14.
Beachcombers Brand Puka Rum. For Rum. Beachcomber. 54,719; May 14.
Beachcombers Brand Sharkstooth Rum. For Rum. Beachcomber. 54,720; May 14.
Beachcombers Brand Silver Rum. For Rum. Beachcomber. 54,721; May 14.
Beachcombers Brand Tahitian Rum. For Rum. Beachcomber. 54,722; May 14.
Beachcombers Brand Teki Rum. For Rum. Beachcomber. 54,723; May 14.
Beachcombers Brand Virgin Rum. For Rum. Beachcomber. 54,724; May 14.
Beachcombers Brand West Indies Rum. For Rum. Beachcomber. 54,725; May 14.
Beachcombers Brand Zombie Rum #1. For Rum. Beachcomber. 54,726; May 14.
Beachcombers Brand Zombie Rum #2. For Rum. Beachcomber. 54,727; May 14.
Benchen. For a Tung and Peanut Compound for the Treatment of Muscular Aches and Pains, Insect Bites, Burns, Sunburn, Athlete's Foot, etc. The Benchen Company. 54,728; May 14.
Blue Seal. For Salad Dressing. Blue Seal Food Products, Inc. 54,733; May 14.
Borden's Challenge Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. Borden Company. 54,736; May 14.
Borden's Cottage Cheese With Pasteurized Cream and Salt added. For Cottage Cheese with Pasteurized Cream and Salt added. Borden Company. 54,734; May 14.

Borden's Leader Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. Borden Company. 54,735; May 14.
Borden's Magnolia Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. Borden Company. 54,737; May 14.
Borden's Peninsular Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. Borden Company. 54,738; May 14.
Borden's Standard Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. Borden Company. 54,739; May 14.
Bottlers Orange. For Bottlers' Orange. California Fruit Growers Exchange. 54,740; May 14.
Canute Water Scientifically Re-Colors Gray Hair. For a Product Scientifically Re-coloring Gray Hair. Canute Co. 54,742; May 14.
Del Haven. For Cigars. Federated Foods, Inc. 54,746; May 14.
Design No. 577. For Ice Cream. Bloomer Bros. Company. 54,731; May 14.
Design No. 578. For Ice Cream. Bloomer Bros. Company. 54,732; May 14.
Distinctive Footwear. For Footwear. A. C. Clayton Printing Company. 54,744; May 14.
Duo. For Transparent Corners. Engel Art Corners Mfg. Co. 54,745; May 14.
Florence Yams. For Yams. W. A. Spector. 54,762; May 14.
Genuine Sac de Perle Products. For Ladies' Handbags. M. Rubin & Company. 54,757; May 14.
Hollywood Glamor Gloves. For Sanitary Domestic Gloves. Josline Inc. 54,751; May 14.
Johnson's Wax-O-Namel. For an Enamel Containing Wax. S. C. Johnson & Son, Inc. 54,750; May 14.
Kalm Hel-Ras. For Mineral Water. A. M. L. Krause. 54,752; May 14.
Laura Lee. For Blouses. M. M. Serman. 54,759; May 14.
Nato-Barro. For a Mineral Pack for the Relief of Pain, Bowed Tendons, Lame and Sore Muscles, Fever and other Unsound Leg Condition in Horses. Sutton-Hunger Products Co. 54,763; May 14.
Nissen. For Colors. J. P. Nissen, Jr. 54,754; May 14.
Oil of Orange. For Oil of Orange. California Fruit Growers Exchange. 54,741; May 14.
Pedi-Pals. For Cartons. Bird & Son, Inc. 54,730; May 14.
Peerless Floral Sticks. For Floral Sticks. Berst-Forster-Dixfield Company. 54,729; May 14.
Pennsylvania. For Pale Dry Ginger Ale. Pennsylvania Bottling & Supply Co. 54,756; May 14.
Ready to Spoon Ice Cream and Sherbet. For Ice Cream and Sherbet. Ice Cream Securities Company. 54,749; May 14.
Schulze Raisin Bread. For Raisin Bread. Schulze Baking Company. 54,758; May 14.
Shine-Off. For a Preparation Which Removes the Shine From Worn Clothing. J. Sweetov. 54,764; May 14.
Snuggle In-B-Tween Gro-Suit. For Children's Garments. Snuggle Products, Inc. 54,760; May 14.
Thermo. For a Hand Cleaner. Gusler Products Co. 54,748; May 14.
Uncle Tom's Bar-B-Q-Sauce. For Barbecue Sauce. W. E. Cardinal. 54,743; May 14.
Veg-All Mixed Vegetables, Plan With Veg-All. For Canned Mixed Vegetables. Larsen Company. 54,753; May 14.
Velva. For Imitation Maple Waffle Syrup. Penick & Ford, Ltd. Incorporated. 54,755; May 14.
Vendo. For Vending Machines. Vendo Company. 54,766; May 14.
Yat. For a Game. M. J. Tobin. 54,765; May 14.

LIST OF PRINTS

Age Old Goodness. For Beer. Brown & Bigelow. 17,958; May 14.
Floor Lamp Special. For Floor Lamps. Atlas Novelty Company. 17,957; May 14.
In The Field of Woven Underwear . . . The Call is For Celanese Rayon Yarn. For Rayon Yarn. Celanese Corporation of America. 17,959; May 14.
Keeps You Ticking. For Pie. Tasty Baking Company. 17,967; May 14.
Marble Fudge. For Marble Fudge Ice Cream. Robert A. Johnston Company. 17,961; May 14.
Muralo Casein Paint. For a Washable Casein Paint in Powdered Form. Muralo Company. 17,962; May 14.
Mural-Tone Masonry Paint. For a Masonry Paint. Muralo Company. 17,963; May 14.
Send Only 50¢ for This Lovely "Flagship" Dress. For Flour. General Mills, Inc. 17,960; May 14.
Spackle. For a Permanent Interior Surfacing Compound. Muralo Company. 17,964; May 14.
The Topper By McKesson. For Men's Gift Packages Containing Cosmetics for Men. W. J. Wardall. 17,968; May 14.
Think Before You Drink. For a Beverage. H. Young. 17,969; May 14.
Twice Blest . . . East and West . . . This Negrita Cocktail. For Rum. Schenley Import Corporation. 17,966; May 14.
Yankee Handyman the Complete Tool Drives Screws Drills Holes Draws Screws. For Spiral Screw Drivers. North Bro's M'f'g Co. 17,965; May 14.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Utensil Company. (See McNitt, Willard C., assignor.)
Byrkit, Rollin J., Jr., Hattiesburg, Miss., assignor to Hercules Powder Company, Wilmington, Del. Hydrogenation process. Re. 21,448; May 14.
Hercules Powder Company. (See Byrkit, Rollin J., Jr., assignor.)
International Register Company. (See Woodward, A. H., Richmond, and Thompson.)
McNitt, Willard C., deceased, Winnetka, by American Utensil Company, Chicago, Ill., assignee. Tomato juice extractor. Re. 21,449; May 14.
Pyzel, Ewald D., deceased, Pittsburg, by Shell Development Company, San Francisco, Calif., assignee. Hydrogenation of olefin polymers. Re. 21,450; May 14.
Richmond, William E. (See Woodward, A. H., Richmond, and Thompson.)
Shell Development Company. (See Pyzel, Ewald D., assignor.)
Thompson, Ernest H. (See Woodward, A. H., Richmond, and Thompson.)
Woodward, Arthur H., Winnetka, W. E. Richmond, Wilmette, and E. H. Thompson, Winnetka, assignors to International Register Company, Chicago, Ill. Vending machine. Re. 21,451; May 14.

LIST OF PLANT PATENTEES

Conard-Pyle Company, The. (See Hatton, Robert M., assignor.)
Couteau, Alphonse, Orleans, France, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 400; May 14.
Dearborn, Julia I., Corvallis, Oreg. Violet. 397; May 14.
Hatton, Robert M., Harrisburg, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 396; May 14.
Jackson & Perkins Company. (See Couteau, Alphonse, assignor.)
Jackson & Perkins Company. (See Kordes, Wilhelm, assignor.)
Kordes, Wilhelm, Sparrieshoop in Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 395; May 12.
Okada, Minoru, San Lorenzo, Calif. Pink carnation. 398; May 12.
Okada, Minoru, San Lorenzo, Calif. Red carnation. 399; May 14.

LIST OF DESIGN PATENTEES

Advertising Corporation of West Virginia. (See Strauss, Charles J., assignor.)
American Hard Rubber Company. (See Carson, Oswald B., assignor.)
American Type Founders, Inc. (See Tammen, Glenn W., assignor.)
Ash, George T., Washington, D. C. Pipe. 120,536; May 14.
Bahr, Gustave F., assignor to Casco Products Corporation, Bridgeport, Conn. Grille guard. 120,521; May 14.
Baird, William M., Chicago, Ill. Combined display and dispensing cabinet for frozen food or the like. 120,476; May 14.
Baker, Clarence H., Indianapolis, Ind., assignor to Oxweld Acetylene Company. Combined carbide hopper and feed control unit for an acetylene generator. 120,477; May 14.
Barrott, William E., Aurora, Ind. Textile fabric or similar article. 120,496; May 14.
Beckett, Reginald W., Elyria, Ohio. Air tube for oil burners or the like. 120,478; May 14.
Beckett, Thomas G., Dallas, Tex. Pump. 120,537; May 14.
Bellinson, Leo, New York, N. Y. Dress. 120,597; May 14.
Ben-Burk, Inc. (See Berkowitz, Hyman C., assignor.)
Berkowitz, Hyman C., assignor to Ben-Burk, Inc., Boston, Mass. Bottle. 120,538; May 14.
Berman, Harry, New York, N. Y. Evening gown. 120,561; May 14.
Berman, Harry, New York, N. Y. Evening gown. 120,562; May 14.
Biggs, Orrick H., Beverly, and C. F. MacCarthy, assignors to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent lamp fixture. 120,563; May 14.
Binks Manufacturing Company. (See Tammen, Glenn W., assignor.)
Birnbaum, Morris, New York, N. Y. Dress. 120,598; May 14.
Birnbaum, Morris, New York, N. Y. Dress. 120,599; May 14.
Blazey, Lawrence A., Cleveland, Ohio, assignor to Benjamin F. W. Heyer, Tenafly, N. J. Battery charger and tester. 120,522; May 14.
Blazey, Lawrence A., Cleveland, Ohio, assignor to Benjamin F. W. Heyer, Tenafly, N. J. Battery tester. 120,523; May 14.
Blazey, Lawrence A., Cleveland, Ohio, assignor to Benjamin F. W. Heyer, Tenafly, N. J. Battery tester. 120,524; May 14.
Bollak, Andrew, New York, N. Y. Toy. 120,479; May 14.
Boor, Vladimir J., Scotch Plains, N. J., and A. J. Bradford, Grosse Pointe Farms, Mich. Portable combined sound and picture reproducing apparatus. 120,497; May 14.
Boucher, Marcel, New York, N. Y. Pin or similar article. 120,539; May 14.
Boucher, Marcel, New York, N. Y. Pin or similar article. 120,540; May 14.
Boyd, James K., Wilkinsburg, Pa. Ashtray. 120,541; May 14.
Bradford, Arthur J. (See Boor, V. J., and Bradford.)
Buffum, Russell C., assignor to Graef & Schmidt, Inc., New York, N. Y. Combined finger nail file and powder scoop. 120,525; May 14.
Calick, Paul, New York, N. Y. Dress. 120,600; May 14.
Campbell, Willard S., Hampshire, Ill. Casing for a combined milk can washer, sterilizer, and drier. 120,542; May 14.
Carafa, Rose, New York, N .Y. Stocking. 120,543; May 14.
Carney, Clifford R., Detroit, Mich. Ice tray. 120,480; May 14.
Carson, Oswald B., Bronxville, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries and similar articles. 120,526; May 14.
Carter, Thomas A., Jr., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Lighting fixture. 120,544; May 14.
Casco Products Corporation. (See Bahr, Gustave F., assignor.)
Cazin, Otto K., Hoboken, N. J., assignor to Universal Camera Corporation, New York, N. Y. Camera. 120,583; May 14.
Chapoton, Louis F., Detroit, Mich. Reading glass. 120,498; May 14.
Chase, Harold V., Evanston, Ill. Chessmen. 120,499; May 14.
Cohen, Max L., New York, N. Y. Textile fabric or similar article. 120,584; May 14.
Conrad Shoe Company, The. (See Mosher, George J., assignor.)
Dahlberg, Carl, Duluth, Minn. Garment cleaning unit. 120,481; May 14.
Daily, William J. (See Schillace, A., and Daily.)
Darrin, Howard A., Brentwood, Calif. Automobile. 120,482; May 14.
Delman, Herman B., New York, N. Y. Shoe. 120,500; May 14.
Delphos Bending Company, The. (See Peltier, Leslie, assignor.)

Dictaphone Corporation. (See Feyrer, William F., assignor.)
Dreyfuss, Henry. (See Payne, W. B., and Dreyfuss.)
Electric Neon Clock Company, The. (See Lewis, M. W., Johanson, and Pennell, assignors.)
Elting, August O., Chicago, Ill. Arm for lamp fixtures. 120,545; May 14.
Elting, August O., Chicago, Ill. Arm for lamp fixtures. 120,546; May 14.
Evans Case Company. (See Reilly, William J., assignor.)
Feyrer, William F., Norwalk, Conn., assignor to Dictaphone Corporation, New York, N. Y. Commercial phonograph. 120,501; May 14.
Finnegan, George J., New York, N. Y. Textile fabric. 120,502; May 14.
Finnegan, George J., New York, N. Y. Textile fabric. 120,503; May 14.
Fosgood Corporation. (See Foster, Joseph C., assignor.)
Foster, Joseph C., assignor to Fosgood Corporation, Leominster, Mass. Goggle frame. 120,504; May 14.
Gessler, Harry C., Brooklyn, N. Y. Salcellar or similar container. 120,547; May 14.
Gest, Max. (See Habig, Harry R., assignor.)
Graef & Schmidt, Inc. (See Buffum, Russell C., assignor.)
Grand Rapids Store Equipment Company. (See Carter, Thomas A., Jr., assignor.)
Grean, Alexandre M., Mount Vernon, N. Y. Snood-scarf. 120,585; May 14.
Gross, Harry B., Brooklyn, N. Y. Combination lamp and mirror or similar article. 120,527; May 14.
Grossman, Samuel, Chicago, Ill. Dress. 120,564; May 14.
Guth, Edwin F., St. Louis, Mo. Fluorescent lighting fixture. 120,548; May 14.
Habig, Harry R., assignor of one-half to M. Gest, Cincinnati, Ohio. Enlarger. 120,505; May 14.
Haggart, John C., Jr., Westfield, N. J., assignor to Signal Service Corporation. Reflector signal device or the like. 120,549; May 14.
Haggart, John C., Jr., Westfield, N. J., assignor to Signal Service Corporation. Reflector signal device or the like. 120,550; May 14.
Haggart, John C., Jr., Westfield, N. J., assignor to Signal Service Corporation. Reflector signal device or the like. 120,551; May 14.
Hall, Mercedes, New York, N. Y. Convertible purse. 120,586; May 14.
Haon, Marion, New York, N. Y. Dress. 120,483; May 14.
Haub, Edwin, Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Pitcher. 120,484; May 14.
Hazel-Atlas Glass Company. (See Haub, Edwin, assignor.)
Henry Aline, New York, N. Y. Dress ensemble. 120,565; May 14.
Heyer, Benjamin F. W. (See Blasey, Lawrence A., assignor.)
Hinkins, Ernest A., assignor to Tygart Valley Glass Company, Washington, Pa. Jar. 120,587; May 14.
Hollingsworth, Jesse N., Los Angeles, Calif. Display rack. 120,485; May 14.
Holstein, Sol, New York, N. Y. Button. 120,506; May 14.
Holstein, Sol, New York, N. Y. Button. 120,507; May 14.
Hygrade Sylvania Corporation. (See Biggs, O. H., and MacCarthy, assignors.)
Johanson, Fred. (See Lewis, M. W., Johanson, and Pennell.)
Josephson, Harry, New York, N. Y. Drapery fabric. 120,508; May 14.
Kalman, Louis, New York, N. Y. Textile fabric. 120,509; May 14.
Kaul, Richard D., Fairfield, assignor to The Sealand Corporation, Bridgeport, Conn. Portable fire pump unit. 120,552; May 14.
Kernes, James, Chicago, Ill. Lamp base. 120,553; May 14.
King, Samuel, Boston, Mass. Dress ensemble. 120,566; May 14.
King, Samuel, Boston, Mass. Dress ensemble. 120,567; May 14.
Kuchin, Laurence, Jr., Seattle, Wash. Game board. 120,486; May 14.
Kunze, Albert J., Cleveland, Ohio. Combination camera and illuminating device. 120,510; May 14.
Kushner, Jacob J., New York, N. Y. Dress. 120,601; May 14.
Kushner, Jacob J., New York, N. Y. Dress. 120,602; May 14.
Levine, Maurice H., Chicago, Ill. Supporting leg for a table or similar article. 120,487; May 14.
Lewis, Myron W., F. Johanson, and D. R. Pennell, Alliance, assignors to The Electric Neon Clock Company, Cleveland, Ohio. Clock sign. 120,488; May 14.
Lipic, Sylvester G., St. Louis, Mo. Key holder. 120,568; May 14.
Lubin, Henry G. (See Vivaudou, J. E., and Lubin.)
Lux Clock Manufacturing Company, The. (See Lux, Frederick, assignor.)
Lux, Frederick, assignor to The Lux Clock Manufacturing Company, Waterbury, Conn. Wall clock. 120,511; May 14.
Lynch, Edward S., New York, N. Y. Lamp. 120,554; May 14.
MacCarthy, Charles F. (See Biggs, O. H., and MacCarthy.)
Marx, Louis, & Company. (See Schillace, A., and Daily, assignors.)
Mosher, George J., Brockton, assignor to The Conrad Shoe Company, North Abington, Mass. Shoe. 120,588; May 14.
Musselman, Alvin J., Cleveland Heights, Ohio. Wrench. 120,489; May 14.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,603; May 14.
Novak, Syd, Chicago, Ill. Dress ensemble. 120,604; May 14.
Novak, Syd, Chicago, Ill. Dress. 120,605; May 14.
Novak, Syd, Chicago, Ill. Dress. 120,606; May 14.
Oermann, Carl H., York, Pa. Glider. 120,628; May 14.
Oxweld Acetylene Company. (See Baker, Clarence H., assignor.)
Packard, Elmer D., Norway, Maine. Shoe or similar article. 120,512; May 14.
Payne, Walter B., Rochester, and H. Dreyfuss, New York, N. Y. Casing for a check writing machine or similar article. 120,529; May 14.
Peltier, Leslie, assignor to The Delphos Bending Company, Delphos, Ohio. Baby's walker or similar article. 120,569; May 14.
Peltier, Leslie, assignor to The Delphos Bending Company, Delphos, Ohio. Baby's walker or similar article. 120,570; May 14.
Peltier, Leslie, assignor to The Delphos Bending Company, Delphos, Ohio. Combination child's walker and stroller or similar article. 120,571; May 14.
Pennell, David R. (See Lewis, M. W., Johanson, and Pennell.)
Philippe, Alfred, New York, N. Y. Pin clip. 120,572; May 14.
Philippe, Alfred, New York, N. Y. Pin clip. 120,573; May 14.
Philippe, Alfred, New York, N. Y. Pin clip. 120,574; May 14.
Philippe, Alfred, New York, N. Y. Pin clip. 120,575; May 14.
Philippe, Alfred, New York, N. Y. Necklace. 120,589; May 14.
Philippe, Alfred, New York, N. Y. Bracelet. 120,590; May 14.
Philippe, Alfred, New York, N. Y. Necklace. 120,591; May 14.
Philippe, Alfred, New York, N. Y. Necklace. 120,592; May 14.
Philippe, Alfred, New York, N. Y. Bracelet. 120,593; May 14.
Philippe, Alfred, New York, N. Y. Necklace. 120,594; May 14.
Pierce, Gilbert L., assignor to The Todd Company, Inc., Rochester, N. Y. Check imprinting machine or similar article. 120,530; May 14.
Pope, Claude E., Oakland, Calif. Milk bottle. 120,555; May 14.
Postman, Louis, New York, N. Y. Mitten. 120,576; May 14.
Prouty, Willis O., Hermosa Beach, Calif. Bowl or similar article. 120,513; May 14.
Prouty, Willis O., Hermosa Beach, Calif. Pitcher or similar article. 120,514; May 14.
Reilly, William J., North Attleboro, Mass., assignor to Evans Case Company. Handbag frame or the like. 120,595; May 14.
Richman, Ruth, New York, N. Y. Dress. 120,607; May 14.
Robertson, Louis J., New York, N. Y. Pipe or similar article. 120,556; May 14.
Robinson, Joseph, New York, N. Y. Electric vaporizer. 120,531; May 14.
Roman, John, Winchester, assignor to Trimmings, Inc., Lawrence, Mass. Shoe. 120,515; May 14.
Roman, John, Winchester, assignor to Trimmings, Inc., Lawrence, Mass. Shoe. 120,516; May 14.
Ruchman, Samuel, New York, N. Y. Dress. 120,608; May 14.
Schillace, Anthony, and W. J. Daily, Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Swinging target toy. 120,490; May 14.
Schwartz, Sara, Brooklyn, N. Y. Dress. 120,577; May 14.
Schwartz, Sara, Brooklyn, N. Y. Dress. 120,578; May 14.
Schwartz, Sara, Brooklyn, N. Y. Dress. 120,579; May 14.
Schwartz, Sara, Brooklyn, N. Y. Dress. 120,580; May 14.
Schwarz, Arthur A., assignor to Max Schwarz Manufacturer "La Primadora" Havana Cigars Ltd., New York, N. Y. Cigar box. 120,557; May 14.
Schwarz, Max, Manufacturer "La Primadora" Havana Cigars Ltd. (See Schwarz, Arthur A., assignor.)
Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Automobile grille guard. 120,532; May 14.

Sealand Corporation, The. (See Kaul, Richard D., assignor.)
Signal Service Corporation. (See Haggart, John C., Jr., assignor.)
Sochurek, Joseph, Milwaukee, Wis. Bottle. 120,558; May 14.
Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)
Steffen, William, Hackensack, N. J. Textile fabric or similar article. 120,517; May 14.
Stephenson, Charles E., New York, N. Y. Display stand for material for wall coverings, floorings, rugs, or the like. 120,491; May 14.
Strauss, Charles J., assignor to Advertising Corporation of West Virginia, Wheeling, W. Va. Advertising display unit or similar article. 120,596; May 14.
Tammen, Glenn W., assignor to Binks Manufacturing Company, Chicago, Ill. Fluid pump or the like. 120,533; May 14.
Tammen, Glenn W., Chicago, Ill., assignor to American Type Founders, Inc., Elizabeth, N. J. Plate whirler. 120,581; May 14.
Tammen, Glenn W., Chicago, Ill., assignor to American Type Founders, Inc., Elizabeth, N. J. Platemaker's sink. 120,582; May 14.
Terryberry, Arthur P. (See Terryberry, Herbert R. and A. P.)
Terryberry, Herbert R. and A. P., Grand Rapids, Mich. Finger ring. 120,492; May 14.
Terryberry, Herbert R. and A. P., Grand Rapids, Mich. Finger ring. 120,493; May 14.
Todd Company, The. (See Pierce, Gilbert L., assignor.)
Tresenberg, Paul, Springfield Gardens, N. Y. Paper napkin holder. 120,518; May 14.
Trimmings, Inc. (See Roman, John, assignor.)
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 120,519; May 14.
Tygart Valley Glass Company. (See Hinkins, Ernest A., assignor.)
Universal Camera Corporation. (See Casin, Otto K., assignor.)
Vendig, Malcolm A., Sands Point, Long Island, N. Y. Cigarette container. 120,559; May 14.
Vivaudou, Jean E., and H. G. Lubin, New York, N. Y. Wrapping paper. 120,520; May 14.
Watral, Henry J., Queens Village, N. Y. Rack for cups, saucers, or the like. 120,494; May 14.
Wax, George T., Baton Rouge, La. Electric hand saw. 120,534; May 14.
Wilson, William R., Detroit, Mich. Pipe coupling. 120,495; May 14.
Wuyts, Joseph, New York, N. Y. Pin clip. 120,560; May 14.
Zimmerman, Harry, New York, N. Y. Play table. 120,535; May 14.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acco Products, Inc. (See Kern, Emil, assignor.)
Ackley, Robert R., assignor to The Richards Chemical Works, Inc., Jersey City, N. J. Imidazoline derivatives and making the same. 2,200,815; May 14.
Adams, Frederic H. (See Lecher, H. Z., Adams, and Orem.)
Adams, Leland J., Burbank, and F. Bracken, Los Angeles, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Regulator. 2,200,352; May 14.
Aetna Iron & Steel Co. (See Moore, Clarence H. and J. G., assignors.)
Agerell, William C., Chicago, Ill., and J. D. Durant, Detroit, Mich., assignors to Pines Winterfront Company, Chicago, Ill. Radiator shutter unit. 2,200,733; May 14.
Air Reduction Company. (See Anderson, James L., assignor.)
Air-Way Electric Appliance Corporation. (See Dow, Dewey M., assignor.)
Aktiebolaget Milo. (See Lysholm, Alf., assignor.)
Aktiengesellschaft Cilander. (See Hefti, Fridolin, assignor.)
Albertson, Jonathan Y. (See Sonneborn, J. R., and Albertson.)
Albrecht, Kurt, Pittsburgh, assignor to J. M. Hopwood, Mount Lebanon, Pa. Dishwashing machine. 2,200,907; May 14.
Albree, George N., Concord, Mass. Telescope sight mounting for firearms. 2,200,869; May 14.
Alexander, Clive M., Tulsa, Okla., assignor, by mesne assignments, to Gyro Process Company, Detroit, Mich. Converting heavy mineral oils into lighter oils. 2,200,463; May 14.
Alig, John P., assignor to Sargent-Gerke Company, Indianapolis, Ind. Preparing a casein solution. 2,200,353; May 14.
Allen, Henry A., et al., trustees. (See Pratt, Harry P., assignor.)
Allis-Chalmers Manufacturing Company. (See Schultz, Edward H., Jr., assignor.)
Aluminum Plant & Vessel Company Limited, The. (See Seligman, Richard, assignor.)
Amaru, Fortunata. (See Amaru, Liborio, assignor.)
Amaru, Liborio, assignor of one-half to F. Amaru, Medford, Mass. Device for preventing the refilling of bottles and the like. 2,200,761; May 14.
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Hothersall, J. M., and Murch, assignors.)
American Can Company. (See Pelosi, Nicholas, assignor.)
American Can Company. (See Peters, John F., assignor.)
American Cyanamid Company. (See Lecher, H. Z., Adams and Orem, assignors.)
American Decalcomania Company. (See Pollack, Irwin L., assignor.)
American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Locomotive Company. (See Blunt, James G., assignor.)
American Magnesium Metals Corporation. (See Erdmann, Konrad, assignor.)
American Platinum Works, The. (See Streicher, Johann S., assignor.)
American Telephone and Telegraph Company. (See Hancock, Charles M., assignor.)
American Telephone and Telegraph Company. (See Mitchell, D., and Nyquist, assignors.)
American Window Glass Company. (See Bishop, Frederic L., Jr., assignor.)
Anderson, Ben F., Shreveport, La., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass cutting apparatus. 2,200,975; May 14.
Anderson, George K., and E. A. Taylor, Pittsburgh, and J. B. Fishel, Oakmont, assignors to The Neville Company, Pittsburgh, Pa. Production of resins from aldehydes and aromatic hydrocarbons. 2,200,762; May 14.
Anderson, George K., and E. A. Taylor, Pittsburgh, and J. B. Fishel, Oakmont, assignors to The Neville Company, Pittsburgh, Pa. Production of aldehyde-aromatic hydrocarbon resins. 2,200,763; May 14.
Anderson, James L., Closter, assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for removal of surface metal from slabs, billets, or the like. 2,200,816; May 14.
Anderson, Roger, Seattle, Wash. Fracture reducing and immobilization splint. 2,200,407; May 14.
Anderson, Stanley E., Superior, Wis. Combination accelerator and brake control. 2,200,685; May 14.
Angell, Robert C., Prince Bay, N. Y., assignors to The S. S. White Dental Manufacturing Company. Pulp tester. 2,200,321; May 14.
Ansul Chemical Company. (See Ehman, P. J., and Walker, assignors.)
Arbogast, Alfred C., assignor to Northern Indiana Brass Company, Elkhart, Ind. Forming hollow metal members. 2,200,664; May 14.
Ardrey, Otis R., Jefferson City, Mo. Meat grinder. 2,200,786; May 14.
Aresee Company Inc. (See Chandler, D. L., and Ewing, assignors.)
Armbruster, William, New York, N. Y. Combined washer and drier. 2,200,870; May 14.
Armstrong, Robert, Ridgefield, N. J. Tube renovation. 2,200,528; May 14.
Arnesen, Walter A., New York, N. Y. Cautery handle. 2,200,322; May 14.
Arnold, Herrick R., and W. A. Lazier, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of nitriles. 2,200,734; May 14.
Ashcraft, Ernest G., Los Angeles, Calif. Twin arc lamp. 2,200,483; May 14.
Ashley, Carlyle M., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning method and apparatus. 2,200,945; May 14.
Associated Electric Laboratories, Inc. (See Bakker, Pier, assignor.)
Associated Electric Laboratories, Inc. (See Boswau, Hans P., assignor.)
Associated Electric Laboratories, Inc. (See Crocker, Thomas F., assignor.)
Associated Electric Laboratories, Inc. (See Sengebusch, Hans, assignor.)
Associated Electric Laboratories, Inc. (See Voss, John H., assignor.)
Associated Electric Laboratories, Inc. (See Woodruff, Albert E., assignor.)
Atkinson, Ralph W., Perth Amboy, N. J., assignor to General Cable Corporation, New York, N. Y. Method and apparatus for measuring eccentricity in tubular conductors. 2,200,827; May 14.
Atwood, Seth B., Rockford, Ill. Hinge. 2,200,250; May 14.
Atwood, Seth B., Rockford, Ill. Hinge. 2,200,251; May 14.
Atwood, Seth B., Rockford, Ill. Hinge. 2,200,252; May 14.
Atwood, Seth B., Rockford, Ill. Hinge. 2,200,253; May 14.
Atwood, Seth B., Rockford, Ill. Hinge. 2,200,439; May 14.
Atwood, Seth B., Rockford, Ill. Hinge. 2,200,440; May 14.
Atwood, Seth B., Rockford, Ill. Hinge. 2,220,441; May 14.
Atwood Vacuum Machine Company, The. (See Van Voorhees, Harold E., assignor.)
Atwood Vacuum Machine Company, The. (See Wintercorn, A. F., and McCanna, assignors.)
Auburn Automobile Company. (See Johnson, Gordon G., assignor.)
Augenstein, Eugen, Pforzheim, Germany, assignor to Universal Chain Co., Inc., Maplewood, N. J. Ornamental chain and method of making. 2,220,828; May 14.
Averey, Harold T., San Luis Obispo, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,200,588; May 14.
B R E Manufacturing Company. (See Leslie, Howard C., assignor.)
B. S. A. Tools Limited. (See Ogilvie, William, assignor.)
Back, Sydney. (See Clayton, W., Back, Morse, and Johnson.)
Backhouse, Headley T., London, England. Sheet feeder. 2,200,408; May 14.
Backhouse, Headley T., London, England. Sheet feeding mechanism. 2,200,409; May 14.
Baehr, Hans, and K. Braus, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of sulphur. 2,200,529; May 14.
Bagno, Samuel J. A. M., New York, N. Y., assignor to Radio Corporation of America. Electric indicator. 2,201,020; May 14.
Bailey Meter Company. (See Dickey, Paul S., assignor.)
Bailey Meter Company. (See Weaver, Harry E., assignor.)
Baker, David B., Riverside, C. R. Rogers, Oak Park, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Fuel tank and seat mounting. 2,200,764; May 14.

Bakker, Pier, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,200,817; May 14.
Ballard, Howard T., et al., trustees. (See Pratt, Harry P., assignor.)
Balz, Emil H., assignor to Plaskon Company, Incorporated, Toledo, Ohio. N-methyl saccharin in formaldehyde-urea molding compositions. 2,201,021; May 14.
Barrans, William T., Towson, and P. M. Cole, Dundalk, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand covering machine. 2,200,323; May 14.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,200,571; May 14.
Bartels, Hans, and G. Ulbricht, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Control of audio frequency transmission. 2,201,022; May 14.
Bartholomew, Edward L., and J. D. Paine, Jr., Marblehead, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Heat treatment of cast iron. 2,200,765; May 14.
Barton, Norma L. (See Coddington, Earl L., assignor.)
Bassford, Henry H., Jr. (See Messer, W. E., and Bassford.)
Batchelder, Augustus H., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Asphaltic composition and preparing same. 2,200,484; May 14.
Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Resetting means for air borne gyroscopes. 2,200,976; May 14.
Battin, Harold T. (See Smallwood, H. M., and Battin.)
Battin, Harold T., Ridgewood, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Continuous vulcanizing apparatus. 2,200,735; May 14.
Baugnée, Justin, Niederkorn, assignor to the firm Hauts Fourneaux & Acieries de Differdange-St.-Ingbert-Rumelange Société Anonyme, Luxemburg, Luxemburg. Producing iron girders and very large T-section iron. 2,201,071; May 14.
Baumgartner, August. (See Wieking, W. C., and Baumgartner.)
Bausch & Lomb Optical Company. (See Diggins, Bartholomew A., assignor.)
Bausch & Lomb Optical Company. (See Diggins, B. A., and Trautmann, assignors.)
Bausch & Lomb Optical Company. (See Perkins, W. T., and Trautmann, assignors.)
Baxter, William C., Newtown, Mass. Food product and making same. 2,200,977; May 14.
Beardsley & Piper Company, The. (See Hund, Ernest A., assignor.)
Beardsley & Piper Company, The. (See Piper, Walter F., assignor.)
Bechman, William O. (See Baker, D. B., Rogers, and Bechman.)
Bechman, William O., and R. A. Holmberg, Chicago, Ill., assignors to International Harvester Company. Wheel. 2,200,766; May 14.
Beck, Ernie J. (See Van Derveer, C. A., and Beck.)
Beckman, Robert L., Eugene, Oreg. Multiple power transmission drive. 2,200,686; May 14.
Beckmann, Werner N., et al. (See Browning, James E., assignor.)
Bedford, Alda V., Collingswood, and K. J. Magnusson, Merchantville, N. J., assignors to Radio Corporation of America. Camera supporting pedestal. 2,200,736; May 14.
Beede, Arnold H., Fairfield, Conn., assignor to Dictaphone Corporation, New York, N. Y. Transmission of power. 2,201,118; May 14.
Beggs, Don, assignor to Surface Combustion Corporation, Toledo, Ohio. Fuel burner control system. 2,200,908; May 14.
Beharrell, George E., Streetly, J. Wright, Stoke Park, and H. Trevaskis, Sutton Coldfield, assignors to Dunlop Rubber Company Limited, London, England. Fluid-pressure brake control apparatus. 2,200,829; May 14.
Beharrell, George E., Streetly, J. Wright, Stoke Park, and H. Trevaskis, Sutton Coldfield, assignors to Dunlop Rubber Company Limited, London, England. Control valve for hydraulic systems and apparatus. 2,200,830; May 14.
Beiderbecke, Charles H., Lyons, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,200,767; May 14.
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Krantz, Hubert K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pierce, J. R., and Teal, assignors.)
Bender, Harry, Antioch, Calif., assignor, by mesne assignments, to The Dow Chemical Company, Midland, Mich. Chlorination. 2,200,254; May 14.
Bender, Harry, Antioch, Calif., assignor, by mesne assignments, to The Dow Chemical Company, Midland, Mich. Chlorination. 2,200,255; May 14.
Bendix Radio Corporation. (See Walker, Howard, assignor.)
Benjamin, Bert R., Oak Park, and C. W. Mott, La Grange, Ill., assignors to International Harvester Company. Power lift. 2,200,768; May 14.
Benjamin, Sidney H., Milwaukee, Wis. Safety razor head element. 2,200,530; May 14.
Bent, Franklin A., A. G. Loomis, and H. C. Lawton, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Sealing off water bearing formations. 2,200,710; May 14.
Bercot, Fernand L., Syosset, N. Y. Toilet bowl. 2,200,687; May 14.
Berghaus, Bernhard, Berlin-Lankwitz, and W. Burkhardt, Berlin-Grunewald, Germany; said Burkhardt assignor to said Berghaus. Metallization of metal articles by cathode disintegration. 2,200,909; May 14.
Bergstein, Robert M., Cincinnati, Ohio. Lined display box and packaging therein. 2,200,818; May 14.
Berkey, William E., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,201,003; May 14.
Berner, Robert B., assignor to Hetherington & Berner Inc., Indianapolis, Ind. Portable asphalt mixing plant construction. 2,200,589; May 14.
Berry, Charles R., Greenville, Miss., assignor to Cotton Harvester Corporation of America, Pittsburgh, Pa. Cotton picker. 2,200,464; May 14.
Berry, Hugh R., Alton, Ill., assignor to Shell Development Company, San Francisco, Calif. Refining of naphthenic acids. 2,200,711; May 14.
Berthold, Erich, and J. Mueller, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Vat dyestuffs of the anthraquinone series. 2,200,324; May 14.
Birkhead, Beckman, Stanard & Vance. (See Browning, James E.)
Birkhead, Claude V., et al. (See Browning, James E., assignor.)
Bishelany, Elias C., Brooklyn, N. Y. Combination sanitary device. 2,200,531; May 14.
Bishop, Frederic L., Jr., Jeannette, assignor to American Window Glass Company, Pittsburgh, Pa. Glass cleaning fluid and the manufacture thereof. 2,200,354; May 14.
Björkman, Gustaf E., Saltsjo-Nacka, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,200,769; May 14.
Black, Benjamin, Brooklyn, N. Y. Hair curler. 2,200,590; May 14.
Black, Irving E., Brooklyn, and H. Jacobstein, New Rochelle, N. Y.; Said Black assignor to said Jacobstein. Cigar box or container and making same. 2,200,256; May 14.
Blake, Harold D., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp holder. 2,200,978; May 14.
Blessing, Edgar F., Short Hills, N. J., assignor to C. W. Guttzeit, New York, N. Y. Alloy steel. 2,201,072; May 14.
Bliss, Harold N., and G. E. Fenton, assignors to Morse Chain Company, Ithaca, N. Y. Feeding apparatus. 2,200,831; May 14.
Bliss, Harold N., and G. E. Fenton, assignors to Morse Chain Company, Ithaca, N. Y. Hydraulic drive mechanism. 2,200,832; May 14.
Bloch, Godfrey, New York, N. Y. Fabric-making material. 2,200,946; May 14.
Blouch, Levi H. (See Ferla, John, assignor.)
Blume, Louis F., Pittsfield, Mass., assignor to General Electric Company. Transformer tap-changing system. 2,200,979; May 14.
Blumer, Manuel, Butler, G. A. Kessler, Petrolia, and L. Salzmann, Butler, Pa., assignors to L. Sonneborn Sons, Inc. Emulsifying agent and its production. 2,201,119; May 14.
Blunk, Heinrich. (See Prüss, M., and Blunk.)
Blunt, James G., Schenectady, assignor to American Locomotive Company, New York, N. Y. Articulated locomotive. 2,200,833; May 14.
Bobb, Lloyd J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Horn type loud-speaker. 2,201,073; May 14.
Bodendieck, Henry W., Taylorville, Ill., assignor to Tips Tool Co., Centralia, Mo. Electrical connector. 2,200,380; May 14.
Bogoslowsky, Boris, New York, N. Y. Golf ball. 2,200,257; May 14.
Bohannon, William B., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring system. 2,200,819; May 14.
Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Control valve mechanism. 2,200,591; May 14.
Bolen, Jesse T., assignor of one-half to W. M. MacKay, Prineville, Oreg. Weight indicator and register for hoists. 2,200,572; May 14.
Bolidens Gruvaktiebolag, et al. (See Lindblad, A. R., and Herneryd.)
Bolton, Frank L., Cayuga Heights, N. Y. Production of salt brine. 2,200,665; May 14.
Bolton, John W., & Sons, Inc. (See Stuck, Harold D., assignor.)

Bond, Joseph E., Middletown, Ohio. Paper making machinery. 2,200,410; May 14.
Bond, Varley S., assignor to Kalo Inoculant Company, Quincy, Ill. Bacterial inoculant for leguminous plants. 2,200,532; May 14.
Bonnar-Vawter Fanform Company. (See Kreis, Joseph D., assignor.)
Booth, Francis R. (See Booth, Paul R. and F. R.)
Booth, Paul R. and F. R., San Francisco, Calif. Cleaver and knife sharpener. 2,200,614; May 14.
Borg-Warner Corporation. (See Ingersoll, Roy C., assignor.)
Borg-Warner Corporation. (See Osborne, William B., assignor.)
Borregard, Ernst, Woodmere, N. Y. Display poster device. 2,200,533; May 14.
Bösing, Ernst, Berlin, Germany, assignor to Edeleanu Gesellschaft, m. b. H. Separating hydrocarbon oils. 2,201,120; May 14.
Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanizer. 2,200,871; May 14.
Boswau, Hans P., Lorain, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,200,826; May 14.
Botkin, Millard, Kansas City, and C. F. Nord, Sr., Louisiana, Mo. Pearl baking shell. 2,200,325; May 14.
Bourque, Philip, Detroit, Mich. Electrode holder. 2,200,947; May 14.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,200,666; May 14.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Automatic adjuster. 2,200,910; May 14.
Bowie, Robert M., St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Sealed lead-in for cathode-ray tubes and the like. 2,200,911; May 14.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain fixture. 2,200,411; May 14.
Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)
Boyer, John A., assignor to The Carborundum Company, Niagara Falls, N. Y. Boron carbide composition and making the same. 2,200,258; May 14.
Boyle, Clete L., Detroit, Mich. Method of and composition for cleaning and rendering metal surfaces immune from rust. 2,200,615; May 14.
Boynton, Arthur J., Winnetka, and G. D. Dill, assignors to H. A. Brassert & Company, Chicago, Ill. Method and apparatus for eliminating moisture from gas or air. 2,200,980; May 14.
Bracken, Frank. (See Adams, L. J., and Bracken.)
Brandon, Alfred E., New York, N. Y. Collapsible beach chair and cot. 2,200,912; May 14.
Brannas, Earl C. (See Watson, G. W., and Brannas.)
Branson, Edward H., assignor to General Railway Signal Company, Rochester, N. Y. Apparatus for making insulated electromagnets. 2,201,130; May 14.
Brassert, H. A., & Company. (See Boynton, A. J., and Dill, assignors.)
Braus, Karl. (See Baehr, H., and Braus.)
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Low pour point lubricating oil. 2,200,534; May 14.
Brelsford, J. O., and J. T. Conlon, assignors to Gustin Bacon Manufacturing Company, Kansas City, Mo. Portable refrigerator. 2,200,465; May 14.
Brenner, Samuel L. (See De Verter, Walton, assignor.)
Bressler, Robert E., assignor to Kol-Master Corporation, Oregon, Ill. Automatic combustion control. 2,200,326; May 14.
Brewer, John G., Piedmont, Mo. Adjustable ladder leg. 2,200,535; May 14.
Bridgers, Emil C., San Antonio, Tex. Gasket. 2,200,688; May 14.
Britton, Edgar C., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Unsaturated ethers and making same. 2,201,074; May 14.
Brodersen, Karl, and M. Quaedvlieg, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Diminishing or preventing foaming. 2,200,485; May 14.
Brogden, Alfred N., Blackpool, England. Rail joint. 2,201,075; May 14.
Brogden, Alfred N., Blackpool, England. Rail joint and apparatus for forming the same. 2,201,076; May 14.
Bronson, Oscar A., Milwaukee, Wis., assignor of one-third to W. S. Collins, Minneapolis, Minn., and one-third to C. Hays Jackson, Des Moines, Iowa. Piano bridge. 2,200,913; May 14.
Brophy, Gerald R., Westfield, and H. J. French, Elizabeth, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Construction element including structural shapes and members. 2,200,872; May 14.
Brostrom, Charles G., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating upon shoes. 2,200,381; May 14.
Brown, Allen M., Cottage Grove, Oreg. Railroad tie tamping machine. 2,201,023; May 14.
Brown, Edward L., assignor of one-half to J. Dietrich, Lansing, Mich. Burglarproof door lock. 2,200,834; May 14.
Brown Instrument Company, The. (See Pearce, Walter H., assignor.)
Brown, John W., Jr., Lakewood, Ohio. Making heat transfer pipe. 2,201,024; May 14.
Browning, James E., assignor of one-half to C. V. Birkhead and W. N. Beckmann, San Antonio, Tex., copartners doing business as Birkhead Beckmann, Stanard & Vance. Gas burner igniting means. 2,201,077; May 14.
Bruington, George H., Santa Fe, N. Mex. Safety light switch. 2,201,078; May 14.
Brussolo, Vito A. (See Everheart, E. W., and Brussolo.)
Buckham, James H., Cranford, A. J. Miller, Garwood, and A. M. Keller, Livingston, N. J., assignors to The Linde Air Products Company. Apparatus for conditioning the surfaces of metal bodies. 2,200,259; May 14.
Button, Hubert G., Vancouver, British Columbia, Canada. Wreath base. 2,200,948; May 14.
Bungay, George W., New York, N. Y. Method of and apparatus for making electrotypes. 2,200,536; May 14.
Burdick, Earl F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material and method for removing coatings of nickel or the like from a metal base. 2,200,486; May 14.
Burdick, Harry J. M., Anaheim, Calif. Fire hydrant. 2,200,770; May 14.
Burk, Robert E., and C. H. Whitacre, assignors to The Standard Oil Company, Cleveland, Ohio. Manufacture of improved asphalt. 2,200,914; May 14.
Burkhardt, Wilhelm. (See Berghaus, B., and Burkhardt.)
Burks, John E. (See Fleischer, M., and Burks.)
Burrows, Archie L., Detroit, and A. E. Henricson, Walnut Lake, assignors to Motor Products Corporation, Detroit, Mich. Polishing machine. 2,200,537; May 14.
Burton, Alvin A., Albany, assignor to Standard Oil Company of California, San Francisco, Calif. Method and composition for improving diesel fuel ignition. 2,200,260; May 14.
Burton-Dixie Corporation. (See Wesley, A., and Sieger, assignors.)
Butenandt, Adolf, Berlin-Lichterfelde, and F. Hildebrandt, Hohen Neuendorf, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J. Unsaturated derivatives of compounds of the cyclopentano polyhydro phenanthrene series and producing the same. 2,201,121; May 14.
Butler-Welland Corporation, The. (See Welland, Joseph, assignor.)
Byron, Jackson, Co. (See Hoover, Vaino A., assignor.)
Bywater, William G., assignor to Parke, Davis & Company, Detroit, Mich. Barbituric acid compound. 2,200,538; May 14.
C-W-B Development Co. (See Whitehead, C. L., Chenoweth, Irwin, Duval, Huntley, Rule, and Lewis, assignors.)
Cadman, Harold J., Minneapolis, Minn. Game apparatus. 2,201,025; May 14.
Callaghan, George H., et al. (See Lorenzen, Robert, assignor.)
Calvert, Kuhn, Chauk, Burma, India. Bullet type casing perforator. 2,200,487; May 14.
Camden, Henry J., Jackson, Mich. Wringer mop. 2,201,079; May 14.
Campbell, Albert W. (See Dyer, F. C., and Campbell.)
Cannell, Paul J., Hastings, Nebr. Ring gate structure. 2,200,667; May 14.
Carbide and Carbon Chemicals Corporation. (See Fife, Harvey R., assignor.)
Carborundum Company, The. (See Boyer, John A., assignor.)
Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Cutter for and method of cutting gears. 2,200,412; May 14.
Carlson, Albert, Chicago, Ill. Cleaning the checker chambers of open hearth furnaces and the like. 2,200,668; May 14.
Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Vapor pressure device. 2,200,261; May 14.
Carrier Corporation. (See Ashley, Carlyle M., assignor.)
Carroll, Hubert O., Painesville, Ohio. Window wedge. 2,200,539; May 14.
Carroll, Thomas E., New York, N. Y. Apparatus for making decorative fabric. 2,200,327; May 14.
Carswell, Thomas S., Glendale, assignor to Monsanto Chemical Company, St. Louis, Mo. Aryl phosphites. 2,200,712; May 14.
Castings Patent Corporation. (See Hagemeyer, Henry F., assignor.)
Celanese Corporation of America. (See Croft, Cyril M., assignor.)
Celanese Corporation of America. (See Finlayson, Donald, assignor.)
Celanese Corporation of America. (See Finlayson, D., and Wylde, assignors.)
Certain-Teed Products Corporation. (See Rahr, Chester E., assignor.)
Challenge Cream & Butter Association. (See Mitchel, C. L., and Wetmore, assignors.)
Chandler, Daniel L., Salem, and G. W. Ewing, Peabody, assignors to Aresee Company Inc., Salem, Mass. Automobile door window mechanism. 2,201,004; May 14.

Chenoweth, Ray M. (See Whitehead, C. L., Chenoweth, Irwin, Duval, Huntley, Rule, and Lewis.)
Chernow, Michael, Brooklyn, N. Y. Monogram unit. 2,200,540; May 14.
Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)
Chick, Gilbert H., Oakland, Calif. Sacral rest. 2,20,541; May 14.
Christman, Robert W., Pontiac, and W. J. McCortney, Royal Oak, assignors to Chrysler Corporation, Detroit, Mich. Rotary shaft seal. 2,200,413; May 14.
Chrysler Corporation. (See Christman, R. W., and McCortney, assignors.)
Cinaudagraph Corporation. (See Cornell, Lionel B., assignor.)
Cirves, Francis J., Crossett, Ark. Recovery of by-products from black liquor. 2,200,468; May 14.
Clapp, Edwin A., Niagara Falls, N. Y., assignor to The Linde Air Product Company. Electric welding. 2,200,737; May 14.
Clark, Paul A., Davenport, Wash., assignor to T. O. Gutellius, Rome, N. Y. Pressure cleaning apparatus. 2,201,080; May 14.
Clark, Verdrie F., New Albany, Ind., assignor to Peerless Manufacturing Corporation, Louisville, Ky. Combustion air regulating means for fireboxes. 2,200,915; May 14.
Clarke, Frank, St. Louis, Mo., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Facing unit. 2,200,382; May 14.
Classroom Laboratories, Inc. (See Reardon, Harvey J., assignor.)
Clayton, William, S. Back, J. F. Morse, and R. I. Johnson, assignors to Crosse & Blackwell Limited, London, England. Treatment of cacao butter. 2,200,858; May 14.
Clemmitt, Willis B., and J. C. Hayes, Jr., assignors to Freyn Engineering Company, Chicago, Ill. Blast furnace construction. 2,200,488; May 14.
Cleveland Crane & Engineering Company, The. (See Rosenthal, Morris G., assignor.)
Cleveland Crane & Engineering Company, The. (See Wehr, William G., assignor.)
Cliffe, Wilfrid H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of new azo dyestuffs. 2,200,414; May 14.
Clopay Corporation. (See Thexton, Arthur L., assignor.)
Cloud, Carey C., Chicago, Ill. Display device. 2,200,616; May 14.
Clover, Melvin R., Ventura, Calif. Animal trap. 2,200,617; May 14.
Coates, Charles F., Spokane, Wash. Spreader plate. 2,200,835; May 14.
Coddington, Earl L., assignor to N. L. Barton, Middletown, Ohio. Polishing apparatus. 2,200,592; May 14.
Cohn, Samuel, New York, and J. G. Walter, Ridgewood, assignors to Samcoe Holding Corporation, New York, N. Y. Propelling means for long strips of material. 2,200,328; May 14.
Colberg, Olaf A., assignor to Replogle Globes, Inc., Chicago, Ill. Illuminated globe and mounting therefor. 2,200,821; May 14.
Colborne Manufacturing Company. (See Smith, Dennis W., assignor.)
Cole, Arthur D., Minneapolis, Minn. Automatic draft regulated furnace. 2,200,415; May 14.
Cole, Paul M. (See Barrans, W. T., and Cole.)
Collins, William S., et al. (See Bonson, Oscar A., assignor.)
Combustion Engineering Company. (See Cook, Walter M., assignor.)
Combustion Engineering Company. (See Crites, Joe, assignor.)
Conlon, John T. (See Brelsford, J. O, and Conlon.)
Conmar Products Corporation. (See Wintritz, George, assignor.)
Connor, Kirks W., Detroit, Mich., assignor to Micromatic Hone Company. Honing device. 2,200,573; May 14.
Continental Gin Company. (See Deems, Frank E., assignor.)
Cook, Burton A., Los Angeles, Calif. Hanger. 2,200,669; May 14.
Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Electric switch. 2,200,981; May 14.
Cook, Walter M., Mount Dora, Fla., assignor to Combustion Engineering Company, Inc., New York, N. Y. Grinding and separating apparatus. 2,200,489; May 14.
Cooper, James, Solvay, assignor to Hall & McChesney Inc., Syracuse, N. Y. Loose-leaf binder mechanism. 2,201,026; May 14.
Cordier, David E., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Cyanthioformamide in formaldehyde-urea molding compositions. 2,201,027; May 14.
Cordier, David E., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Molding composition. 2,201,028; May 14.
Cornell, Fritz G., Jr., Mountain Lakes, assignor to Jensen Creamery Machinery Company, Inc., Bloomfield, N. J. Heat exchange device. 2,200,355; May 14.
Corner, George H. C., Birmingham, England, assignor to Talon, Inc. Separable fastener. 2,201,122; May 14.
Cornwell, Lionel B., Stamford, Conn., assignor to Cinaudagraph Corporation. Loud-speaker. 2,200,490; May 14.
Cotton Harvester Corporation of America. (See Berry, Charles R., assignor.)
Cox, George C., Charleston, W. Va. Anticorrosive and antifouling coating and method of application. 2,200,469; May 14.
Coy, Joseph A., Tulsa, Okla. Heat exchanger baffle seal. 2,200,787; May 14.
Coy, Joseph A., Tulsa, Okla. Heat exchanger and absorber. 2,200,788; May 14.
Crawford, Robert B. P., Miami, Fla. Fluid cooling. 2,200,442; May 14.
Cristiani, Luigi, Brooklyn, N. Y. Apparatus for color photography. 2,200,467; May 14.
Cristiani, Luigi, Voghera, and G. Mascarini, Milan, Italy. Apparatus for color photography. 2,200,466; May 14.
Crites, Joe, Evanston, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y. Grinding process and apparatus. 2,200,822; May 14.
Crocker, Thomas F., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,200,593; May 14.
Croft, Cyril M., Cumberland, Md., assignor to Celanese Corporation of America. Textile material and making same. 2,200,383; May 14.
Crosley Corporation, The. (See Money, Roland H., assignor.)
Cross, Robert P., Jr., Hollywood, and A. N. Ogden, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Manufacture of magnetic materials. 2,200,491; May 14.
Crosse & Blackwell Limited. (See Clayton, W., Back, Morse, and Johnson, assignors.)
Crosti, Pietro, Milan, Italy. Feed-water heater for boilers, particularly adapted for locomotives. 2,200,492; May 14.
Crowley, Joseph P., Toledo, Ohio. Pneumatic safety tire. 2,200,916; May 14.
Culp, Lewis C., Eugene, Oreg. Retaining device. 2,201,081; May 14.
Cutler-Hammer, Inc. (See Hunter, Richard B., assignor.)
Cyr, Howard M., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Zinc oxide. 2,200,873; May 14.
Daggett, Clyde C., assignor to The De Vilbiss Company, Toledo, Ohio. Atomiser. 2,201,029; May 14.
Dahlen, Miles A., and F. Zwilgmeyer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Monazo intermediates. 2,200,949; May 14.
Daimler-Benz Aktiengesellschaft. (See Scheerer, Georg, assignor.)
Daley, Frederick M., Shelton, and L. H. De Wyk, Ansonia, assignors to The Sponge Rubber Products Company, Shelton, Conn. Rubber molding and vulcanizing process. 2,200,262; May 14.
D'Alfonso, Alexander C., Santa Barbara, Calif. Automatic garage door. 2,200,542; May 14.
Daniel, Walter. (See Sandhaas, W., Daniel, and Mühlhausen.)
Daniels, Joseph, Essen Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Closing or shutting of pipes, channels, or the like. 2,200,416; May 14.
Dann, Paul N., assignor to The Rattan Manufacturing Company, New Haven, Conn. Box connector. 2,200,874; May 14.
Davis, Alan C., New York, N. Y., assignor to Viking Instruments, Inc., Stamford, Conn. Control system. 2,201,123; May 14.
Davis, Harold G., Denver, Colo. Reversible power transmission mechanism. 2,200,574; May 14.
Davis, Hiotte A., Lynchburg, Va., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Edge finishing leather articles. 2,200,384; May 14.
Davis, Samuel H., et al. (See Edick, Otto D., assignor.)
Dawson, Leslie. (See Shell, Melvin O., assignor.)
Dazey Churn and Manufacturing Company. (See Moeller, George J., assignor.)
Dean, John, San Francisco, Calif. Plasterboard. 2,201,102; May 14.
Dearborn, Frederick E., Washington, D. C., dedicated to the free use of the People in the Territory of the United States. Insecticide and fungicide. 2,201,103; May 14.
De Bersaques, Romain P. F., Seattle, Wash. Towel cabinet. 2,200,823; May 14.
Dedlow, Carl, La Plata, Argentina, assignor to Swift & Company, Chicago, Ill. Crystallizing fats. 2,200,982; May 14.
Deems, Frank E., Birmingham, Ala., assignor to Continental Gin Company. Gin breast front mounting. 2,200,470; May 14.
De Gooreynd, Peter K. (See Kingston, Arthur W., assignor.)
De Kramolin, Leon L., Berlin, Germany. Variable reactor. 2,200,263; May 14.
Dench, Edward C., South Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Discharge lamp circuit. 2,200,443; May 14.
Dennis, John H., West Islip, and J. V. King, Islip, N. Y. Gas burner. 2,200,264; May 14.
Derig, Will M. (See Krieger, Stewart O., assignor.)
Derman, Harry, Laurelton, Long Island, N. Y. Double door closet. 2,200,329; May 14.

Detroit Hydrostatic Brake Corporation. (See Sauzedde, Claude, assignor.)
Deutsch, Fritz A., Berlin-Wilmersdorf, Germany, assignor to E. S. Oberstadt, Cleveland, Ohio. Regulating valve for hydraulic shock absorbers. 2,201,030; May 14.
Deutschbein, Otto. (See Gerecke, E., Deutschbein, and Schulze.)
De Verter, Walton, assignor of one-third to S. L. Brenner, Chicago, Ill. Tube testing device. 2,200,618; May 14.
De Vilbiss Company, The. (See Daggett, Clyde C., assignor.)
De Wyk, Ludolf H. (See Daley, F. M., and De Wyk.)
Dicke, Oscar H., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,200,857; May 14.
Dickey, Charles T., Elizabeth, N. J. Temple roll. 2,200,356; May 14.
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,200,543; May 14.
Dickey, Paul S., Cleveland, Ohio, assignor to Bailey Meter Company. Measuring and control system. 2,200,471; May 14.
Dictaphone Corporation. (See Beede, Arnold H., assignor.)
Didriksen, Niels J., Odense, Denmark. Backing device for propeller-driven vessels. 2,200,836; May 14.
Dietrich, John. (See Brown, Edward I., assignor.)
Diggins, Bartholomew A., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for testing vision. 2,200,595; May 14.
Diggins, Bartholomew A., Rochester, and O. E. Trautmann, Irondequoit, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Method and apparatus for aerial mapping. 2,200,594; May 14.
Dill, Gilbert D. (See Boynton, A. J., and Dill.)
Dinley, Clarence F., assignor, by mesne assignments, to Solvent Machine Company, trustee, Detroit, Mich. Extraction with solvents. 2,200,983; May 14.
Di Tullio, Ambroise, Petit, Quevilly, France, assignor to Talon, Inc. Separable fastener. 2,200,239; May 14.
Dobbins, Joe, and C. F. Hacker, Pensacola, Fla. Trolling singer. 2,201,082; May 14.
Dodge, Adiel Y., Rockford, Ill. Hydraulic clutch. 2,200,596; May 14.
Dodge, Lyman E., Morris Township, Morris County, N. J., assignor to F. C. La Mar, Tucson, Ariz. Indicator. 2,200,917; May 14.
Dole Valve Company, The. (See Yonkers, William A., assignor.)
Doran, Albert B., Los Angeles, Calif., assignor to Dorex, Inc., Reno, Nev. Recovering metals from solutions. 2,200,357; May 14.
Dorex, Inc. (See Doran, Albert B., assignor.)
Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 2,200,950; May 14.
Dow Chemical Company, The. (See Bender, Harry, assignor.)
Dow Chemical Company, The. (See Britton, E. C., and Slagh, assignors.)
Dow, Dewey M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,200,738; May 14.
Doyle, Thomas J., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sole edge inking machine. 2,200,417; May 14.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet edging apparatus. 2,200,984; May 14.
Drummond, Robert S., assignor to National Broach & Machine Company, Detroit, Mich. Finishing surfaces. 2,200,544; May 14.
Dudley, Harry J., Raybrook, N. Y. Hinge. 2,200,418; May 14.
Dunlop Rubber Company. (See Field, Edgar F., assignor.)
Dunlop Rubber Company Limited. (See Beharrell, G. E., Wright, and Trevaskis, assignors.)
Dunlop Rubber Company Limited. (See Madge, E. W., Round, and Norcross, assignors.)
Dunlop Tire and Rubber Corporation. (See Miserentino, Charles O., assignor.)
Dunning, Orville M., Glen Ridge, and C. T. Jacobs, New Providence Township, Union County, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Apparatus for sound recordation. 2,200,918; May 14.
Du Pont, E. I., de Nemours & Company. (See Arnold, H. R., and Lazier, assignors.)
Du Pont, E. I. de Nemours & Company. (See Dahlen, M. A., and Zwilgmeyer, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stallmann, Otto, assignor.)
Du Pont, E. I., de Nemours & Company. (See Vogt, Richard R., assignor.)
Du Pont Film Manufacturing Corporation. (See Jennings, A. B., and Middleton, assignors.)
Durant, John D. (See Agerell, W. C., and Durant.)
Duval, Richard H. (See Whitehead, C. L., Chenoweth, Irwin, Duval, Huntley, Rule, and Lewis.)
Dyer, Frederick C., and A. W. Campbell; said Campbell assignor to H. L. McClelland, Toronto, Ontario, Canada. Apparatus for and method of separating seeds. 2,200,771; May 14.
Eason, Clarence M., assignor to Industrial Clutch Company, Waukesha, Wis. Planetary transmission mechanism. 2,200,597; May 14.
Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)
Eastman Kodak Company. (See Figg, Louis J., Jr., assignor.)
Eaton Manufacturing Company. (See Findley, Howard J., assignor.)
Eby, Hugh H., Inc. (See Henning, Warren K., assignor.)
Eckard, Lewis D., Washington, D. C. Apparatus and method of eliminating signal fading. 2,200,789; May 14.
Eckert, Felix H., San Antonio, Tex. Pump jack. 2,200,790; May 14.
Eckert, Wilhelm, and F. Quint, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation. Dyestuffs of the pyrazinocyanine series and making them. 2,200,689; May 14.
Edeleanu Gesellschaft m. b. H. (See Bösing, Ernst, assignor.)
Edick, Otto D., assignor to S. H. Davis and J. F. Motcheck, Jr., Lansing, Mich. Paste brush holder. 2,201,104; May 14.
Edison, Thomas A., Incorporated. (See Dunning, O. M., and Jacobs, assignors.)
Edison, Thomas A., Incorporated. (See Huenlich, C., and Gramann, assignors.)
Edwards, Terry W., and C. H. Nagel, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Mixer for plastic material. 2,200,875; May 14.
Egry Register Company, The. (See Pfeiffer, William C., assignor.)
Ehinger, Carl F., assignor, by mesne assignments, to P. B. Hunt, Cleveland, Ohio. Crankcase flushing machine. 2,200,876; May 14.
Ehman, Philip J., and W. O. Walker, assignors to Ansul Chemical Company, Marinette, Wis. Dispersible hydrophilic sulphur. 2,201,124; May 14.
Ehrgott, Karl, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric steam generator. 2,200,265; May 14.
Eich, Frank A., Melrose, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Manufacture of shoes. 2,200,385; May 14.
Eich, Frank A., Melrose, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Apparatus for operating upon the heel portions of shoes. 2,200,386; May 14.
Eichelberg, Edmund, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Switching arrangement. 2,201,031; May 14.
Electric & Musical Industries Limited. (See Landmann, Alexander, assignor.)
Electric & Musical Industries Limited. (See Percival, William S., assignor.)
Electrical Research Products, Inc. (See Marton, Otis C., assignor.)
Electrolux Corporation. (See Björkman, Gustaf E., assignor.)
Elenbaas, Willem, Eindhoven, Netherlands, assignor to General Electric Company. Artificial illumination. 2,200,951; May 14.
Elgin Butter Tub Company. (See Schmidt, Robert E., assignor.)
Eljer Company. (See Kaufman, Tobias J., assignor.)
Eller, Keith B. (See Rudd, M. A., and Eller.)
Elliott, Louis D., New London, Iowa. Support structure. 2,200,690; May 14.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Laminated vitriform sheet. 2,200,691; May 14.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Ellis, H. E. (See Flores, Raymond M., assignor.)
Engbert, Willi, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Ultra short wave frequency multiplier. 2,200,330; May 14.
Eppens, Smith Company. (See Heres, Martin, assignor.)
Erath, George F., Queens Village, N. Y., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Application of securing means to glass doors. 2,200,387; May 14.
Erdmann, Hans, Montclair, assignor to Schering Corporation, Bloomfield, N. J. Granular material separating machine. 2,200,472; May 14.
Erdmann, Konrad, Radenthein, Germany, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Producing metallic magnesium. 2,200,772; May 14.
Erich, Amelia, New York, N. Y. Height increasing shoe. 2,200,493; May 14.
Ericson, Walter M., Milwaukee, and E. H. Wenzel, Fox Point, Wis.; said Ericson assignor to said Wenzel. Building insulation and producing same. 2,200,713; May 14.
Evans, Clyde, Portland, Oreg. Railroad crossing and danger signal. 2,200,739; May 14.
Evans Products Company. (See Lintern, Alfred R., assignor.)

Evans, Ralph L., Bay Shore, N. Y. Hair clamp. 2,200,266; May 14.
Evenson, Andrew, Canby, assignor of thirty percent to S. K. Nomeland, Porter, Minn. Grain sieve. 2,201,083; May 14.
Everett, Edward A., assignor to Nande Corporation, New York, N. Y. Track drilling machine. 2,201,033; May 14.
Everett, Edward A., Long Island City, N. Y., deceased; G. A. Nelson and W. R. Loughridge, executors, assignors to M. H. Loughridge, Bogota, N. J. Railway rail drilling machine. 2,201,032; May 14.
Everheart, Eugene W., and V. A. Brussolo, Pachuca, Hidalgo, Mexico. Drill. 2,200,444; May 14.
Ewing, George W. (See Chandler, D. L., and Ewing.)
Fabriani, Silvio, New York, N. Y. Removable sliding window. 2,201,105; May 14.
Fairbanks, Morse & Co. (See Williams, Robert D., assignor.)
Fairley, William, Oakland, Calif. Window. 2,200,692; May 14.
Falk, Morris, Leominster, assignor to Independent Lock Company, Fitchburg, Mass. Lock. 2,200,714; May 14.
Fall River Curtain Company. (See Grundstein, Irving R., assignor.)
Fallon, John, Smethwick, near Birmingham, England. Sealing the charging and discharging apertures of continuous or intermittent furnaces. 2,200,619; May 14.
Fanning, Hubert D. and L. V., Bokoshe, Okla. Coal cutting machine. 2,200,419; May 14.
Fanning, Loyd V. (See Fanning, Hubert D. and L. V.)
Farkas, Emil N., assignor of one-half to F. F. Farkas, Chicago, Ill. Loose-leaf binding method and apparatus. 2,200,877; May 14.
Farkas, Frank F. (See Farkas, Emil N., assignor.)
Farrel-Birmingham Company. (See Schnuck, Carl F., assignor.)
Farrell, Stephen A., Brooklyn, N. Y. Variable pitch propeller. 2,200,952; May 14.
Farrington Manufacturing Company. (See Vogt, Lucien E., assignor.)
Farris, Victor W., New York, N. Y. Clutch-operated control. 2,200,878; May 14.
Fass, Wilhelm, Madgeburg, assignor to Fried-Krupp, Grusonwerk, Aktiengesellschaft, Madgeburg, Buckau, Germany. Rolling mill. 2,200,837; May 14.
Faulds, George, Philadelphia, Pa. Heat-diffuser and water-back device. 2,200,985; May 14.
Fawcett, Eric W. (See Perrin, M. W., Fawcett, Paton, and Williams.)
Feild, Alexander L., Baltimore County, assignor to Rustless Iron and Steel Corporation, Baltimore, Md. Rustless Iron manufacture. 2,200,545; May 14.
Fellmer, Ernst, Leverkusen-I. G. Werk, Germany, assignor to General Aniline & Film Corporation. Azo dyestuffs containing a heavy metal in a complex form. 2,200,445; May 14.
Fenton, George E. (See Bliss, H. N., and Fenton.)
Ferguson, Thomas M. (See Neil, J. B., and O'Farrell, assignors.)
Ferla, John, Chicago, Ill., assignor to L. H. Blouch, Marchantville, N. J. Method and means for producing pipes of cementitious material. 2,200,267; May 14.
Ferla, John, Chicago, Ill., assignor to L. H. Blouch, Merchantville, N. J. Apparatus for manufacturing pipes from a cementitious composition. 2,200,268; May 14.
Field, Edgar F., Sutton Coldfield, assignor to Dunlop Rubber Company, Limited, London, England. Apparatus for protecting surfaces from ice formation. 2,200,838; May 14.
Fife, Harvey R., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Hydraulic brake fluid. 2,200,494; May 14.
Fife, Harvey R., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Fluid pressure transmission media. 2,200,495; May 14.
Figg, Louis J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Denatured alcohol containing an acetylated hardwood oil. 2,200,879; May 14.
Findley, Howard J., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Heat exchanger. 2,200,620; May 14.
Finlayson, Donald, Spondon, near Derby, England, assignor to Celanese Corporation of America. Traverse mechanism for yarn-winding machines. 2,200,388; May 14.
Finlayson, Donald, and J. R. Wylde, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production and treatment of textile fabrics. 2,200,389; May 14.
Finne, Jacob von S., Norrkoping, Sweden, assignor to International Harvester Company. Fertilizer distributor. 2,200,773; May 14.
Firestone Tire & Rubber Company, The. (See Bosomworth, George P., assignor.)
Firestone Tire & Rubber Company, The. (See Edwards, T. W., and Nagel, assignors.)
Firestone Tire & Rubber Company, The. (See Kuhn, Max O., assignor.)
Fischer, Albert C., Chicago, Ill. Sheet forming apparatus and method. 2,200,269; May 14.
Fishel, John B. (See Anderson, G. K., Taylor, and Fishel.)
Fisher, Alan R., New York, N. Y. Apparatus for freezing berries. 2,200,331; May 14.
Fisher, Albert A., assignor to The Insulite Company, Minneapolis, Minn. Display device. 2,200,446; May 14.
Fites, Cyril B., Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Compressor shut-off valve mechanism. 2,200,598; May 14.
Fleck, Louis C., Appleton, assignor to Paper Patents Company, Neenah, Wis. Water-resistant laminated paper and method of manufacture. 2,200,839; May 14.
Fleischer, Max, New York, and J. E. Burks, Great Neck, N. Y.; said Burks assignor to said Fleischer. Motion picture apparatus. 2,200,953; May 14.
Flores, Raymond M., assignor of one-half to H. E. Ellis, Mineral Wells, Tex. Apparatus for making tiles from clay products. 2,200,270; May 14.
Flour City Ornamental Iron Company, The. (See Grady, G. M., and Ruberg, assignors.)
Flowers, Henry F., Findlay, Ohio. Dump vehicle. 2,200,271;
Flynn, Theodore P., and R. E. Neils, Portland, Oreg., dedicated to the free use of the Public in the Territory of the United States of America. Cable lift bulldozer. 2,200,447; May 14.
Folmer Graflex Corporation, The. (See Steiner, Oscar, assignor.)
Ford, James G., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Spacer for transformer coils. 2,201,005; May 14.
Fox, Ansley H., Pleasantville, N. J., assignor to Inventions Holding Corporation, Philadelphia, Pa. Machine for attaching ignition bands to cigarettes. 2,200,420; May 14.
Fox, Charles A., assignor to James R. Kearney Corporation, St. Louis, Mo. Fuse cut-out. 2,200,496; May 14.
Fox, Frank S., Jr., and G. C. Walsh, assignors to The Foxboro Company, Foxboro, Mass. Circuit element mounting unit for electrical measuring apparatus. 2,201,106; May 14.
Fox, Gordon, assignor to Freyn Engineering Company, Chicago, Ill. Tuyère. 2,200,497; May 14.
Fox, Raymond S., assignor to Niles-Bement-Pond Company, Hartford, Conn. Manually operated thickness gauge. 2,200,880; May 14.
Foxboro Company, The. (See Fox, F. S. Jr., and Walsh, assignors.)
Fraenckel, Victor H., Schenectady, N. Y., assignor to General Electric Company. Modulation system. 2,200,986; May 14.
Frank, Harry S., New York, N. Y. Continuous sachet device. 2,200,840; May 14.
Freeman, Stephen E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Solvent extraction of glyceride oils. 2,200,391; May 14.
Freeman, Stephen E., Racine, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Extracting and refining glycerides and products resulting therefrom. 2,200,390; May 14.
Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Clutch and brake mechanism. 2,201,125; May 14.
French, Herbert J. (See Brophy, G. R., and French.)
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Typographical slug casting machine. 2,201,084; May 14.
Freyn Engineering Company. (See Clemmitt, W. B., and Hayes, assignors.)
Freyn Engineering Company. (See Fox, Gordon, assignor.)
Fried-Krupp, Grusonwerk, Aktiengesellschaft. (See Fass, Wilhelm, assignor.)
Frisbie, Lewis E., Iuka, Kans. Tractor wheel lug. 2,200,791; May 14.
Fritch, William M., Jasper, Ind. Typewriter desk mount. 2,200,919; May 14.
Fröhlich, Alfred. (See Schneider, W., and Fröhlich.)
Fry, William H., Kansas City, Mo. Swing. 2,200,881; May 14.
Funderburk, Otis C. (See Reichhelm, G. L., Holm, Kane, and Funderburk.)
Furman, Eugene C., assignor of one-half to E. F. Heard, Hampton, Va. Metal gasket and provision for extending the life thereof. 2,200,546; May 14.
Futter, Charles J. (See Herzog, E. W., and Futter.)
Gaertner, Frederick J., Maplewood, N. J. Jewelry setting. 2,200,841; May 14.
Gaudet, Joseph E., Boston, Mass. Curtain fixture. 2,200,740; May 14.
Gaynor, Edwin G., Fairfield, Conn. Refrigerator control. 2,200,599; May 14.
Gebauer-Fuelnegg, Erich, deceased, by M. Gebauer-Fuelnegg, administratrix, Evanston, and E. W. Moffett, assignors to Marbon Corporation, Chicago, Ill. Rubber hydrochloride composition. 2,201,034; May 14.
Gebauer-Fuelnegg, Marie, administratrix. (See Gebauer-Fuelnegg, E., and Moffett.)
Gehrke, Max. (See Schoeller, W., Gehrke, and Hildebrandt.)
Geigy, J. R., A. G. (See Krebser, Adolf, assignor.)
Geiser, Hans D., Chemnitz, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Siegmar-Schonau, Germany. Typewriting machine. 2,200,693; May 14.

General Aniline & Film Corporation. (See Berthold, E., and Mueller, assignors.)
General Aniline & Film Corporation. (See Eckert, W., and Quint, assignors.)
General Aniline & Film Corporation. (See Fellmer, Ernst, assignor.)
General Aniline & Film Corporation. (See Kränzlein, G., and Roemer, assignors.)
General Aniline & Film Corporation. (See Ritter, Heinrich, assignor.)
General Aniline & Film Corporation. (See Schneider, W., and Fröhlich, assignors.)
General Aniline & Film Corporation. (See Teupel, E., and Wahl, assignors.)
General Cable Corporation. (See Atkinson, Ralph W., assignor.)
General Electric Company. (See Blake, Harold D., assignor.)
General Electric Company. (See Blume, Louis F., assignor.)
General Electric Company. (See Cook, Leonard W., assignor.)
General Electric Company. (See Dorgelo, Eduard G., assignor.)
General Electric Company. (See Elenbaas, Willem, assignor.)
General Electric Company. (See Fraenckel, Victor H., assignor.)
General Electric Company. (See Jennings, Clair E., assignor.)
General Electric Company. (See Krefft, H., Larché, and Thomas, assignors.)
General Electric Company. (See Lennox, T. C., and Minneci.)
General Electric Company. (See McArthur, Elmer D., assignor.)
General Electric Company. (See Moore, Roy W., assignor.)
General Electric Company. (See Runaldue, Lewis R., assignor.)
General Electric Company. (See Trebbin, G., Ledig, and Helwig, assignors.)
General Electric Company. (See Uyterhoeven, W., Verburg, Schouwstra, and Mutsaers, assignors.)
General Railway Signal Company. (See Branson, Edward H., assignor.)
General Railway Signal Company. (See Dicke, O. H., and Hitchcock, assignors.)
General Railway Signal Company. (See Smith, Percy W., assignor.)
General Railway Signal Company. (See Willing, Joseph E., assignor.)
General Thermostat Corporation. (See Reingruber, Frank and J., assignors.)
Gerard, Ludwig, Mannheim-Feudenheim, Germany. Platen printing machine. 2,200,920; May 14.
Gerecke, Eduard, and O. Deutschbein, Berlin-Grunewald, and W. Schulze, Berlin-Wilmersdorf, assignors to Julius Pintsch Kommanditgesellschaft, Berlin, Germany. Annular fusion joint. 2,200,694; May 14.
Gilpin, Garth G., Riverside, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Panel construction. 2,200,240; May 14.
Girard, Norman E., Windsor, Ontario, Canada. Internal combustion engine piston. 2,201,085; May 14.
Glassberg, Jacob, Hillside, N. J., assignor, by mesne assignments, to Radiant Lamp Corporation. Electric device. 2,200,954; May 14.
Gleason Works. (See Carlsen, Leonard O., assignor.)
Goedike, John G. (See Lukesh, G. R., and Goedike.)
Goldberg, Israel, New York, N. Y. Jack. 2,200,392; May 14.
Goldsmith, Bertram J., Neshanic, N. J. Narrow fabric. 2,200,882; May 14.
Gordon-Stables, Ida, London, England. Cosmetic container. 2,201,035; May 14.
Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric iron construction. 2,201,107; May 14.
Grady, George M., Browndale Park, and H. F. Ruberg, assignors to The Flour City Ornamental Iron Company, Minneapolis, Minn. Check rail sealing construction. 2,200,547; May 14.
Grady, George M., Browndale Park, and H. F. Ruberg, assignors to The Flour City Ornamental Iron Company, Minneapolis, Minn. Window sash guiding and sealing means. 2,200,548; May 14.
Gramann, Heinrich F. M. (See Huenlich, C., and Gramann.)
Granell, George P., Toronto, Ontario, Canada. Grinding machine for plastic flooring. 2,200,921; May 14.
Grapp, George L., Seattle, Wash. Closure for bottles. 2,200,600; May 14.
Grapp, Herbert L., Minneapolis, Minn. Indirect air heater. 2,200,549; May 14.
Gray, Elmer E., Cliftondale, Mass. Separating and feeding mechanism for envelopes. 2,200,842; May 14.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrostatic recording and reproducing. 2,200,741; May 14.
Greth, Arthur, and J. Reese, Wiesbaden, Germany, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Conversion products of rubber. 2,200,715; May 14.
Grower, William F., et al., trustees. (See Pratt, Harry P., assignor.)
Grundstein, Irving R., assignor to Fall River Curtain Company, Inc., New York, N. Y. Curtain. 2,200,366; May 14.
Grunwald, Albert C., River Forest, Ill. Placement of breast pocket handkerchiefs. 2,200,601; May 14.
Guderian, Juel F., assignor of one-fourth to J. Richmond and one-fourth to G. G. Richmond, Coquille, Oreg. Safety hydraulic brake structure. 2,201,086; May 14.
Guerrier, Edwin J., New Orleans, La. Seesaw. 2,201,036; May 14.
Guiberson Corporation, The. (See Thaheld, Ferl A., assignor.)
Guimond, Joseph A., Montreal, Quebec, Canada. Self-sharpening safety razor. 2,200,246; May 14.
Gunner, William. (See Polikoff, N., and Gunner.)
Gustin-Bacon Manufacturing Company. (See Brelsford, J O, and Conlon, assignors.)
Gustin-Bacon Manufacturing Company. (See Hall, Jesse E., assignor.)
Gutelius, Thomas O. (See Clark, Paul A., assignor.)
Guttzeit, Charles W. (See Blessing, Edgar F., assignor.)
Gwyn, James D. (See Ryan, J. D., and Gwyn.)
Gyro Process Company. (See Alexander, Clive M., assignor.)
Haantjes, Johan, and B. D. H. Tellegen, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Superheterodyne receiving circuit. 2,200,498; May 14.
Haas, Anna M., Chicago, Ill. Back rest for use in a bathtub. 2,200,247; May 14.
Hacker, Charles F. (See Dobbins, J., and Hacker.)
Hadaway, John B. (See Roberts, C., and Hadaway.)
Haga, Lars, Plummer, Minn. Poultry fountain. 2,200,272; May 14.
Hagemeyer, Henry F., Chicago, Ill., assignor to Castings Patent Corporation. Molding process. 2,201,037; May 14.
Hagemeyer, Henry F., Chicago, Ill., assignor to Castings Patent Corporation. Drying apparatus and method. 2,201,038; May 14.
Haggard and Marcusson Company. (See Vanderploeg, Henry, assignor.)
Hahnemann, Walter M., Berlin-Marienfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. System for landing airplanes. 2,200,249; May 14.
Hall, Jesse E., Bakersfield, Calif., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo. Casing protector applicator tool. 2,200,716; May 14.
Hall & McChesney Inc. (See Cooper, James, assignor.)
Haller, Herbert L. J. (See Schechter, M. S., and Haller.)
Halliday, Thomas W., Los Angeles, Calif. Preparing agar-agar flakes. 2,200,774; May 14.
Hallowell, Howard T., assignor to Standard Pressed Steel Co., Jenkintown, Pa. Self-locking setscrew. 2,201,087; May 14.
Hamilton, Roy, and R. Hudson, Merced, Calif. Ice-cream freezer for electrical refrigerators. 2,200,273; May 14.
Hammond, Elmer H., Southport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Temperature responsive instrument. 2,201,039; May 14.
Hamon, Albert W., Skedee, Okla. Mechanical pitchfork. 2,201,088; May 14.
Hancock, Charles M., Wollaston, Mass., assignor to American Telephone and Telegraph Company. Coin collecting apparatus. 2,201,089; May 14.
Haner, Carl. (See Mahler, P., and Haner.)
Hansen-Ellehammer, Hans F., Hellerup, Denmark. Production of fire extinguishing foam. 2,201,040; May 14.
Hardman, Albert F., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Blowing agent for sponge rubber. 2,200,473; May 14.
Hardy, Charles, Pelham Manor, assignor to Hardy Metallurgical Company, New York, N. Y. Treatment of phosphorus. 2,200,742; May 14.
Hardy, Charles, Pelham Manor, assignor to Hardy Metallurgical Company, New York, N. Y. Making a composition of phosphorus and metal. 2,200,743; May 14.
Hardy, James, and R. A. Lloyd, Lowestoft, England. Textile spindle assembly. 2,201,090; May 14.
Hardy Metallurgical Company. (See Hardy, Charles, assignor.)
Hargrett, Wilson W., Wyandotte, Mich. Fishing plug. 2,200,670; May 14.
Harriman, John W., St. Louis County, Mo. Automatic weighing device. 2,200,602; May 14.
Harris-Seybold-Potter Company. (See Harrold, C. W., and Wood, assignors.)
Harris, William A. (See Van Blarcom, C. W., and Harris.)
Harrold, Charles W., University Heights, Ohio, and J. R. Wood, Shelton, Conn., assignors to Harris-Seybold-Potter Company, Cleveland, Ohio. Sheet registering and detecting mechanism. 2,200,367; May 14.
Harten, John J., assignor to Niles-Bement-Pond Company, Hartford, Conn. Tool grinding fixture. 2,200,883; May 14.

Haskin, Byron C., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Composite photography. 2,200,358; May 14.
Haskins, Curtiss X., assignor of one-half to I. G. Parsons, Spokane, Wash. Rotary cutting machine. 2,200,575; May 14.
Hauts Fourneaux & Acieries de Differdange-St.-Ingbert-Rumelange Société Anonyme. (See Baugnée, Justin, assignor.)
Haveles, Evangel A., Los Angeles, Calif. Pad holder. 2,200,499; May 14.
Hawkins, Leon G., Denver, Colo. Crushing and grinding machine. 2,200,576; May 14.
Hayes, Hal, Los Angeles, Calif. Portable crane. 2,200,274; May 14.
Hayes, John C., Jr. (See Clemmitt, W. B., and Hayes.)
Hayward, Roger. (See Strong, J. D., and Hayward.)
Heard, Edmund F. (See Furman, Eugene C., assignor.)
Hefti, Fridolin, assignor to the firm Aktiengesellschaft Cilander, Heriesau, Switzerland. Patterned fabric and producing the same. 2,200,792; May 14.
Heggem, Alfred G., Tulsa, Okla. Valve actuating mechanism. 2,200,474; May 14.
Hehir, James E., Niagara Falls, N. Y. Split-washer-removing tool. 2,201,091; May 14.
Helgis, Henry E., West Orange, assignor to Specialties Development Corporation, Bloomfield, N. J. Fuel tank dump valve. 2,200,922; May 14.
Heinzelmann, Hans, Effretikon, assignor to Sulzer Frères, Societe Anonyme, Winterthur, Switzerland. Balanced combustion engine. 2,200,744; May 14.
Held, Milbert W. (See Judell, J. S., and Held.)
Hellemn, Louis F., Sherwood, Ohio. Internal combustion engine. 2,200,359; May 14.
Helmers, Nick F., New York, N. Y. Wharf. 2,200,550; May 14.
Helwig, Hans-Joachim. (See Trebbin, G., Ledig, and Helwig.)
Henning, Warren K., Plano, Ill., assignor to Hugh H. Eby Inc., Philadelphia, Pa. Socket for vacuum tubes. 2,200,332; May 14.
Henricson, Edwin. (See Burrows, A. L., and Henricson.)
Henry, Charles L., assignor to Lee C. Moore & Company, Inc., Pittsburgh, Pa. Derrick. 2,200,775; May 14.
Hentrich, Winfrid, Dusseldorf-Reisholz, Germany, assignor, by mesne assignments, to "Patchem A.-G. zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren", Zurich, Switzerland. Improving of goods. 2,200,603; May 14.
Heres, Martin, Elmhurst, assignor to Eppens, Smith Company, Inc., New York, N. Y. Container forming mechanism. 2,200,360; May 14.
Herman, Kenneth R., Huntington Woods, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,200,824; May 14.
Herneryd, Fritz O. (See Lindblad, A. R., and Herneryd.)
Herrington, George S., et al., trustees. (See Pratt, Harry P., assignor.)
Herzog, Eugene W., and C. J. Futter, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Article of footwear. 2,200,333; May 14.
Hetherington & Berner Inc. (See Berner, Robert B., assignor.)
Hettler, Sangston. (See Peoples, John S., assignor.)
Heuer, Johanna A. A., administratrix. (See Voss, A., and Heuer.)
Heuer, Werner. (See Voss, A., and Heuer.)
Heymann, Otto, Berlin-Siemensstadt, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Electron discharge device. 2,200,745; May 14.
Hicks, Frederick T., Detroit, Mich., assignor to The Indemse Corporation. Timepiece regulating system and method. 2,200,604; May 14.
Hildebrandt, Friedrich. (See Butenandt, A., and Hildebrandt.)
Hildebrandt, Friedrich. (See Schoeller, W., Gehrke, and Hildebrandt.)
Hill, Hobart W., Seattle, Wash. Fuel oil burner control device. 2,200,671; May 14.
Hiller, Albert W., Fort Worth, Tex. Dental controller. 2,200,621; May 14.
Hinckley, Dana B., Brookline, Mass. Bowling alley. 2,200,551; May 14.
Hines, Pierre R., Portland, Oreg. Deinking of printed paper. 2,200,622; May 14.
Hinrichs, Ferdinand, assignor to Tri-Clover Machine Company, Kenosha, Wis. Pipe joint. 2,200,500; May 14.
Hitchcock, Forest B. (See Dicke, O. H., and Hitchcock.)
Hoagland, Frank O., West Hartford, assignor to Niles-Bement-Pond Company, Hartford, Conn. Positioning device for machine tool tables. 2,200,884; May 14.
Hoe, R., & Co. (See Lewis, William, assignor.)
Hoe, R., & Co. (See Wieking, W. C., and Baumgartner, assignors.)
Hoffman, Fred D., Cleveland, Ohio. Damper device. 2,200,248; May 14.
Hoggatt, Horace S., Richmond, Ind. Closure construction for collapsible tubes. 2,220,923; May 14.
Holke, Eugene E., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical connector. 2,200,448; May 14.
Holm, Eric. (See Reichhelm, G. L., Holm, Kane, and Funderburk.)
Holmber, Rudolph A. (See Bechman, W. O., and Holmberg.)
Hook, Leroy G., San Pedro, Calif. Spill boom. 2,200,552; May 14.
Hoover Company, The. (See Siedle, Arnold D., assignor.)
Hoover, Vaino A., Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Flat cable construction. 2,200,776; May 14.
Hopwood, John M. (See Albrecht, Kurt, assignor.)
Hoskwith, George M., New York, N. Y. Mechanism for cutting and pinking fabric. 2,200,746; May 14.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,200,275; May 14.
Hothersall, John M., Brooklyn, N. Y., and J. H. Murch, East Orange, N. J., assignors to American Can Company, New York, N. Y. Can end assembling machine. 2,220,276; May 14.
Houdry Process Corporation. (See Thayer, C. H., and Prickett, assignors.)
Howell, W. U. (See Moore, John T., assignor.)
Howie, Alexander, Cleveland Heights, Ohio. Container. 2,200,277; May 14.
Howland, Louis H., Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Antioxidant. 2,200,747; May 14.
Hubbell, John P., Garden City, and L. Weisberg, New York, N. Y. Electrogalvanizing process. 2,200,987; May 14.
Hudes, Frederick, Kew Gardens, N. Y. Tobacco pipe. 2,200,393; May 14.
Hudson, Robert. (See Hamilton, R., and Hudson.)
Huenlich, Charles, Bloomfield, and H. F. M. Gramann, Orange, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,220,334; May 14.
Huff, Guy D., Plus, W. Va. Rotary file. 2,200,421; May 14.
Hug, Rudolph, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Yarn holding device for knitting machines. 2,201,092; May 14.
Humeco Corporation. (See Moore, George A., assignor.)
Hund, Ernest A., assignor to The Beardsley & Piper Company, Chicago, Ill. Mulling apparatus. 2,200,825; May 14.
Hunt, J. Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,200,361; May 14.
Hunt, Paul B. (See Ehinger, Carl F., assignor.)
Hunter, Richard B., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Illumination control system. 2,200,501; May 14.
Huntley, Walter P. (See Whitehead, C. L., Chenoweth, Irwin, Duval, Huntley, Rule, and Lewis.)
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
Hydrobiast Corporation, The. (See Tirrell, Leslie L., assignor.)
Hygrade Sylvania Corporation. (See Bowie, Robert M., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Baehr, H., and Braus, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Brodersen, K., and Quaedvlieg, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kösslinger, K., Klare, and Rein, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Legeler, Eberhard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Michel, Josef M., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rüsch, F., and Sander, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Sandhaas, W., Daniel, and Mühlhausen, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schirrmeister, Kurt, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Voss, A., and Heuer, assignors.)
Ilimer, Louis, Cortland, N. Y. Pocket gum dispenser. 2,200,553; May 14.
Illo, Frank, assignor to F. Illo, Jr., New York, N. Y. Illuminating device. 2,201,093; May 14.
Illo, Frank, Jr. (See Illo, Frank, assignor.)
Imperial Chemical Industries Limited. (See Cliffe, Wilfrid H., assignor.)
Imperial Chemical Industries Limited. (See Perrin, M. W., Fawcett, Paton, and Williams, assignors.)
Imperial Chemical Industries Limited, et al. (See Lindblad, A. R., and Herneryd, assignors.)
Indemse Corporation, The. (See Hicks, Frederick T., assignor.)
Independent Lock Company. (See Falk, Morris, assignor.)
Industrial Clutch Company. (See Eason, Clarence M., assignor.)
Industrial Patents Corporation. (See Mink, Leon D., assignor.)
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Ingersoll, Roy C., Winnetka, assignor to Borg-Warner Corporation, Chicago, Ill. Bacon fryer. 2,200,335; May 14.
Insulite Company, The. (See Fisher, Albert A., assignor.)

International Business Machines Corporation. (See Belderbecke, Charles H., assignor.)
International Harvester Company. (See Baker, D. B. Rogers, and Bechman, assignors.)
International Harvester Company. (See Bechman, W. O., and Holmberg, assignors.)
International Harvester Company. (See Benjamin, B. R., and Mott, assignors.)
International Harvester Company. (See Finne, Jacob von S., assignor.)
International Harvester Company. (See Lindgren, Alexus C., assignor.)
International Nickel Company, The. (See Brophy, G. R., and French, assignors.)
Interstate Bakeries Corporation. (See Weltmer, Tracy C., assignor.)
Intertype Corporation. (See Freund, Herman R., assignor.)
Intertype Corporation. (See Sylte, Richard E., assignor.)
Inventions Holding Corporation. (See Fox, Ansley H., assignor.)
Inventors Patent Holding Company. (See Mahr, Julius A., assignor.)
Irwin, Emmett M. (See Whitehead, C. L., Chenoweth, Irwin, Duval, Huntley, Rule, and Lewis.)
Iverson, Christian, Weston, Iowa. Lawn mower. 2,200,368; May 14.
Jackson, Charles H., et al. (See Bronson, Oscar A., assignor.)
Jacobs, Charles T. (See Dunning, O. M., and Jacobs.)
Jacobs, Fred W., Louisville, Ky. Vehicle position altering device. 2,200,422; May 14.
Jacobstein, Hyman. (See Black, I. E., and Jacobstein.)
James, Norman L., Ingersoll, Ontario, Canada. Snow excavator. 2,200,623; May 14.
Jenkins Bros. (See Watson, Frank H., assignor.)
Jenkins, Dave M., Gary, Ind., assignor to B. H. Lowther. Composition for treating silk goods to prevent running. 2,200,336; May 14.
Jennings, Andrew B., New Brunswick, and E. B. Middleton, Metuchen, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y. Bis-pyrazolonyl color former. 2,200,924; May 14.
Jennings, Clair E., Schenectady, N. Y., assignor to General Electric Company. Shaft locking device. 2,200,988; May 14.
Jennings, William E., West Warwick, R. I., assignor to U. S. Bobbin & Shuttle Company, Lawrence, Mass. Shuttle. 2,200,843; May 14.
Jensen Creamery Machinery Company. (See Cornell, Fritz G., Jr., assignor.)
Johnson, Albert C., Brooklyn, N. Y. Oil burner. 2,200,826; May 14.
Johnson Bronze Company. (See Klinker, Louis G., assignor.)
Johnson, Gordon G., assignor to Auburn Automobile Company, Connersville, Ind. Refrigerator. 2,200,502; May 14.
Johnson, John A., Woodhaven, N. Y. Apparatus for assembling sealing pads in receptacle closure caps. 2,200,844; May 14.
Johnson, Lloyd A., Hillsborough, and A. D. Owen, Berkeley, assignors to National Oil Seal Co., Oakland, Calif. Fluid seal. 2,200,925; May 14.
Johnson, Robert I. (See Clayton, W., Back, Morse, and Johnson.)
Johnson, Stanley G., assignor to Niles-Bement-Pond Company, Hartford, Conn. Thread gauge. 2,200,885; May 14.
Johnston, William G., Philadelphia, Pa., assignor to Motor Parts Company. Oil burner. 2,200,278; May 14.
Jones, Frances M., Burlington, Iowa. Hair clip and curler. 2,200,624; May 14.
Jones, James B., Evanston, Ill. Oil-grease recording device. 2,200,362; May 14.
Judell, Julius S., Shorewood, and M. W. Held, Whitefish Bay, assignors to Milwaukee Flush Valve Company, Wilwaukee, Wis. Spray head. 2,200,503; May 14.
Judson, Albert L., Portland, Oreg., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Overload cutout switch. 2,200,845; May 14.
Jungersen, Thoger G., Summit, N. J. Casting. 2,200,449; May 14.
Jungersen, Thoger G., Mimico, Ontario, Canada. Method for casting jewelry and the like. 2,201,131; May 14.
K-W Ignition Corporation, The. (See Spalding, Thomas R., assignor.)
Kalo Inoculant Company. (See Bond, Varley S., assignor.)
Kämpfer, Adolf, Charlottenburg, Berlin, Germany. Removing the solvents from solutions of resilient substances. 2,200,554; May 14.
Kane, Frank A. (See Reichhelm, G. L., Holm, Kane, and Funderburk, assignors.)
Kane, Frank A., Jr. (See Reichhelm, G. L., Holm, Kane, and Funderburk.)
Karpen, S. & Bros. (See Van Derveer, C. A., and Beck, assignors.)
Kassel, Joseph B., Brooklyn, N. Y. Incandescent lamp globe. 2,201,094; May 14.
Katz, Jacob, Providence, assignor to Warwick Chemical Company, West Warwick, R. I. Fatty derivatives of alkylated amines. 2,201,041; May 14.
Katz, Jacob, Providence, assignor to Warwick Chemical Company, West Warwick, R. I. Reducing composition useful for textile printing, dyeing, and other purposes. 2,201,042; May 14.
Kaufman, Mabelle G., executrix. (See Kaufman, Tobias J.)
Kaufman, Tobias J., deceased, Chicago, Ill.; M. G. Kaufman, executrix, assignor to Eljer Company, Ford City, Pa. Ball bearing faucet. 2,201,095; May 14.
Kaufmann, Hans, Munster, Westphalia, Germany. Making fatty acids. 2,200,279; May 14.
Kaut, Paul F., San Pedro, Calif. Anchor. 2,200,695; May 14.
Kearney, James R., Corporation. (See Fox, Charles A., assignor.)
Kearney, James R., Corporation. (See Hoike, Eugene E., assignor.)
Keating, Herbert S., North Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Core covering apparatus. 2,200,955; May 14.
Keen, Thomas A., San Mateo, Calif., assignor to H. M. Smith, River Forest, Ill. Starting box. 2,200,504; May 14.
Keil, Gustav B., St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Ironing machine. 2,200,748; May 14.
Keller, Arthur M. (See Bucknam, J. H., Miller, and Keller.)
Kellogg Switchboard and Supply Company. (See Shaver, John, assignor.)
Kelsey-Hayes Wheel Company. (See Whitten, Owen M., assignor.)
Kemp, Roland J., Chelmsford, England, assignor to Radio Corporation of America. Television picture reproducing apparatus. 2,200,749; May 14.
Kennedy, George W., Philadelphia, Pa. Ice cream cone and making. 2,200,956; May 14.
Kenney, James T., Antioch, Calif. Wallboard. 2,200,750; May 14.
Kerman, Ernest, Kfar-Saba, Palestine. Locating and repairing suction strainer damages in wells. 2,201,096; May 14.
Kern, Emil, Long Island City, N. Y., assignor to Acco Products, Inc. Perforating device. 2,200,672; May 14.
Kerr, Ralph L., assignor of one-half to J. E. Peek, Oklahoma City, Okla. Locating device for use in boreholes. 2,200,505; May 14.
Kessler, George A. (See Blumer, M., Kessler, and Salzmann.)
Kiebele Manufacturing Company. (See Wilson, R. A., and Smith, assignors.)
Kilgore, Lee A., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable speed motor drive. 2,201,006; May 14.
Kinder, Theodor, assignor to "Wistra," Ofenbau Gesellschaft mit beschrankter Haftung, Essen, Germany. Oil-air burner. 2,200,673; May 14.
King, James V. (See Dennis, J. H., and King.)
Kingston, Arthur W., assignor of one-half to P. K. De Gooreynd, London, England. Photographic camera. 2,201,097; May 14.
Kingston Products Corporation. (See Penfold, Charles S., assignor.)
Kirsch Company. (See Kirsch, Guy W., assignor.)
Kirsch, Guy W., assignor to Kirsch Company, Sturgis, Mich. Extension curtain rod assembly. 2,201,043; May 14.
Klare, Hermann. (See Kösslinger, K., Klare, and Rein.)
Klein, Joseph A., Jr., assignor to Mathias Klein & Sons, Chicago, Ill. Lineman's climber. 2,200,450; May 14.
Klein, Mathias, & Sons. (See Klein, Joseph A., Jr., assignor.)
Kline, John E., Grosse Pointe Farms, assignor to Micromatic Hone Corporation, Detroit, Mich. Tool for machining tapered bores. 2,200,506; May 14.
Klingenstierna, Claës A., Karlstad, Sweden. Insertion for tobacco pipes. 2,200,793; May 14.
Klinker, Louis G., assignor to Johnson Bronze Company, New Castle, Pa. Making metallic molding powders. 2,200,369; May 14.
Klumpp, Ferdinand, and F. Lambach, Weehawken, N. J.; said Lambach assignor to said Klumpp. Knitting machine. 2,200,280; May 14.
Koebel, Charles J., Detroit, Mich. Setting diamonds for industrial purposes. 2,200,281; May 14.
Kol-Master Corporation. (See Bressler, Robert E., assignor.)
Koppel, Josef, Westwood, N. J. Steering wheel brake. 2,200,625; May 14.
Koppers Company. (See Daniels, Joseph, assignor.)
Koppers Company. (See Koppers, Heinrich, assignor.)
Koppers Company. (See Linder, Willy, assignor.)
Koppers Company. (See Söllner, Heinrich, assignor.)
Koppers Company. (See van Ackeren, Joseph, assignor.)
Koppers Company. (See van Ackeren, Paul, assignor.)
Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Recovery of pure phenols or phenolates from gas liquor or the like. 2,200,370; May 14.
Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Continuously operated vertical chamber or retort ovens for the production of gas and coke. 2,200,371; May 14.

Kösslinger, Karl, Dessau, H. Klare, Wolfen Kreis Bitterfeld, and H. Rein, Dessau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Maine, Germany. Producing cellulosic fibers having affinity for acid dyes. 2,200,452; May 14.
Kotzin, Jacob J. (See O'Hara, J. V., and Kotzin.)
Kozak, Joseph L., Munster, assignor to Screw Conveyor Corporation, Hammond, Ind. Elevator bucket. 2,200,507; May 14.
Krantz, Hubert K., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical connector. 2,200,794; May 14.
Kränzlein, Georg, and F. Roemer, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. Anthrachrysone-2,6-dialdehyde and preparing the same. 2,200,957; May 14.
Krebser, Adolf, Riehen, near Basel, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Monoazo dyestuffs and their manufacture. 2,200,423; May 14.
Krefft, Hermann, Berlin-Friedrichshagen, K. Larché, Berlin, and M. Thomas, Weisswasser, Oberlausitz, Germany, assignors to General Electric Company. Glass for gaseous electric discharge devices. 2,200,958; May 14.
Kreis, Joseph D., assignor to Bonnar-Vawter Fanform Company, Inc., Cleveland, Ohio. Printing plate and making same. 2,200,363; May 14.
Krieck, James H., Roselle Park, N. J. Visible filtering apparatus. 2,200,795; May 14.
Krieger, Stewart O., Olympia, Wash., assignor to W. M. Derig. Machine to select, segregate, and choose addressograph frames. 2,200,751; May 14.
Krogh, Peter O., assignor to Superior Body Company, Lima, Ohio. Metal door frame for automobiles. 2,200,555; May 14.
Kubaugh, Benjamin F., assignor to Henry Vogt Machine Co., Inc., Louisville, Ky. Method and apparatus for freezing ice. 2,200,424; May 14.
Kuert, Ira J., Los Angeles, Calif. Lid support. 2,200,556; May 14.
Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Electric heating device. 2,200,557; May 14.
Kuhn, Max O., Cuyahoga Falls, assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio. Grid-trimming apparatus. 2,200,886; May 14.
Kuhnl, Leopold, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Magazine for razor blades. 2,200,752; May 14.
Kunstadter, Wilhelm, Budapest, Hungary. Developing device for light-sensitive paper. 2,200,451; May 14.
Kürsteiner, Ernst, Kjelsas, near Oslo, Norway. Machine for punching and coiling dynamo core ribbons. 2,200,425; May 14.
Lacy, Roy. (See Palmer, George V., assignor.)
La Mar, Frank C. (See Dodge, Lyman E., assignor.)
Lambach, Fritz. (See Klumpp, F., and Lambach.)
Lamkin, Elver B., Chicago, Ill. Grip for golf clubs or the like. 2,200,626; May 14.
Land, Edwin H., Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Display device employing polarized light. 2,200,959; May 14.
Landmann, Alexander, Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Variable reactive coupling device. 2,200,508; May 14.
Langdon, Jesse D., La Canada, Calif. Light casing. 2,201,044; May 14.
Larché, Kurt. (See Krefft, H., Larché, and Thomas.)
Lattmann, Max E., Zurich, Switzerland. Production of anode material for electrothermically modulable radiators. 2,200,846; May 14.
Lawton, Howard C. (See Bent, F. A., Loomis, and Lawton.)
Lazier, Wilbur A. (See Arnold, H. R., and Lazier.)
Lazier, Wilbur A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vapor phase catalytic hydrogenation of adiponitrile. 2,200,282; May 14.
Leavelle, A. B. (See Stannard, Benjamin F., assignor.)
Leavenworth, Frank G., Oak Park, assignor, by mesne assignments, to Packers Machinery Company, Chicago, Ill. Distributing apparatus for intestines. 2,200,960; May 14.
Lecher, Hans Z., Plainfield, F. H. Adams, Somerville, and H. P. Orem, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Diazo derivatives of cyclic guanidyl sulphonic acids. 2,200,926; May 14.
Ledig, Willy. (See Trebbin, G., Ledig, and Helwig.)
Lee Wilson Sales Corporation. (See Woodson, James C., assignor.)
Legeler, Eberhard, Premnitz, Westhavelland, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of carbon disulphide. 2,200,475; May 14.
Lehman, Edward G., assignor to York Ice Machinery Corporation, York, Pa. Baudelot water cooler. 2,200,426; May 14.
Leich Electric Company. (See Reid, Alexander C., assignor.)
Lennon, Robert J., East Moline, Ill. Universal mounting. 2,200,283; May 14.
Lennox, Thomas C., and S. Minneci, Pittsfield, Mass., assignors to General Electric Company. Electric regulator. 2,200,989; May 14.
Lennox, Thomas C., and S. Minneci, Pittsfield, Mass., assignors to General Electric Company. Electric regulator. 2,200,990; May 14.
Leonard, William D., assignor to York Ice Machinery Corporation, York, Pa. Machinery base stabilizer. 2,200,859; May 14.
Leslie, Howard C., Milton, assignor to B R E Manufacturing Co., Hyde Park, Mass. Slip cover for water-closet seats. 2,200,394; May 14.
Levy, Maurice A., and C. E. Smith, Chicago, Ill.; said Smith assignor to said Levy. Safety door check construction. 2,200,627; May 14.
Lewis, George E. (See Whitehead, C. L., Chenoweth, Irwin, Duval, Huntley, Rule, and Lewis.)
Lewis, William, Cleveland, assignor to R. Hoe & Co., Inc., New York, N. Y. Control device for printing machines. 2,200,284; May 14.
L'Heureux, Luke J., Jasper, Ala. Child's coaxer dish. 2,200,696; May 14.
Libbey-Owens-Ford Glass Company. (See Anderson, Ben F., assignor.)
Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)
Libbey-Owens-Ford Glass Company. (See Ryan, J. D., and Gwyn, assignors.)
Lieber, Isaace, assignor to Thervac Products, Inc., New York, N. Y. Container for baby bottles, and the like. 2,200,991; May 14.
Lill Friedrich, Vienna, Austria, and W. Pinell, Falkensee, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone metering system. 2,200,796; May 14.
Lilleberg, Tideman M., Chicago, Ill., assignor to The Nye Tool & Machine Works. Work holder. 2,200,927; May 14.
Lindae, William H., St. Louis, Mo. Disconnecting switch. 2,200,509; May 14.
Lindblad, Axel R., Stockholm, and F. O. Herneryd, Skelleftehamn, Sweden, assignors to Imperial Chemical Industries Limited, London, England, and Bolidens Gruvaktiebolag, Stockholm, Sweden. Producing elemental sulphur by reaction between sulphureted hydrogen and sulphur dioxide. 2,200,928; May 14.
Linde Air Products Company, The. (See Bucknam, J. H., Miller, and Keller, assignors.)
Linde Air Products Company, The. (See Clapp, Edwin A., assignor.)
Linder, Willy, Essen, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Electric steel furnace or the like. 2,200,372; May 14.
Lindgren, Alexus C., Chicago, Ill., assignor to International Harvester Company. Tractor implement attachment. 2,200,777; May 14.
Lindley, Charles V., assignor of thirty-three and one-third to R. D. Scott, Flint, Mich. Automatic shut-off valve. 2,200,697; May 14.
Link-Belt Company. (See Suman, R. W., and Schmidt, assignors.)
Linsell, Alfred A., Sydenham, London, England, assignor to Radio Corporation of America. Television system. 2,200,753; May 14.
Lintern, Alfred R., assignor to Evans Products Company, Detroit, Mich. Vehicle ventilating and air conditioning apparatus. 2,200,992; May 14.
Littell, F. J., Machine Co. (See Miller, Edgar R., assignor.)
Lizakowski, Frank H. (See Lizakowski, Julius, assignor.)
Lizakowski, Julius, assignor to F. H. Lizakowski, Minto, N. Dak. Wrench. 2,200,453; May 14.
Lloyd, Richard A. (See Hardy, J., and Lloyd.)
Lobl, Frederick, Middleboro, Mass. Container. 2,200,395; May 14.
Locke, James S. (See Newton, A. B., and Locke.)
Lockwood, Henry C., deceased, Brooklyn, N. Y.; I. T. Lockwood, administratrix. Apparatus for welding. 2,200,887; May 14.
Lockwood, Isabel T., administratrix. (See Lockwood, Henry C.)
Loewe Radio, Inc. (See Wolff, Hanns-Heinz, assignor.)
Lofstedt, William J., Portland, Oreg. Plate shaving machine. 2,200,628; May 14.
Loomis, Albert G. (See Bent, F. A., Loomis, and Lawton.)
Lorentzen, Hans K., Montclair, N. J. Venetian blind bracket. 2,200,510; May 14.
Lorenz, C., Aktiengesellschaft. (See Hahnemann, Walter M., assignor.)
Lorenzen, Robert, assignor of thirty-three and one-third per cent to G. H. Callaghan, thirty-three and one-third per cent to F. Spiegel, New York, N. Y., and thirty-three and one-third per cent to himself. Television in natural color. 2,200,285; May 14.
Loughridge, Matthew H. (See Everett, Edward A., assignor.)
Loughridge, William R., et al., executors. (See Everett, Edward A.)
Louis, Fred T., assignor of one-half to G. H. Trembly, Kansas City, Mo. Illuminated automatic pad and pencil holder. 2,200,629; May 14.
Lowther, Bernie H. (See Jenkins, Dave M., assignor.)
Lozon, Carl F., Massillon, Ohio. Production of charged capsules. 2,200,577; May 14.

Ludwig, John, Detroit, Mich. Hinge. 2,200,511; May 14.
Ludwig, Leon R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,201,007; May 14.
Lukesh, Gustave R., Pasadena, Calif., and J. G. Goedike, San Antonio, Tex. Uninegative multicolor planography. 2,200,286; May 14.
Lundstrom, Ernest R., Worcester, Mass. Lighting device. 2,201,045; May 14.
Lysholm, Alf, assignor to Aktiebolaget Milo, Stockholm, Sweden. Turbine. 2,200,287; May 14.
Macarello Corporation, The. (See Zuccarello, William E., assignor.)
MacArthur, Charles J., Glen Ridge, N. J. Web-fed printing press. 2,201,008; May 14.
MacClatchie, John W., Los Angeles, assignor to MacClatchie Manufacturing Company of California, Compton, Calif. Drill bit. 2,200,337; May 14.
MacClatchie Manufacturing Company of California. (See MacClatchie, John W., assignor.)
Mace, Arthur T., East Cleveland, assignor to The Radiart Corporation, Cleveland, Ohio. Support for radio antennae. 2,200,888; May 14.
MacKay, William M. (See Bolen, Jesse T., assignor.)
Madge, Evelyn W., Wylde Green, and A. A. Round and T. Norcross, Erdington, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Vulcanizing sponge rubber. 2,200,847; May 14.
Magazine Repeating Razor Company. (See Kuhnl, Leopold, assignor.)
Magnusson, Knut J. (See Bedford, A. V., and Magnusson.)
Mahler, Paul, New York, N. Y., and C. Haner, Moylan, assignors to Publicker Inc., Philadelphia, Pa. Denatured alcohol composition. 2,201,108; May 14.
Mahler, Paul, New York, N. Y., and C. Haner, Moylan, assignors to Publicker Inc., Philadelphia, Pa. Denatured alcohol composition. 2,201,109; May 14.
Mahon, Thomas C., Burnaby, British Columbia, Canada. Pressure equalizing valve. 2,200,578; May 14.
Mahr, Julius A., assignor to Inventors Patent Holding Company, Minneapolis, Minn. Latch mechanism for folding body supports on baby carriage chassis. 2,200,889; May 14.
Mail & Express Printing Co. (See Stolper, Harry E., assignor.)
Majewski, Aniela, Chicago, Ill. Sanitary pad holder. 2,200,754; May 14.
Makram, Latif T., Cairo, Egypt. Brick or block. 2,201,110; May 14.
Mandalian, Sahatiel G., North Attleboro, Mass. Sound producing device for a tap dancing shoe. 2,200,848; May 14.
Manning, Maxwell & Moore, Incorporated. (See Hammond, Elmer H., assignor.)
Marbon Corporation. (See Gebauer-Fuelnegg, E., and Moffett, assignors.)
Marchant Calculating Machine Company. (See Avery, Harold T., assignor.)
Marcus, Alex. (See Monnia, E. F., and Marcus.)
Margolin, Morris N., Chicago, Ill. Inner sole. 2,200,849; May 14.
Marinsky, Davis. (See Morin, L. H., and Marinsky.)
Marinsky, Davis, and L. H. Morin, Bronx, N. Y. Thread spool and constructing the same. 2,200,721; May 14.
Marshall, James F., Auburn, N. Y. Shoe construction and making same. 2,200,579; May 14.
Marshall, Leslie H., Fullerton, Calif., assignor to J. Regan, as trustee. Quick-detachable electrical connection. 2,200,993; May 14.
Martin, Cary W., Los Angeles, Calif. Antenna system. 2,200,396; May 14.
Martin, Otis C., Los Angeles, Calif., assignor to Electrical Research Products, Inc. Electroresponsive light valve. 2,200,797; May 14.
Martin, Victor S., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for assembling strands. 2,200,961; May 14.
Mascarini, Giovanni. (See Cristiani, L., and Mascarini.)
Mason, Carl T., Chicago, Ill. Antenna mast. 2,200,338; May 14.
Maxolite Holdings Limited. (See Redfern, Alfred H., assignor.)
Mayers, Wilbur S., Toledo, Ohio. Vertical sand damper. 2,200,558; May 14.
McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Ultra short wave device. 2,200,962; May 14.
McArthur, William, East Orange, N. J. Condiment shaker. 2,200,755; May 14.
McCabe, Joseph H., Maplewood, N. J. Pressure tank gauge and sampling device. 2,200,630; May 14.
McCann, Michael, Ozone Park, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Universal button sewing machine. 2,200,929; May 14.
McCanna, Edward P. (See Wintercorn, A. F., and McCanna.)
McClelland, Harold L. (See Dyer, F. C., and Campbell, assignors.)
McCortney, Willett J. (See Christman, R. W., and McCortney.)
McDonald, Eugene F., Jr., Chicago, Ill. Radio apparatus. 2,200,674; May 14.
McGoldrick, William J., and A. B. Newton, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,200,241; May 14.
McKim, Orville E., Port Chester, N. Y. Preparation for cleaning removable dentures. 2,201,098; May 14.
McKinney, Thurman R., Shawnee, Okla. Handle. 2,200,698; May 14.
McLain, Fremont H., Wellsville, Ohio. Self-oiling swing hook. 2,201,046; May 14.
McNally, James G. (See Dickey, J. B., and McNally.)
McNeil, Kenneth W. (See Nelson, R. M., and McNeil.)
McNulty, Gerald A., West St. John, New Brunswick, Canada. Hinge. 2,200,699; May 14.
McQueer, Bert H., assignor to Speer Carbon Company, St. Marys, Pa. Process of and apparatus for heating materials. 2,200,930; May 14.
Megow, Charles F., Detroit, Mich. Motor vehicle. 2,200,798; May 14.
Meininghaus, Ulrich, Mulheim, Ruhr, Germany. Bladed disk for radial flow rotary machines. 2,200,288; May 14.
Melin, T. Clifford. (See Stehlin, Theodore A., assignor.)
Merlich, Max C., Poulsbo, Wash. Soil conditioner. 2,200,631; May 14.
Merta, Bozena, Chicago, Ill. Drinking cup. 2,200,512; May 14.
Merz, Francesco, Turin, Italy. Propeller device. 2,200,427; May 14.
Messer, William E., Cheshire, and H. H. Bassford, Jr., Naugatuck, Conn., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Treatment of rubber. 2,200,756; May 14.
Metal & Thermit Corporation. (See Vollmer, Anton, assignor.)
Metaplast Corporation. (See Walker, Bernard F., assignor.)
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Meyer, Albert P., assignor to Pittsburgh Coke & Iron Company, Pittsburgh, Pa. Coking pitch. 2,200,717; May 14.
Michel, Josef M., Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Heat treatment of metals. 2,201,111; May 14.
Micromatic Hone Corporation. (See Connor, Kirke W., assignor.)
Micromatic Hone Corporation. (See Kline, John E., assignor.)
Middleton, Edmund B. (See Jennings, A. B., and Middleton.)
Miessner, Benjamin F., assignor to Miessner Inventions, Inc., Millburn, Township, Essex County, N. J. Electronic piano. 2,200,718; May 14.
Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)
Miller, Alfred J. (See Bucknam, J. H., Miller, and Keller.)
Miller, Amos L., Foss, Okla. Material mixing machine. 2,200,757; May 14.
Miller, Arthur J., Chicago, Ill. Tool support. 2,200,799; May 14.
Miller, Edgar R., assignor to F. J. Littell Machine Co., Chicago, Ill. Plate lifter. 2,200,800; May 14.
Miller, William J., Swissvale, Pa. Method and apparatus for manufacturing pottery ware. 2,200,860; May 14.
Mills, Henry L., assignor to G. L. Pugh, Minneapolis, Minn. Arc welding system. 2,200,632; May 14.
Mills, Kenneth F. (See Monnia, E. F., and Marcus, assignors.)
Milwaukee Flush Valve Company. (See Judell, J. S., and Held, assignors.)
Mining Engineering Company Limited, The. (See Nyborg, Tage G., assignor.)
Mink, Leon D., assignor to Industrial Patents Corporation, Chicago, Ill. Treatment of egg whites. 2,200,963; May 14.
Minneapolis-Honeywell Regulator Company. (See Judson, Albert L., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGoldrick, W. J., and Newton, assignors.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, A. B., and Locke, assignors.)
Minneapolis-Honeywell Regulator Company. (See Pond, Bertram P., assignor.)
Minneci, Salvatore. (See Lennox, T. C., and Minneci.)
Miserentino, Charles O., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Flameproofing sponge rubber and method of flameproofing. 2,200,850; May 14.
Mishawaka Rubber and Woolen Manufacturing Company. (See Herzog, E. W., and Futter, assignors.)
Mitchel, Clyde L., El Monte, and E. L. Wetmore, Alhambra, assignors to Challenge Cream & Butter Association, Los Angeles, Calif. Churning and working butter. 2,200,513; May 14.
Mitchel, Clyde L., El Monte, and E. L. Wetmore, Alhambra, assignors to Challenge Cream & Butter Association, Los Angeles, Calif. Combined churn and butter worker. 2,200,514; May 14.

Mitchell, Doren, Bound Brook, and H. Nyquist, Millburn, N. J., assignors to American Telephone and Telegraph Company. Transmission system. 2,200,559; May 14.
Moeller, George J., assignor to Dazey Churn and Manufacturing Company, St. Louis, Mo. Nutcracking machine. 2,200,515; May 14.
Moffett, Eugene W. (See Gebauer-Fuelnegg, E., and Moffett.)
Money, Roland H., assignor to The Crosley Corporation, Cincinnati, Ohio. Evaporator control means. 2,200,801; May 14.
Monnia, Eugene F., and A. Marcus, assignors of thirty three and one-third per cent to K. F. Mills, Scranton, Pa. Spindle bracket. 2,200,700; May 14.
Monsanto Chemical Company. (See Carswell, Thomas S., assignor.)
Monson, Frederic H., Minneapolis, Minn. Heat exchange device. 2,200,397; May 14.
Montgomery, Horace M. (See Raymond, S. S., and Montgomery.)
Monzroll, Jeffroy, Montreal, Quebec, Canada. Toothpick dispensing device. 2,200,398; May 14.
Moore, Clarence H. and J. G., assignors to The Aetna Iron & Steel Co., Jacksonville, Fla. Structural member and making same. 2,201,047; May 14.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container and making the same. 2,200,289; May 14.
Moore, James G. (See Moore, Clarence H. and J. G.)
Moore, John R., Tyler, Tex. Timing mechanism. 2,201,048; May 14.
Moore, John T., assignor of thirty per cent to W. U. Howell, Dallas, Tex. Screen door latch. 2,200,701; May 14.
Moore, Lee C., & Company. (See Henry, Charles L., assignor.)
Moore, Perry M., Bloomfield, N. J. Fabric wrinkleproofing and waterproofing composition. 2,200,931; May 14.
Moore, Roy W., Schenectady, N. Y., assignor to General Electric Company. Glass fabrication process and mold. 2,201,049; May 14.
Moreno, Carlos G., Cleveland, Ohio. Control for vehicular rear signal lights. 2,200,778; May 14.
Morgan, Wilbert H., Howard Beach, N. Y. Apparatus for making photoprints. 2,200,719; May 14.
Morin, Louis H. (See Marinsky, D., and Morin.)
Morin, Louis H., and D. Marinsky, assignors to Whitehall Patents Corporation, Bronx, N. Y. Die casting separable fasteners. 2,200,633; May 14.
Morin, Louis H., and D. Marinsky, Bronx, N. Y. Thread spool and constructing the same. 2,200,720; May 14.
Morris, Paul K., Uniontown, Pa. Safety pin. 2,200,290; May 14.
Morse Chain Company. (See Bliss, H. N., and Fenton, assignors.)
Morse, James F. (See Clayton, W., Back, Morse, and Johnson.)
Morton, George W., Bartlett, N. H. Ski passenger carriage and inclined servicing way for the same. 2,200,964; May 14.
Morton, George W., Bartlett, N. H. Passenger carriage for ski or like elevated ways. 2,200,965; May 14.
Morton, Sterling, assignor to Teletype Corporation, Chicago, Ill. Signaling system and apparatus therefor. 2,200,802; May 14.
Motcheck, John F., Jr., et al. (See Edick, Otto D., assignor.)
Motor Parts Company. (See Johnston, William G., assignor.)
Motor Products Corporation. (See Burrows, A. L., and Henricson, assignors.)
Motor Wheel Corporation. (See Hunt, J Harold, assignor.)
Mott, Carl W. (See Benjamin, B. R., and Mott.)
Mounce, Whitman D., Houston, Tex., assignor to Standard Oil Development Company. Measurement of acoustical properties of materials. 2,200,476; May 14.
Mueller, Joachim. (See Berthold, E., and Mueller.)
Mühlhausen, Kornelius. (See Sandhaas, W., Daniel and Mühlhausen.)
Müller, Konrad, Berlin-Spandau, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Motor driven switch. 2,200,803; May 14.
Müller, Konrad, Berlin-Spandau, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Motor driven switch. 2,200,804; May 14.
Murch, John H. (See Hothersall, J. M., and Murch.)
Murray, Howard J., New York, N. Y. Power transmission device. 2,200,890; May 14.
Musher Foundation Incorporated. (See Musher, Sidney, assignor.)
Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Treatment of hydrogenated oils. 2,201,112; May 14.
Mutsaers, Johannes P. M. (See Uyterhoeven, W., Verburg, Schouwstra, and Mutsaers.)
Nagel, Charles H. (See Edwards, T. W., and Nagel.)
Nande Corporation. (See Everett, Edward A., assignor.)
National Broach & Machine Company. (See Drummond, Robert S., assignor.)
National Oil Products Company. (See Robinson, Edwin A., assignor.)
National Oil Seal Company. (See Johnson, L. A., and Owen, assignors.)
National Standard Company. (See Pierce, Robert C., assignor.)
Neal, Franklin G., assignor to Springfield Wire & Tinsel Co., West Springfield, Mass. Antiskid tread. 2,201,113; May 14.
Neidich, Samuel A., Ventnor City, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,200,932; May 14.
Nell, Joseph B., and T. C. O'Farrell, assignors of one-third to T. M. Ferguson, York, S. C. Machine for treating cotton plants. 2,200,242; May 14.
Nells, Raymond E. (See Flynn, T. P., and Nells.)
Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 2,200,966; May 14.
Nelson, Gustave A., et al., executors. (See Everett, Edward A.)
Nelson, Richard M., Larchmont, N. Y., and K. W. McNeil, Bridgeport, Conn., assignors to Reflecto Letters Inc. Translucent display. 2,200,339; May 14.
Neville Company, The. (See Anderson, G. K., Taylor, and Fishel, assignors.)
Newhouse, Walter F., Benton Harbor, Mich. Basket machine. 2,200,560; May 14.
New Jersey Zinc Company, The. (See Cyr, Howard M., assignor.)
Newman, George W., St. Louis, Mo. Bookbinder. 2,200,364; May 14.
Newsom, John B., Nevada City, Calif. Drill hole sheave carrier. 2,200,516; May 14.
Newton, Alwin B. (See McGoldrick, W. J., and Newton.)
Newton, Alwin B., Minneapolis, Minn., and J. S. Locke, Chicago, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,200,243; May 14.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,200,477; May 14.
Nickelsberg, Paul, Offenbach-on-the-Main, Germany. Series automatic machine for the printing industry. 2,200,365; May 14.
Niles-Bement-Pond Company. (See Fox, Raymond S., assignor.)
Niles-Bement-Pond Company. (See Harten, John J., assignor.)
Niles-Bement-Pond Company. (See Hoagland, Frank O., assignor.)
Niles-Bement-Pond Company. (See Johnson, Stanley G., assignor.)
Nineteen Hundred Corporation. (See Keil, Gustav B., assignor.)
Nomeland, Sam K. (See Evenson, Andrew, assignor.)
Norcross, Thomas. (See Madge, E. W., Round, and Norcross.)
Nord, Charles F., Sr. (See Botkin, M., and Nord.)
Northcutt, Ellie H., Dallas, Tex. Container for spray guns. 2,200,675; May 14.
Northern Indiana Brass Company. (See Arbogast, Alfred C., assignor.)
Nyborg, Tage G., assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Dust extraction. 2,200,891; May 14.
Nye Tool & Machine Works, The. (See Lilleberg, Tideman M., assignor.)
Nyquist, Harry. (See Mitchell, D., and Nyquist.)
Nystrom, Axel C., Rutherford, and L. O. Reichelt, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,200,933; May 14.
Oberle, Alfred, Edgemoor, Md., deceased; G. Oberle administratrix. Producing carbonaceous material. 2,201,050; May 14.
Oberle, Grace, administratrix. (See Oberle, Alfred.)
Oberstadt, Elizabeth S. (See Deutsch, Fritz A., assignor.)
Oddie, Fred A., Southampton, England. Detachable fastener. 2,200,702; May 14.
O'Farrell, Thomas C. (See Neil, J. B., and O'Farrell.)
Ogden, Arthur N. (See Cross, R. P., Jr., and Ogden.)
Ogilvie, William, Knowle, assignor to B. S. A. Tools Limited, Birmingham, England. Automatic lathe. 2,201,051; May 14.
O'Hara, James V., and J. J. Kotzin, Philadelphia, Pa.; said O'Hara assignor to said Kotzin. Capsule filling device. 2,200,244; May 14.
Ohio Chemical and Manufacturing Company, The. (See Sholes, Justin G., assignor.)
Oiler, Frank E., Mount Vernon, N. Y. Apparatus for photographing documents. 2,201,009; May 14.
O'Koomian, Charles H., Providence, R. I. Apparatus for molding plastic objects of irregular shape. 2,200,634; May 14.
O'Leary, C. M., Jr. (See Patterson, Edgar W., assignor.)
Oppegaard, Assur G., and C. J. Stopford, Eaglesclift, England, assignors to Titan Company, Inc., Wilmington, Del. Manufacture of titanium dioxide pigments. 2,200,373; May 14.
Orem, Henry P. (See Lecher, H. Z., Adams, and Orem.)
O'Rourke, Herbert D., Ottawa, Ontario, Canada. Power reversing gear. 2,200,562; May 14.
Osborne, William B., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission synchronizer. 2,200,351; May 14.

Oster, John. (See Rasmussen, Charles, assignor.)
Oster, John, assignor to John Oster Manufacturing Company, Racine, Wis. Vibrator. 2,200,635; May 14.
Oster, John, Manufacturing Company. (See Oster, John, assignor.)
Ostwald, Adolph, New York, N. Y. Adjustable method of connecting two fabrics. 2,200,428; May 14.
Owen, Allison D. (See Johnson, L. A., and Owen.)
Ozalid Company Limited, The. (See Reed, John R., assignor.)
Packers Machinery Company. (See Leavenworth, Frank G., assignor.)
Paget, Win W., Michigan City, Ind., assignor to Sullivan Machinery Company. Pumping apparatus. 2,200,291; May 14.
Paine, John D., Jr. (See Bartholomew E. L., and Paine.)
Painter, Walter S., Middlebury, assignor to Waterbury Buckle Company, Waterbury, Conn. Clasp. 2,200,340; May 14.
Palmer, George V., assignor, by mesne assignments, to R. Lacy, Los Angeles, Calif. Metal wall building construction. 2,200,636; May 14.
Paper Patents Company. (See Fleck, Louis C., assignor.)
Papini, Henry, Pawtucket, assignor to Warwick Chemical Co., West Warwick, R. I. Reducing composition useful for textile printing and other purposes. 2,201,010; May 14.
Parke, Davis & Company. (See Bywater, William G., assignor.)
Parkin, Thomas D., Broomfield, near Chelmsford, England, assignor to Radio Corporation of America. Dial indicator apparatus. 2,200,517; May 14.
Parsons, Isaac G. (See Haskins, Curtiss X., assignor.)
Parsons, Philip D., Swathmore, assignor to Scott Paper Company, Chester, Pa. Toilet roll support for recessed wall fixtures. 2,201,052; May 14.
"Patchem A.-G. zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren." (See Hentrich, Winfrid, assignor.)
Patent Button Company, The. (See Peterson, Frederick H., assignor.)
Pateras Pescara, Raul, Paris, France, assignor to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A., Geneva, Switzerland. Regulating device for compressed fluid generators of the free pistons type. 2,200,892; May 14.
Paton, John G. (See Perrin, M. W., Fawcett, Paton, and Williams.)
Patterson, Edgar W., Long Beach, assignor of one-half to C. M. O'Leary, Jr., Los Angeles, Calif. Geared rack and pinion. 2,200,292; May 14.
Pearce, Walter H., North Hills, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 2,200,805; May 14.
Pearce, William L., Houston, Tex. Automatic boiler washer. 2,200,296; May 14.
Peek, J. Eldon. (See Kerr, Ralph L., assignor.)
Peerless Manufacturing Corporation. (See Clark, Verdrie F., assignor.)
Pelosi, Nicholas, Newark, N. J., assignor to American Can Company, New York, N. Y. Control mechanism. 2,200,293; May 14.
Peltier, Frank D., and K. F. Schmidt, Indianapolis, Ind., assignors, by mesne assignments, to Philco Refrigerator Company, Philadelphia, Pa. Shelf and supports therefor. 2,201,114; May 14.
Penfold, Charles S., Bronson, Mich., assignor to Kingston Products Corporation, Kokomo, Ind. Electrical connection means. 2,200,294; May 14.
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Penweld Corporation. (See Watson, Glenn W., assignor.)
Penweld Corporation. (See Watson, G. W., and Brannas, assignors.)
People in the Territory of the United States, Dedicated to the free use of the. (See Dearborn, Frederick E.)
Peoples, John S., assignor of one-fourth to S. Hettler, Chicago, Ill. Apparatus of combustion. 2,200,861; May 14.
Perbal, Albert C., St. Louis, Mo. Adjustable bracket structure. 2,200,518; May 14.
Percival, William S., London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Thermionic amplifier circuits. 2,200,519; May 14.
Perkins, Willard T., and O. E. Trautmann, Irondequoit, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Projector. 2,200,637; May 14.
Perrin, Michael W., E. W. Fawcett, J. G. Paton, and E. G. Williams, Northwich, England, assignors to Imperial Chemical Industries Limited. Interpolymerization of ethylene. 2,200,429; May 14.
Perry, Judson A., assignor of fifty one-hundredths to G. D. Whitehurst, Norfolk, Va. Dusting device. 2,200,676; May 14.
Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Assembling containers. 2,200,295; May 14.
Petersen, Kai, Soborg, near Copenhagen, Denmark. Treating household and town refuse and the like waste materials. 2,200,677; May 14.
Peterson, Frederick H., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Snap fastener attaching machine. 2,201,053; May 14.
Pfeiffer, William C., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 2,200,638;
Philco Radio and Television Corporation. (See Bobb, Lloyd J., assignor.)
Philco Radio & Television Corporation. (See Stephan, Ingo L., assignor.)
Philco Refrigerator Company. See Peltier, F. D., and Schmidt, assignors.)
Phillips, John H., Jackson, Mich. Hose construction. 2,200,967; May 14.
Phillips Petroleum Company. (See Carney, Samuel C., assignor.)
Pierce, John R., and G. K. Teal, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,200,722; May 14.
Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Manufacture of Venetian blinds. 2,200,605; May 14.
Pinell, Walter. (See Lill, F., and Pinell.)
Pines Winterfront Company. (See Agerell, W. C., and Durant, assignors.)
Pintsch, Julius, Kommanditgesellschaft. (See Gerecke, E., Deutschbein, and Schulze, assignors.)
Piper, Walter F., Oak Park, assignor to The Beardsley & Piper Company, Chicago, Ill. Mulling apparatus. 2,200,806; May 14.
Pittsburgh Coke & Iron Company. (See Meyer, Albert P., assignor.)
Pittsburgh Corning Corporation. (See Erath, George F., assignor.)
Pittsburgh Plate Glass Company. (See Clarke, Frank, assignor.)
Pittsburgh Plate Glass Company. (See Freeman, Stephen E., assignor.)
PlaRola Corporation. (See Pullen, Harry, assignor.)
Plaskon Company. (See Balz, Emil H., assignor.)
Plaskon Company. (See Cordier, David E., assignor.)
Platt, Frederick P., and L. Soher, New York, N. Y. Space gaining structure for building constructions. 2,200,934; May 14.
Podd, Ernest A., Houston, Tex. Form hanger. 2,201,011; May 14.
Poese, Theodore H., St. Louis, Mo. Rotary pivoted hammer. 2,200,374; May 14.
Polaroid Corporation. (See Land, Edwin H., assignor.)
Pollkoff, Nathan, and W. Gunner, Brooklyn, N. Y. Fishing reel. 2,200,779; May 14.
Polk, Harry H., Des Moines, Iowa. Vehicle jack. 2,200,994; May 14.
Pollack, Irwin L., assignor to American Decalcomania Company, Chicago, Ill. Stamp or the like. 2,200,893; May 14.
Pond, Bertram P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switch. 2,200,852; May 14.
Porter, Thomas R., and W. L. Sullivan, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Apparatus for measuring ultraviolet radiations. 2,200,853; May 14.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Keyboard. 2,200,807; May 14.
Pratt, Harry P., Chicago, Ill., assignor, by mesne assignments, to H. P. Pratt, W. F. Grower, H. A. Allen, H. T. Ballard, and G. S. Herrington, trustees acting as Pratt Radio Trust. Method of and apparatus for shielding radio instrumentalities. 2,200,678; May 14.
Pratt, Harry P., et al., trustees. (See Pratt, Harry P., assignor.)
Pratt Radio Trust. (See Pratt, Harry P.)
Prest-O-Lite Company, The. (See Tuel, William G., assignor.)
Prickett, Thomas B. (See Thayer, C. H., and Prickett.)
Primas, Alexander, Buffalo, N. Y. Hinge for boxes and the like. 2,200,399; May 14.
Procter, Richard H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit controller. 2,200,995; May 14.
Prüss, Max, and H. Blunk, Essen-Ruhr, Germany. Purification of liquids by biological means. 2,200,580; May 14.
Prüss, Max, and H. Blunk, Essen-Ruhr, Germany. Purification of gases by biological means. 2,200,581; May 14.
Public in the Territory of the United States of America, Free use of the. (See Flynn, T. P., and Neils.)
Publicker Inc. (See Mahler, P., and Haner, assignors.)
Pugh, Guy L. (See Mills, Henry L., assignor.)
Pullen, Harry, assignor to PlaRola Corporation, Easton, Md. Musical instrument and assembling the same. 2,200,430; May 14.
Purvis, Thomas A., Owasso, Okla. Mop. 2,200,808; May 14.
Quaedvlieg, Mathias. (See Brodersen, K., and Quaedvlieg.)
Quint, Ferdinand. (See Eckert, W., and Quint.)
Radiant Lamp Corporation. (See Glassberg, Jacob, assignor.)
Radiart Corporation, The. (See Mace, Arthur T., assignor.)
Radio Corporation of America. (See Bagno, Samuel J. A. M., assignor.)
Radio Corporation of America. (See Bedford, A. V., and Magnusson, assignors.)

Radio Corporation of America. (See Haantjes, J., and Tellegen, assignors.)
Radio Corporation of America. (See Kemp, Roland J., assignor.)
Radio Corporation of America. (See Linsell, Alfred A., assignor.)
Radio Corporation of America. (See Parkin, Thomas D., assignor.)
Radio Corporation of America. (See Rust, Noël M., assignor.)
Radio Patents Corporation. (See Schuck, Oscar H., assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Rahn, Edward C., Brooklyn, N. Y. Indicia bearing device. 2,200,454; May 14.
Rahr, Chester E., assignor to Certain-Teed Products Corporation, New York, N. Y. Covering material. 2,200,341; May 14.
Ramos, Joseph A., San Francisco, Calif. Position selector. 2,200,679; May 14.
Ramos, Joseph A., San Francisco, Calif. Remote control apparatus. 2,200,680; May 14.
Rasmussen, Charles, assignor of one-half to J. Oster, Racine, Wis. Saw machine. 2,200,894; May 14.
Rateau, Jacques, Montrouge, France. Combined magnetic compass and directional gyroscope. 2,200,431; May 14.
Rattan Manufacturing Company, The. (See Dann, Paul N., assignor.)
Raymond Concrete Pile Company. (See Watt, Elihu D., assignor.)
Raymond, Shedd S., and H. M. Montgomery, Oil City, Pa. Garment finishing, refinishing, and reshaping machine. 2,200,606; May 14.
Reardon, Harvey J., assignor to Classroom Laboratories, Inc., Chicago, Ill. Film-advancing device. 2,200,342; May 14.
Redfern, Alfred H. Birmingham, assignor to Maxolite Holdings Limited, Kingsway, London, England. Dry cell. 2,200,862; May 14.
Reed, Bert, Moorhead, Minn. Pan lifter. 2,200,432; May 14.
Reed, John R., London, assignor of one-half to The Ozalid Company Limited, Westminster, London, England. Apparatus for continuously developing sensitized layers. 2,200,996. May 14.
Reeder, Earl, Portland, Oreg. Bundle clearing chute. 2,201,054; May 14.
Reese, Johannes. (See Greth, A., and Reese.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Reflector Letters Inc. (See Nelson, R. M., and McNeil, assignors.)
Regan, John, trustee. (See Marshall, Leslie H., assignor.)
Reichelt, Lester O. (See Nystrom, A. C., and Reichelt.)
Reichelm, George L., New Haven, and E. Holm and F. A. Kane, Jr., Derby, Conn., and O. C. Funderburk, Weston, Mass., assignors to F. A. Kane, Derby, Conn. Mixing device. 2,200,723; May 14.
Reid, Alexander C., assignor to Leich Electric Company, Genoa, Ill. Control device. 2,201,012; May 14.
Rein, Herbert. (See Kösslinger, K., Klare, and Rein.)
Reingruber, Frank and J., Toronto, Ontario, Canada, assignors to General Thermostat Corporation, New York, N. Y. Automatic flatiron, and thermostatic device for controlling the same. 2,201,115; May 14.
Reingruber, Joseph. (See Reingruber, Frank and J.)
Replogle Globes, Inc. (See Colberg, Olaf A., assignor.)
Republic Steel Corporation. (See Whitmer, Virgil W., assignor.)
Resinous Products & Chemical Company, The. (See Greth, A., and Reese, assignors.)
Retailliau, Edmond R. P. E., Edwardsville, Ill., assignor to Shell Development Company, San Francisco, Calif. Refining hydrocarbon oils. 2,200,703; May 14.
Retailliau, Edmond R. P. E., Edwardsville, Ill., assignor to Shell Development Company, San Francisco, Calif. Refining hydrocarbon oils. 2,200,704; May 14.
Rice, Charles T., Carlsbad, N. Mex. Traffic controlling means for parking lots and one-way drives. 2,200,639; May 14.
Ricefield, Louis, Oak Park, Ill. Coupling. 2,200,640; May 14.
Ricefield, Louis, Oak Park, Ill. Coupling. 2,200,641; May 14.
Richards Chemical Works, Inc., The. (See Ackley, Robert R., assignor.)
Richards, Harry A. (See Varley, Thomas W., assignor.)
Richardson, John N., Chicago, Ill. Cupola charger. 2,200,652; May 14.
Richardson, John N., Chicago, Ill. Furnace charger. 2,200,653; May 14.
Richmond, George G., et al. (See Guderian, Juel F., assignor.)
Richmond, James, et al. (See Guderian, Juel F., assignor.)
Riehl, Frederick W., Denver, Colo. Boiler furnace. 2,200,809; May 14.
Ringrose, Henry T., West Park, Leeds, England. Apparatus for indicating the presence of inflammable vapors or gases. 2,201,055; May 14.
Rio, Clarence J., Tyler, Pa. Shoestring fastener. 2,200,895; May 14.
Rio, Clarence J., Tyler, Pa. Hoist pulley and rope gripper. 2,200,896; May 14.
Ripley, Nathan H., Murphysboro, Ill. Dressing concrete surfaces. 2,200,433; May 14.
Ritter, Heinrich, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline & Film Corporation. Dyeing and printing of acetate artificial silk. 2,200,343; May 14.
Roberts, Clifford, Winchester, and J. B. Hadaway, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Manufacture of shoes. 2,200,375; May 14.
Roberts, Henry T., assignor to Seeburg Radio Corporation, Chicago, Ill. Combined phonograph and radio. 2,200,297; May 14.
Robertson, John L. (See Smith, H. S., and Robertson.)
Robeson Process Company. (See Wallace, Frederick J., assignor.)
Robins, Samuel D., New York, N. Y. Producing gyratory motion. 2,200,724; May 14.
Robinson, Edwin A., Chatham, assignor to National Oil Products Company, Harrison, N. J. Modified fatty alcohol and producing same. 2,200,298; May 14.
Robinson, Edwin A., Chatham, assignor to National Oil Products Company, Harrison, N. J. Fatty alcohol derivative. 2,200,299; May 14.
Rodriguez, Joseph M., Brooklyn, N. Y. Scooter brake. 2,200,935; May 14.
Roe, Ralph C., Englewood, N. J. Refrigeration. 2,201,009; May 14.
Roemer, Fritz. (See Krünzlein, G., and Roemer.)
Rogers, Clifford R. (See Baker, D. B., Rogers, and Bechman.)
Röhm & Haas Company. (See Trommsdorff, Ernst, assignor.)
Rollings, Vernon A., Terre Haute, Ind. Motion-picture projection. 2,200,681; May 14.
Ronkin, Nathan, Elizabeth, N. J. Umbrella. 2,200,897; May 14.
Ronning, Adolph, Minneapolis, Minn. Flatiron. 2,200,455; May 14.
Roper, John M., Washington, D. C. Reflection elimination device. 2,200,300; May 14.
Rosenberg, George, New York, N. Y. Window construction. 2,201,126; May 14.
Rosenthal, Morris G., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Overhead carrier system. 2,201,013; May 14.
Rosenzweig, Siegfried, Long Island City, N. Y. Vibroisolator. 2,200,561; May 14.
Round, Albert A. (See Madge, E. W., Round, and Norcross.)
Rouse, Wallace F., Palo Alto County, Iowa. Loader for grain or the like. 2,200,898; May 14.
Royal, Thomas M., & Company. (See Volksdorf, Hans, assignor.)
Royle, Vernon E., Paterson, N. J. Extruding machine. 2,200,997; May 14.
Ruben, Samuel, New Rochelle, N. Y. Potential-producing cell. 2,200,301; May 14.
Ruben, Samuel, New Rochelle, N. Y. Electrical contact. 2,200,854; May 14.
Ruben, Samuel, New Rochelle, N. Y. Electrical contact. 2,200,855; May 14.
Ruberg, Henry F. (See Grady, G. M., and Ruberg.)
Rudd, Maurice A., North Plainfield, and K. B. Eller, Metuchen, N. J., assignors to Western Union Telegraph Company, New York, N. Y. Frequency doubling telegraph system. 2,200,344; May 14.
Ruesch, Carl E., Sayreville, N. J. Safety windshield. 2,200,936; May 14.
Ruff, Alonzo W., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 2,200,302; May 14.
Ruf, Carl Emil. (See Wild, Eugen, assignor.)
Ruhl, David A., Chicago, Ill. Coupling device. 2,200,654; May 14.
Rule, Bruce H. (See Whitehead, C. L., Chenoweth, Irwin, Duval, Huntley, Rule, and Lewis.)
Runaldue, Lewis R., Pittsfield, Mass., assignor to General Electric Company. Electric circuit control means. 2,200,968; May 14.
Runkel, Philip J., Stevens Point, Wis. Switchboard circuits. 2,200,682; May 14.
Rüsch, Fritz, Lamerbusch, near Hilgen, and P. Sander, Leverkusen-Wiesdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Head of convex barrels. 2,200,520; May 14.
Rushing, Herschel L., Nashville, Tenn. Comb frame for beehives. 2,201,100; May 14.
Rust, John D., Memphis, Tenn. Cotton picking machine. 2,200,303; May 14.
Rust, Noël M., Chelmsford, England, assignor to Radio Corporation of America. Signaling system. 2,200,725; May 14.
Rustless Iron and Steel Corporation. (See Feild, Alexander L., assignor.)
Ruszczyk, John, Norwich, Conn. Counter construction for stitch-down shoes. 2,200,655; May 14.
Ryan, Joseph D., and J. D. Gwyn, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass. 2,200,969; May 14.
Salzmann, Leo. (See Blumer, M., Kessler, and Salzmann.)
Samcoe Holding Corporation. (See Cohn, S., and Walter, assignors.)
Sander, Paul. (See Rüsch, F., and Sander.)

Sandhaas, Wilhelm, Mannheim, W. Daniel, Ludwigshafen-on-the-Rhine, and K. Mühlhausen, Leverkusen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Interpolymerization products of butadiene and a vinyl ethinyl carbinol. 2,200,705; May 14.
Sands, Garry. (See Sands, Hillard J., assignor.)
Sands, Hillard J., assignor to G. Sands, Cleveland, Ohio. Heater. 2,200,304; May 14.
Sargent-Gerke Company. (See Alig, John P., assignor.)
Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Piston seal. 2,200,305; May 14.
Schaefer, Carl A., assignor to Square D Company, Detroit, Mich. Electric switch. 2,200,970; May 14.
Schechter, Milton S., and H. L. J. Haller, Washington, D. C., assignors to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office. Insecticide. 2,200,564; May 14.
Schechter, Philip, Brooklyn, N. Y. Key and keyhole illumination. 2,201,127; May 14.
Scheerer, Georg, Stuttgart-Bad, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Arrangement for drawing fuel out of the induction conduit of internal combustion engines. 2,201,014; May 14.
Schefe, Frederick K., Gary, Ind. Coiling of continuous strip metal. 2,200,656; May 14.
Scheidt, Wilhelm H., Wuppertal-Elberfeld, Germany. Spacing means for bag filters. 2,200,899; May 14.
Schering Corporation. (See Butenandt, A., and Hildebrandt, assignors.)
Schering Corporation. (See Erdmann, Hans, assignor.)
Schering Corporation. (See Schoeller, W., Gehrke, and Hildebrandt, assignors.)
Schirrmeister, Kurt, Leverkusen-Wiesdorf, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of antimony trioxide pigments. 2,200,478; May 14.
Schlick, Heilmut, Burgstadt, Germany. Yarn brake. 2,201,015; May 14.
Schlumberger, Marcel, assignor to Société de Prospection Electrique Procédés Schlumberger, Paris, France. Core taking device. 2,200,683; May 14.
Schmeisser, Hugo, Suhl, Germany. Machine weapon. 2,200,780; May 14.
Schmidt, Edward W. (See Suman, R. W., and Schmidt.)
Schmidt, Karl F. (See Peltier, F. D., and Schmidt.)
Schmidt, Robert E., Elgin, Ill., assignor to Elgin Butter Tub Company. Container construction. 2,200,900; May 14.
Schneider, Wilhelm, and A. Fröhlich, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Compound having reactive methylene groups. 2,200,306; May 14.
Schnuck, Carl F., New Haven, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Hydraulic press. 2,200,998; May 14.
Schoeller, Walter, Berlin-Westend, M. Gehrke, Birkenwerder, near Berlin, and F. Hildebrant, Hohen Neuendorf, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J. Male sex hormone compound. 2,200,307; May 14.
Schouwstra, Pieter. (See Uyterhoeven, W., Verburg, Schouwstra, and Mutsaers.)
Schramm, Carl, North Coventry, assignor to The Smyth Manufacturing Company, Hartford, Conn. Method and means employed in casing-in books. 2,200,345; May 14.
Schuck, Oscar H., Philadelphia, Pa., assignor, by mesne assignments, to Radio Patents Corporation, New York, N. Y. Electrical circuits for controlling and measuring. 2,200,863; May 14.
Shultz, Edward H., Jr., Chicago, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pressed metal sheave. 2,200,245; May 14.
Schulze, Werner. (See Gerecke, E., Deutschbein, and Schulze.)
Schweitzer & Conrad, Inc. (See Triplett, Hugh A., assignor.)
Scott Paper Company. (See Parsons, Philip D., assignor.)
Scott, Robert D., (See Lindley, Charles V., assignor.)
Screw Conveyor Corporation. (See Kozak, Joseph L., assignor.)
Secretary of Agriculture of the United States of America, Henry A. Wallace, and his successors in office. (See Schechter, M. S., and Haller, assignors.)
Seeburg Radio Corporation. (See Roberts, Henry T., assignor.)
Seeley, Eldridge E., Fairfield, Conn. Buffing compound. 2,200,726; May 14.
Seligman, Richard, assignor to The Aluminum Plant & Vessel Company Limited, Point Pleasant, Wandsworth, London, England. Apparatus for pasteurizing liquids. 2,201,056; May 14.
Sengebusch, Hans, Villa Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Desk telephone set. 2,200,810; May 14.
Sepull, Gustave H., Detroit, Mich. Engine hand latch. 2,200,346; May 14.
Shaver, John, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Generator control system. 2,200,376; May 14.
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Refrigerant compressor control. 2,200,657; May 14.
Shell Development Company. (See Bent, F. A., Loomis, and Lawton, assignors.)
Shell Development Company. (See Berry, Hugh R., assignor.)
Shell Development Company. (See Retaillíau, Edmond R. P. E., assignor.)
Shell, Melvin O., assignor of one-half to L. Dawson, Riverton, Iowa. Detachable funnel. 2,200,642; May 14.
Shelton, Elbert M., New Haven, Conn., assignor to The Tannin Corporation, New York, N. Y. Insecticide. 2,200,582; May 14.
Shepard, Cleo E., Chicago, Ill. Making bungs. 2,200,583; May 14.
Sherman, John Q., deceased, and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman; K. M. Sherman, W. C. Sherman, and W. B. Turner, executors. Paper feeding mechanism. 2,200,308; May 14.
Sherman, Katherine M., et al., executors. (See Sherman, J. Q., and Metzner.)
Sherman, William C., et al., executors. (See Sherman, J. Q., and Metzner.)
Sholes, Justin G., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio. Valve handle of compressed gas tanks. 2,200,999; May 14.
Shultz, Clarence R., Independence, Kans. Combination game apparatus. 2,200,456; May 14.
Shultz, Clarence R., Independence, Kans. Target painting device. 2,200,457; May 14.
Siedle, Arnold D., Canton, assignor to The Hoover Company, North Canton, Ohio. Control for refrigerating systems. 2,200,309; May 14.
Siegel, David T., Chicago, Ill. Making resistance elements. 2,200,521; May 14.
Sieger, Lawrence J. (See Wesley, A., and Sieger.)
Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Heymann, Otto, assignor.)
Siemens & Halske Aktiengesellschaft. (See Lill, F., and Pinell, assignors.)
Siemens & Halske Aktiengesellschaft. (See Müller, Konrad, assignor.)
Siemens & Halske Aktiengesellschaft. (See Wolak, Kurt, assignor.)
Simmons, Oliver G., Lakewood, Ohio. Simultaneously finishing cluster gears. 2,200,584; May 14.
Simpson, Kenneth M., New York, N. Y. Preparing ores to facilitate extraction of metals. 2,200,563; May 14.
Singer, Leon, Brooklyn, N. Y. Rreproduction of color photographic designs. 2,201,128; May 14.
Singer Manufacturing Company, The. (See McCann, Michael, assignor.)
Singleton, Clarence S., Longview, Tex. Power transmitting mechanism for motor vehicles. 2,200,658; May 14.
Sinkwich, Vincent J., New York, N. Y. Solution dispensing device. 2,201,101; May 14.
Sisson, James G., and A. H. Starrett, assignors to The L. S. Starrett Company, Athol, Mass. Dial thickness gauge. 2,200,479; May 14.
Siagboom, Louis, Fair Lawn, N. J. Tentering clip. 2,201,000; May 14.
Slagh, Harold R. (See Britton, E. C., and Slagh.)
Slater, Otto K., Jr., Medina, Ohio. Greenhouse construction. 2,200,706; May 14.
Slobody, Peter, San Francisco, Calif. Liquid dispensing device. 2,200,585; May 14.
Smallwood, Hugh M., New York, N. Y., and H. T. Battin, Ridgewood, N. J., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Rotary cutter. 2,200,730; May 14.
Smetana, Joseph R., Sedalia, Mo. Casket placer. 2,201,057; May 14.
Smith, Chesley E., Amherst, Nova Scotia, Canada. Self-adjusting safety ball-sleeve joint. 2,200,643; May 14.
Smith, Clarence E. (See Levy, M. A., and Smith.)
Smith, Dennis W., assignor to Colborne Manufacturing Company, Chicago, Ill. Pie making machine. 2,200,347; May 14.
Smith, Hannah M. (See Keen, Thomas A., assignor.)
Smith, Howard S., Plainville, and J. L. Robertson, Forestville, assignors to The Trumbull Electric Manufacturing Company, Plainville, Conn. Brooder. 2,200,901; May 14.
Smith, Percy W., New York, assignor to General Railway Signal Company, Rochester, N. Y. Automatic train control system for railroads. 2,201,116; May 14.
Smith, Roy A. (See Wilson, R. A., and Smith.)
Smith, Royal C., Wilberforce, Ohio. Starting apparatus. 2,200,781; May 14.
Smyth Manufacturing Company, The. (See Schramm, Carl, assignor.)
Société de Prospection Electrique Procédés Schlumberger. (See Schlumberger, Marcel, assignor.)
Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A. (See Paterna Pescara, Raul, assignor.)
Soher, Le Roy. (See Platt, F. P., and Soher.)
Söllner, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Removal of acid impurities from ammoniacal liquor. 2,200,400; May 14.
Solomon, Harry A., Syracuse, N. Y. Ladder. 2,200,902; May 14.

Solvent Machine Company, trustee. (See Dinley, Clarence F., assignor.)
Sonneborn, John R., Willow Grove, and J. Y. Albertson, Philadelphia, assignors to Stokes and Smith Company, Summerdale, Pa. System for making, filling, and sealing containers. 2,200,971; May 14.
Sonneborn, L., Sons, Inc. (See Blumer, M., Kessler, and Salzmann, assignors.)
Spalding, Thomas R., Chagrin Falls, assignor to The K-W Ignition Corporation, Cleveland, Ohio. Timing device. 2,200,586; May 14.
Spanner, Edward F., Blackheath, London, England. Steam generator or water heater. 2,200,644; May 14.
Specialties Development Corporation. (See Heigis, Henry E., assignor.)
Speer Carbon Company. (See McQueer, Bert H., assignor.)
Sperry Gyroscope Company. (See Bates, Mortimer F., assignor.)
Spiegel, Felix, et al. (See Lorenzen, Robert, assignor.)
Spinelli, Louis, Cleveland, Ohio. Roundabout. 2,200,864; May 14.
Sponge Rubber Products Company, The. (See Daley, F. M., and De Wyk, assignors.)
Springfield Wire & Tinsel Co. (See Neal, Franklin G., assignor.)
Square D Company. (See Schaefer, Carl A., assignor.)
Stallmann, Otto, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 3,3'-Dihalogen-dianthrahydroquinoneazine tetrasulphuric acid esters and making the same. 2,200,480; May 14.
Standard Conveyor Company. (See Towne, A. C., and Tingwall, assignors.)
Standard Oil Company of California. (See Batchelder, Augustus H., assignor.)
Standard Oil Company of California. (See Burton, Alvin A., assignor.)
Standard Oil Company, The. (See Burk, R. E., and Whitacre, assignors.)
Standard Oil Development Company. (See Mounce, Whitman D., assignor.)
Standard Pressed Steel Co. (See Hallowell, Howard T., assignor.)
Standard Railway Equipment Manufacturing Company. (See Gilpin, Garth G., assignor.)
Stannard, Benjamin F., assignor of forty per cent to A. B. Leavelle, Los Angeles, Calif. Closure controlling device. 2,200,865; May 14.
Starrett, Arthur H. (See Sisson, J. G., and Starrett.)
Starrett, L. S., Company. (See Sisson, J. G., and Starrett, assignors.)
Stäubli, Willy, Zurich, Switzerland. Separating closure members stamped from a band. 2,201,058; May 14.
Steblin, Theodore A., San Diego, Calif., assignor to T. C. Mellin, Honolulu, Hawaii. Vehicle wheel brake control. 2,200,659; May 14.
Stein, Leo, Chicago, Ill. Carrying case and frame structure therefor. 2,200,972; May 14.
Steiner, Oscar, Irondequoit, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Focusing illuminating attachment for photographic flash guns, etc. 2,200,458; May 14.
Stephan, Ingo L., Beverly, N. J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Loudspeaker. 2,201,059; May 14.
Stephens, Benjamin F., Tulsa, Okla. Floor furnace. 2,200,645; May 14.
Stephens, Percy W., Chicago, Ill. Valve for pressure cookers. 2,200,903; May 14.
Sticklin, Hugh N., Olympia, Wash. Universal joint oar holder and oarlock. 2,200,565; May 14.
Stokes and Smith Company. (See Sonneborn, J. R., and Albertson, assignors.)
Stoiber, John F., Barlow, N. Dak. Grain treating machine. 2,200,434; May 14.
Stoiper, Harry E., Brooklyn, assignor to Mail & Express Printing Co., Inc., New York, N. Y. Printing press sheet delivery apparatus. 2,200,937; May 14.
Stopford, Charles J. (See Oppegaard, A. G., and Stopford.)
Streicher, Johann S., assignor to The American Platinum Works, Newark, N. J. Catalyzer and preparing it. 2,200,522; May 14.
Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoemaking. 2,200,401; May 14.
Strong, John D., and R. Hayward, Pasadena, Calif. Transparent projection screen. 2,200,646; May 14.
Struck, Henry W., Boston, Mass. Device for operating vehicle controls. 2,200,973; May 14.
Stryker, Albert R., Lawrenceburg, Ind., assignor of one-fourth to C. Tietig, Covington, Ky. Making pure hydrogen. 2,200,607; May 14.
Stuck, Harold D., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Machine for making Jordan shell linings. 2,201,001; May 14.
Sullivan Machinery Company. (See Paget, Win W., assignor.)
Sullivan, William L. (See Porter, T. R., and Sullivan.)
Sulzer Frères, Societe Anonyme. (See Heinzelmann, Hans, assignor.)
Suman, Robert W., and E. W. Schmidt, assignors to Link-Belt Company, Chicago, Ill. Air control for stokers and the like. 2,200,660; May 14.
Summers, Albert E., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for gauging and adjusting springs. 2,200,348; May 14.
Superior Body Company. (See Krogh, Peter O., assignor.)
Surface Combustion Corporation. (See Beggs, Don, assignor.)
Swenson, Gottfrid R., Elgin, Tex. Self-closing gate. 2,200,727; May 14.
Swift & Company. (See Dedlow, Carl, assignor.)
Sylte, Richard E., Chicago, Ill., assignor to Intertype Corporation, Brooklyn, N. Y. Typographical composing machine. 2,200,707; May 14.
Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)
Szekely Company, The. (See Szekely, Otto E., assignor.)
Szekely, Otto E., Elmira, N. Y., assignor to The Szekely Company, Inc. Variable ratio transmission. 2,200,566; May 14.
Talon, Inc. (See Corner, George H. C., assignor.)
Talon, Inc. (See Di Tullio, Ambrolse, assignor.)
Tannin Corporation, The. (See Shelton, Elbert M., assignor.)
Taylor, Edward A. (See Anderson, George K., Taylor, and Fishel.)
Teal, Gordon K. (See Pierce, J. R., and Teal.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bartels, H., and Ulbricht, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Eichelberg, Edmund, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Engbert, Willi, assignor.)
Teletype Corporation. (See Morton, Sterling, assignor.)
Teletype Corporation. (See Potts, Louis M., assignor.)
Tellegen, Bernardus D. H. (See Haantjes, J., and Tellegen.)
Templeton, John B., Dallas, Tex. Barge. 2,200,661; May 14.
Terzian, John G., assignor of one-half to N. G. Terzian, West Medford, Mass. Work support for stitching machines. 2,201,060; May 14.
Terzian, Nishan G. (See Terzian, John G., assignor.)
Tetrault, Victor J., Nashua, N. H., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Inseam shoe sewing machine. 2,200,402; May 14.
Teupel, Ernst, Schkopau, and O. Wahl, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline & Film Corporation. Dyestuffs of the triarylmethane series. 2,200,938; May 14.
Textile Machine Works. (See Hug, Rudolph, assignor.)
Thaheld, Ferl A., assignor to The Gulberson Corporation, Dallas, Tex. Rod guide. 2,200,758; May 14.
Thayer, Clarence H., Wallingford, Pa., and T. B. Prickett, Woodbury, N. J., assignors to Houdry Process Corporation, Wilmington, Del. Apparatus for indicating leakage in valves. 2,200,310; May 14.
Therlault, Joseph G., Milton, Mass. Advertising sign for automobiles. 2,201,002; May 14.
Thervac Products, Inc. (See Lieber, Isaac, assignor.)
Thexton, Arthur L., Fort Thomas, Ky., assignor to Clopay Corporation, Cincinnati, Ohio. Paper window shade. 2,200,481; May 14.
Thomas, Alden P., assignor to The Timken Roller Bearing Company, Canton, Ohio. Governor. 2,200,459; May 14.
Thomas, Laurence H. (See Kuhn, F., and Thomas.)
Thomas, Max. (See Krefft, H., Larché, and Thomas.)
Thompson, Edward A., assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,200,811; May 14.
Thompson, Lincoln, Stamford, Conn. Apparatus for recording sound on thin disks. 2,200,866; May 14.
Thrasher, Hoyt S., Birmingham, Ala. Broom holder. 2,200,435; May 14.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Stabilizing of oil. 2,201,061; May 14.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Medicinal preparation. 2,201,062; May 14.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Shortening. 2,201,063; May 14.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Phosphatide composition. 2,201,064; May 14.
Tietig, Chester. (See Stryker, Albert R., assignor.)
Timken Roller Bearing Company, The. (See Thomas, Alden P., assignor.)
Tingwall, Lloyd G., Sr. (See Towne, A. C., and Tingwall.)
Tips Tool Co. (See Bodendieck, Henry W., assignor.)
Tirrell, Leslie L., Benton Harbor, Mich., assignor to The Hydroblast Corporation, Chicago, Ill. Method and apparatus for sand blasting. 2,200,587; May 14.
Titan Company. (See Oppegaard, A. J., and Stopford, assignors.)
Toolan, James J., Schenectady, N. Y. Faucet adapter. 2,201,065; May 14.
Tootal Broadhurst Lee Company Limited. (See Wood, Friedrick C., assignor.)
Toulon, Pierre M. G., Puteaux, France. Screen television receiver. 2,201,066; May 14.

Towne, Albert C., Kenmore, N. Y., and L. G. Tingwall, Sr., Lake Bluff, Ill., assignors to Standard Conveyor Company, North St. Paul, Minn. Bar feeding machine. 2,200,708; May 14.
Trautmann, Otto E. (See Diggins, B. A., and Trautmann.)
Trautmann, Otto E. (See Perkins, W. T., and Trautmann.)
Travis, Paul H., Detroit, Mich. Door check. 2,200,567; May 14.
Trebbin, George, Berlin-Spandau, W. Ledig, Berlin-Lichtenrade, and H.-J. Helwig, Berlin-Schoneberg, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,200,939; May 14.
Trembly, Garrett H. (See Louis, Fred T., assignor.)
Trevaskis, Henry. (See Beharrell, G. E., Wright, and Trevaskis.)
Tri-Clover Machine Company. (See Hinrichs, Ferdinand, assignor.)
Triplett, Hugh A., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse. 2,200,608; May 14.
Trommsdorff, Ernst, Jugenheim-on-the-Bergstrasse, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa. Organogel. 2,200,709; May 14.
Trumbull Electric Manufacturing Company, The. (See Smith, H. S., and Robertson, assignors.)
Tuel, William G., Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc. Gas detector. 2,200,523; May 14.
Turner, Edward T., Dayton, Ohio. Steam generator. 2,200,759; May 14.
Turner, Wellmore B., et al., executors. (See Sherman, J. Q., and Metzner.)
Ulbricht, Günther. (See Bartels, H., and Ulbricht.)
Underwood Elliott Fisher Company. (See Neidich, Samuel A., assignor.)
Unger, Paul O., Elmhurst, and F. D. Wedge, Lombard, assignors to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,200,460; May 14.
Union Oil Company of California. (See Bray, Ulric B., assignor.)
United Shoe Machinery Corporation. (See Bartholomew, E. L., and Paine, assignors.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See Davis, Hiotte A., assignor.)
United Shoe Machinery Corporation. (See Doyle, Thomas J., assignor.)
United Shoe Machinery Corporation. (See Eich, Frank A., assignor.)
United Shoe Machinery Corporation. (See Roberts, C., and Hadaway, assignors.)
United Shoe Machinery Corporation. (See Stritter, Karl A., assignor.)
United Shoe Machinery Corporation. (See Tetrault, Victor J., assignor.)
U. S. Bobbin & Shuttle Company. (See Jennings, William E., assignor.)
United States Rubber Company. (See Battin, Harold T., assignor.)
United States Rubber Company. (See Howland, Louis H., assignor.)
United States Rubber Company. (See Messer, W. E., and Bassford, assignors.)
United States Rubber Company. (See Smallwood, H. M., and Battin, assignors.)
Universal Chain Co. (See Augenstein, Eugen, assignor.)
Useelman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Modulator. 2,201,016; May 14.
Uyterhoeven, Willem, C. Verburg, P. Schouwstra, and J. P. M. Mutsaers, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge device. 2,200,940; May 14.
Van Ackeren, Joseph, Pittsburgh, Pa., assignor to Koppers Company. Coking retort oven. 2,200,377; May 14.
Van Ackeren, Paul, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Coke oven door or the like. 2,200,403; May 14.
Van Blarcom, Charles W., and W. A. Harris, Boonton, N. J. Truck tail-gate lift. 2,200,436; May 14.
Vanderploeg, Henry, assignor to Haggard and Marcusson Company, Chicago, Ill. Convertible chaise cot-bed. 2,200,647; May 14.
Van Derveer, Clarence A., and E. J. Beck, Michigan City, Ind., assignors, by mesne assignments, to S. Karpen & Bros. Revolving car seat. 2,200,904; May 14.
Van Voorhees, Harold E., Detroit, Mich., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Hinge. 2,200,311; May 14.
Van Voorhees, Harold E., Detroit, Mich., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Hinge. 2,200,312; May 14.
Varley, Thomas W., Westerleigh, Staten Island, N. Y., assignor to H. A. Richards, Stamford, Conn., Announcing system. 2,200,461; May 14.
Varley, Thomas W., Staten Island, N. Y., assignor to H. A. Richards, Stamford, Conn. Microphone system. 2,200,462; May 14.
Verburg, Cornelis. (See Uyterhoeven, W., Verburg, Schouwstra, and Mutsaers.)
Vickers Incorporated. (See Herman, Kenneth R., assignor.)
Viking Instruments, Inc. (See David, Alan C., assignor.)
Vogt, Henry, Machine Co. (See Kubaugh, Benjamin F., assignor.)
Vogt, Lucien E., assignor to Farrington Manufacturing Company, Boston, Mass. Display case. 2,200,404; May 14.
Vogt, Richard R., South Bend, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing sodium acetylide. 2,200,941; May 14.
Volksdorf, Hans, assignor to Thomas M. Royal & Company, Philadelphia, Pa. Closing bags. 2,200,313; May 14.
Vollbrecht, Arthur, Saginaw, Mich. Passenger carrying amusement device. 2,200,684; May 14.
Vollmer, Anton, Berlin-Tegel Germany, assignor to Metal & Thermit Corporation, Carteret, N. J. Detinning. 2,200,782; May 14.
Vollmer, Frieda, assignor of one-half to K. Vollmer, New York, N. Y. Sun hat. 2,200,783; May 14.
Vollmer, Karl. (See Vollmer, Frieda, assignor.)
Von Hessert, Gerhard. (See Werner, Guenther, assignor.)
Voss, Arthur, Frankfort-on-the-Main-Hochst, and W. Heuer, deceased, by J. A. A. Heuer, administratrix, Hofheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Highly viscous polymerization products and preparing them. 2,200,437; May 14.
Voss, John H., Downers Grove, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,200,856; May 14.
Wagner Electric Corporation. (See Boldt, Werner F., assignor.)
Wagner Electric Corporation. (See Fites, Cyril B., assignor.)
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Wagner Electric Corporation. (See Welchsel, Hans, assignor.)
Wahl, Ottmar. (See Teupel, E., and Wahl.)
Waldinger, Maurice J., Flushing, N. Y. Fountain pen. 2,200,648; May 14.
Walker, Bernard F., Cedarhurst, assignor to Metaplast Corporation, New York, N. Y. Stencil. 2,200,314; May 14.
Walker, Brooks, Piedmont, Calif. Venetian blind. 2,200,349; May 14.
Walker, Howard, assignor to Bendix Radio Corporation, Chicago, Ill. Control apparatus. 2,200,728; May 14.
Walker, Walter O. (See Ehman, P. J., and Walker.)
Wallace, Fredrick J., Erie, Pa., assignor to Robeson Process Company, New York, N. Y. Flocculating aqueous liquids. 2,200,784; May 14.
Walsh, George C. (See Fox, F. S., Jr., and Walsh.)
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Ink. 2,200,974; May 14.
Walter, Jules G. (See Cohn, S., and Walter.)
Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges. (See Geiser, Hans D., assignor.)
Ward, Sena M., New York, N. Y. Detachable retaining means. 2,200,812; May 14.
Wardle, James B., Toronto, Ontario, Canada. Anchoring clip for artificial brick siding and the like. 2,200,649; May 14.
Warner Bros. Pictures, Inc. (See Adams, L. J., and Bracken, assignors.)
Warner Bros. Pictures, Inc. (See Haskins, Byron C., assignor.)
Warren, Otey Y., Garden City, N. Y. Container. 2,200,813; May 14.
Warwick Chemical Co. (See Papini, Henry, assignor.)
Warwick Chemical Company. (See Katz, Jacob, assignor.)
Waterbury Buckle Company. (See Painter, Walter S., assignor.)
Waterbury Tool Company, The. (See Thompson, Edward A., assignor.)
Watson, Frank H., Jonesboro, Ark., assignor, by mesne assignments, to Jenkins Bros., Bridgeport, Conn. Valve stem. 2,200,785; May 14.
Watson, Glenn W., assignor to Penweld Corporation, Detroit, Mich. Heat treatment of food. 2,200,406; May 14.
Watson, Glenn W., and E. C. Brannas, assignors to Penweld Corporation, Detroit, Mich. Electrical method and apparatus for preparing food. 2,200,405; May 14.
Watt, Elihu D., Plainfield, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. H-beam composite pile. 2,200,524; May 14.
Weaver, Harry E., South Euclid, Ohio, assignor to Bailey Meter Company. Meter. 2,200,378; May 14.
Wedge, Fred D. (See Unger, P. O., and Wedge.)
Weedon, Charles B., Highland Park, Mich. Storm window. 2,200,568; May 14.
Week, Edmund R., Jr., Oakland, Calif. Piston ring forming apparatus. 2,200,609; May 14.
Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Overhead carrier system. 2,201,017; May 14.
Welchsel, Hans, Webster Groves, assignor to Wagner Electric Corporation, St. Louis, Mo. Gas supply apparatus for fluid tanks. 2,200,610; May 14.

Weiland, Joseph, assignor to The Butler-Weiland Corporation, Anderson, Ind. Tiling. 2,201,129; May 14.
Weimer, Raymond S., Morris, Ill. Excavator. 2,200,315; May 14.
Weisberg, Louis. (See Hubbell, J. P., and Weisberg.)
Welch, Arthur R., Hoquiam, Wash. Composite board. 2,200,650; May 14.
Welch, Columbus F., Hialeah, Fla. Riveting tool. 2,200,662; May 14.
Welch, Leon E., Detroit, Mich. Self-striking fishing leader. 2,200,651; May 14.
Weltmer, Tracy C., assignor, by mesne assignments, to Interstate Bakeries Corporation, Kansas City, Mo. Cake package or the like. 2,200,867; May 14.
Wenzel, Edwin H. (See Ericson, W. M., and Wenzel.)
Werner, Guenther, Peiping, China, assignor to G. Von Hessert, New York, N. Y. Repeating photographic flashlight. 2,200,350; May 14.
Wesley, Arthur, Chicago, and L. J. Sieger, Cicero, assignors to Burton-Dixie Corporation, Chicago, Ill. Spring cushion. 2,200,942; May 14.
West, John W., Maplewood, N. J. Radiator control for steam heating system. 2,200,729; May 14.
Western Electric Company. (See Barrans, W. T., and Cole, assignors.)
Western Electric Company. (See Bohannon, William B., assignor.)
Western Electric Company. (See Burdick, Earl F., assignor.)
Western Electric Company. (See Cross, R. P., Jr., and Ogden, assignors.)
Western Electric Company. (See Keating, Herbert S., assignor.)
Western Electric Company. (See Martin, Victor S., assignor.)
Western Electric Company. (See Nystrom, A. C., and Reichelt, assignors.)
Western Electric Company. (See Summers, Albert E., assignor.)
Western Union Telegraph Company. (See Rudd, M. A., and Eller, assignors.)
Westinghouse Electric & Manufacturing Company. (See Berkey, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Deuch, Edward C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ehrgott, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Ford, James G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kilgore, Lee A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ludwig, Leon R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Porter, T. R., and Sullivan, assignors.)
Westinghouse Electric & Manufacturing Company. (See Procter, Richard H., assignor.)
Wetmore, Elbert L. (See Mitchel, C. L., and Wetmore.)
Whitacre, Charles H. (See Burk, R. E., and Whitacre.)
White, Clarence, Walnut Park, Calif. Packing for piston rods. 2,200,760; May 14.
White, S. S., Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)
Whitehall Patents Corporation. (See Morin, L. H., and Marinsky, assignors.)
Whitehead, Cecil L., Pasadena, R. M. Chenoweth, West Los Angeles, E. M. Irwin, R. H. Duvall, W. P. Huntley, and B. H. Rule, Pasadena, and G. E. Lewis, Alhambra, assignors to C-W-B Development Co., Los Angeles, Calif. Business dictating system. 2,200,351; May 14.
Whitehurst, George D. (See Perry, Judson A., assignor.)
Whitmer, Virgil W., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Making metal articles with handles. 2,201,067; May 14.
Whitten, Owen M., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming annular blanks to a predetermined cross sectional contour. 2,200,569; May 14.
Wieking, William C., Woodhaven, and A. Baumgartner, Hollis, assignors to R. Hoe & Co., Inc., New York, N. Y. Control apparatus for printing machines. 2,200,316; May 14.
Wild, Eugen, assignor to the firm Carl Emil Ruf, Pforzheim, Germany. Pencil. 2,201,117; May 14.
Williams, Edmond G. (See Perrin, M. W., Fawcett, Paton, and Williams.)
Williams, Robert D., Memphis, Tenn., assignor to Fairbanks, Morse & Co., Chicago, Ill. Utilization of waste engine heat. 2,200,379; May 14.
Willing, Joseph E., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,201,018; May 14.
Wilson, Allan M, Clydebank, Scotland. Soot blower. 2,200,663; May 14.
Wilson-Jones Company. (See Unger, P. O., and Wedge, assignors.)
Wilson Lighting Inc. (See Wilson, Wesley, assignor.)
Wilson, Robert A., and R. A. Smith, assignors to Kibele Manufacturing Company, Dallas, Tex. Well pumping device. 2,200,943; May 14.
Wilson, Wesley, assignor to Wilson Lighting Inc., Chicago, Ill. Lighting fixture. 2,200,611; May 14.
Winans, Charles F., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Antioxidant. 2,200,525; May 14.
Wingfoot Corporation. (See Hardman, Albert F., assignor.)
Wingfoot Corporation. (See Winans, Charles F., assignor.)
Wingfoot Corporation. (See Wolfe, William D., assignor.)
Winslow, Charles C., Long Beach, Calif. Rock bit. 2,200,482; May 14.
Wintercorn, Andrew F., and E. P. McCanna, assignors to The Atwood Vacuum Machine Company, Rockford, Ill. Hinge. 2,200,317; May 14.
Wintritz, George, Staten Island, assignor to Conmar Products Corporation, Bayonne, N. J. Manufacture of slide fasteners. 2,201,068; May 14.
"Wistra", Ofenbau Gesellschaft mit beschrankter Haftung. (See Kinder, Theodor, assignor.)
Wolak, Kurt, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 2,200,814; May 14.
Wolfe, William D., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Age resistor. 2,200,526; May 14.
Wolff, Hanns-Heinz, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Television transmission. 2,201,009; May 14.
Wood, Frederick C., assignor to Tootal Broadhurst Lee Company Limited, Manchester, England. Textile-finishing process. 2,200,944; May 14.
Wood, Henry A. W., assignor to The Wood Newspaper Machinery Corporation, New York, N. Y. Tensioning means. 2,200,438; May 14.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web splicing device. 2,200,905; May 14.
Wood, James R. (See Harroid, C. W., and Wood.)
Wood Newspaper Machinery Corporation, The. (See Wood, Henry A. W., assignor.)
Wood, Thomas, St. Helens, England. Manufacture of alkali metals and alkali metal hydroxides. 2,200,906; May 14.
Woodruff, Albert E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Generator. 2,200,612; May 14.
Woodson, James C., assignor to Lee Wilson Sales Corporation, Cleveland, Ohio. Heating apparatus. 2,200,731; May 14.
Woodson, James C., assignor to Lee Wilson Sales Corporation, Cleveland, Ohio. Apparatus for annealing strip. 2,200,732; May 14.
Wright, Joseph. (See Beharrell, G. E., Wright, and Trevaskis.)
Wylde, Joseph R. (See Finlayson, D., and Wylde.)
Yonkers, William A., assignor to The Dole Valve Company, Chicago, Ill. Valve, self-closing against pressure. 2,200,318; May 14.
York Ice Machinery Corporation. (See Lehman, Edward G., assignor.)
York Ice Machinery Corporation. (See Leonard, William D., assignor.)
York Ice Machinery Corporation. (See Ruff, Alonzo W., assignor.)
Young, Charles A., Springfield, Ohio. Firearm. 2,200,868; May 14.
Young, Fred M., Racine, Wis. Heat exchanger coreshield. 2,200,527; May 14.
Zalkind, Philip, New York, N. Y. Roller casing. 2,200,319; May 14.
Zalkind, Philip, New York, N. Y. Collapsible container. 2,200,320; May 14.
Zint, George, Wapakoneta, Ohio. Railway crossing signal switch. 2,200,570; May 14.
Zintsmaster, Tim, Cleveland Heights, Ohio. Engine-throttle control. 2,201,070; May 14.
Zotter, John J., Brooklyn, N. Y. Fuel consumption tester. 2,201,019; May 14.
Zuccarello, William E., assignor to The Macarello Corporation, Jacksonville, Fla. Antistatic receiving system. 2,200,613; May 14.
Zwilgmeyer, Frithjof. (See Dahlen, M. A., and Zwilgmeyer.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Extractor, Tomato juice. W. C. McNitt. Re. 21,449; May 14.
Hydrogenation of olefin polymers. E. D. Pyzel. Re. 21,450; May 14.
Hydrogenation process. R. J. Byrkit, Jr. Re. 21,448; May 14.
Vending machine. A. H. Woodward, W. E. Richmond, and E. H. Thompson. Re. 21,451; May 14.

LIST OF PLANT INVENTIONS

Carnation, Pink. M. Okada. 398; May 14.
Carnation, Red. M. Okada. 399; May 14.
Rose plant. A. Couteau. 400; May 14.
Rose plant. R. M. Hatton. 396; May 14.
Rose plant. W. Kordes. 395; May 14.
Violet. J. I. Dearborn. 397; May 14.

LIST OF DESIGN INVENTIONS

Arm for lamp fixtures. A. O. Elting. 120,545–6; May 14.
Ashtray. J. K. Boyd. 120,541; May 14.
Automobile. H. A. Darrin. 120,482; May 14.
Battery tester. L. A. Blazey. 120,523–4; May 14.
Board, Game. L. Kuchin, Jr. 120,486; May 14.
Bottle. H. C. Berkowitz. 120,538; May 14.
Bottle. J. Sochurek. 120,558; May 14.
Bottle, Milk. C. E. Pope. 120,555; May 14.
Bowl or similar article. W. O. Prouty. 120,513; May 14.
Box, Cigar. A. A. Schwarz. 120,557; May 14.
Bracelet. A. Philippe. 120,590; May 14.
Bracelet. A. Philippe. 120,593; May 14.
Button. S. Holstein. 120,506–7; May 14.
Cabinet for frozen food or the like, Combined display and dispensing. W. McK. Baird. 120,476; May 14.
Camera. O. K. Cazin. 120,583; May 14.
Camera and illuminating device, Combination. A. J. Kunze. 120,510; May 14.
Casing for a check writing machine or similar article. W. B. Payne and H. Dreyfuss. 120,520; May 14.
Casing for a combined milk can washer, sterilizer, and drier. W. S. Campbell. 120,542; May 14.
Charger and tester, Battery. L. A. Blazey. 120,522; May 14.
Chessmen. H. V. Chase. 120,499; May 14.
Clip, Pin. A. Philippe. 120,572–5; May 14.
Clip, Pin. J. Wuyts. 120,560; May 14.
Clock, Wall. F. Lux. 120,511; May 14.
Container, Cigarette. M. A. Vendig. 120,559; May 14.
Coupling, Pipe. W. R. Wilson. 12,495; May 14.
Display unit or similar article, Advertising. C. J. Strauss. 120,596; May 14.
Dress. L. Beilinson. 120,597; May 14.
Dress. M. Birnbaum. 120,598–9; May 14.
Dress. P. Calick. 120,600; May 14.
Dress. Grossman, Samuel. 120,564; May 14.
Dress. M. Haon. 120,483; May 14.
Dress. J. J. Kuehner. 120,601–2; May 14.
Dress. C. M. Neuhardt. 120,603; May 14.
Dress. S. Novak. 120,605–6; May 14.
Dress. R. Richman. 120,607; May 14.
Dress. S. Ruchman. 120,608; May 14.
Dress. S. Schwartz. 120,577–80; May 14.
Dress ensemble. A. Henry. 120,565; May 14.
Dress ensemble. S. King. 120,566–7; May 14.
Dress ensemble. S. Novak. 120,604; May 14.
Enlarger. H. R. Habig. 120,505; May 14.
Fabric, Drapery. H. Josephson. 120,508; May 14.
Fabric or similar article, Textile. W. E. Barrott. 120,496; May 14.
Fabric or similar article, Textile. M. L. Cohen. 120,584; May 14.
Fabric or similar article, Textile. W. Steffen. 120,517; May 14.
Fabric or similar article, Textile. M. Turpan. 120,519; May 14.
Fabric, Textile. G. J. Finnegan. 120,502–3; May 14.
Fabric, Textile. L. Kalman. 120,509; May 14.
File and powder scoop, Combined finger nail. R. C. Buffum. 120,525; May 14.
Fixture, Fluorescent lighting. E. F. Guth. 120,548; May 14.
Frame, Goggle. J. C. Foster. 120,504; May 14.
Frame or the like, Handbag. W. J. Reilly. 120,595; May 14.
Garment cleaning unit. C. Dahlberg. 120,481; May 14.
Glider. C. H. Oermann. 120,528; May 14.
Gown, Evening. H. Berman. 120,561–2; May 14.
Grille guard, Automobile. T. J. Scofield. 120,532; May 14.
Guard, Grille. G. F. Bahr. 120,521; May 14.
Holder, Key. S. G. Lipic. 120,568; May 14.
Holder, Paper napkin. P. Tresenberg. 120,518; May 14.
Hopper and feed control unit for an acetylene generator, Combined carbide. C. H. Baker. 120,477; May 14.
Imprinting machine or similar article, Check. G. L. Pierce. 120,530; May 14.
Jar. E. A. Hinkins. 120,587; May 14.
Lamp. E. S. Lynch. 120,554; May 14.
Lamp and mirror or similar article, Combination. H. B. Gross. 120,527; May 14.
Lamp base. J. Kernes. 120,553; May 14.
Lamp fixture, Fluorescent. O. H. Biggs and C. F. MacCarthy. 120,563; May 14.
Leg for a table or similar article, Supporting. M. H. Levine. 120,487; May 14.
Lighting fixture. T. A. Carter, Jr. 120,544; May 14.
Mitten. L. Postmen. 120,576; May 14.
Necklace. A. Philippe. 120,589; May 14.
Necklace. A. Philippe. 120,591–2; May 14.
Necklace. A. Philippe. 120,594; May 14.
Paper, Wrapping. J. E. Vivaudou and H. G. Lubin. 120,520; May 14.
Phonograph, Commercial. W. F. Feyrer. 120,501; May 14.
Pin or similar article. M. Boucher. 120,539–40; May 14.
Pipe. G. T. Ash. 120,536; May 14.
Pipe or similar article. L. J. Robertson. 120,556; May 14.
Pitcher. E. Haub. 120,484; May 14.
Pitcher or similar article. W. O. Prouty. 120,514; May 14.
Plate whirler. G. W. Tammen. 120,581; May 14.
Pump. T. G. Beckett. 120,537; May 14.
Pump or the like, Fluid. G. W. Tammen. 120,533; May 14.
Pump unit, Portable fire. R. D. Kaul. 120,552; May 14.
Purse, Convertible. M. Hall. 120,586; May 14.
Rack, Display. J. N. Hollingsworth. 120,485; May 14.
Rack, for cups, saucers, or the like. H. J. Watral. 120,494; May 14.
Reading glass. L. F. Chapoton. 120,498; May 14.
Receptacle for batteries and similar articles. O. B. Carson. 120,526; May 14.
Reflector signal device or the like. J. C. Haggart, Jr. 120,549–51; May 14.
Ring, Finger. H. R. and A. P. Terryberry. 120,492–3; May 14.
Saltcellar or similar container. H. C. Gessler. 120,547; May 14.
Saw, Electric hand. G. T. Wax. 120,534; May 14.
Scarf, Snood. A. M. Grean. 120,585; May 14.
Shoe. H. B. Delman. 120,500; May 14.
Shoe. G. J. Mosher. 120,588; May 14.
Shoe. J. Roman. 120,515–16; May 14.
Shoe or similar article. E. D. Packard. 120,512; May 14.
Sign, Clock. M. W. Lewis, F. Johanson, and D. R. Pennell. 120,488; May 14.
Sink, Platemaker's. G. W. Tammen. 120,582; May 14.
Sound and picture reproducing apparatus, Portable combined. V. J. Boor and A. J. Bradford. 120,497; May 14.

Stand for material for wall coverings, floorings, rugs, or the like, Display. C. E. Stephenson. 120,491; May 14.
Stocking. R. Carafa. 120,543; May 14.
Table, Play. H. Zimmerman. 120,535; May 14.
Toy. A. Bollak. 120,479; May 14.
Toy, Swinging target. A. Schillace and W. J. Daily. 120,490; May 14.
Tray, Ice. C. R. Carney. 120,480; May 14.
Tube for oil burners or the like, Air. R. W. Beckett. 120,478; May 14.
Vaporized, Electric. J. Robinson. 120,531; May 14.
Walker and stroller or similar article, Combination child's. L. Peltier. 120,571; May 14.
Walker or similar article, Baby's. L. Peltier. 120,569–70; May 14.
Wrench. A. J. Musselman. 120,489; May 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerator and brake control, Combination. S. E. Anderson. 2,200,685; May 14.
Acid compound, Barbituric. W. G. Bywater. 2,200,538; May 14.
Acid impurities from ammoniacal liquor, Removal of. H. Söllner. 2,200,400; May 14.
Acids, Making fatty. H. Kaufmann. 2,200,279; May 14.
Acids, Refining naphthenic. H. R. Berry. 2,200,711; May 14.
Adiponitrile, Vapor phase catalytic hydrogenation of. W. A. Lazier. 2,200,282; May 14.
Adjuster, Automatic. H. C. Bowen. 2,200,910; May 14.
Aerial mapping. Method and apparatus for. B. A. Diggins and O. E. Trautmann. 2,200,594; May 14.
Agar-agar flakes, Preparing. T. W. Halliday. 2,200,774; May 14.
Age resistor. W. D. Wolfe. 2,200,526; May 14.
Air conditioning method and apparatus. C. M. Ashley. 2,200,945; May 14.
Air conditioning system. A. B. Newton and J. S. Locke. 2,200,243; May 14.
Air control for stokers and the like. R. W. Suman and E. W. Schmidt. 2,200,660; May 14.
Air heater, Indirect. H. L. Grapp. 2,200,549; May 14.
Air regulating means for fire boxes, Combustion. V. F. Clark. 2,200,915; May 14.
Airplanes, System for landing. W. M. Hahnemann. 2,200,249; May 14.
Alcohol and producing same, Modified fatty. E. A. Robinson. 2,200,298; May 14.
Alcohol composition, Denatured. P. Mahler and C. Haner. 2,201,108–9; May 14.
Alcohol containing an acetylated hardwood oil, Denatured. L. J. Figg, Jr. 2,200,879; May 14.
Alcohol derivative, Fatty. E. A. Robinson. 2,200,299; May 14.
Amusement device, Passenger carrying. A. Vollbrecht. 2,200,684; May 14.
Anchor. P. F. Kaut. 2,200,695; May 14.
Animal trap. M. R. Clover. 2,200,617; May 14.
Announcing system. T. W. Varley. 2,200,461; May 14.
Anode material for electrithermically modulable radiators, Production of. M. E. Lattmann. 2,200,846; May 14.
Antenna mast. C. T. Mason. 2,200,338; May 14.
Antenna system. C. W. Martin. 2,200,396; May 14.
Anthrachrysone-2,6-dialdehyde and preparing the same. G. Kränzlein and F. Roemer. 2,200,957; May 14.
Antioxidant. L. H. Howland. 2,200,747; May 14.
Antioxidant. C. F. Winans. 2,200,525; May 14.
Antistatic receiving system. W. E. Zuccarello. 2,200,613; May 14.
Apparatus and method of eliminating signal fading. L. D. Eckard. 2,200,789; May 14.
Apparatus for and method of separating seeds. F. C. Dyer and A. W. Campbell. 2,200,771; May 14.
Apparatus for annealing strip. J. C. Woodson. 2,200,732; May 14.
Apparatus for assembling sealing pads in receptacle closure caps. J. A. Johnson. 2,200,844; May 14.
Apparatus for color photography. L. Cristiani and G. Mascarini. 2,200,466; May 14.
Apparatus for color photography. L. Cristiani. 2,200,467; May 14.
Apparatus for conditioning the surfaces of metal bodies. J. H. Bucknam, A. J. Miller, and A. M. Keller. 2,200,259; May 14.
Apparatus for continuously developing sensitized layers. J. R. Reed. 2,200,996; May 14.
Apparatus for freezing berries. A. R. Fisher. 2,200,331; May 14.
Apparatus for indicating leakage in valves. C. H. Thayer and T. B. Prickett. 2,200,310; May 14.
Apparatus for indicating the presence of inflammable vapors or gases. H. T. Ringrose. 2,201,055; May 14.
Apparatus for making decorative fabric. T. E. Carroll. 2,200,327; May 14.
Apparatus for making insulated electro-magnetics. E. H. Branson. 2,201,130; May 14.
Apparatus for making photoprints. W. H. Morgan. 2,200,719; May 14.
Apparatus for making tiles from clay products. R. M. Flores. 2,200,270; May 14.
Apparatus for manufacturing pipes from a cementitious composition. J. Ferla. 2,200,268; May 14.
Apparatus for measuring ultraviolet radiations. T. R. Porter and W. L. Sullivan. 2,200,853; May 14.
Apparatus for molding plastic objects of irregular shape. C. H. O'Koomian. 2,200,634; May 14.
Apparatus for operating upon heel-portions of shoes. F. A. Eich. 2,200,386; May 14.

Apparatus for pasteurizing liquids. R. Seligman. 2,201,056; May 14.
Apparatus for photographing documents. F. E. Oller. 2,201,009; May 14.
Apparatus for protecting surfaces from ice formation. E. F. Field. 2,200,838; May 14.
Apparatus for recording sound on thin disks. L. Thompson. 2,200,866; May 14.
Apparatus for removal of surface metal from slabs, billets or the like. J. L. Anderson. 2,200,816; May 14.
Apparatus for sound recordation. O. M. Dunning and C. T. Jacobs. 2,200,918; May 14.
Apparatus for testing vision. B. A. Diggins. 2,200,595; May 14.
Apparatus for welding. H. C. Lockwood. 2,200,887; May 14.
Apparatus of combustion. J. S. Peoples. 2,200,861; May 14.
Applicator tool, Casing protector. J. E. Hall. 2,200,716; May 14.
Arc lamp, Twin. E. G. Ashcraft. 2,200,483; May 14.
Arc welding system. H. L. Mills. 2,200,632; May 14.
Article of footwear. E. W. Herzog and C. J. Futter. 2,200,333; May 14.
Asphalt, Manufacture of improved. R. E. Burk and C. H. Whitacre. 2,200,914; May 14.
Asphalt mixing plant construction, Portable. R. B. Berner. 2,200,589; May 14.
Asphaltic composition and preparing same. A. H. Batchelder. 2,200,484; May 14.
Atomizer. C. C. Daggett. 2,201,029; May 14.
Attachment for photographic flash guns, etc., Focusing illuminating. O. Steiner. 2,200,458; May 14.
Autographic resistor. W. C. Pfeiffer. 2,200,638; May 14.
Azo compounds and material colored therewith. J. B. Dickey and J. G. McNally. 2,200,543; May 14.
Back rest for use in a bathtub. A. M. Haas. 2,200,247; May 14.
Backing device for propeller-driven vessels. N. J. Didriksen. 2,200,836; May 14.
Bags, Method of closing. H. Volksdorf. 2,200,313; May 14.
Baking shell, Pearl. M. Botkin and C. F. Nord, Sr. 2,200,325; May 14.
Ball-sleeve joint, Self-adjusting safety. C. E. Smith. 2,200,643; May 14.
Bar feeding machine. A. C. Towne and L. G. Tingwall, Sr. 2,200,708; May 14.
Barge. J. B. Templeton. 2,200,661; May 14.
Barrels, Head of convex. F. Rüsch and P. Sander. 2,200,520; May 14.
Base, Wreath. H. G. Bufton. 2,200,948; May 14.
Basket machine. W. F. Newhouse. 2,200,560; May 14.
Baudelot water cooler. E. G. Lehman. 2,200,426; May 14.
Binder, Loose-leaf. P. O. Unger and F. D. Wedge. 2,200,460; May 14.
Binder mechanism, Loose-leaf. J. Cooper. 2,201,026; May 14.
Binding method and apparatus, Loose-leaf. E. N. Farkas. 2,200,877; May 14.
Bis-pyrazolonyl color former. A. B. Jennings and E. B. Middleton. 2,200,924; May 14.
Bit: *See*—
  Drill bit. Rock bit.
Blanks to a predetermined cross sectional contour, Forming annular. O. M. Whitten. 2,200,569; May 14.
Blind, Venetian. B. Walker. 2,200,349; May 14.
Blinds, Manufacture of Venetian. R. C. Pierce. 2,200,605; May 14.
Blower, Soot. A. M. Wilson. 2,200,663; May 14.
Blowing agent for sponge rubber. A. F. Hardman. 2,200,473; May 14.
Boards, Composite. A. R. Welch. 2,200,650; May 14.
Boiler furnace. F. W. Riehl. 2,200,809; May 14.
Boiler washer, Automatic. W. L. Pearce. 2,200,296; May 14.
Books, Method and means employed in casing-in. C. Schramm. 2,200,345; May 14.
Bookbinder. G. W. Newman. 2,200,364; May 14.
Boom, Spill. L. G. Hook. 2,200,552; May 14.
Boron carbide composition and making the same. J. A. Boyer. 2,200,258; May 14.
Bowl, Toilet. F. L. Bercot. 2,200,687; May 14.
Bowling alley. D. B. Hinckley. 2,200,551; May 14.
Box: *See*—
  Starting box.
Box, and packaging therein, Lined display. R. M. Bergstein. 2,200,818; May 14.

Box connector. P. N. Dann. 2,200,874; May 14.
Box or container and making the same, Cigar. I. E. Black and H. Jacobstein. 2,200,256; May 14.
Bracket: *See*—
  Spindle bracket. Venetian blind bracket.
Bracket structure, Adjustable. A. C. Perbal. 2,200,518; May 14.
Brake: *See*—
  Scooter brake. Yarn brake.
  Steering wheel brake.
Brake control apparatus, Fluid-pressure. G. E. Beharrell, J. Wright, and H. Trevaskis. 2,200,829; May 14.
Brake control, Vehicle wheel. T. A. Stehlin. 2,200,659; May 14.
Brake fluid, Hydraulic. H. R. Fife. 2,200,494; May 14.
Brake structure, Safety hydraulic. J. F. Guderian. 2,201,086; May 14.
Brick or block. L. T. Makram. 2,201,110; May 14.
Brine, Production of salt. F. L. Bolton. 2,200,665; May 14.
Brooder. H. S. Smith and J. L. Robertson. 2,200,901; May 14.
Broom holder. H. S. Thrasher. 2,200,435; May 14.
Brush holder, Paste. O. D. Edick. 2,201,104; May 14.
Bucket, Elevator. J. L. Kozak. 2,200,507; May 14.
Buffing compound. E. E. Seeley. 2,200,726; May 14.
Bulldozer, Cable lift. T. P. Flynn and R. E. Neils. 2,200,447; May 14.
Bungs, Making. C. E. Shepard. 2,200,583; May 14.
Burglarproof door lock. E. I. Brown. 2,200,834; May 14.
Burner: *See*—
  Gas burner. Oil burner.
  Oil-air burner.
Burner control device, Fuel oil. H. W. Hill. 2,200,671; May 14.
Burner control system, Fuel. D. Beggs. 2,200,908; May 14.
Burner igniting means, Gas. J. E. Browning. 2,201,077; May 14.
Business dictating system. C. L. Whitehead, R. M. Chenoweth, E. M. Irwin, R. H. Duval, W. P. Huntley, B. H. Rule, and G. E. Lewis. 2,200,351; May 14.
Butter, Churning and working. C. L. Mitchel and E. L. Wetmore. 2,200,513; May 14.
Butter, Treatment of cacao. W. Clayton, S. Back, J. F. Morse, and R. I. Johnson. 2,200,858; May 14.
Cabinet: *See*—
  Towel cabinet.
Cable construction, Flat. V. A. Hoover. 2,200,776; May 14.
Cake package or the like. T. C. Weltmer. 2,200,867; May 14.
Calculating machine. H. T. Avery. 2,200,588; May 14.
Camera, Photographic. A. W. Kingston. 2,201,097; May 14.
Can end assembling machine. J. M. Hothersall and J. Murch. 2,200,276; May 14.
Capsule filling device. J. V. O'Hara and J. J. Kotzin. 2,200,244; May 14.
Capsules, Production of charged. C. F. Lozon. 2,200,577; May 14.
Carbonaceous material, Producing. A. Oberle. 2,201,050; May 14.
Carriage and inclined servicing way for the same, Ski passenger. G. W. Morton. 2,200,964; May 14.
Carriage for ski or like elevated ways, Passenger G. W. Morton. 2,200,965; May 14.
Carrier: *See*—
  Sheave carrier.
Carrier system, Overhead. M. G. Rosenthal. 2,201,013; May 14.
Carrier system, Overhead. W. G. Wehr. 2,201,017; May 14.
Case: *See*—
  Display case.
Case and frame structure therefor, Carrying. L. Stein. 2,200,972; May 14.
Casein solution, Preparing a. J. P. Alig. 2,200,353; May 14.
Casket placer. J. R. Smetana. 2,201,057; May 14.
Casting. T. G. Jungersen. 2,200,449; May 14.
Catalyzer and preparing it. J. S. Streicher. 2,200,522; May 14.
Cautery handle. W. A. Arnesen. 2,200,322; May 14.
Cell, Dry. A. H. Redfern. 2,200,862; May 14.
Cell, Potential-producing. S. Ruben. 2,200,301; May 14.
Cellulosic fibers having affinity for acid dyes, Producing. K. Kösslinger, H. Klare, and H. Rein. 2,200,452; May 14.
Chain and method of making, Ornamental. E. Augenstein. 2,200,828; May 14.
Chair and cot, Collapsible beach. A. E. Brandon. 2,200,912; May 14.
Chlorination. H. Bender. 2,200,254–5; May 14.
Churn and butter worker, Combined. C. L. Mitchel and E. L. Wetmore. 2,200,514; May 14.
Chute, Bundle cleaning. E. Reeder. 2,201,054; May 14.
Circuit: *See*—
  Discharge lamp circuit.
  Superheterodyne receiving circuit.
Circuit control means, Electric. L. R. Runaldue. 2,200,968; May 14.
Circuit controller. R. H. Procter. 2,200,995; May 14.
Circuit element mounting unit for electrical measuring apparatus. F. S. Fox, Jr., and G. C. Walsh. 2,201,106; May 14.
Circuits for controlling and measuring, Electrical. O. H. Schuck. 2,200,863; May 14.
Circuits, Switchboard. P. J. Runkel. 2,200,682; May 14.
Circuits, Thermionic amplifier. W. S. Percival. 2,200,519; May 14.
Clamp: *See*—
  Hair clamp.
Clasp. W. S. Painter. 2,200,340; May 14.
Cleaner: *See*—
  Vacuum cleaner.
Climber, Lineman's. J. A. Klein, Jr. 2,200,450; May 14.
Clip: *See*—
  Tentering clip.
Clip and curler, Hair. F. M. Jones. 2,200,624; May 14.
Clip for artificial brick siding and the like, Anchoring. J. B. Wardle. 2,200,649; May 14.
Closet, Double door. H. Derman. 2,200,329; May 14.
Closure construction for collapsible tubes. H. S. Hoggatt. 2,200,923; May 14.
Closure controlling device. B. F. Stannard. 2,200,865; May 14.
Closure for bottles. G. L. Grapp. 2,200,600; May 14.
Closure members stamped from a band, Separating. W. Stäubli. 2,201,058; May 14.
Clutch: *See*—
  Hydraulic clutch.
Clutch and brake mechanism. W. R. Freeman. 2,201,125; May 14.
Clutch-operated control. V. W. Farris. 2,200,878; May 14.
Coal cutting machine. H. D. and L. V. Fanning. 2,200,419; May 14.
Coating and method of application, Anticorosive and antifouling. G. C. Cox. 2,200,469; May 14.
Coin collecting apparatus. C. M. Hancock. 2,201,089; May 14.
Collapsible container. P. Zalkind. 2,200,320; May 14.
Combustion control, Automatic. R. E. Bressler. 2,200,326; May 14.
Combustion engine, Balanced. H. Heinzelmann. 2,200,744; May 14.
Compass and directional gyroscope, Combined magnetic. J. Rateau. 2,200,431; May 14.
Composition for improving diesel fuel ignition, Method and. A. A. Burton. 2,200,260; May 14.
Composition for treating silk goods to prevent running. D. M. Jenkins. 2,200,336; May 14.
Compound having reactive methylene groups. W. Schneider and A. Fröhlich. 2,200,306; May 14.
Concrete surfaces, Dressing. N. H. Ripley. 2,200,433; May 14.
Connection means, Electrical. C. S. Penfold. 2,200,294; May 14.
Connection, Quick-detachable electrical. L. H. Marshall. 2,200,993; May 14.
Connector: *See*—
  Box connector. Electrical connector.
Container: *See*—
  Collapsible container. Cosmetic container.
Container. J. M. Hothersall. 2,200,275; May 14.
Container. A. Howie. 2,200,277; May 14.
Container. F. Lobl. 2,200,395; May 14.
Container. O. Y. Warren. 2,200,813; May 14.
Container and making the same. G. A. Moore. 2,200,289; May 14.
Container construction. R. E. Schmidt. 2,200,900; May 14.
Container for baby bottles and the like. I. Lieber. 2,200,991; May 14.
Container for spray guns. E. H. Northcutt. 2,200,675; May 14.
Container forming mechanism. M. Heres. 2,200,360; May 14.
Containers, Assembling. J. F. Peters. 2,200,295; May 14.
Containers, System for making, filling, and sealing. J. R. Sonneborn and J. Y. Albertson. 2,200,971; May 14.
Control apparatus. H. Walker. 2,200,728; May 14.
Control apparatus for printing machines. W. C. Wieking and A. Baumgartner. 2,200,316; May 14.
Control device. A. C. Reid. 2,201,012; May 14.
Control device for printing machines. W. Lewis. 2,200,284; May 14.
Control for refrigerating systems. A. D. Siedle. 2,200,309; May 14.
Control for vehicular rear signal lights. C. G. Moreno. 2,200,778; May 14.
Control mechanism. N. Pelosi. 2,200,293; May 14.
Control of audio frequency transmission. H. Bartels and G. Ulbricht. 2,201,022; May 14.
Control system. A. C. Davis. 2,201,123; May 14.
Conversion products of rubber. A. Greth and J. Reese. 2,200,715; May 14.
Cooler: *See*—
  Baudelot water cooler.
Core covering apparatus. H. S. Keating. 2,200,955; May 14.
Core taking device. M. Schlumberger. 2,200,683; May 14.

Cosmetic container. I. Gordon-Stables. 2,201,035; May 14.
Cot-bed, Convertible chaise. H. Vanderploeg. 2,200,647; May 14.
Cotton picker. C. R. Berry. 2,200,464; May 14.
Cotton picking machine. J. D. Rust. 2,200,303; May 14.
Counter construction for stitch-down shoes. J. Ruszczyk. 2,200,655; May 14.
Coupling. L. Ricefield. 2,200,640–1; May 14.
Coupling device. D. A. Ruhl. 2,200,654; May 14.
Coupling device, Variable reactive. A. Landmann. 2,200,508; May 14.
Cover for water-closet seats, Slip. H. C. Leslie. 2,200,394; May 14.
Covering material. C. E. Rahr. 2,200,341; May 14.
Crane, Portable. H. Hayes. 2,200,274; May 14.
Crankcase flushing machine. C. F. Ehinger. 2,200,876; May 14.
Crushing and grinding machine. L. G. Hawkins. 2,200,576; May 14.
Cup, Drinking. B. Merta. 2,200,512; May 14.
Cupola charger. J. N. Richardson. 2,200,652; May 14.
Curler, Hair. B. Black. 2,200,590; May 14.
Curtain. I. R. Grundstein. 2,200,366; May 14.
Curtain fixture. J. H. Boye. 2,200,411; May 14.
Curtain fixture. J. E. Gaudet. 2,200,740; May 14.
Curtain rod assembly, Extension. G. W. Kirsch. 2,201,043; May 14.
Cushion, Spring. A. Wesley and L. J. Sieger. 2,200,942; May 14.
Cutter: *See*—
Rotary cutter.
Cutter for and cutting gears. L. O. Carlsen. 2,200,412; May 14.
Cutting machine, Rotary. C. X. Haskins. 2,200,575; May 14.
Cynthioforamide in formaldehyde-urea molding compositions. D. E. Cordier. 2,201,027; May 14.
Damper device. F. D. Hoffman. 2,200,248; May 14.
Damper, Verticle sand. W. S. Mayers. 2,200,558; May 14.
Dental controller. A. W. Hiller. 2,200,621; May 14.
Derrick. C. L. Henry. 2,200,775; May 14.
Detachable fastener. F. A. Oddie. 2,200,702; May 14.
Detachable retaining means. S. M. Ward. 2,200,812; May 14.
Detinning. A. Vollmer. 2,200,782; May 14.
Developing device for light-sensitive paper. W. Kunstadter. 2,200,451; May 14.
Device for gauging and adjusting springs. A. E. Summers. 2,200,348; May 14.
Device for preventing the refilling of bottles and the like. L. Amaru. 2,200,761; May 14.
Dial indicator apparatus. T. D. Parkin. 2,200,517; May 14.
Dial thickness gauge. J. G. Sisson and A. H. Starrett. 2,200,479; May 14.
Diamonds for industrial purposes, Setting. C. J. Koebel. 2,200,281; May 14.
Diazo derivatives of cyclic guanidyl sulphonic acids. H. Z. Lecher, F. H. Adams and H. P. Orem. 2,200,926; May 14.
Discharge lamp circuit. E. C. Dench. 2,200,443; May 14.
Disconnecting switch. W. H. Lindae. 2,200,509; May 14.
Dish, Child's coaxer. L. J. L'Heureux. 2,200,696; May 14.
Dishwashing machine. K. Albrecht. 2,200,907; May 14.
Disk for radial flow rotary machines, Bladed. U. Meininghaus. 2,200,288; May 14.
Dispenser: *See*—
Gum dispenser.
Display case. L. E. Vogt. 2,200,404; May 14.
Display device. C. C. Cloud. 2,200,616; May 14.
Display device. A. A. Fisher. 2,200,446; May 14.
Display device employing polarized light. E. H. Land. 2,200,959; May 14.
Distributing apparatus for intestines. F. G. Leavenworth. 2,200,960; May 14.
Disulphide, Production of carbon. E. Legeler. 2,200,475; May 14.
Door: *See*—
Garage door.
Door check. P. H. Travis. 2,200,567; May 14.
Door check construction, Safety. M. A. Levy and C. E. Smith. 2,200,627; May 14.
Door latch, Screen. J. T. Moore. 2,200,701; May 14.
Door or the like, Coke oven. P. van Ackeren. 2,200,403; May 14.
Doors, Application of securing means to glass. G. F. Erath. 2,200,387; May 14.
Draft regulated furnace, Automatic. A. D. Cole. 2,200,415; May 14.
Drill. E. W. Everheart and V. A. Brussolo. 2,200,444; May 14.
Drill bit. J. W. MacClatchie. 2,200,337; May 14.
Drive mechanism, Hydraulic. H. N. Bliss and G. E. Fenton. 2,200,832; May 14.
Drying apparatus and method. H. F. Hagemeyer. 2,201,038; May 14.
Dump valve, Fuel tank. H. E. Heigis. 2,200,922; May 14.
Dump vehicle. H. F. Flowers. 2,200,271; May 14.
Dust extraction. T. G. Nyborg. 2,200,891; May 14.
Dusting device. J. A. Perry. 2,200,676; May 14.
Dyestuffs and their manufacture, Monoazo. A. Krebser. 2,200,423; May 14.
Dyestuffs containing a heavy metal in a complex form, Azo. E. Fellmer. 2,200,445; May 14.
Dyestuffs, Manufacture of new azo. W. H. Cliffe. 2,200,414; May 14.
Dyestuffs of the anthraquinone series, Vat. E. Berthold and J. Mueller. 2,200,324; May 14.
Dyestuffs of the pyrazinocyanine series and making them. W. Eckert and F. Quint. 2,200,689; May 14.
Dyestuffs of the triarylmethane series. E. Teupel and O. Wahl. 2,200,938; May 14.
Egg whites, Treatment of. L. D. Mink. 2,200,963; May 14.
Electric device. J. Glassberg. 2,200,954; May 14.
Electric discharge apparatus. W. E. Berkey. 2,201,003; May 14.
Electric discharge device, Gaseous. E. G. Dorgelo. 2,200,950; May 14.
Electric discharge device, Gaseous. W. Uyterhoeven, C. Verburg, P. Schouwstra and J. P. M. Mutsaers. 2,200,940; May 14.
Electric indicator. S. J. A. M. Bagno. 2,201,020; May 14.
Electric regulator. T. C. Lennox and S. Minneci. 2,200,989–90; May 14.
Electric steam generator. K. Ehrgott. 2,200,265; May 14.
Electric switch. L. W. Cook. 2,200,981; May 14.
Electric switch. C. A. Schaefer. 2,200,970; May 14.
Electric welding. E. A. Clapp. 2,200,737; May 14.
Electrical connector. H. W. Bodendieck. 2,200,380; May 14.
Electrical connector. E. E. Holke. 2,220,448; May 14.
Electrical connector. H. K. Krantz. 2,220,794; May 14.
Electrical contact. S. Ruben. 2,200,854–5; May 14.
Electrode holder. P. Bourque. 2,200,947; May 14.
Electrogalvanizing process. J. P. Hubbell and L. Weisberg. 2,200,987; May 14.
Electron discharge device. O. Heymann. 2,200,745; May 14.
Electron discharge device. J. R. Pierce and G. K. Teal. 2,200,722; May 14.
Electroresponsive light valve. O. C. Martin. 2,200,797; May 14.
Elecfrostatic recording and reproducing. F. Gray. 2,200,741; May 14.
Electrotypes, Method and apparatus for making. G. W. Bungay. 2,200,536; May 14.
Emulsifying agent and production. M. Blumer, G. A. Kessler and L. Salzmann. 2,201,119; May 14.
Engine: *See*—
Combustion engine.
Internal combustion engine.
Engine hand latch. G. H. Sepull. 2,200,346; May 14.
Ethers and making same, Unsaturated. E. C. Britton and H. R. Slagh. 2,201,074; May 14.
Ethylene, Interpolymerization of. M. W. Perrin, E. W. Fawcett, J. G. Paton and E. G. Williams. 2,200,429; May 14.
Evaporator control means. R. H. Money. 2,220,801; May 14.
Excavator. R. S. Weimer. 2,200,315; May 14.
Excavator, Snow. N. L. James. 2,200,623; May 14.
Extraction with solvents. C. F. Dinley. 2,200,983; May 14.
Extruding machine. V. E. Royle. 2,200,997; May 14.
Fabric: *See*—
Narrow fabric.
Fabric and producing the same, Patterned. F. Hefti. 2,200,792; May 14.
Fabric making material. G. Bloch. 2,200,946; May 14.
Fabric, Mechanism for cutting and pinking. G. Hoskwith. 2,200,746; May 14.
Fabric wrinkleproofing and waterproofing composition. P. M. Moore. 2,200,931; May 14.
Fabrics, Adjustable method of connecting two. A. Ostwald. 2,200,428; May 14.
Facing unit. F. Clarke. 2,200,382; May 14.
Fastener: *See*—
Detachable fastener. Shoestring fastener.
Separable fastener.
Fastener attaching machine, Snap. F. H. Peterson. 2,201,053; May 14.
Fasteners, Die casting separable. L. H. Morin, and D. Marinsky. 2,200,633. May 14.
Fasteners, Manufacture of slide. G. Wintritz. 2,201,068; May 14.
Fasteners, Separable. A. Di Tullio. 2,200,239; May 14.
Fats, Crystallizing. C. Dedlow. 2,200,982; May 14.
Fatty derivatives of alkylated amines. J. Katz. 2,201,041; May 14.
Faucet adapter. J. J. Toolan. 2,201,065; May 14.
Faucet, Ball bearing. T. J. and M. G. Kaufman. 2,201,095; May 14.
Feeder: *See*—
Sheet feeder.
Feeding apparatus. H. N. Bliss, and G. E. Fenton. 2,200,831; May 14.

Fertilizer distributor. J. v. S. Finne. 2,200,773; May 14.
File, Rotary. G. D. Huff. 2,200,421; May 14.
Film-advancing device. H. J. Reardon. 2,200,342; May 14.
Filtering apparatus, Visible. J. H. Krieck. 2,200,795; May 14.
Fire extinguishing foam, Production of. H. F. Hansen-Ellehammer. 2,201,040; May 14.
Firearm. C. A. Young. 2,200,868; May 14.
Fishing leader, Self-striking. L. E. Welch. 2,200,651; May 14.
Fishing plug. W. W. Hargrett. 2,200,670; May 14.
Fishing reel. N. Polikoff and W. Gunner. 2,200,779; May 14.
Flashlight, Repeating photographic. G. Werner. 2,200,350; May 14.
Flatiron. A. Running. 2,200,455; May 14.
Flatiron, and thermostatic device for controlling the same, Automatic. F. and J. Reingruber. 2,201,115; May 14.
Floor furnace. B. F. Stephens. 2,200,645; May 14.
Fluid cooling. R. B. P. Crawford. 2,200,442; May 14.
Fluid pressure producing device. H. C. Bowen. 2,200,666; May 14.
Foaming, Diminishing or preventing. K. Brodersen and M. Qunedvlieg. 2,200,485; May 14.
Food, Electrical method and apparatus for preparing. G. W. Watson and E. C. Brannas. 2,200,405; May 14.
Food product and making same. W. C. Baxter. 2,200,977; May 14.
Form hanger. E. A. Podd. 2,201,011; May 14.
Fountain, Poultry. L. Haga. 2,200,272; May 14.
Frame for automobiles, Metal door. P. O. Krogh. 2,200,555; May 14.
Frame for beehives, Comb. H. L. Rushing. 2,201,100; May 14.
Freezer for electrical refrigerators, Ice-cream. R. Hamilton and R. Hudson. 2,200,273; May 14.
Frequency multiplier, Ultra short wave. W. Engbert. 2,200,330; May 14.
Fryer, Bacon. R. C. Ingersoll. 2,200,335; May 14.
Fuel consumption tester. J. J. Zotter. 2,201,019; May 14.
Fuel out of the induction conduit of internal combustion engines, Arrangement for drawing. G. Scheerer. 2,201,014; May 14.
Fuel tank and seat mounting. D. B. Baker. 2,200,764; May 14.
Funnel, Detachable. M. O. Shell. 2,200,642; May 14.
Furnace: *See*—
Boiler furnace. Floor furnace.
Draft regulated furnace.
Furnace charger. J. N. Richardson. 2,200,653; May 14.
Furnace construction, Blast. W. B. Clemmitt and J. C. Hayes. 2,200,488; May 14.
Furnace or the like, Electric steel. W. Linder. 2,200,372; May 14.
Furnaces and the like, Cleaning the checker chambers of open hearth. A. Carlson. 2,200,668; May 14.
Furnaces, Sealing the charging and discharging apertures of continuous or intermittent. J. Fallon. 2,200,619; May 14.
Fuse. H. A. Triplett. 2,200,608; May 14.
Fuse cut-out. C. A. Fox. 2,200,496; May 14.
Fusion joint, annular. E. Gerecke, O. Deutschbein, and W. Schulze. 2,200,694; May 14.
Game apparatus. H. J. Cadman. 2,201,025; May 14.
Game apparatus, Combination. C. R. Shultz. 2,200,456; May 14.
Garage door, Automatic. A. C. D'Alfonso. 2,200,542; May 14.
Garment finishing, refinishing, and reshaping machine. S. S. Raymond and H. M. Montgomery. 2,200,606; May 14.
Gas burner. J. H. Dennis and J. V. King. 2,200,264; May 14.
Gas detector. W. G. Tuel. 2,200,523; May 14.
Gas supply apparatus for fluid tanks. H. Weichsel. 2,200,610; May 14.
Gases by biological means, Purification of. M. Prüss and H. Blunk. 2,200,581; May 14.
Gasket. E. C. Bridgers. 2,200,688; May 14.
Gasket and provision for extending the life thereof, Metal. E. C. Furman. 2,200,546; May 14.
Gate: *See*—
Self-closing gate.
Gate structure, Ring. P. J. Cannell. 2,200,667; May 14.
Gauge: *See*—
Dial thickness gauge. Thread gauge.
Thickness gauge.
Gauge and sampling device, Pressure tank. J. H. McCabe. 2,200,630; May 14.
Gear: *See*—
Power reversing gear.
Gears, Simultaneously finishing cluster. O. G. Simmons. 2,200,584; May 14.
Generator: *See*—
Electric steam generator. Steam generator.
Generator. A. E. Woodruff. 2,200,612; May 14.
Generator control system. J. Shaver. 2,200,376; May 14.
Gin breast front mounting. F. E. Deems. 2,200,470; May 14.
Glass cleaning fluid and the manufacture thereof. F. L. Bishop, Jr. 2,200,354; May 14.
Glass cutting apparatus. B. F. Anderson. 2,200,975; May 14.
Glass fabrication process and mold. R. W. Moore. 2,201,049; May 14.
Glass for gaseous electric discharge devices. H. Krefft, K. Larché, and M. Thomas. 2,200,958; May 14.
Glass, Laminated safety. J. D. Ryan and J. D. Gwyn. 2,200,969; May 14.
Globe and mounting therefor, Illuminated. O. A. Colberg. 2,200,821; May 14.
Globe, Incandescent lamp. J. B. Kassel. 2,201,094; May 14.
Glycerides and products resulting therefrom, Extracting and refining. S. E. Freeman. 2,200,390; May 14.
Golf ball. B. Bogosiowsky. 2,200,257; May 14.
Goods, Improving of. W. Hentrich. 2,200,603; May 14.
Governor. A. P. Thomas. 2,200,459; May 14.
Grain treating machine. J. F. Stokes. 2,200,434; May 14.
Greenhouse construction. O. K. Slater, Jr. 2,200,706; May 14.
Grid-trimming apparatus. M. O. Kuhn. 2,200,886; May 14.
Grinder, Meat. O. R. Ardrey. 2,200,786; May 14.
Grinding and separating apparatus. W. M. Cook. 2,200,489; May 14.
Grinding machine for plastic flooring. G. P. Granell. 2,200,921; May 14.
Grinding process and apparatus. J. Crites. 2,200,822; May 14.
Grip for golf clubs or the like. E. B. Lamkin. 2,200,626; May 14.
Gum dispenser, Pocket. L. Illmer. 2,200,553; May 14.
Gyratory motion, Producing. S. D. Robins. 2,200,724; May 14.
Gyroscopes, Resetting means for air borne. M. F. Bates. 2,200,976; May 14.
H-Beam composite pile. E. D. Watt. 2,200,524; May 14.
Hair clamp. R. L. Evans. 2,200,266; May 14.
Hammer, Rotary pivoted. T. H. Poese. 2,200,374; May 14.
Handkerchiefs, Placement of breast pocket. A. C. Grunwald. 2,200,601; May 14.
Handle: *See*—
Cautery handle.
Handle. T. R. McKinney. 2,200,698; May 14.
Handle of compressed gas tanks, Valve. J. G. Sholes. 2,200,999; May 14.
Hanger: *See*—
Form hanger.
Hanger. B. A. Cook. 2,200,669. May 14.
Hat, Sun. F. Vollmer. 2,200,783; May 14.
Heat-diffuser and water-back device. G. Faulds. 2,200,985; May 14.
Heat exchange device. F. G. Cornell, Jr. 2,200,355; May 14.
Heat exchange device. F. H. Monson. 2,200,397; May 14.
Heat exchanger. H. J. Findley. 2,200,620; May 14.
Heat exchanger and absorber. J. A. Coy. 2,200,788; May 14.
Heat treatment of cast iron. E. L. Bartholomew and J. D. Paine, Jr. 2,200,765; May 14.
Heat treatment of food. G. W. Watson. 2,200,406; May 14.
Heat treatment of metals. J. M. Michel. 2,201,111; May 14.
Heat, Utilization of waste engine. R. D. Williams. 2,200,379; May 14.
Heater: *See*—
Air heater.
Heater. H. J. Sands. 2,200,304; May 14.
Heater for boilers, particularly adapted for locomotives, Feed-water. P. Crosti. 2,200,492; May 14.
Heating apparatus. J. C. Woodson. 2,200,731; May 14.
Heating device, Electric. F. Kuhn and L. H. Thomas. 2,200,557; May 14.
Hinge. S. B. Atwood. 2,200,439–41; May 14.
Hinge. S. B. Atwood. 2,200,250–3; May 14.
Hinge. H. J. Dudley. 2,200,418; May 14.
Hinge. J. Ludwig. 2,200,511; May 14.
Hinge. G. A. McNulty. 2,200,699; May 14.
Hinge. H. E. Van Voorhees. 2,200,311–2; May 14.
Hinge. A. F. Wintercorn and E. P. McCanna. 2,200,317; May 14.
Hinge for boxes and the like. A. Primas. 2,200,399; May 14.
Hoist pulley and rope gripper. C. J. Rio. 2,200,896; May 14.
Holder: *See*—
Broom holder. Pad and pencil holder.
Brush holder. Pad holder.
Electrode holder. Work holder.
Lamp holder.
Holder and oarlock, Universal joint oar. H. N. Sticklin. 2,200,565; May 14.
Honing device. K. W. Connor. 2,200,573; May 14.
Hook: *See*—
Swing hook.
Hormone compound, Male sex. W. Schoeller, M. Gehrke, and F. Hildebrandt. 2,200,307; May 14.
Hose construction. J. H. Phillips. 2,200,967; May 14.
Hydrant, Fire. H. J. M. Burdick. 2,200,770; May 14.
Hydraulic clutch. A. Y. Dodge. 2,200,596; May 14.
Hydraulic press. C. F. Schnuck. 2,200,998; May 14.

Hydrochloride composition, Rubber. E. Gebauer-Fuelnegg and E. W. Moffett. 2,201,034; May 14.
Hydrogen, Making pure. A. R. Stryker. 2,200,607; May 14.
Ice cream cone and process of making. G. W. Kennedy. 2,200,956; May 14.
Ice, Method and apparatus for freezing. B. F. Kubaugh. 2,200,424; May 14.
Illuminating device. F. Illo. 2,201,093; May 14.
Illumination, Artificial. W. Elenbaas. 2,200,951; May 14.
Illumination control system. R. B. Hunter. 2,200,501; May 14.
Imidazoline derivatives and making the same. R. R. Ackley. 2,200,815; May 14.
Indicator: *See*—
Electric indicator.
Indicator. L. E. Dodge. 2,200,917; May 14.
Indicia bearing device. E. C. Rahn. 2,200,454; May 14.
Ink. C. T. Walter. 2,200,974; May 14.
Innoculant for leguminous plants, Bacterial. V. S. Bond. 2,200,532; May 14
Insecticide. M. S. Schechter and H. L. J. Haller. 2,200,564; May 14.
Insecticide. E. M. Shelton. 2,200,582; May 14.
Insecticide and fungicide. F. E. Dearborn. 2,201,103; May 14.
Insulation and producing same, Building. W. M. Ericson and E. H. Wenzel. 2,200,713; May 14.
Interlocking system for railroads. O. H. Dicke and F. B. Hitchcock. 2,200,857; May 14.
Internal combustion engine. L. F. Hellemn. 2,200,359; May 14.
Interpolymerization products of butadiene and vinyl ethinyl carbinol. W. Sandhaas, W. Daniel, and K. Mühlhausen. 2,200,705; May 14.
Iron construction, Electric. J. J. Gough. 2,201,107; May 14.
Iron girders and very large T-section iron, Producing. J. Baugnée. 2,201,071; May 14.
Iron manufacture, Rustless. A. L. Feild. 2,200,545; May 14.
Ironing machine. G. B. Keil. 2,200,748; May 14.
Jack: *See*—
Pump jack. Vehicle jack.
Jack. I. Goldberg. 2,200,392; May 14.
Jewelry and the like, Casting. T. G. Jungersen. 2,201,131; May 14.
Jewelry, setting. F. J. Gaertner. 2,200,841; May 14.
Joint: *See*—
Ball-sleeve joint. Pipe joint.
Fusion joint. Rail joint.
Key and keyhole illumination. P. Schechter. 2,201,127; May 14.
Keyboard. L. M. Potts. 2,200,807; May 14.
Knitting machine. F. Klumpp and F. Lambach. 2,200,280; May 14.
Ladder. H. A. Solomon. 2,200,902; May 14.
Ladder leg, Adjustable. J. G. Brewer. 2,200,535; May 14.
Lamp: *See*—
Arc lamp.
Lamp device, Gaseous electric discharge. G. Trebbin, W. Lewig, and H.-J. Helwig. 2,200,939; May 14.
Lamp holder. H. D. Blake. 2,200,978; May 14.
Latch: *See*—
Door latch.
Latch mechanism for folding body supports on baby carriage chassis. J. A. Mahr. 2,200,889; May 14.
Lathe, Automatic. W. Ogilvie. 2,201,051; May 14.
Lead-in for cathode-ray tubes and the like, Sealed. R. M. Bowie. 2,200,911; May 14.
Leather articles, Edge finishing. H. A. Davis. 2,200,384; May 14.
Lid support. I. J. Kuert. 2,200,556; May 14.
Lifter: *See*—
Pan lifter. Plate lifter.
Light casing. J. D. Langdon. 2,201,044; May 14.
Light switch, Safety. G. H. Bruington. 2,201,078; May 14.
Lighting device. E. R. Lundstrom. 2,201,045; May 14.
Lighting fixture. W. Wilson. 2,200,611; May 14.
Liquid dispensing device. P. Slobody. 2,200,585; May 14.
Liquids by biological means, Purification of. M. Prüss and H. Blunk. 2,200,580; May 14.
Liquids, Flocculating aqueous. F. J. Wallace. 2,200,784; May 14.
Liquor, Recovery of by-products from black. F. J. Cirves. 2,200,468; May 14.
Loader for grain or the like. W. F. Rouse. 2,200,898; May 14.
Locating device for use in boreholes. R. L. Kerr. 2,200,505; May 14.
Lock: *See*—
Burglarproof door lock.
Lock. M. Falk. 2,200,714; May 14.
Locomotive, Articulated. J. G. Blunt. 2,200,833; May 14.
Loud-speaker. L. B. Cornwell. 2,200,490; May 14.
Loud-speaker. I. L. Stephan. 2,201,059; May 14.
Loud-speaker, Horn type. L. J. Bobb. 2,201,073; May 14.
Lug, Tractor wheel. L. E. Frisbie. 2,200,791; May 14.
Machine for attaching ignition bands to cigarettes. A. H. Fox. 2,200,420; May 14.
Machine for making Jordan shell linings. H. D. Stuck. 2,201,001; May 14.
Machine for operating upon shoes. C. G. Brostrom. 2,200,381; May 14.
Machine for punching and coiling dynamo core ribbons. E. Kürsteiner. 2,200,425; May 14.
Machine for treating cotton plants. J. B. Neil and T. C. O'Farrell. 2,200,242; May 14.
Machine to select, segregate, and choose addressograph frames. S. O. Krieger. 2,200,751; May 14.
Magazine for razor blades. L. Kuhnl. 2,200,752; May 14.
Magnesium, Producing metallic. K. Erdmann. 2,200,772; May 14.
Magnetic materials, Manufacture of. R. P. Cross, Jr., and A. N. Ogden. 2,200,491; May 14.
Material and method for removing coatings of nickel or the like from a metal base. E. F. Burdick. 2,200,486; May 14.
Material mixing machine. A. L. Miller. 2,200,757; May 14.
Material separating machine, Granular. H. Erdmann. 2,200,472; May 14.
Materials, Process of and apparatus for heating. B. H. McQueer. 2,200,930; May 14.
Measuring and control system. P. S. Dickey. 2,200,471; May 14.
Measuring eccentricity in tubular conductors, Method and apparatus for. R. W. Atkinson. 2,200,827; May 14.
Measuring instrument. W. H. Pearce. 2,200,805.
Measuring system. W. B. Bohannon. 2,200,819; May 14.
Measurement of acoustical properties of materials. W. D. Mounce. 2,200,476; May 14.
Medicinal preparation. B. H. Thurman. 2,201,062; May 14.
Metal articles by cathode disintegration, Metallization of. B. Berghaus and W. Burkhardt. 2,220,909; May 14.
Metal articles with handles, Making. V. W. Whitmer. 2,201,067; May 14.
Metal members, Forming hollow. A. C. Arbogast. 2,200,664; May 14.
Metals and alkali metal hydroxides, Manufacture of alkali. T. Wood. 2,200,906; May 14.
Metals from solutions, Recovering. A. B. Doran. 2,200,357; May 14.
Meter. H. E. Weaver. 2,200,378; May 14.
Microphone system. T. W. Varley. 2,200,462; May 14.
Mill: *See*—
Rolling mill.
Mixer for plastic material. T. W. Edwards and C. H. Nagel. 2,200,875; May 14.
Mixing device. G. L. Reichhelm, E. Holm, F. A. Kane, Jr., and O. C. Funderburk. 2,200,723; May 14.
Modulation system. V. H. Fraenckel. 2,200,986; May 14.
Modulator. G. L. Usselman. 2,201,016; May 14.
Moisture from gas or air, Method and apparatus for eliminating. A. J. Boynton and G. D. Dill. 2,200,980; May 14.
Molding composition. D. E. Cordier. 2,201,028; May 14.
Molding process. H. F. Hagemeyer. 2,201,037; May 14.
Monoazo intermediates. M. A. Dahlen and F. Zwilgmeyer. 2,200,949; May 14.
Monogram unit. M. Chernow. 2,200,540; May 14.
Mop. T. A. Purvis. 2,200,808; May 14.
Mop, Wringer. H. J. Camden. 2,201,079; May 14.
Motor drive, Variable speed. L. A. Kilgore. 2,201,006; May 14.
Motor driven switch. K. Müller. 2,200,803–4; May 14.
Motor vehicle. C. F. Megow. 2,200,798; May 14.
Mount, Typewriter desk. W. M. Fritch. 2,200,919; May 14.
Mounting: *See*—
Fuel tank and seat mounting. Universal mounting.
Gin breast front mounting.
Mower, Lawn. C. Iverson. 2,200,368; May 14.
Mulling apparatus. E. A. Hund. 2,200,825; May 14.
Mulling apparatus. W. F. Piper. 2,200,806; May 14.
Musical instrument and assembling the same. H. Pullen. 2,200,430; May 14.
Narrow fabric. B. J. Goldsmith. 2,200,882; May 14.
Nitriles, Manufacture of. H. R. Arnold and W. A. Lazier. 2,200,734; May 14.
Nozzle, Suction. G. E. Björkman. 2,200,769; May 14.
Nutcracking machine. G. J. Moeller. 2,200,515; May 14.
Oil burner. A. C. Johnson. 2,200,826; May 14.
Oil burner. W. G. Johnston. 2,200,278; May 14.
Oil-grease recording device. J. B. Jones. 2,200,362; May 14.
Oil-air burner. T. Kinder. 2,200,673; May 14.
Oil, Low pour point lubricating. U. B. Bray. 2,200,534; May 14.
Oil, Stabilizing of. B. H. Thurman. 2,201,061; May 14.
Oils into lighter oils, Converting heavy mineral. C. M. Alexander. 2,200,463; May 14.
Oils, Refining hydrocarbon. E. R. P. E. Retaillian. 2,200,703–4; May 14.
Oils, Separating hydrocarbon. E. Bösin. 2,201,120; May 14.

Oils, Solvent extraction of glyceride. S. E. Freeman. 2,200,391; May 14.
Oils, Treatment of hydrogenated. S. Musher. 2,201,112; May 14.
Ores to facilitate extraction of metals, Preparing. K. M. Simpson. 2,200,563; May 14.
Organogel. E. Trommsdorff. 2,200,709; May 14.
Oven, Coking retort. J. van Ackeren. 2,200,377; May 14.
Ovens for the production of gas and coke, Continuously operated vertical chamber or retort. H. Koppers. 2,200,371; May 14.
Overload cutout switch. A. L. Judson. 2,200,845; May 14.
Packing for piston rods. C. White. 2,200,760; May 14.
Pad and pencil holder, Illuminated automatic. F. T. Louis. 2,200,629; May 14.
Pad holder. E. A. Haveles. 2,200,499; May 14.
Pad holder, Sanitary. A. Majewski. 2,200,754; May 14.
Pan lifter. B. Reed. 2,200,432; May 14.
Panel construction. G. G. Gilpin. 2,200,240; May 14.
Paper and method of manufacture, Water-resistant laminated. L. C. Fleck. 2,200,839; May 14.
Paper, Deinking of printed. P. R. Hines. 2,200,622; May 14.
Paper feeding mechanism. J. Q. Sherman and A. W. Metzner. 2,200,308; May 14.
Paper making machinery. J. E. Bond. 2,200,410; May 14.
Pedestal, Camera supporting. A. V. Bedford and K. J. Magnusson. 2,200,736; May 14.
Pen, Fountain. M. J. Waldinger. 2,200,648; May 14.
Pencil. E. Wild. 2,201,117; May 14.
Perforating device. E. Kern. 2,200,672; May 14.
Perforator, Bullet type casing. K. Calvert. 2,200,487; May 14.
Phenols or phenolates from gas liquor or the like, Recovery of pure. H. Koppers. 2,200,370; May 14.
Phonograph. C. Huenlich and H. F. M. Gramann. 2,200,334; May 14.
Phonograph and radio, Combined. H. T. Roberts. 2,200,297; May 14.
Photographic designs, Reproduction of color. L. Singer. 2,201,128; May 14.
Phosphatide composition. B. H. Thurman. 2,201,064; May 14.
Phosphites, Aryl. T. S. Carswell. 2,200,712; May 14.
Phosphorus and metal, Making a composition of. C. Hardy. 2,200,743; May 14.
Phosphorus, Treatment of. C. Hardy. 2,200,742; May 14.
Photography, Composite. B. C. Haskin. 2,200,358; May 14.
Piano bridge. O. A. Bronson. 2,200,913; May 14.
Piano, Electronic. B. F. Miessner. 2,200,718; May 14.
Picture apparatus, Motion. M. Fleischer and J. E. Burks. 2,200,953; May 14.
Picture projection, Motion. V. A. Rollings. 2,200,681; May 14.
Pie making machine. D. W. Smith. 2,200,347; May 14.
Pigments, Manufacture of antimony trioxide. K. Schirrmeister. 2,200,478; May 14.
Pigments, Manufacture of titanium dioxide. A. G. Oppegaard and C. J. Stopford. 2,200,373; May 14.
Pin: *See*—
Safety pin.
Pipe: *See*—
Tobacco pipe.
Pipe joint. F. Hinrichs. 2,200,500; May 14.
Pipe, Making heat transfer. J. W. Brown, Jr. 2,201,024; May 14.
Pipes, channels, or the like, Means for the closing or shutting of. J. Daniels. 2,200,416; May 14.
Pipes, Insertion for tobacco. C. A. Klingenstierna. 2,200,793; May 14.
Pipes of cementitious material, Method and means for producing. J. Ferla. 2,200,267; May 14.
Piston. A. L. Nelson. 2,200,966; May 14.
Piston, Internal combustion engine. N. E. Girard. 2,201,085; May 14.
Piston ring forming apparatus. E. R. Week, Jr. 2,200,609; May 14.
Pitch, Coking. A. P. Meyer. 2,200,717; May 14.
Pitchfork, Mechanical. A. W. Hamon. 2,201,088; May 14.
Planetary transmission mechanism. C. M. Eason. 2,200,597; May 14.
Planography, Uninegative multicolor. G. R. Lukesh and J. G. Goedike. 2,200,286; May 14.
Plasterboard. J. Dean. 2,201,102; May 14.
Plate lifter. E. R. Miller. 2,200,800; May 14.
Plate shaving machine. W. J. Lofstedt. 2,200,628; May 14.
Plate, Spreader. C. F. Coates. 2,200,835; May 14.
Platen printing machine. L. Gerard. 2,200,920; May 14.
Plug: *See*—
Fishing plug.
Polishing apparatus. E. L. Coddington. 2,200,592; May 14.
Polishing machine. A. L. Burrows and A. E. Henricson. 2,200,537; May 14.
Polymerization products and preparing them, Highly viscous. A. Voss and W. Heuer. 2,200,437; May 14.
Position selector. J. A. Ramos. 2,200,679; May 14.
Positioning device for machine tool tables. F. O. Hoagland. 2,200,884; May 14.
Poster device, Display. E. Borregard. 2,200,533; May 14.
Pottery ware, Method and apparatus for manufacturing. W. J. Miller. 2,200,860; May 14.
Powders, Making metallic molding. L. G. Klinker. 2,200,369; May 14.
Power lift. B. R. Benjamin and C. W. Mott. 2,200,768; May 14.
Power reversing gear. H. D. O'Rourke. 2,200,562; May 14.
Power transmission device. H. J. Murray. 2,200,890; May 14.
Power, Tranmission of. A. H. Beede. 2,201,118; May 14.
Power transmission. K. R. Herman. 2,200,824; May 14.
Power transmission. E. A. Thompson. 2,200,811; May 14.
Power transmission drive, Multiple. R. L. Beckman. 2,200,686; May 14.
Power transmitting mechanism for motor vehicles. C. S. Singleton. 2,200,658; May 14.
Power transmission mechanism, Reversible. H. G. Davis. 2,200,574; May 14.
Preparation for cleaning removable dentures. O. E. McKim. 2,201,098; May 14.
Press: *See*—
Hydraulic press. Printing press.
Pressure cleaning apparatus. P. A. Clark. 2,201,080; May 14.
Pressure equalizing valve. T. C. Mahon. 2,200,578; May 14.
Printing plate and making same. J. D. Kreis. 2,200,363; May 14.
Printing press, Web-fed. C. J. MacArthur. 2,201,008; May 14.
Projector. W. T. Perkins and O. E. Trautmann. 2,200,637; May 14.
Propeller device. F. Merz. 2,200,427; May 14.
Propeller, Variable pitch. S. A. Farrell. 2,200,952; May 14.
Pulp tester. R. C. Angell. 2,200,321; May 14.
Pump jack. F. H. Eckert. 2,200,790; May 14.
Pumping apparatus. W. W. Paget. 2,200,291; May 14.
Rack and pinion, Geared. E. W. Patterson. 2,200,292; May 14.
Radiator control for steam heating system. J. W. West. 2,200,729; May 14.
Radiator shutter unit. W. C. Agerell and J. D. Durant. 2,200,733; May 14.
Radio apparatus. E. F. McDonald, Jr. 2,200,674; May 14.
Radio instrumentalities, Method and apparatus for shielding. H. P. Pratt. 2,200,678; May 14.
Rail drilling machine, Railway. E. A. Everett. 2,201,032; May 14.
Rail joint. A. N. Brogden. 2,201,075; May 14.
Rail joint and apparatus for forming the same. A. N. Brogden. 2,201,076; May 14.
Rail sealing construction, Check. G. M. Grady and H. F. Ruberg. 2,200,547; May 14.
Railroad crossing and danger signal. C. Evans. 2,200,739; May 14.
Ratio transmission, Variable. O. E. Szekely. 2,200,566; May 14.
Razor head element, Safety. S. H. Benjamin. 2,200,530; May 14.
Razor, Self-sharpening safety. J. A. Guimond. 2,200,246; May 14.
Reactor, Variable. L. L. De Kramolin. 2,200,263; May 14.
Reducing composition useful for textile printing and other purposes. H. Papini. 2,201,010; May 14.
Reducing composition useful for textile printing, dyeing, and other purposes. J. Katz. 2,201,042; May 14.
Reel: *See*—
Fishing reel.
Reflection elimination device. J. M. Roper. 2,200,300; May 14.
Refrigerant compressor control. B. E. Shaw. 2,200,657; May 14.
Refrigeration. R. C. Roe. 2,201,099; May 14.
Refrigeration. A. W. Ruff. 2,200,302; May 14.
Refrigeration control system. A. B. Newton. 2,200,477; May 14.
Refrigerator. G. G. Johnson. 2,200,502; May 14.
Refrigerator control. E. G. Gaynor. 2,200,599; May 14.
Refrigerator, Portable. J O Brelsford and J. T. Conlon. 2,200,465; May 14.
Refuse and the like waste materials, Treating household and town. K. Petersen. 2,200,677; May 14.
Regulating device for compressed fluid generators of the free pistons type. R. P. Pescara. 2,200,892; May 14.
Regulator: *See*—
Electric regulator.
Regulator. L. J. Adams and F. Bracken. 2,200,352; May 14.
Remote control apparatus. J. A. Ramos. 2,200,680; May 14.
Resins from aldehydes and aromatic hydrocarbons, Production of. G. K. Anderson, E. A. Taylor, and J. B. Fishel. 2,200,762; May 14.
Resins, Production of aldehyde aromatic hydrocarbon. G. K. Anderson, E. A. Taylor, and J. B. Fishel. 2,200,763; May 14.

Resistance elements, Making. D. T. Siegel. 2,200,521; May 14.
Rest, Sacral. G. H. Chick. 2,200,541; May 14.
Retaining device. L. C. Culp. 2,201,081; May 14.
Revolving car seat. C. A. Van Derveer and E. J. Beck. 2,200,904; May 14.
Riveting tool. C. F. Welch. 2,200,662; May 14.
Rock bit. C. C. Winslow. 2,200,482; May 14.
Rod guide. F. A. Thabeld. 2,200,758; May 14.
Roller casing. P. Zalkind. 2,200,319; May 14.
Rolling mill. W. Fass. 2,200,837; May 14.
Rotary cutter. H. M. Smallwood and H. T. Battin. 2,200,730; May 14.
Roundabout. L. Spinelli. 2,200,864; May 14.
Rubber and method of flameproofing, Flameproofing sponge. C. O. Miserentino. 2,200,850; May 14.
Rubber molding and vulcanizing process. F. M. Daley and L. H. De Wyk. 2,200,262; May 14.
Rubber, Treatment of. W. E. Messer and H. H. Bassford, Jr. 2,200,756; May 14.
Rubber, Vulcanizing sponge. E. W. Madge, A. A. Round, and T. Norcross. 2,200,847; May 14.
Saccharin in formaldehyde-urea molding compositions, N-methyl. E. H. Balz. 2,201,021; May 14.
Sachet device, Continuous. H. S. Frank. 2,200,840; May 14.
Safety pin. P. K. Morris. 2,200,290; May 14.
Sand blasting, Method and apparatus for. L. L. Tirrell. 2,200,587; May 14.
Sanitary device, Combination. E. C. Bishelany. 2,200,531; May 14.
Saw machine. C. Rasmussen. 2,200,894; May 14.
Scooter brake. J. M. Rodriguez. 2,200,935; May 14.
Screen: *See*—
  Transparent projection screen.
Seal, Fluid. L. A. Johnson and A. D. Owen. 2,200,925; May 14.
Seal, Heat exchanger baffle. J. A. Coy. 2,200,787; May 14.
Seal, Piston. C. Sauzedde. 2,200,305; May 14.
Seal, Rotary shaft. R. W. Christman and W. J. McCortney. 2,200,413; May 14.
Seat: *See*—
  Revolving car seat.
Seesaw. E. J. Guerrier. 2,201,036; May 14.
Self-closing gate. G. R. Swenson. 2,200,727; May 14.
Separable fastener. G. H. C. Corner. 2,201,122; May 14.
Separating and feeding mechanism for envelopes. E. E. Gray. 2,200,842; May 14.
Series automatic machine for the printing industry. P. Nickelsberg. 2,200,365; May 14.
Setscrew, Self-locking. H. T. Hallowell. 2,201,087; May 14.
Sewing machine, Inseam shoe. V. J. Tetrault. 2,200,402; May 14.
Sewing machine, Universal button. M. McCann. 2,200,929; May 14.
Shade, Paper window. A. L. Thexton. 2,200,481; May 14.
Shaft locking device. C. E. Jennings. 2,200,988; May 14.
Shaker, Condiment. W. McArthur. 2,200,755; May 14.
Sharpener, Cleaver and knife. P. R. and F. R. Booth. 2,200,614; May 14.
Sheave carrier, Drill hole. J. B. Newsom. 2,200,516; May 14.
Sheave, Pressed metal. E. H. Schultz, Jr. 2,200,245; May 14.
Sheet delivery apparatus, Printing press. H. E. Stolper. 2,200,937; May 14.
Sheet edging apparatus. J. L. Drake. 2,200,984; May 14.
Sheet feeder. H. T. Backhouse. 2,200,408; May 14.
Sheet feeding mechanism. H. T. Backhouse. 2,200,409; May 14.
Sheet forming apparatus and method. A. C. Fischer. 2,200,269; May 14.
Sheet, Laminated vitriform. C. Ellis. 2,200,691; May 14.
Sheet registering and detecting mechanism. C. W. Harrold and J. R. Wood. 2,200,367; May 14.
Shelf and supports therefor. F. D. Peltier and K. F. Schmidt. 2,201,114; May 14.
Shield, Heat exchanger core. F. M. Young. 2,200,527; May 14.
Shoe construction and making same. J. F. Marshall. 2,200,579; May 14.
Shoe, Height increasing. A. Erich. 2,200,493; May 14.
Shoes, Manufacture of. F. A. Eich. 2,200,385; May 14.
Shoes, Manufacture of. C. Roberts and J. B. Hadaway. 2,200,375; May 14.
Shoemaking. K. A. Stritter. 2,200,401; May 14.
Shoestring fastener. C. J. Rio. 2,200,895; May 14.
Short wave device, Ultra. E. D. McArthur. 2,200,962; May 14.
Shortening. B. H. Thurman. 2,201,063; May 14.
Shut-off valve, Automatic. C. V. Lindley. 2,200,697; May 14.
Shuttle. W. E. Jennings. 2,200,843; May 14.
Sieve, Grain. A. Evenson. 2,201,083; May 14.
Sight mounting for firearms, Telescope. G. N. Albree. 2,200,869; May 14.
Sign for automobiles, Advertising. J. G. Theriault. 2,201,002; May 14.
Signal: *See*—
  Railroad crossing and danger signal.
Signal switch, Railway crossing. G. Zint. 2,200,570; May 14.
Signaling system. N. M. Rust. 2,200,725; May 14.
Signaling system and apparatus therefor. S. Morton. 2,200,802; May 14.
Signaling system for railroads. J. E. Willing. 2,201,018; May 14.
Silk, Dyeing and printing of acetate artificial. H. Ritter. 2,200,343; May 14.
Sinker, Trolling. J. Dobbins and C. F. Hacker. 2,201,082; May 14.
Socket for vacuum tubes. W. K. Henning. 2,200,332; May 14.
Sodium acetylide, Producing. R. R. Vogt. 2,200,941; May 14.
Soil conditioner. M. C. Merlich. 2,200,631; May 14.
Sole edge inking machine. T. J. Doyle. 2,200,417; May 14.
Sole, Inner. M. N. Margolin. 2,200,849; May 14.
Solution dispensing device. V. J. Sinkwich. 2,201,101; May 14.
Solvents from solutions of resilient substances, Removing the. A. Kämpfer. 2,200,554; May 14.
Sound producing device for a tap dancing shoe. S. G. Mandalian. 2,200,848; May 14.
Space gaining structure for building constructions. F. P. Platt and L. R. Soher. 2,200,934; May 14.
Spacer for transformer coils. J. G. Ford. 2,201,005; May 14.
Spacing means for bag filters. W. H. Scheidt. 2,200,899; May 14.
Spindle assembly, Textile. J. Hardy and R. A. Lloyd. 2,201,090; May 14.
Spindle bracket. E. F. Monnia and A. Marcus. 2,200,700; May 14.
Splint, Fracture reducing and immobilization. R. Anderson. 2,200,407; May 14.
Split-washer-removing tool. J. E. Hehir. 2,201,091; May 14.
Spool and constructing the same, Thread. D. Marinsky and L. H. Morin. 2,200,721; May 14.
Spool and constructing the same, Thread. L. H. Morin and D. Marinsky. 2,200,720; May 14.
Spray head. J. S. Judell and M. W. Heid. 2,200,503; May 14.
Stabilizer, Machinery base. W. D. Leonard. 2,200,859; May 14.
Stamp or the like. I. L. Pollack. 2,200,893; May 14.
Starting apparatus. R. C. Smith. 2,200,781; May 14.
Starting box. T. A. Keen. 2,200,504; May 14.
Steam generator. E. T. Turner. 2,200,759; May 14.
Steam generator or water heater. E. F. Spanner. 2,200,644; May 14.
Steel, Alloy. E. F. Blessing. 2,201,072; May 14.
Steering wheel brake. J. Koppel. 2,200,625; May 14.
Stencil. B. F. Walker. 2,200,314; May 14.
Strainer damages in wells, Locating and repairing suction. E. Kerman. 2,201,096; May 14.
Strand covering machine. W. T. Barrans and P. M. Cole. 2,200,323; May 14.
Strand handling apparatus. A. C. Nystrom and L. O. Reichelt. 2,200,933; May 14.
Strands, Method of and apparatus for assembling. V. S. Martin. 2,200,961; May 14.
Strip metal, Coiling of continuous. F. K. Schefe. 2,200,656; May 14.
Strips of material, Propelling means for long. S. Cohn and J. G. Walter. 2,200,328; May 14.
Structural element including structural shapes. G. R. Brophy and H. J. French. 2,200,872; May 14.
Structural member and making same. C. H. and J. G. Moore. 2,201,047; May 14.
Sulphur by reaction between sulphureted hydrogen and sulphur dioxide, Producing elemental. A. R. Lindblad and F. O. Hernery d. 2,200,928; May 14.
Sulphur, Dispersible hydrophilic. P. J. Ehman and W. O. Walker. 2,201,124; May 14.
Sulphur, Production of. H. Baehr and K. Braus. 2,200,529; May 14.
Superheterodyne receiving circuit. J. Haantjes and B. D. H. Tellegen. 2,200,498; May 14.
Support: *See*—
  Lid support. Tool support.
Support for radio antennae. A. T. Mace. 2,200,888; May 14.
Support for recessed wall fixtures, Toilet roll. P. D. Parsons. 2,201,052; May 14.
Support for stitching machines, Work. J. G. Terzian. 2,201,060; May 14.
Support structure. L. D. Elliott. 2,200,690; May 14.
Surfaces, Finishing. R. S. Drummond. 2,200,544; May 14.
Surfaces immune from rust, Method of and composition for cleaning and rendering metal, C. L. Boyle. 2,200,615; May 14.
Swing. W. H. Fry. 2,200,881; May 14.
Swing hook, Self-oiling. F. H. McLain. 2,201,046; May 14.

Switch: *See*—
  Disconnecting switch. Overload cutout switch.
  Electric switch. Signal switch.
  Light switch. Thermostatic switch.
  Motor driven switch.
Switching arrangement. E. Eichelberg. 2,201,031; May 14.
Synchronizer, Transmission. W. B. Osborne. 2,200,851; May 14.
Target painting device. C. R. Shultz. 2,200,457; May 14.
Telegraph system, Frequency doubling. M. A. Rudd and K. B. Eller. 2,220,344; Apr. 14.
Telephone metering system. F. Lili and W. Pinell. 2,200,796; May 14.
Telephone set, Desk. H. Sengebusch. 2,200,810; May 14.
Telephone system. T. F. Crocker. 2,200,593; May 14.
Telephone system. K. Wolak. 2,200,814; May 14.
Telephone system. J. H. Voss. 2,200,856; May 14.
Telephone system, Automatic. P. Bakker. 2,200,817; May 14.
Telephone system, Automatic. H. P. Boswau. 2,200,820; May 14.
Television in natural color. R. Lorenzen. 2,200,285; May 14.
Television picture reproducing apparatus. R. J. Kemp. 2,200,749; May 14.
Television receiver, Screen. P. M. G. Toulon. 2,201,066; May 14.
Television system. A. A. Linsell. 2,200,753; May 14.
Television transmission. H.-H. Wolff. 2,201,069; May 14.
Temperature control system. W. J. McGoldrick and A. B. Newton. 2,200,241; May 14.
Temperature responsive instrument. E. H. Hammond. 2,201,039; May 14.
Temple roll. C. T. Dickey. 2,200,356; May 14.
Tensioning means. H. A. W. Wood. 2,200,438 May 14.
Tentering clip. L. Slagboom. 2,201,000; May 14.
Textile fabrics, Production and treatment of. D. Finlayson and J. R. Wylde. 2,200,389; May 14.
Textile finishing process. F. C. Wood. 2,200,944; May 14.
Textile material and making same. C. M. Croft. 2,200,383; May 14.
Thermostatic switch. B. P. Pond. 2,200,852; May 14.
Thickness gauge, Manually operated. R. S. Fox. 2,200,880; May 14.
Thread gauge. S. G. Johnson. 2,200,885; May 14.
3,3'-Dihalogen-dianthrahydroquinoneazine tetrasulphuric acid esters and making the same. O. Stallmann. 2,200,480; May 14.
Throttle control, Engine. T. Zintsmaster. 2,201,070; May 14.
Tie tamping machine, Railroad. A. M. Brown. 2,201,023; May 14.
Tiling. J. Weiland. 2,201,129; May 14.
Timepiece regulating system and method. F. T. Hicks. 2,200,604; May 14.
Timing device. T. R. Spalding. 2,200,586; May 14.
Timing mechanism. J. R. Moore. 2,201,048; May 14.
Tire, Pneumatic safety. J. P. Crowley. 2,200,916; May 14.
Tobacco pipe. F. Hudes. 2,200,393; May 14.
Tool: *See*—
  Applicator tool. Split-washer-removing tool.
  Riveting tool.
Tool for machining tapered bores. J. E. Kline. 2,200,506; May 14.
Tool grinding fixture. J. J. Harten. 2,200,883; May 14.
Tool support. A. J. Miller. 2,200,799; May 14.
Toothpick dispensing device. J. Monzroll. 2,200,398; May 14.
Towel cabinet. R. P. F. De Bersaques. 2,200,823; May 14.
Track drilling machine. E. A. Everett. 2,201,033; May 14.
Tractor implement attachment. A. C. Lindgren. 2,200,777; May 14.
Traffic controlling means for parking lots and one-way drives. C. T. Rice. 2,200,639; May 14.
Train control system for railroads, Automatic. P. W. Smith. 2,201,116; May 14.
Transformer tap-changing system. L. F. Blume. 2,200,979; May 14.
Translucent display. R. M. Nelson and K. W. McNeill. 2,200,339; May 14.
Transmission media, Fluid pressure. H. R. Fife. 2,200,495; May 14.
Transmission system. D. Mitchell and H. Nyquist. 2,200,559; May 14.
Transparent projection screen. J. D. Strong and R. Hayward. 2,200,646; May 14.
Trap: *See*—
  Animal trap.
Traverse mechanism for yarn-winding machines. D. Finlayson. 2,200,388; May 14.
Tread, Antiskid. F. G. Neal. 2,201,113; May 14.
Truck, Railway. D. S. Barrows. 2,200,571; May 14.
Truck tail-gate lift. C. W. Van Blarcom and W. A. Harris. 2,200,436; May 14.
Tube renovation. R. Armstrong. 2,200,528; May 14.
Tube testing device. W. De Verter. 2,200,618; May 14.
Turbine. A. Lysholm. 2,200,287; May 14.
Tuyère. G. Fox. 2,200,497; May 14.
Typewriting machine. C. H. Beiderbecke. 2,200,767; May 14.
Typewriting machine. H. D. Geiser. 2,200,693; May 14.
Typewriting machine. S. A. Neidich. 2,200,932; May 14.
Typographical composing machine. R. E. Sylte. 2,200,707; May 14.
Typographical slug casting machine. H. R. Freund. 2,201,084; May 14.
Umbrella. N. Ronkin. 2,200,897; May 14.
Universal mounting. R. J. Lennon. 2,200,283; May 14.
Unsaturated derivatives or compounds of the cyclopentano polydro phenanthrene series and producing the same. A. Butenandt and F. Hilderbrandt. 2,201,121; May 14.
Vacuum cleaner. D. M. Dow. 2,200,738; May 14.
Valve: *See*—
  Dump valve. Pressure equalizing valve.
  Electroresponsive light valve. Shut-off valve.
Valve actuating mechanism. A. G. Heggem. 2,200,474; May 14.
Valve for hydraulic shock absorbers, Regulating. F. A. Deutsch. 2,201,030; May 14.
Valve for hydraulic systems and apparatus, Control. G. E. Beharrell, J. Wright, and H. Trevaskis. 2,200,830; May 14.
Valve for pressure cookers. P. W. Stephens. 2,200,903; May 14.
Valve mechanism, Compressor shut-off. C. B. Fites. 2,200,598; May 14.
Valve mechanism, Control. W. F. Boldt. 2,200,591; May 14.
Valve, self-closing against pressure. W. A. Yonkers. 2,200,318; May 14.
Valve stem. F. H. Watson. 2,200,785; May 14.
Vapor electric device. L. R. Ludwig. 2,201,007; May 14.
Vapor pressure device. S. C. Carney. 2,200,261; May 14.
Vehicle: *See*—
  Dump vehicle. Motor vehicle.
Vehicle controls, Device for operating. H. W. Struck. 2,200,973; May 14.
Vehicle jack. H. H. Polk. 2,200,904; May 14.
Vehicle position altering device. F. W. Jacobs. 2,200,422; May 14.
Vehicle wheel. J. H. Hunt. 2,200,361; May 14.
Venetian blind bracket. H. K. Lorentzen. 2,200,510; May 14.
Ventilating and air conditioning apparatus, Vehicle. A. R. Lintern. 2,200,992; May 14.
Vibrator. J. Oster. 2,200,635; May 14.
Vibroisolator. S. Rosenzweig. 2,200,561; May 14.
Vulcanizer. G. P. Bosomworth. 2,200,871; May 14.
Vulcanizing apparatus, Continuous. H. T. Battin. 2,200,735; May 14.
Wall building construction, Metal. G. V. Palmer. 2,200,636; May 14.
Wallboard. J. T. Kenney. 2,200,750; May 14.
2,200,750; May 14.
Washer: *See*—
  Boiler washer.
Washer and drier, Combined. W. Armbruster. 2,200,870; May 14.
Water bearing formations, Sealing off. F. A. Bent, A. G. Loomis, and H. C. Lawton. 2,200,710; May 14.
Weapon, Machine. H. Schmeisser. 2,200,780; May 14.
Web splicing device. H. A. W. Wood. 2,200,905; May 14.
Wedge, Window. H. O. Carroll. 2,200,539; May 14.
Weighing device, Automatic. J. W. Harriman. 2,200,602; May 14.
Weight indicator and register for hoists. J. T. Bolen. 2,200,572; May 14.
Well pumping device. R. A. Wilson and R. A. Smith. 2,200,943; May 14.
Wharf. N. F. Helmers. 2,200,550; May 14.
Wheel: *See*—
  Vehicle wheel.
Wheel. W. O. Bechman and R. A. Holmberg. 2,200,766; May 14.
Window. W. Fairley. 2,200,692; May 14.
Window construction. G. Rosenberg. 2,201,126; May 14.
Window mechanism, Automobile door. D. L. Chandler and G. W. Ewing. 2,201,004; May 14.
Window, Removable sliding. S. Fabriani. 2,201,105; May 14.
Window sash guiding and sealing means. G. M. Grady and H. F. Ruberg. 2,200,548; May 14.
Window, Storm. C. B. Weedon. 2,200,568; May 14.
Windshield, Safety. C. E. Ruesch. 2,200,936; May 14.
Work holder. T. M. Lilleberg. 2,200,927; May 14.
Wrench. J. Lizakowski. 2,200,453; May 14.
Yarn brake. H. Schlick. 2,201,015; May 14.
Yarn holding device for knitting machines. R. Hug. 2,201,092; May 14.
Zinc oxide. H. M. Cyr. 2,200,873; May 14.

CLASSIFICATION OF PATENTS

ISSUED MAY 14, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 13. 6: 2,200,560
2— 177: 2,200,783
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A/S Einar Hausvik & Co., Bergen, Norway. Canned fish. Serial No. 425,875; May 21. Class 46.

A/S Kolbjørn Knutsen & Co., Oslo, Norway. Skis, ski bindings, ski poles, etc. Serial No. 415,166; May 21. Class 22.

Abbott Laboratories, North Chicago, Ill. Product having the properties of vitamin K. Serial Nos. 430,166–7; May 21. Class 6.

Adams Bros., Pittsfield, N. H. Shoes. Serial No. 428,514; May 21. Class 39.

Alter, Harry, Co., The, Chicago, Ill. Humidifiers and spot coolers. Serial No. 427,951; May 21. Class 34.

Aluminum Paint & Color Co. (See Sullivan, John R.)

Ambrosia Chocolate Company, Milwaukee, Wis. Chocolate, cocoa, and candy. Serial Nos. 416,238–9; May 21. Class 46.

American Products Company, The, doing business as The Visco Chemical Products Co. and Veeco Chemical Products Co., Cincinnati, Ohio. Glass cleaner, upholstery and rug cleaner, stove polish, etc. Serial No. 424,984; May 21. Class 4.

American Thermos Bottle Company, The, Norwich, Conn. Vacuum, thermostatic, and heat-insulated vessels. Serial No. 424,421; May 21. Class 2.

Andrea Radio Corp., Woodside, N. Y. Electric phonographs. Serial No. 429,085; May 21. Class 36.

Autocall Company, The, Shelby, Ohio. Electrical signalling systems and apparatus in the nature of code sending devices. Serial No. 416,717; May 21. Class 21.

B-K-T Products Co., The, St. Joseph, Mo. Cold tablets. Serial No. 429,163; May 21. Class 6.

Banton Corporation, The, New York, N. Y. Catsup, chili sauce, canned berries, etc. Serial No. 427,925; May 21. Class 46.

Blecker & Stein, Philadelphia, Pa. Hair lotion. Serial No. 429,166; May 21. Class 6.

Blair Corset Company, Chicago, Ill. Brassières and corsets. Serial No. 429,681; May 21. Class 39.

Bodie-Hoover Petroleum Corporation, Chicago, Ill. Lubricating oils and lubricating greases. Serial No. 427,576; May 21. Class 15.

Böhm, Hans L., London, England. Magazine. Serial No. 419,008; May 21. Class 38.

Bradford Frocks, Inc., New York, N. Y. Dresses, sport frocks, coats, etc. Serial No. 429,969; May 21. Class 39.

Bray Chemical Co., Chicago, Ill. Lye. Serial No. 430,588; May 21. Class 6.

British Columbia Peat Products, Limited, Vancouver, British Columbia, Canada. Peat moss. Serial No. 425,136; May 21. Class 1.

Broxson, J. E., New Orleans, La. Beer and ale. Serial No. 430,014; May 21. Class 48.

Burchell Products, Incorporated, New York, N. Y. Electrically illuminated window display devices. Serial No. 422,924; May 21. Class 21.

Burrough Brothers Manufacturing Company, doing business as Burrough Brothers Mfg. Company, Baltimore, Md., and Cleveland, Ohio. Preparation for use as a digestant and adjuvant. Serial No. 429,027; May 21. Class 6.

Cain, Matthew F., doing business as Matt Soap Co., New Orleans, La. Preparation for cleaning. Serial No. 416,838; May 21. Class 4.

Campana Corporation, Batavia, Ill. Skin lotions. Serial No. 430,590; May 21. Class 6.

Carrom Industries, Inc., Ludington, Mich. Board game. Serial No. 430,119; May 21. Class 22.

Cat's Paw Rubber Company, Inc., Baltimore, Md. Rubber heels. Serial No. 427,700; May 21. Class 39.

Central Processing Corporation, New York, N. Y. Decorated, printed, and ornamented knitted and woven piece goods. Serial No. 428,215; May 21. Class 42.

Citrox Laboratories, Inc., Chesterland, Ohio. Sterile medicated ointment. Serial Nos. 426,547–8; May 21. Class 6.

Cleveland Mill and Power Company, Lawndale, N. C. Cotton cable cord. Serial No. 430,056; May 21. Class 7.

Cohen, Jos. S., & Sons Co., Inc., New York, N. Y. Cotton piece goods. Serial No. 429,730; May 21. Class 42.

Colordination Group, Inc., New York, N. Y. Coats, suits, dresses, etc. Serial No. 427,499; May 21. Class 39.

Colorvision Ads. Inc., New York, N. Y. Electrically illuminated signs and parts thereof. Serial No. 430,019; May 21. Class 21.

Columbia Mills, Inc., The, New York, N. Y. Venetian blinds and parts thereof. Serial No. 430,726; May 21. Class 32.

Columbia Products Corporation, New York, N. Y. Velour piece goods. Serial No. 426,437; May 21. Class 42.

Columbia Recording Corporation, New York, N. Y. Phonograph records and record blanks. Serial No. 429,840; May 21. Class 36.

Concord Fabrics, New York, N. Y. Textile fabrics in the piece. Serial No. 430,057; May 21. Class 42.

Cranberry Canners, Inc., South Hanson, Mass. Cranberry juice. Serial No. 429,843; May 21. Class 46.

Crown Products Corporation, San Francisco, Calif. Olive oil, vinegar, mayonnaise, etc. Serial No. 422,577; May 21. Class 46.

Cutelarias Adaga Limitada, Rio de Janeiro, United States of Brazil. Razors, razor blades, penknives, etc. Serial No. 427,576; May 21. Class 23.

Dan-Dee Pretzel and Potato Chip Company, The, Cleveland, Ohio. Potato chips. Serial No. 430,071; May 21. Class 46.

Davies-Young Soap Company, The, Dayton, Ohio. Cleaning compound. Serial No. 429,560; May 21. Class 4.

Dawn Mfg. Corp., The, Rochester, N. Y. Copy holders. Serial No. 429,517; May 21. Class 37.

Dehls & Stein, Inc., Newark, N. J. Liquid disinfectant and mould destroyer. Serial No. 417,366; May 21. Class 6.

Detroit Lubricator Company, Detroit, Mich. Refrigeration expansion valves. Serial No. 429,899; May 21. Class 26.

Deutsche Fensterglas Ausfuhr Gesellschaft m. b. H. Defag, Frankfort-on-the-Main, Germany. Window glass. Serial No. 424,619; May 21. Class 33.

Devonshire-Arctic Chemical Co., Boston, Mass. Cleaning compound. Serial No. 429,936; May 21. Class 4.

Drewrys Dry Ginger Ale, U. S. A., Inc., Detroit, Mich. Maltless beverages and extracts for making same. Serial No. 429,520; May 21. Class 45.

Eastman Kodak Company, Rochester, N. Y. Dyes. Serial No. 429,222; May 21. Class 6.

Eastman Kodak Company, Rochester, N. Y. Guides and scales. Serial No. 430,021; May 21. Class 26.

East-Side Winery, Lodi, Calif. Wines. Serial No. 429,692; May 21. Class 47.

Electrical Products Company. (See Shaffer, Leo A.)

Emanuel, Jay, Publications, Inc., Philadelphia, Pa. Trade publication. Serial No. 429,257; May 21. Class 38.

Erlinder, Atwood E., Chicago, Ill. Toy armored cars. Serial No. 429,850; May 21. Class 22.

Famous-Barr Company. (See May Department Stores Company, The.)

Feltman & Curme Shoe Stores Co., Inc., Chicago, Ill. Shoes. Serial No. 428,805; May 21. Class 39.

Firestone Tire & Rubber Company, The, Akron, Ohio. Sponge rubber cushions, pillows, mattresses, etc. Serial No. 430,373; May 21. Class 32.

Firestone Tire & Rubber Company, The, Akron, Ohio. Tire repair, gum materials in sheet form. Serial Nos. 430,549–50; May 21. Class 35.

Fraser Manufacturing Co. Inc., New York, N. Y. Knitting and crocheting yarn. Serial No. 428,113; May 21. Class 43.

French, Thomas, and Sons Limited, Manchester, England. Venetian blind ladder webbing. Serial No. 428,725; May 21. Class 40.

Fretted Instrument Mfrs. Inc., Newark, N. J. Musical instrument strings. Serial No. 428,686; May 21. Class 36.

Gamble Stores Incorporated, Minneapolis, Minn. Automobile tires and tubes. Serial No. 430,596; May 21. Class 35.

Gantz, William O., Los Angeles, Calif. Nut cracker. Serial No. 429,023; May 21. Class 23.

General Construction Corporation, Richmond, Va. Refrigerators. Serial No. 430,599; May 21. Class 31.

Glass & Co. Dress Corp., New York, N. Y. Dresses, coats, suits, etc. Serial No. 429,526; May 21. Class 39.

Gordon-Stables, Ida, London, England. Cosmetics. Serial No. 425,644; May 21. Class 6.

Gottardi, Richard, New York, N. Y. Wines. Serial No. 423,598; May 21. Class 47.

Green Bay Food Co., Green Bay, Wis. Mayonnaise, jellies, sweet onions, etc. Serial No. 420,669; May 21. Class 46.

Green Bay Food Co., Green Bay, Wis. Mayonnaise, jellies, sweet onions, etc. Serial No. 420,671; May 21. Class 46.

Green & Gold Groves, Inc., Pico, Calif. Fresh citrus fruits. Serial No. 429,852; May 21. Class 46.

Greenblau, Abe J., Chicago, Ill. Machine for making photo-copies. Serial No. 428,546; May 21. Class 26.

Gruendler Crusher and Pulverizer Company, St. Louis, Mo. Feed grinders. Serial No. 430,024; May 21. Class 23.

Guignon, Emile S., Jr., Kansas City, Mo. Hollow sheet metal building blocks. Serial No. 424,273; May 21. Class 12.

Hahn, Wm., Co., Washington, D. C. Shoes. Serial No. 430,132; May 21. Class 39.

Harris Mfg. Co., New York, N. Y. Waterproof shampoo capes. Serial No. 427,430; May 21. Class 39.
Hermes S. A., Paris, France. Perfumes, toilet waters, eau de cologne, etc. Serial No. 423,421; May 21. Class 6.
Homasote Company, Inc., Fernwood, N. J. Wall board and sheet material. Serial No. 425,571; May 21. Class 12.
International Cellucotton Products Company, Chicago, Ill. Sheet metal box. Serial No. 423,914; May 21. Class 2.
International Paint Company, Inc., New York, N. Y. Anti-fouling marine paints. Serial No. 429,530; May 21. Class 16.
Juvenile Shoe Corporation of America, The, Aurora, Mo. Shoes. Serial No. 429,613; May 21. Class 39.
Kaufman, Jack, doing business as Shield Company, Tucson, Ariz., and Atlanta, Ga. Preparation for relief of simple headaches, colds, neuralgia, etc. Serial No. 429,856; May 21. Class 6.
Kimble Glass Company, Vineland, N. J. Chemical, scientific, and laboratory glassware. Serial Nos. 423,218–19; May 21. Class 26.
Knapp-Monarch Company, St. Louis, Mo. Electrical appliances. Serial No. 429,984; May 21. Class 21.
Kokemuller, Regina, doing business as Gene Koke, Chicago, Ill. Skin cream and skin oil. Serial No. 430,231; May 21. Class 6.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Hydrogenated vegetable oil product. Serial No. 429,614; May 21. Class 46.
Lander Co. Inc., New York, N. Y. Rouge, lipstick, and nail polish. Serial No. 430,281; May 21. Class 6.
Lewis, William B., Pickens, S. C. Shoe polish. Serial No. 428,992; May 21. Class 4.
L'Hermitage-Elk Grove, Elk Grove, Calif. Wines. Serial Nos. 429,945–6; May 21. Class 47.
Lincoln Fabrics Inc., New York, N. Y. Piece goods. Serial No. 429,987; May 21. Class 42.
Lockport Brewing Company, Lock Haven, Pa. Beer and ale. Serial No. 429,816; May 21. Class 48.
Lodi Distributing Co., Incorporated, Lodi, Calif. Fresh grapes. Serial No. 429,550; May 21. Class 46.
Los Angeles Importing Co. Inc., Los Angeles, Calif. Olive oil. Serial No. 429,988; May 21. Class 46.
Los Angeles Pharmacal Co. (See Olea, Lucila.)
Mallard, Karl, doing business as A. E. Mallard, Detroit, Mich. Medicinal preparation. Serial Nos. 429,120–1; May 21. Class 6.
Marathon Watch Company. (See Markham, Harold.)
Markham, Harold, doing business as Marathon Watch Company, Chicago, Ill. Watches. Serial No. 424,512; May 21. Class 27.
Matt Soap Co. (See Cain, Matthew F.)
May Department Stores Company, The, New York, N. Y.: Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo., also doing business as Famous-Barr Company, St. Louis, Mo. Shoes, oxfords, strap sandals, etc. Serial No. 430,242; May 21. Class 39.
McKim, Orville E., Port Chester, N. Y. Insecticides. Serial No. 430,616; May 21. Class 6.
McNeil Laboratories, Incorporated, Philadelphia, Pa. Medicinal preparation. Serial No. 430,556; May 21. Class 6.
Medical Chemicals, Inc., Baltimore, Md. Medicinal preparation for use in treating infections. Serial No. 430,356; May 21. Class 6.
Merrill, T. R., doing business as Merrill Packing Company, Salinas, Calif. Fresh vegetables. Serial No. 429,862; May 21. Class 46.
Mitchell Manufacturing Company, Chicago, Ill. Radio receiving sets. Serial No. 429,947; May 21. Class 21.
Mohawk Rubber Company, The, Akron, Ohio. Pneumatic vehicle tires. Serial No. 430,186; May 21. Class 35.
Moyer & Son, Los Angeles, Calif., doing business as Robt. D. Moyer, Littlerock, Calif. Fresh deciduous fruits. Serial No. 429,187; May 21. Class 46.
Myers, Ralph E., doing business as Ralph E. Myers Co., Salinas, Calif. Fresh Vegetables. Serial No. 419,591; May 21. Class 46.
National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Farm machinery. Serial No. 421,528; May 21. Class 23.
National Dry Limited of London, Canada, London, Ontario, Canada. Maltless beverages, and sirups and extracts for making the same. Serial No. 428,440; May 21. Class 45.
National Electric Products Corporation, Pittsburgh, Pa. Non-metallic sheathed cable. Serial No. 427,901; May 21. Class 21.
Neumann, Morton G., doing business as Valmor Products Co., Chicago, Ill. Hair dressing preparation. Serial No. 430,515; May 21. Class 6.
Newport News Overfold Company, Newport News, Va. Duplicating statement forms for ledger cards. Serial No. 429,102; May 21. Class 37.
Ogden, Henry G., Buchanan, Mich. Rowing machines and the like. Serial No. 429,713; May 21. Class 22.
Old Ben Coal Corporation, Chicago, Ill. Coal. Serial Nos. 429,370–1; May 21. Class 1.
Olea, Lucila, doing business as Los Angeles Pharmacal Co., Los Angeles, Calif. Palatable stimulant expectorant. Serial No. 430,286; May 21. Class 6.
Pacific American Fisheries, Inc., South Bellingham, Wash. Canned salmon. Serial Nos. 429,864–5; May 21. Class 46.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Action game. Serial No. 430,331; May 21. Class 22.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Novelty card game. Serial No. 430,744; May 21. Class 22.
Patterson, Nat J., Fort Meade, Fla. Canned fruits and vegetables. Serial No. 429,823; May 21. Class 46.
Pescara, Aurelio P., doing business as Practical Bathingsuit Co., New York, N. Y. Bathing suits. Serial No. 429,951; May 21. Class 39.
Phalen, W. H., Fond du Lac, Wis. Ignition service parts. Serial No. 420,021; May 21. Class 21.
Pick Manufacturing Company, West Bend, Wis. Oil filters. Serial No. 430,146; May 21. Class 31.
Practical Bathingsuit Co. (See Pescara, Aurelio P.)
Price, Robert N., doing business as 10-Erbs Root Beer Company, Chicago, Ill. Nonalcoholic, maltless, carbonated beverages. Serial No. 421,322; May 21. Class 45.
Progressive Clothing Manufacturing Company, Philadelphia, Pa. Overcoats and top coats. Serial No. 429,321; May 21. Class 39.
RCA Manufacturing Company, Inc., Camden, N. J. Television cameras and parts thereof. Serial No. 424,102; May 21. Class 21.
Rainier Brewing Company, San Francisco, Calif. Beer. Serial No. 427,476; May 21. Class 48.
Rosenholz, J., Inc., New York, N. Y. Piece goods. Serial No. 429,885; May 21. Class 42.
Rosenthal, Bernard, doing business as A. Rosenthal & Son, Boston, Mass. Wallets or billfolds. Serial No. 429,748; May 21. Class 3.
Sanozone Corporation, Detroit, Mich. Apparatus for generating and using ozone. Serial No. 429,791; May 21. Class 21.
Sawdon Company, Inc., The, New York, N. Y. Envelopes. Serial No. 418,366; May 21. Class 37.
Schumacher, F., & Co., doing business as Waverly Fabrics, Division of F. Schumacher & Co., New York, N. Y. Upholstery and drapery fabrics. Serial No. 429,459; May 21. Class 42.
Shaffer, Leo A., doing business as Electrical Products Company, Kendallville, Ind. Bicycle generators. Serial No. 416,874; May 21. Class 21.
Sherman, George E., Company, Inc., New York, N. Y. Detergent and dyeing agent. Serial No. 430,698; May 21. Class 6.
Shield Company. (See Kaufman, Jack.)
Shield Foods, Inc., Buffalo, N. Y. Canned fruits and vegetables. Serial No. 429,492; May 21. Class 46.
Shuttleworth, Frank, Vineland, N. J. Glass tooth brush holding tubes. Serial No. 427,681; May 21. Class 33.
Sickles, F. W., Company, The, Springfield, Mass. Electrical trimmers and electrical condensers. Serial No. 428,444; May 21. Class 21.
Silverman, M., & Son, Inc., Philadelphia, Pa. Sheets and pillow cases. Serial No. 426,906; May 21. Class 42.
Skyline Manufacturing Company, Inc., Kingston, N. Y. Children's clothing. Serial No. 427,725; May. 21. Class 39.
Smith, James H., & Sons Corp., Griffith, Ind. Light distributing apparatus. Serial No. 428,707; May 21. Class 26.
Smith, Mitchell, North Tonawanda, N. Y. Gasoline, motor oil and lubricating grease. Serial No. 429,420; May 21. Class 15.
Solo Products Corporation, New York, N. Y. Barrettes, hair bandeaux, hair ornaments, etc. Serial No. 412,319; May 21. Class 39.
Spitzer, Nathan, New York, N. Y. Tooth powder. Serial No. 417,063; May 21. Class 6.
Stein, A., & Company, Chicago, Ill. Armbands, and apparel belts. Serial No. 423,317; May 21. Class 39.
Stein, A., & Company, Chicago, Ill. Garters, suspenders, armbands, etc. Serial No. 429,198; May 21. Class 39.
Stevens, J. P., & Co., Inc., New York, N. Y. Worsted cloths. Serial No. 420,548; May 21. Class 42.
Stow-Woodward, Inc., Newton and Newton Upper Falls, Mass. Appliances for determining the proper location for the finger openings of bowling balls. Serial No. 429,423; May 21. Class 26.
Strong Electric Corporation, The, Toledo, Ohio. Arc lamps, rectifiers, and replacement parts. Serial No. 425,629; May 21. Class 21.
Sullivan, John R., doing business as Aluminum Paint & Color Co., Cincinnati, Ohio. Aluminum paint. Serial No. 429,873; May 21. Class 16.
Sure-Start Chemical Co., Fort Worth, Tex. Preparation for use in preventing rust, etc. Serial No. 430,045; May 21. Class 6.
Taylor Bedding Mfg. Co., Taylor, Tex. Insulating cotton. Serial No. 429,328; May 21. Class 1.
Tecton Products, New York, N. Y. Vaginal suppository. Serial No. 430,701; May 21. Class 6.
10-Erbs Root Beer Company. (See Price, Robert N.)
Textile Machine Works, Wyomissing, Pa. Counting devices. Serial No. 422,642; May 21. Class 26.
Thermo Electric Products Company, Glendale, Calif. Electric water heaters. Serial No. 428,892; May 21. Class 21.
Timely Clothes, Incorporated, Rochester, N. Y. Men's clothing. Serial No. 430,048; May 21. Class 39.

Times-Mirror Company, The, Los Angeles, doing business as Union Citrus Orchards, Brea, Calif. Fresh citrus fruits. Serial Nos. 429,959–60; May 21. Class 46.
Toledo Pipe Threading Machine Co., The, Toledo, Ohio. Manually and/or power operated tools and/or machines, parts thereof, etc. Serial No. 429,961; May 21. Class 23.
Ton-Tex Corporation, Grand Rapids, Mich. Multiple ply belts and belting of combined rubber and fabric. Serial No. 425,972; May 21. Class 35.
Tootal Broadhurst Lee Co. Limited, Manchester, England. Piece goods. Serial No. 427,603; May 21. Class 42.
Toys and Specialties, Inc., South Bend, Ind. Toy projectile impeller. Serial No. 430,666; May 21. Class 22.
Tropical Garment Manufacturing Corporation, Tampa, Fla. Work clothes. Serial No. 422,185; May 21. Class 39.
Tupman Thurlow Sales Co., Inc., The, New York, N. Y. Cooked hams, shoulders, picnics. Serial No. 419,169; May 21. Class 46.
United Co-Operatives, Inc., Indianapolis, Ind. Woven wire fence, barbed wire, steel posts, etc. Serial No. 429,016; May 21. Class 13.
U. S. Electrical Motors, Inc., Los Angeles, Calif. Electric motors. Serial No. 423,446; May 21. Class 21.
U. S. Industrial Chemicals, Inc., New York, N. Y. Dried molasses fermentation residue product for poultry and livestock. Serial No. 429,379; May 21. Class 46.
Union Citrus Orchards. (See Times-Mirror Company, The.)
Universal Paper Products Company, Chicago, Ill. Paper cups. Serial No. 423,515; May 21. Class 2.
Upholstery Crafts, Chicago, Ill. Upholstered furniture. Serial No. 428,344; May 21. Class 32.
Vacuum Cleaner Service Co. (See Winthrop, John.)
Valmor Products Co. (See Neumann, Morton G.)
Veeco Chemical Products Co. (See American Products Company.)
Virginia Hosiery Associates, Inc., New York, N. Y. Hosiery. Serial No. 429,335; May 21. Class 39.
Visco Chemical Products Co., The. (See American Products Company.)
Waukesha Roxo Company, Milwaukee, Wis. Non-alcoholic, maltless, beverages. Serial No. 425,498; May 21. Class 45.
Waverly Fabrics, Division of F. Schumacher & Co. (See Schumacher, F., & Co.)
Weaver, C. R., Portland, Oreg. Core wash and mold facing. Serial No. 424,572; May 21. Class 1.
Weber, Jules, Inc., New York, N. Y. Olive oil, canned goods and spices. Serial No. 415,676; May 21. Class 46.
Weisstein Bros. & Survol, Los Angeles, Calif. Canned fish. Serial No. 429,112; May 21. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. House organ, published monthly. Serial No. 429,583; May 21. Class 38.
Wilmington Provision Company, Wilmington, Del. Packaged cooked ham. Serial No. 422,389; May 21. Class 46.
Wilson Brothers, Chicago, Ill. Outer shirts, sport shirts, pajamas, etc. Serial No. 428,510; May 21. Class 39.
Winthrop, John, doing business as Vacuum Cleaner Service Co., Paterson, N. J. Electric vacuum cleaners and the dust collecting bags thereof. Serial No. 429,285; May 21. Class 21.
Wood, C. E., Company, Pontiac, Mich. Fishermen's supplies. Serial No. 428,847; May 21. Class 22.

LIST OF REGISTRANTS OF TRADE-MARKS

A. P. W. Paper Company, Inc., Albany, N. Y. Toilet paper. 377,926; May 21; Serial No. 424,285; published Dec. 5, 1939. Class 37.
Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 133,555; renewed Aug. 3, 1940.
Adler & Adler, Inc., New York, N. Y. Women's sportswear. 378,059; May 21. Class 39.
Albion Brewing Co., Inc., San Francisco, Calif. Beverages. 378,000; May 21; Serial No. 426,795; published Mar. 12, 1940. Class 45.
Allied Stores Corporation. (See Jordan Marsh Company, assignor.)
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Dresses. 377,927; May 21; Serial No. 424,330; published Mar. 12, 1940. Class 39.
American Fork & Hoe Company, The, Cleveland, Ohio. Hand agricultural implements and edged tools. 378,051; May 21. Class 23.
American Isteg Steel Corporation, New York, N. Y. Steel bars. 377,954; May 21; Serial No. 426,147; published Mar. 12, 1940. Class 14.
American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. 130,030; renewed Apr. 6, 1940.
American Tobacco Company, The, New York, N. Y. Smoking tobacco and cigarettes. 130,031; renewed Apr. 6, 1940.
American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. 130,034; renewed Apr. 6, 1940.
American Tobacco Company, The, New York, N. Y. Cigarettes, smoking and chewing tobacco. 130,035; renewed Apr. 6, 1940.
American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. 130,615; renewed May 4, 1940.
American Window Glass Company, Pittsburgh, Pa. Smoked glass. 377,952; May 21; Serial No. 426,017; published Mar. 12, 1940. Class 33.
American Writing Paper Co., assignor, by mesne assignments, to American Writing Paper Corporation, Holyoke, Mass. Writing and printing paper. 132,081; renewed June 15, 1940.
Arzouyan, Peter, doing business as Westminster Jewelry Mfg. Co., Providence, R. I. Jewelry. 378,052; May 21. Class 28.
Asch, Sunny, New York, N. Y. Infants' bibs. 377,997; May 21; Serial No. 426,755; published Mar. 12, 1940. Class 39.
Atlantic Insulated Wire & Cable Company, Jersey City, N. J., and Stamford, Conn., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Electric wire. 130,629; renewed May 4, 1940.
Austenal Laboratories, Inc., New York, N. Y. Porcelain. 377,900; May 21; Serial No. 409,636; published Mar. 12, 1940. Class 44.
Baker Clothes, Inc., Philadelphia, Pa. Men's suits and men's overcoats. 378,067; May 21. Class 39.
Barnes-Ross Company, The, Indianapolis, Ind. Monthly publication. 134,339; renewed Aug. 31, 1940.
Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Hosiery. 378,034; May 21; Serial No. 427,654; published Mar. 12, 1940. Class 39.
Becker Clothing Incorporated, Cincinnati, Ohio. Suits, topcoats, and overcoats. 377,975; May 21; Serial No. 426,518; published Mar. 12, 1940. Class 39.
Bedford Surgical Co. Inc., Brooklyn, N. Y. Electro-medical apparatus. 377,911; May 21; Serial No. 419,467; published Mar. 12, 1940. Class 44.
Best & Co. Inc., New York, N. Y. Parasols and umbrellas. 377,976; May 21; Serial No. 426,519; published Mar. 12, 1940. Class 41.
Best & Co. Inc., New York, N. Y. Dresses, coats, suits, etc. 378,043; May 21; Serial No. 427,873; published Mar. 12, 1940. Class 39.
Blue Ridge Glass Corporation, Kingsport, Tenn. Glass. 378,021; May 21; Serial No. 427,360; published Mar. 12, 1940. Class 33.
Bon Marche, The. (See Allied Stores Corporation.)
Borg-Warner Corporation. (See Detroit Vapor Stove Company, The, assignor.)
Borg-Warner Corporation, Chicago, Ill., and Detroit, Mich. Refrigerators and parts thereof. 377,910; May 21; Serial No. 417,996; published Mar. 12, 1940. Class 31.
Botany Worsted Mills, Passaic, N. J. Woolen and worsted fabrics. 378,037; May 21; Serial No. 427,749; published Mar. 12, 1940. Class 42.
Botany Worsted Mills, Passaic, N. J. Woolen and worsted piece goods. 378,040; May 21; Serial No. 427,834; published Mar. 12, 1940. Class 42.
Bowline, Floyd, doing business as Bowline Games Co., Beloit, Kans. Game. 378,044; May 21; Serial No. 427,877; published Mar. 12, 1940. Class 22.
Brenner, Maurice, New York, N. Y. Dresses, suits, capes, and blouses, etc. 378,070; May 21. Class 39.
Brentwood Produce Association, Brentwood, Calif. Fresh vegetables. 377,993; May 21; Serial No. 426,686; published Mar. 12, 1940. Class 46.
Bruce, E. L., Company, Memphis, Tenn. Wood flooring. 377,916; May 21; Serial No. 421,300; published Feb. 6, 1940. Class 12.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Grip inserts for bowling balls. 378,046; May 21; Serial No. 427,959; published Mar. 12, 1940. Class 22.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling balls. 378,047; May 21; Serial No. 427,960; published Mar. 12, 1940. Class 22.
Buda Company, The, Harvey, Ill. Gasoline-engines, lifting-jacks, track-drills, etc. 133,597; renewed Aug. 3, 1940.
Burt, John U., Inc., New York, N. Y. Umbrellas. 135,206; renewed Sept. 28, 1940.
Buscaglia, A. & C., Co., assignor to A. & C. Buscaglia, Inc., Buffalo, N. Y. Canned tomatoes, tomato paste, and olive-oil. 129,435; renewed Feb. 24, 1940.
Business Executive Publications, Inc., Washington, D. C. Publication. 377,949; May 21; Serial No. 425,912; published Feb. 20, 1940. Class 38.
Cardox Corporation, Chicago, Ill. Non-destructible cartridges and parts thereof. 378,012; May 21; Serial No. 427,155; published Mar. 5, 1940. Class 9.
Carnelson House Inc., Chicago, Ill. Periodical publication. 377,998; May 21; Serial No. 426,760; published Mar. 5, 1940. Class 38.

Carson, Pirie, Scott & Co., as assignee of Carson Pirie Scott and Company, assignor to Carson Pirie Scott & Company, Chicago, Ill. Nainsooks, muslins, and longcloth, etc. 130,666; renewed May 4, 1940.

Cathedral Foundation, Inc., The, Baltimore, Md. Newspaper. 378,016; May 21; Serial No. 427,293; published Mar. 5, 1940. Class 38.

Cavendish Trading Corp., New York, N. Y. Coats, suits, dresses, etc. 378,017; May 21; Serial No. 427,294; published Mar. 12, 1940. Class 39.

Celanese Corporation of America, New York, N. Y. Synthetic straw. 377,965; May 21; Serial No. 426,326; published Mar. 12, 1940. Class 1.

Celite Products Company, assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Heat-insulating, semi-refractory, filling, and a structural material. 132,324–6; renewed June 22, 1940.

Charles Wine & Import Company. (See Goldfus, Charles.)

Chekhov Theatre Studio, Incorporated, Ridgefield, Conn. Books. 377,968; May 21; Serial No. 426,358; published Mar. 12, 1940. Class 38.

Chicopee Manufacturing Corporation, New Brunswick, N. J. Plant covers. 377,979; May 21; Serial No. 426,557; published Mar. 12, 1940. Class 50.

City Mills Company, Columbus, Ga. Wheat-flour and self-rising wheat-flour. 134,227–8; renewed Aug. 24, 1940.

Coe Laboratories, Inc., Chicago, Ill. Dental prostheses. 377,919; May 21; Serial No. 422,393; published Mar. 12, 1940. Class 44.

Cohen, B., & Co., Inc., New York, N. Y. Negligees, bathrobes and pajamas. 378,063; May 21. Class 39.

Cohn & Rosenberger, Inc., New York, N. Y. Pins, clips, brooches, etc. 378,029; May 21; Serial No. 427,575; published Mar. 12, 1940. Class 28.

Colorbrite Textiles, Inc., assignor to National Ticking Corp., New York, N. Y. Ticking. 377,925; May 21; Serial No. 423,999; published Mar. 12, 1940. Class 42.

Colyear Motor Sales Company, Los Angeles, Calif. Internal combustion motors, clutch pressure plates, etc., and parts thereof. 377,923; May 21; Serial No. 423,797; published Mar. 12, 1940. Class 23.

Commerce Clearing House, Inc., Chicago, Ill. Magazines. 378,006; May 21; Serial No. 426,923; published Mar. 5, 1940. Class 38.

Cooper Alloy Foundry Co., The, Elizabeth, N. J. Steel castings. 378,007; May 21; Serial No. 426,924; published Mar. 12, 1940. Class 14.

Coppus Engineering Corporation, Worcester, Mass. Gas burners and for combination gas and oil burners. 378,004; May 21; Serial No. 426,879; published Mar. 12, 1940. Class 34.

Coreless Golf Ball Company, Wilmington, Del. Golf balls. 377,953; May 21; Serial No. 426,053; published Mar. 12, 1940. Class 22.

Currick & Leiken Co. Inc., New York, N. Y. Men's sport jackets, suits, and topcoats. 378,062; May 21. Class 39.

Damofle, U. P., doing business as National Fig & Date Company, Chicago, Ill. Dried fruits, nuts, etc. 377,903; May 21; Serial No. 412,631; published Mar. 5, 1940. Class 46.

Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixtures. 378,033; May 21; Serial No. 427,617; published Mar. 12, 1940. Class 21.

Delca Fish Preservators, Inc., Brooklyn, N. Y. Canned pickled herring. 377,819; May 21; Serial No. 422,170; published Mar. 12, 1940. Class 46.

Dell Tire Corp., Chicago Ill. Tires and tubes. 378,041; May 21; Serial No. 427,835; published Mar. 12, 1940. Class 35.

Detex Watchclock Corporation, New York, N. Y. Paper record sheets for time clocks and time recording apparatus. 377,980; May 21; Serial No. 426,938; published Mar. 12, 1940. Class 37.

Detroit Vapor Stove Company, The, assignor, by mesne assignments, to Borg-Warner Corporation, Detroit, Mich. Gas, oil, and coal burning stoves. 130,062; renewed Apr. 6, 1940.

Diamond Shoe Co., New York, N. Y. Boots, shoes and slippers. 135,223; renewed Sept. 28, 1940.

Disney, Walt, Productions, Hollywood, Calif. Wrist watches, pocket watches, electric clocks, etc., and parts thereof. 377,970; May 21; Serial No. 426,401; published Mar. 12, 1940. Class 27.

Disney, Walt, Productions, Hollywood, Calif. Toilet soaps. 377,987; May 21; Serial No. 426,610; published Mar. 12, 1940. Class 4.

Drug Products Co. Inc., The, New York, N. Y. Pharmaceutical preparations. 134,494; renewed Sept. 7, 1940.

Duplex, Incorporated, Los Angeles, Calif. Sash balances. 377,932; May 21; Serial No. 424,845; published Mar. 12, 1940. Class 13.

Elkin, Newton, Shoe Company, Philadelphia, Pa. Shoes. 378,008; May 21; Serial No. 427,114; published Mar. 12, 1940. Class 39.

Erosion Check Dam Company. (See Skow, Floyd A.)

Evans Bros., Riverside, Calif. Fresh citrus fruit. 377,939; May 21; Serial No. 425,196; published Mar. 12, 1940. Class 46.

Evans Products Company, Detroit, Mich. Complete oil and gas building heating and air conditioning units, furnaces, etc. 377,985; May 21; Serial No. 426,567; published Mar. 12, 1940. Class 34.

Everedy Company, The, Frederick, Md. Cooking hollowware. 378,022; May 21; Serial No. 427,370; published Mar. 12, 1940. Class 13.

Fairmont Canning Company, Fairmont, Minn. Trading coupons or stamps. 377,905; May 21; Serial No. 415,890; published Mar. 5, 1940. Class 38.

Finch, Joseph S., and Company, New York, N. Y., and Schenley, Pa. Whiskey, gin, rum, etc. 378,042; May 21; Serial No. 427,838; published Mar. 12, 1940. Class 49.

Fire-Gard Corporation, San Francisco, Calif. Portable hand fire extinguishers. 377,902; May 21; Serial No. 412,500; published Mar. 12, 1940. Class 23.

Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient vehicle tires. 378,058; May 21. Class 35.

Firestone Tire & Rubber Company, The, Akron, Ohio. Tires. 377,907; May 21; Serial No. 416,410; published Mar. 12, 1940. Class 35.

Fischer & Co., Inc., New York, N. Y. Pajamas and silk underwear. 378,050; May 21. Class 39.

Fix-M Products Company. (See Taylor, Albert M.)

Forbes & Wallace, Inc., Springfield, Mass. Sanitary napkins. 377,966; May 21; Serial No. 426,332; published Mar. 12, 1940. Class 44.

Fox Feature Syndicate, Inc., Jersey City, N. J., and New York, N. Y. Toy projector. 377,950; May 21; Serial No. 425,916; published Mar. 12, 1940. Class 22.

Fraser Companies, Limited, Edmundston, New Brunswick, Canada. Wood pulp and chemical pulp. 377,906; May 21; Serial No. 416,085; published Nov. 7, 1939. Class 1.

Gale Shoe Mfg. Co., Boston, Mass. Shoes. 378,027; May 21; Serial No. 427,534; published Mar. 12, 1940. Class 39.

Garlock Packing Company, The, Palmyra, N. Y. Lubricating oils and greases. 377,981; May 21; Serial No. 426,945; published Mar. 12, 1940. Class 15.

Garlock Packing Company, The, Palmyra, N. Y. Sealing compound for use in connection with gasket and pipe joints. 377,982–3; May 21; Serial Nos. 426,946–7; published Mar. 12, 1940. Class 12.

Garlock Packing Company, The, Palmyra, N. Y. Lubricating grease. 378,035; May 21; Serial No. 427,659; published Mar. 12, 1940. Class 15.

Geist, Geraldine R., New York, N. Y. House-coats, pajamas, culottes, etc. 378,068; May 21. Class 39.

General Cable Corporation. (See Atlantic Insulated Wire & Cable Company, assignor.)

General Tire & Rubber Company, The, Akron, Ohio. Rubber composition. 377,962; May 21; Serial No. 426,292; published Mar. 12, 1940. Class 1.

Gibbs, Thomas R., Washington, D. C. Medicinal ointment. 377,944; May 21; Serial No. 425,408; published Mar. 5, 1940. Class 6.

Glen Kel Publishing Company, Inc., New York, N. Y. Magazine. 377,928; May 21; Serial No. 424,350; published Mar. 5, 1940. Class 38.

Glidden Company, The, Cleveland, Ohio, doing business as The A. Wilhelm Company, Reading, Pa. Paints and painters' materials. 377,999; May 21; Serial No. 426,771; published Mar. 12, 1940. Class 16.

Globe Roofing Products Co. Inc., Chicago, Ill. Asphalt composition roll siding and asphalt shingles. 377,984; May 21; Serial No. 426,949; published Mar. 12, 1940. Class 12.

Goldberger, Leo J. (See Graves, Willard E., assignor.)

Goldberger, Sandor, Inc., New York, N. Y. Necklaces and bracelets, finger rings, etc. 377,967; May 21; Serial No. 426,345; published Mar. 5, 1940. Class 28.

Goldfus, Charles, doing business as Charles Wine & Import Company, Minneapolis, Minn. Scotch whiskey. 378,060; May 21. Class 49.

Goodyear Tire & Rubber Company, The. (See Marathon Tire & Rubber Co. assignor.)

Grant, W. T., Company, New York, N. Y. Hosiery. 134,665; renewed Sept. 14, 1940.

Graves, Willard E., assignor to Leo J. Goldberger, New York, N. Y. Dresses. 134,667; renewed Sept. 14, 1940.

Greenberg, Max, & Co. Inc., to Max Greenberg & Co., Inc., New York, N. Y., successor. Dresses, dress-waists, outer suits, etc. 120,973; renewed Mar. 19, 1938.

Haas, Baruch & Co., Los Angeles, Calif. Certain named foods. 130,312; renewed Apr. 20, 1940.

Heller, B., and Company, assignor to B. Heller and Company, Chicago, Ill. Soluble and powdered stabilizing agent. 134,375; renewed Aug. 31, 1940.

High Rock Sales Agency, New York, N. Y. Knitted underwear and sweaters. 377,931; May 21; Serial No. 424,808; published Mar. 12, 1940. Class 39.

Hinkley, Albert, Newark, N. J. Stove polish. 131,139; renewed May 4, 1940.

Holophane Company, Inc., New York, N. Y. Globes and reflectors. 378,018–19; May 21; Serial Nos. 427,303–4; published Mar. 12, 1940. Class 34.

Ilg Electric Ventilating Company, New Orleans, La., and Chicago, Ill., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Electrically-operated fans and blowers. 134,976–7; renewed Sept. 21, 1940.

Imperial Varnish and Color Company, Limited, Toronto, Ontario, Canada. Paints and varnishes, painter's materials, etc. 133,263; renewed July 20 1940.

Industrial Research Laboratories, Ltd., Los Angeles, Calif. Pipe joint sealing composition. 377,957; May 21; Serial No. 426,202; published Mar. 5 ,1940. Class 12.

International Milling Company, New Prague, assignor to International Milling Company, Minneapolis, Minn. Wheat-flour. 131,910; renewed May 25, 1940.

International Milling Company, New Prague, assignor to International Milling Company, Minneapolis, Minn. Wheat-flour. 182,001; renewed June 8, 1940.

International Milling Company, New Prague, assignor to International Milling Company, Minneapolis, Minn. Wheat-flour. 132,179; renewed June 15, 1940.

Jawine Company, The. (See Weinberger, Julius A.)

Jerome Company, Chicago, Ill. Creme de cacao, cherry and peach liqueurs, etc. 378,038; May 21; Serial No. 427,807; published Mar. 12, 1940. Class 49.

Jewish Agricultural and Industrial Aid Society, The, New York, N. Y., by change of name to The Jewish Agricultural Society, Inc. Monthly periodical magazine. 127,066; renewed Oct. 21, 1939.

Johns-Manville Corporation. (See Celite Products Company, assignor.)

Johnson City Mills, Johnson City, Tenn. Hosiery. 134,694; renewed Sept. 14, 1940.

Judy, Wills S., Lexington, assignor to W. S. Judy Seed Co. Inc., Pine Grove, Ky. Tobacco-seed. 134,696; renewed Sept. 14, 1940.

Keasbey & Mattison Company, Ambler, Pa. Fire-resistant building boards, insulating and sound-deadening boards, etc. 378,028; May 21; Serial No. 427,543; published Mar. 12, 1940. Class 12.

Kenway Corporation, Toledo, Ohio. Vertical valve-bottom dippers. 377,940; May 21; Serial No. 425,203; published Mar. 12, 1940. Class 13.

Kestenman Bros. Mfg. Co., Providence, R. I. Metal bracelets, clasps, and buckles. 378,061; May 21. Class 28.

Kimble Glass Company, Vineland, N. J. Glass funnels. 377,988–0; May 21; Serial Nos. 426,622–3; published Mar. 12, 1940. Class 26.

King, Marilyn. (See Saunders, Muriel.)

Klima, Louis, assignor to Klima Bros., New York, N. Y. Bloater paste, anchovy paste, sardine paste, etc. 131,521; renewed May 18, 1940.

Kline's, Incorporated, St. Louis, Mo. Dresses. 378,023; May 21; Serial No. 427,467; published Mar. 12, 1940. Class 39.

Kraft, David H., New York, N. Y. Slips and panties. 378,001; May 21; Serial No. 426,810; published Mar. 12, 1940. Class 39.

LaTouraine Coffee Co. (See Quinby, W. S., Company, assignor.)

Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat-flour. 132,986; renewed July 6, 1940.

Lefcort Hosiery Company, Inc., New York, N. Y. Silk hosiery. 378,064; May 21. Class 39.

Lever Brothers Company, Cambridge, Mass. Cooking compound. 134,252; renewed Aug. 24, 1940.

Lever Brothers Company, Cambridge, Mass. Soap. 378,036; May 21; Serial No. 427,673; published Mar. 12, 1940. Class 4.

Lloyd Manufacturing Co., Inc., Apponaug, R. I. Card cloth (card clothing foundation). 377,912; May 21; Serial No. 419,617; published Mar. 12, 1940. Class 50.

Luxor Hat Co., Inc., New York, N. Y. Ladies' and misses' hats. 378,039; May 21; Serial No. 427,813; published Mar. 12, 1940. Class 39.

Lynn Innersole Company, Melrose, Mass. Inner soles. 378,002; May 21; Serial No. 426,824; published Mar. 12, 1940. Class 39.

Majestic Paper Corporation, New York, N. Y. Writing and typewriting paper. 377,920; May 21; Serial No. 423,104; published Mar. 12, 1940. Class 37.

Many, Blanc & Co., Inc., Chicago, Ill. Rum, whiskey, gin, etc. 377,922; May 21; Serial No. 423,632; published Mar. 12, 1940. Class 49.

Marathon Tire & Rubber Co., The, Cuyahoga Falls, assignor, by mesne assignments, to The Goodyear Tire & Rubber Company, Akron, Ohio. Composition rubber material. 132,741; renewed June 29, 1940.

Marsh, Jordan, Company, Boston, Mass., assignor, by mesne assignments, to Allied Stores Corporation, Wilmington, Del., and Paterson, N. J. Handkerchiefs. 130,324; renewed Apr. 20, 1940.

Maryland Paper Products Co., Baltimore, Md. Drinking straws. 377,958; May 21; Serial No. 426,211; published Mar. 12, 1940. Class 50.

Masonite Corporation, Chicago, Ill. Fiber board, thermal insulating board, composite board, etc. 377,897; May 21; Serial No. 391,331; published July 20, 1937. Class 12.

Match King, Inc., Chicago, Ill. Cameras. 378,054; May 21. Class 26.

McIntosh, Kenneth, doing business as Raytec Ltd., Los Angeles, Calif. Photo-electric cells, light sources for the control of photo-electric cells, etc. 377,901; May 21; Serial No. 412,453; published Mar. 12, 1940. Class 21.

Metal Textile Corporation, West Orange, N. J. Paper dolls. 377,915; May 21; Serial No. 421,192; published Mar. 12, 1940. Class 22.

Meyer, Charles R., assignor to The Ohio Savings and Trust Company, guardian of the property and estate of Charles R. Meyer, doing business as Charles R. Meyer and Company, New Philadelphia, Ohio. Remedy for certain named ailments. 129,793; renewed Mar. 9, 1940.

Miami Knitting Mills. (See Schlanger, Hyman.)

Morris & Yeomans, Limited, Redditch, England. Fancy goods, furnishings, and notions. 134,516; renewed Sept. 7, 1940.

Muirson Label Company, Inc., New York, N. Y. Canned fruits and canned vegetables. 377,991; May 21; Serial No. 426,662; published Mar. 12, 1940. Class 46.

Myron's Incorporated, Port Arthur, Tex. Fur coats, jackets, capes, etc. 378,066; May 21.

National Biscuit Company, Jersey City, N. J., and New York, N. Y., to National Biscuit Company, New York, N. Y. Biscuit. 132,751; renewed June 29, 1940.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Cigars, cigarettes, smoking tobacco, etc. 377,941; May 21; Serial No. 425,289; published Mar. 12, 1940. Class 17.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Coal, coke, kindling wood, etc. 377,942; May 21; Serial No. 425,291; published Mar. 12, 1940. Class 1.

National Fig & Date Company. (See Damofle, U. P.)

National Ticking Corp. (See Colorbrite Textiles, Inc., assignor.)

Nelson, Mamye E., doing business as TCR Advertising and Sales Co., New York, N. Y. Publications. 377,945; May 21; Serial No. 425,483; published Mar. 5, 1940. Class 38.

Neumode Hosiery Co., Kankakee and Chicago, Ill. Hosiery. 378,053; May 21. Class 39.

News Map of the Week, Inc., Chicago, Ill. Periodical publication. 377,913; May 21; Serial No. 419,931; published Mar. 12, 1940. Class 38.

North American Rayon Corporation, New York, N. Y. Thread and yarn. 378,030; May 21; Serial No. 427,589; published Mar. 12, 1940. Class 43.

North Star Woolen Mill Company, Minneapolis, Minn. Blankets, and fabrics. 377,924; May 21; Serial No. 423,982; published Mar. 12, 1940. Class 42.

Nutrena Mills, Inc., Kansas City, Kans. Stock and poultry feeds. 378,020; May 21; Serial No. 427,358; published Mar. 12, 1940. Class 46.

Ohio Savings and Trust Company, The. (See Meyer, Charles R., assignor.)

Oneida Ltd., Sherrill and Oneida, N. Y. Silver-plated flatware. 378,069; May 21. Class 28.

Osco Motors Corporation, Philadelphia, Pa. Internal Combustion engine manifolds and parts therefor. 378,049; May 21. Class 23.

Pan American Products Corp., Newark, N. J. Cigarettes. 377,959; May 21; Serial No. 426,218; published Mar. 12, 1940. Class 17.

Pepperell Manufacturing Company, assignor to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 132,225; renewed June 15, 1940.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 377,914; May 21; Serial No. 420,112; published Mar. 12, 1940. Class 46.

Pneumercator Company, New York, N. Y. Measuring appliances. 131,822; renewed May 25, 1940.

Prime Shirt Co., Inc., to Morris Stein, New York, N. Y., successor. Outer shirts and pajamas. 128,825; renewed Jan. 13, 1940.

Princess Fabrics Inc., New York, N. Y. Silks, woolens, rayon, etc. 377,955; May 21; Serial No. 426,168; published Mar. 12, 1940. Class 42.

Prophylactic Products Co., Inc., Boston, Mass., now by change of name Phophylactic Products Corporation. Prophylactic rubber articles. 377,935–7; May 21; Serial Nos. 425,099–101; published Mar. 12, 1940. Class 44.

Pulitzer Publishing Company, The, St. Louis, Mo. Newspaper. 377,977; May 21; Serial No. 426,538; published Mar. 12, 1940. Class 38.

Pulitzer Publishing Company, The, St. Louis, Mo. Magazine section of a newspaper. 377,978; May 21; Serial No. 426,539; published Mar. 12, 1940. Class 38.

Purtle, Albert D., Marietta, Ohio. Polished rod liners and casing head clamps. 378,072; May 21. Class 23.

Quinby, W. S., Company, assignor, by mesne assignments, to LaTouraine Coffee Co., Boston, Mass. Tea. 130,227; renewed Apr. 13, 1940.

Ralston Purina Company, St. Louis, Mo. Stock feed. 134,069; renewed Aug. 10, 1940.

Rand Rubber Company, Brooklyn, N. Y. Dress shields. 378,013; May 21; Serial No. 427,258; published Mar. 12, 1940. Class 40.

Rathjen Bros., Inc., San Francisco, Calif. Whiskey. 377,994–5; May 21; Serial Nos. 426,735–6; published Mar. 12, 1940. Class 49.

Raytec Ltd. (See McIntosh, Kenneth.)

Remington Rand Inc., Buffalo, N. Y. Card indexes, blank and partially printed cards, etc. 377,986; May 21; Serial No. 426,576; published Mar. 12, 1940. Class 37.

Rifkin, Abraham, to A. Rifkin & Co., Wilkes-Barre, Pa., successor. Work-shirts and overalls. 135,056; renewed Sept. 21, 1940.

Rogers, H. L., doing business as Rogers Bread Co., Sapulpa, Okla. Bakery products. 378,057; May 21. Class 46.

Rubino, Ralph, New York, N. Y. Paper napkins. 377,972; May 21; Serial No. 426,498; published Mar. 12, 1940. Class 37.

Ryan-Hampton Tobacco Company, Louisville, Ky. Smoking tobacco. 378,055; May 21. Class 17.

St. Regis Paper Company, New York, N. Y. Paper. 377,917; May 21; Serial No. 422,024; published Mar 12, 1940. Class 37.

Saunders, Muriel, doing business as Marilyn King, San Francisco, Calif. Continuing series of publications. 377,908; May 21; Serial No. 417,064; published Mar. 12, 1940. Class 38.

Schenley Distributors, Inc., New York, N. Y. Gin, whiskey, brandy, etc. 378,048; May 21; Serial No. 427,997; published Mar. 12, 1940. Class 40.

Schlanger, Hyman, doing business as Miami Knitting Mills, New York, N. Y. Bathing suits and trunks. 378,014; May 21; Serial No. 427,260; published Mar. 12, 1940. Class 39.

Sherman Paper Products Corporation, Newton, Mass. Paper. 377,963; May 21; Serial No. 426,307; published Mar. 12, 1940. Class 37.

Sinclair Refining Company, Chicago, Ill., to Sinclair Refining Company, New York, N. Y. Gasolene. 134,089; renewed Aug. 10, 1940.

Skow, Floyd A., doing business as Erosion Check Dam Company, Audubon, Iowa. Erosion check dams. 377,946; May 21; Serial No. 425,492; published Mar. 5, 1940. Class 12.

Sky Brothers, Altoona, Pa. Fresh vegetables, fruits, berries, etc. 377,899; May 21; Serial No. 407,202; published Mar. 12, 1940. Class 46.

Smooth-On Manufacturing Company, Jersey City, N. J. Substances used as a cement in pipe-joints, etc. 377,960; May 21; Serial No. 426,233; published Mar. 5, 1940. Class 12.

Southland Wine Corporation, Richmond, Va. Wines. 377,938; May 21; Serial No. 425,167; published Mar. 12, 1940. Class 47.

Standard Oil Company of New Jersey. Wilmington, Del. Lubricating oils and petroleum waxes. 378,031; May 21; Serial No. 427,600; published Mar. 12, 1940. Class 15.

Standard Oil Company of New Jersey, Wilmington, Del. Asphalts. 378,032; May 21; Serial No. 427,602; published Mar. 12, 1940. Class 12.

Staples, Crawford E., Wilkinsburg, Pa. Model electric railroad apparatus. 377,947; May 21; Serial No. 425,710; published Mar. 12, 1940. Class 21.

Stein, Morris. (See Prime Shirt Co., Inc.)

Svenska "Indux" Nederlaget, Stockholm, Sweden, to Togalwerk Gerhard F. Schmidt Aktiengesellschaft, Mesagno near Lugano, Switzerland, successor. A medicinal preparation. 129,896; renewed Mar. 9, 1940.

TCR Advertising and Sales Co. (See Nelson, Mamye E.)

Tailored Silk Undergarment Co. Inc., New York, N. Y. Slips, nightgowns, pajamas, etc. 378,009; May 21; Serial No. 427,146; published Mar. 12, 1940. Class 39.

Tailored Woman Inc., The, New York, N. Y. Dresses, coats, suits, etc. 378,025; May 21; Serial No. 427,521; published Mar. 12, 1940. Class 39.

Tarshes Bros., Inc., New York, N. Y. Combination raincoat, trench coat, and topcoat. 377,956; May 21; Serial No. 426,174; published Mar. 12, 1940. Class 39.

Taylor, Albert M., doing business as Fix-M Products Company, Exeter, N. H. Oil preparation for making leather more flexible. 377,898; May 21; Serial No. 406,950; published Mar. 12, 1940. Class 4.

Thermal Research Corporation, Richmond, Va. Vacuum apparatus for deaerating liquids and the like. 377,964; May 21; Serial No. 426,311; published Mar. 12, 1940. Class 23.

Thompson, John R., Co., Chicago, Ill. Foods. 134,288; renewed Aug. 24, 1940.

Thompson, John R. Co., Chicago, Ill. Coffee. 134,445; renewed Aug. 31, 1940.

Tide Water Associated Oil Company, Wilmington, Del., and New York, N. Y. Oil burners. 377,921; May 21; Serial No. 423,344; published Mar. 12, 1940. Class 34.

Time, Incorporated, New York, N. Y. Unexposed film. 377,943; May 21; Serial No. 425,311; published Mar. 12, 1940. Class 26.

Times-Mirror Company, The, also doing business as Union Citrus Orchards, Brea, Calif. Fresh citrus fruits. 377,961; May 21; Serial No. 426,277; published Feb. 20, 1940. Class 46.

Titanium Alloy Manufacturing Company, The, Niagara Falls, N. Y. Foundry mold and core wash. 377,929–30; May 21; Serial Nos. 424,415–16; published Mar. 12, 1940. Class 1.

Togalwerk Gerhard F. Schmidt Aktiengesellschaft. (See Svenska "Indux" Nederlaget.)

Toledo Tire Corporation, Toledo, Ohio. Pneumatic tires and tubes. 378,056; May 21. Class 35.

Trip-L-Seal, Incorporated, Washington, D. C. Composition or admixture for incorporation with a concrete mix and the like. 377,951; May 21; Serial No. 425,970; published Mar. 5, 1940. Class 12.

True, Dr. J. F., & Co. Inc., Auburn, Maine. Vermifuge and remedies for indigestion etc. 134,832; renewed Sept. 14, 1940.

Union Citrus Orchards. (See Times-Mirror Company, The.)

United Brush Manufactories, New York, N. Y. Paint and varnish brushes. 130,131; renewed Apr. 6, 1940.

United Brush Manufactories, New York, N. Y. Brushes. 130,243; renewed Apr. 13, 1940.

United Co-Operatives, Inc., Indianapolis, Ind. Lubricating oils and greases, gasolines, etc. 377,904; May 21; Serial No. 412,680; published Feb. 14, 1939. Class 15.

United States Gypsum Company, Chicago, Ill. Asbestos cement shingles and siding. 377,933; May 21; Serial No. 425,019; published Mar. 5, 1940. Class 12.

United States Gypsum Company, Chicago, Ill. Yearly publication. 377,934; May 21; Serial No. 425,020; published Mar. 5, 1940. Class 38.

United States Rubber Company, New York, N. Y. Pneumatic rubber cushions. 378,045; May 21; Serial No. 427,948; published Mar. 12, 1940. Class 32.

Universal Camera Corporation, New York, N. Y. Telephoto lenses, photographic lenses, and cameras. 377,969; May 21; Serial No. 426,382; published Mar. 12, 1940. Class 26.

Valvoline Oil Company, Cincinnati, Ohio, and New York, N. Y. Oils and greases. 377,973; May 21; Serial No. 426,503; published Mar. 12, 1940. Class 15.

Verson Allsteel Press Company, Chicago, Ill. Press metal machinery, press brakes, hole punching and metal shearing machinery, etc. 378,065; May 21. Class 23.

Vogt, F. G., & Sons, Incorporated, Philadelphia, Pa. Canned scrapple. 377,974; May 21; Serial No. 426,505; published Mar. 12, 1940. Class 46.

Wadsworth & Woodman Company, Winthrop, Maine, and New York, N. Y. Pyroxylin impregnated and/or coated fabric. 378,003; May 21; Serial No. 426,873; published Mar. 12, 1940. Class 50.

Wallau, Alex Lee, Inc., New York, N. Y. Hosiery and socks. 377,990; May 21; Serial No. 426,635; published Mar. 12, 1940. Class 39.

Wander, Harry, New York, N. Y. Jewelry. 378,010; May 21; Serial No. 427,150; published Mar. 12, 1940. Class 28.

Weinberg Corporation, Chicago, Ill. Men's suits. 378,005; May 21; Serial No. 426,919; published Mar. 5, 1940. Class 39.

Weinberger, Julius A., doing business as The Jawine Company, New York, N. Y. Angora yarn. 377,909; May 21; Serial No. 417,244; published Mar. 12, 1940. Class 43.

Wella Corporation, The, New York, N. Y. Soap. 378,026; May 21; Serial No. 427,523; published Mar. 12, 1940. Class 4.

Wembley, Inc., New Orleans, La. Neckties and scarfs. 378,011; May 21; Serial No. 427,152; published Mar. 12, 1940. Class 39.

Wembley, Inc., New Orleans, La. Neckties and scarfs. 378,015; May 21; Serial No. 427,269; published Mar. 12, 1940. Class 39.

Wenzelmann, Gustave, Galesburg, Ill. Sectional buildings and ready cut, assembled into sections, and portables. 130,591; renewed Apr. 27, 1940.

West Coast Soap Company, Oakland, Calif. Granulated soap and soap chips. 377,996; May 21; Serial No. 426,752; published Mar. 12, 1940. Class 4.

Western Auto Supply Company, Kansas City, Mo. Golf clubs and golf balls. 377,971; May 21; Serial No. 426,470; published Mar. 12, 1940. Class 22.

Westminster Jewelry Mfg. Co. (See Arzouyan, Peter.)

Wico Electric Company, West Springfield, Mass. Magnetos and combined magneto and battery ignition apparatus. 378,024; May 21; Serial No. 427,486; published Mar. 12, 1940. Class 21.

Wilhelm, A., Company, The. (See Glidden Company, The.)

Willard Storage Battery Company, Cleveland, Ohio. Storage batteries and parts thereof. 377,948; May 21; Serial No. 425,769; published Mar. 12, 1940. Class 21.

Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Oil burners. 377,992; May 21; Serial No. 426,679; published Mar. 12, 1940. Class 34.

Willow Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 378,071; May 21. Class 42.

LIST OF REGISTRANTS OF LABELS

Admiracion Laboratories, Harrison, N. J. Admiracion DeLuxe Method Scalp and Hair Lotion No. 1 for the Care of Dry Scalp and Hair. For a Lotion for the Care of Dry Scalp and Hair. 54,767; May 21.

Budweiser, Bernard, Chicago, Ill. Budweiser Concentrated Insect-Spray. For a Concentrated Insect Spray. 54,768; May 21.

General Brewing Corporation, San Francisco, Calif. Lucky Ale. For Ale. 54,769; May 21.

Jenkins, H. C., and Co., Las Vegas, Nev. Jenkins' Mos-Quito Scat. For a Concentrated Aromatic Mosquito Repellant. 54,770; May 21.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Country Club Quality Wheat Flakes. For Wheat Flakes. 54,771; May 21.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Dawn Fresh. For Tender Sweet Peas. 54,772; May 21.

Nieman, Herbert A., & Co., Thiensville, Wis. Meteor. For Canned Dod Food. 54,773; May 21.

O'Brien's, Inc., San Jose, Calif. O'Brien's Candies Nutti Brittle. For Candies. 54,774; May 21.

Pennsylvania Distilling Co., Inc., Philadelphia, Pa. American Club. For Straight Bourbon Whiskey. 54,775; May 21.

Ruppert, Jacob, New York, N. Y. Ruppert Ale (Old Style). For Ale. 54,776; May 21.

Sanitized Bedding Associates, Inc., New York, N. Y. Sanitized. For Ticking. 54,777; May 21.

Scott Paper Company, Philadelphia, to Scott Paper Company, Chester, Pa., successor. The Waldorf Towels. For Towels. 16,589; renewed Aug. 1, 1940.

Standard Toykraft Products, Inc., Brooklyn, N. Y. Betty and Dick Tour the U. S. A. For Doll Dress Outfits. 54,778; May 21.

Sweetnam, George H., Inc., Cambridge, Mass. Darcy's Pies. For Pineapple Pies. 54,779; May 21.

Thomas Coffee Company, Hillcrest, York, Pa. Mokay Coffee. For Coffee. 54,780; May 21.

Union Starch & Refining Company, Columbus, Ind. Pennant. For Waffle Syrup. 54,781; May 21.

Warner-Martin Corporation, Boston, Mass. Warner-Martin Cleaning Polish. For A Cleaning Polish Used as a Permanent Coating for Car Finishes. 54,782; May 21.

LIST OF REGISTRANTS OF PRINTS

California Reptile Farm, Berkeley, Calif. Formula of Diamond Liniment, Formula of Diamond Salve. For a Liniment and a Salve. 17,970; May 21.

Cramer-Tobias-Meyer, Inc., New York, N. Y. Junior Fashion Advertiser. For Artwork, Mats and Cuts. 17,971; May 21.

Loomtogs Inc., New York, N. Y. Shuffle Mates. For Women's and Misses' Slacks, Skirts, Shirts, Jackets, Shorts and Pinafores. 17,972; May 21.

Peps Corporation, St. Louis, Mo. How's Your Tummy. For a Medicinal Product for Aiding in the Relief of Stomach Distress. 17,973; May 21.

Southern Handkerchief Mfg. Co., Greenville, S. C. An All American High in Handkerchief Value. For Handkerchiefs. 17,974; May 21.

Tasty Baking Company, Philadelphia, Pa. Good-Rain or Shine. For Cake. 17,975; May 21.

Williams, J. B., Company, The, Glastonbury, Conn. The Only Electric Razor. For Electric Razors. 17,976; May 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal, coke, kindling wood, etc. National Co-Operatives, Inc. 377,942; May 21; Serial No. 425,291; published Mar. 12, 1940.

Foundry mold and core wash. Titanium Alloy Manufacturing Company. 377,929–30; May 21; Serial Nos. 424,415–16; published Mar. 12, 1940.

Pulp and chemical pulp, Wood. Fraser Companies. 377,906; May 21; Serial No. 416,085; published Nov. 7, 1939.

Rubber composition. General Tire & Rubber Company. 377,962; May 21; Serial No. 426,292; published Mar. 12, 1940.

Seed, Tobacco. W. S. Judy. 134,696; renewed Sept. 14, 1940.

Straw, Synthetic. Celanese Corporation of America. 377,965; May 21; Serial No. 426,326; published Mar. 12, 1940.

CLASS 4

Oil preparation for making leather more flexible. A. M. Taylor. 377,898; May 21; Serial No. 406,950; published Mar. 12, 1940.

Polish, Stove. A. Hinkley. 131,139; renewed May 4, 1940.

Soap. Lever Brothers Company. 378,036; May 21; Serial No. 427,673; published Mar. 12, 1940.

Soap. Wella Corporation. 378,026; May 21; Serial No. 427,523; published Mar. 12, 1940.

Soap and soap chips, Granulated. West Coast Soap Company. 377,996; May 21; Serial No. 426,752; published Mar. 12, 1940.

Soaps, Toilet. Walt Disney Productions. 377,987; May 21; Serial No. 426,610; published Mar. 12, 1940.

CLASS 6

Medicinal preparation. Svenska "Indux" Nederlaget. 129,896; renewed Mar. 9, 1940.

Ointment, Medicinal. T. R. Gibbs. 377,944; May 21; Serial No. 425,408; published Mar. 5, 1940.

Pharmaceutical preparations. Drug Products Co. Inc. 134,494; renewed Sept. 7, 1940.

Remedy for certain named ailments. C. R. Meyer. 129,793; renewed Mar. 9, 1940.

Vermifuge and remedies for indigestion, etc. Dr. J. F. True & Co. Inc. 134,832; renewed Sept. 14, 1940.

CLASS 9

Cartridges and parts thereof, Non-destructible. Cardox Corporation. 378,012; May 21; Serial No. 427,155; published Mar. 5, 1940.

CLASS 12

Asphalt composition roll siding and asphalt shingles. Globe Roofing Products Co. Inc. 377,984; May 21; Serial No. 426,949; published Mar. 12, 1940.

Asphalts. Standard Oil Company of New Jersey. 378,032; May 21; Serial No. 427,602; published Mar. 12, 1940.

Board, thermal, insulating board, composite board, etc., Fiber. Masonite Corporation. 377,897; May 21; Serial No. 391,331; published July 20, 1937.

Boards, insulating and sound-deadening boards, etc., Fire-resistant building. Keasbey & Mattison Company. 378,028; May 21; Serial No. 427,643; published Mar.

Buildings and ready cut, assembled into sections, and portables, Sectional. G. Wenzelmann. 139,591; renewed Apr. 27, 1940.

Composition or admixture for incorporation with a concrete mix and the like. Trip-L-Seal, Incorporated. 377,951; May 21; Serial No. 425,970; published Mar. 5, 1940.

Dams, Erosion check. F. A. Skow. 377,946; May 21; Serial No. 425,492; published Mar. 5, 1940.

Filling, and a structural material, Heat insulating, semi-refractory. Celite Products Company. 132,324–6; renewed June 22, 1940.

Flooring, Wood. E. L. Bruce Company. 377,916; May 21; Serial No. 421,300; published Feb. 6, 1940.

Joint sealing composition, Pipe. Industrial Research Laboratories. 377,957; May 21; Serial No. 426,202; published Mar. 5, 1940.

Sealing compound for use in connection with gasket and pipe joints. Garlock Packing Company. 377,982–3; May 21; Serial Nos. 426,946–7; published Mar. 12, 1940.

Shingles and siding, Asbestos cement. United States Gypsum Company. 377,933; May 21; Serial No. 425,019; published Mar. 5, 1940.

Substances used as a cement in pipe-joints, etc. Smooth-On Manufacturing Company. 377,960; May 21; Serial No. 426,233; published Mar. 5, 1940.

CLASS 13

Balances, Sash. Duplex, Incorporated. 377,932; May 21; Serial No. 424,845; published Mar. 12, 1940.

Dippers, Vertical valve-bottom. Kenway Corporation. 377,940; May 21; Serial No. 425,203; May 21; Serial No. 425,203; published Mar. 12, 1940.

Hollowware, Cooking. Everedy Company. 378,022; May 21; Serial No. 427,370; published Mar. 12, 1940.

CLASS 14

Steel bars. American Isteg Steel Corporation. 377,954; May 21; Serial No. 426,147; published Mar. 12, 1940.

Steel castings. Cooper Alloy Foundry Co. 378,007; May 21; Serial No. 426,924; published Mar. 12, 1940.

CLASS 15

Gasolene. Sinclair Refining Company. 134,089; renewed Aug. 10, 1940.

Grease, Lubricating. Garlock Packing Company. 378,035; May 21; Serial No. 427,659; published Mar. 12, 1940.

Oils and greases. Valvoline Oil Company. 377,973; May 21; Serial No. 426,503; published Mar. 12, 1940.

Oils and greases, gasolines, etc., Lubricating. United Co-Operatives, Inc. 377,904; May 21; Serial No. 412,680; published Feb. 14, 1939.

Oils and greases, Lubricating. Garlock Packing Company. 377,981; May 21; Serial No. 426,945; published Mar. 12, 1940.

Oils and petroleum waxes, Lubricating. Standard Oil Company of New Jersey. 378,031; May 21; Serial No. 427,600; published Mar. 12, 1940.

CLASS 16

Paints and painters' materials. Glidden Company. 377,999; May 21; Serial No. 426,771; published Mar. 12, 1940.

Paints and varnishes, painter's materials, etc. Imperial Varnish and Color Company. 133,263; renewed July 20, 1940.

CLASS 17

Cigarettes. Pan American Products Corp. 377,959; May 21; Serial No. 426,218; published Mar. 12, 1940.
Cigarettes, smoking and chewing tobacco. American Tobacco Company. 130,035; renewed Apr. 6, 1940.
Cigars, cigarettes, smoking tobacco, etc. National Co-Operatives, Inc. 377,941; May 21; Serial No. 425,289; published Mar. 12, 1940.
Tobacco and cigarettes, Smoking. American Tobacco Company. 130,031; renewed Apr. 6, 1940.
Tobacco, Smoking. Ryan-Hampton Tobacco Company. 378,055; May 21.
Tobacco, Smoking and chewing. American Tobacco Company. 130,030; renewed Apr. 6, 1940.
Tobacco, Smoking and chewing. American Tobacco Company. 130,034; renewed Apr. 6, 1940.
Tobacco, Smoking and chewing. American Tobacco Company. 130,615; renewed May 4, 1940.

CLASS 21

Batteries and parts thereof, Storage. Willard Storage Battery Company. 377,948; May 21; Serial No. 425,769; published Mar. 12, 1940.
Electric railroad apparatus, Model. C. E. Staples. 377,947; May 21; Serial No. 425,710; published Mar. 12, 1940.
Fans and blowers, Electrically-operated. Ilg Electric Ventilating Company. 134,976–7; renewed Sept. 21, 1940.
Lighting fixtures, Electric. Day-Brite Lighting, Inc. 378,033; May 21; Serial No. 427,617; published Mar. 12, 1940.
Magnetos and combined magneto and battery ignition apparatus. Wico Electric Company. 378,024; May 21; Serial No. 427,486; published Mar. 12, 1940.
Photo-electric cells, light sources for the control of photo-electric cells, etc. K. McIntosh. 377,901; May 21; Serial No. 412,453; published Mar. 12, 1940.
Wire, Electric. Atlantic Insulated Wire & Cable Company. 130,629; renewed May 4, 1940.

CLASS 22

Bowling balls. Brunswick-Balke-Collender Company. 378,047; May 21; Serial No. 427,960; published Mar. 12, 1940.
Dolls, Paper. Metal Textile Corporation. 377,915; May 21; Serial No. 421,192; published Mar. 12, 1940.
Game. F. Bowline. 378,044; May 21; Serial No. 427,877; published Mar. 12, 1940.
Golf balls. Coreless Golf Ball Company. 377,953; May 21; Serial No. 426,053; published Mar. 12, 1940.
Golf clubs and golf balls. Western Auto Supply Company. 377,971; May 21; Serial No. 426,470; published Mar. 12, 1940.
Grip inserts for bowling balls. Brunswick-Balke-Collender Company. 378,046; May 21; Serial No. 427,959; published Mar. 12, 1940.
Toy projector. Fox Feature Syndicate, Inc. 377,950; May 21; Serial No. 425,916; published Mar. 12, 1940.

CLASS 23

Agricultural implements and edged tools, Hand. American Fork & Hoe Company. 378,051; May 21.
Engines, lifting-jacks, track-drills, etc., Gasolene. Buda Company. 133,597; renewed Aug. 3, 1940.
Fire extinguishers, Portable hand. Fire-Gard Corporation. 377,902; May 21; Serial No. 412,500; published Mar. 12, 1940.
Manifolds and parts therefor, Internal combustion engine. Osco Motors Corporation. 378,049; May 21.
Motors, clutch pressure plates, etc., and parts thereof, Internal combustion. Colyear Motor Sales Company. 377,923. May 21; Serial No. 423,797; published Mar. 12, 1940.
Press metal machinery, press brakes, hole punching and metal shearing machinery, etc. Verson Allsteel Press Company. 378,065; May 21.
Rod liners and casing head clamps, Polished. A. D. Purtle. 378,072; May 21.
Scissors and shears. Acme Shear Company. 133,555; renewed Aug. 3, 1940.
Vacuum apparatus for deaerating liquids and the like. Thermal Research Corporation. 377,964; May 21; Serial No. 426,311; published Mar. 12, 1940.

CLASS 26

Cameras. Match King, Inc. 378,054; May 21.
Film, Unexposed. Time, Incorporated. 377,943; May 21; Serial No. 425,311; published Mar. 12, 1940.
Funnels, Glass. Kimble Glass Company. 377,988–9; May 21; Serial Nos. 426,622–3; published Mar. 12, 1940.
Lenses, photographic lenses, and cameras, Telephoto. Universal Camera Corporation. 377,969; May 21; Serial No. 426,382; published Mar. 12, 1940.
Measuring appliances. Pneumercator Company. 131,822; renewed May 25, 1940.

CLASS 27

Watches, pocket watches, electric clocks, etc., and parts thereof, Wrist. Walt Disney Productions. 377,970; May 21; Serial No. 426,401; published Mar. 12, 1940.

CLASS 28

Bracelets, clasps and buckles, Metal. Kestenman Bros. Mfg. Co. 378,061; May 21.
Flatware, Silver-plated. Oneida Ltd. 378,069; May 21.
Jewelry. P. Arzouyan. 378,052; May 21.
Jewelry. H. Wander. 378,010; May 21; Serial No. 427,150; published Mar. 12, 1940.
Necklaces and bracelets, finger rings, etc. Sandor Goldberger Inc. 377,967; May 21; Serial No. 426,345; published Mar. 5, 1940.
Pins, clips, brooches, etc. Cohn & Rosenberger, Inc. 378,029; May 21; Serial No. 427,575; published Mar. 12, 1940.

CLASS 29

Brushes. United Brush Manufactories. 130,243; renewed Apr. 13, 1940.
Brushes, Paint and varnish. United Brush Manufactories. 130,131; renewed Apr. 6, 1940.

CLASS 31

Refrigerators and parts thereof. Borg-Warner Corporation. 377,910; May 21; Serial No. 417,996; published Mar. 12, 1940.

CLASS 32

Cushions, Pneumatic rubber. United States Rubber Company. 378,045; May 21; Serial No. 427,948; published Mar. 12, 1940.

CLASS 33

Glass. Blue Ridge Glass Corporation. 378,021; May 21; Serial No. 427,360; published Mar. 12, 1940.
Glass, Smoked. American Window Glass Company. 377,952; May 21; Serial No. 426,017; published Mar. 12, 1940.

CLASS 34

Burners and for combination gas and oil burners. Coppus Engineering Corporation. 378,004; May 21; Serial No. 426,879; published Mar. 12, 1940.
Burners, Oil. Tide Water Associated Oil Company. 377,921; May 21; Serial No. 423,344; published Mar. 12, 1940.
Burners, Oil. Williams Oil-O-Matic Heating Corporation. 377,992; May 21; Serial No. 426,679; published Mar. 12, 1940.
Globes and reflectors. Holophane Company. 378,018–19; May 21; Serial Nos. 427,303–4; published Mar. 12, 1940.
Heating and air conditioning units, furnaces, etc., Complete oil and gas building. Evans Products Company. 377,985; May 21; Serial No. 426,567; published Mar. 12, 1940.
Stoves, Gas, oil and coal burning. Detroit Vapor Stove Company. 130,062; renewed Apr. 6, 1940.

CLASS 35

Tires. Firestone Tire & Rubber Company. 377,907; May 21; Serial No. 416,410; published Mar. 12, 1940.
Tires and tubes. Dell Tire Corp. 378,041; May 21; Serial No. 427,835; published Mar. 12, 1940.
Tires and tubes, Pneumatic. Toledo Tire Corporation. 378,056; May 21.
Tires, Resilient vehicle. Firestone Tire & Rubber Company. 378,058; May 21.

CLASS 37

Card indexes, blank and partially printed cards, etc. Remington Rand Inc. 377,986; May 21; Serial No. 426,576; published Mar. 12, 1940.
Paper. St. Regis Paper Company. 377,917; May 21; Serial No. 422,024; published Mar. 12, 1940.
Paper. Sherman Paper Products Corporation. 377,963; May 21; Serial No. 426,307; published Mar. 12, 1940.
Paper Napkins. R. Rubino. 377,972; May 21; Serial No. 426,498; published Mar. 12, 1940.
Paper record sheets for time clocks and time recording apparatus. Detex Watchclock Corporation. 377,980; May 21; Serial No. 426,938; published Mar. 12, 1940.
Paper, Toilet. A. P. W. Paper Company. 377,926; May 21; Serial No. 424,285; published Dec. 5, 1939.
Paper, Writing and printing. American Writing Paper Co. 132,081; renewed June 15, 1940.
Paper, Writing and typewriting. Majestic Paper Corporation. 377,920; May 21; Serial No. 423,014; published Mar. 12, 1940.

CLASS 38

Books. Chekhov Theatre Studio, Incorporated. 377,968; May 21; Serial No. 426,358; published Mar. 12, 1940.
Coupons or stamps, Trading. Fairmont Canning Company. 377,905; May 21; Serial No. 415,890; published Mar. 5, 1940.
Magazine. Glen Kel Publishing Company. 377,928; May 21; Serial No. 424,350; published Mar. 5, 1940.
Magazine, Monthly periodical. Jewish Agricultural and Industrial Aid Society, Inc. 127,066; renewed Oct. 21, 1939.
Magazine section of a newspaper. Pulitzer Publishing Company. 377,978; May 21; Serial No. 426,539; published Mar. 12, 1940.
Magazines. Commerce Clearing House, Inc. 378,006; May 21; Serial No. 426,923; published Mar. 5, 1940.

Newspaper. Cathedral Foundation, Inc. 378,016; May 21; Serial No. 427,293; published Mar. 5, 1940.
Newspaper. Pulitzer Publishing Company. 377,977; May 21; Serial No. 426,538; published Mar. 12, 1940.
Publication. Business Executive Publications, Inc. 377,949; May 21; Serial No. 425,912; published Feb. 20, 1940.
Publication, Monthly. Barnes-Ross Company. 134,339; renewed Aug. 31, 1940.
Publication, Periodical. Carnelson House Inc. 377,998; May 21; Serial No. 426,760; published Mar. 5, 1940.
Publication, Periodical. News Map of the Week, Inc. 377,913; May 21; Serial No. 419,931; published Mar. 12, 1940.
Publication, Yearly. United States Gypsum Company. 377,934; May 21; Serial No. 425,020; published Mar. 5, 1940.
Publications. M. E. Nelson. 377,945; May 21; Serial No. 425,483; published Mar. 5, 1940.
Publications, Continuing series of. M. Saunders. 377,908; May 21; Serial No. 417,064; published Mar. 12, 1940.

CLASS 39

Bibs, Infants'. S. Asch. 377,997; May 21; Serial No. 426,755; published Mar. 12, 1940.
Boots, shoes and slippers. Diamond Shoe Co. 135,223; renewed Sept. 28, 1940.
Coats, jackets, capes, etc., Fur. Myron's Incorporated. 378,066; May 21.
Coats, suits, dresses, etc. Cavendish Trading Corp. 378,017; May 21; Serial No. 427,294; published Mar. 12, 1940.
Dresses. Allied Stores Corporation. 377,927; May 21; Serial No. 424,330; published Mar. 12, 1940.
Dresses, Kline's, Incorporated. 378,023; May 21; Serial No. 427,467; published Mar. 12, 1940.
Dresses, Children's. W. E. Graves. 134,667; renewed Sept. 14, 1940.
Dresses, coats, suits, etc. Best & Co. Inc. 378,043; May 21; Serial No. 427,873; published Mar. 12, 1940.
Dresses, coats, suits, etc. Tailored Woman Inc. 378,025; May 21; Serial No. 427,521; published Mar. 12, 1940.
Dresses, dress-waists, outer suits, etc. Max Greenberg & Co. Inc. 120,973; renewed Mar. 19, 1938.
Dresses, suits, capes, etc. M. Brenner. 378,070; May 21.
Hats, Ladies' and misses'. Luxor Hat Co. 378,039; May 21; Serial No. 427,813; published Mar. 12, 1940.
Hosiery. Bear Brand Hosiery Co. 378,034; May 21; Serial No. 427,654; published Mar. 12, 1940.
Hosiery. W. T. Grant Company. 134,665; renewed Sept. 14, 1940.
Hosiery. Johnson City Mills. 134,694; renewed Sept. 14, 1940.
Hosiery. Neumode Hosiery Co. 378,053; May 21.
Hosiery and socks. Alex Lee Wallau Inc. 377,990; May 21; Serial No. 426,635; published Mar. 12, 1940.
Hosiery, Silk. Lefcort Hosiery Company. 378,064; May 21.
House-coats, pajamas, culottes, etc. G. R. Geist. 378,068; May 21.
Jackets, suits, and top-coats, Men's sport. Currick & Leiken Co. Inc. 378,062; May 21.
Neckties and scarfs. Wembley, Inc. 378,011; May 21; Serial No. 427,152; published Mar. 12, 1940.
Neckties and scarfs. Wembley, Inc. 378,015; May 21; Serial No. 427,269; published Mar. 12, 1940.
Negligees, bathrobes, and pajamas, Ladies'. B. Cohen & Co. 378,063; May 21.
Pajamas and silk underwear. Fischer & Co. 378,050; May 21.
Raincoat, trench coat, and topcoat, Combination. Tarshes Bros. Inc. 377,956; May 21; Serial No. 426,174; published Mar. 12, 1940.
Shirts and overalls, Work. A. Rifkin. 135,056; renewed Sept. 21, 1940.
Shirts and pajamas, Outer. Prime Shirt Co. 128,825; renewed Jan. 13, 1940.
Shoes. Gale Shoe Mfg. Co. 378,027; May 21; Serial No. 427,534; published Mar. 12, 1940.
Shoes. Newton Elkin Shoe Company. 378,008; May 21; Serial No. 427,114; published Mar. 12, 1940.
Slips and panties. D. H. Kraft. 378,001; May 21; Serial No. 426,810; published Mar. 12, 1940.
Slips, nightgowns, pajamas, etc. Tailored Silk Undergarment Co. Inc. 378,009; May 21; Serial No. 427,146; published Mar. 12, 1940.
Soles, Inner. Lynn Innersole Company. 378,002; May 21; Serial No. 426,824; published Mar. 12, 1940.
Sportswear, Women's. Adler & Adler, Inc. 378,059; May 21.
Suits and men's overcoats, Men's. Baker Clothes, Inc. 378,067; May 21.
Suits and trunks, Bathing. H. Schlanger. 378,014; May 21; Serial No. 427,260; published Mar. 12, 1940.
Suits, Men's. Weinberg Corporation. 378,005; May 21; Serial No. 426,919; published Mar. 5, 1940.
Suits, topcoats, and overcoats. Becker Clothing Incorporated. 377,975; May 21; Serial No. 426,518; published Mar. 12, 1940.
Underwear and sweaters, Knitted. High Rock Sales Agency. 377,931; May 21; Serial No. 424,808; published Mar. 12, 1940.

CLASS 40

Goods, furnishings, and notions, Fancy. Morris & Yeomans, Limited. 134,516; renewed Sept. 7, 1940.
Shields, Dress. Rand Rubber Company. 378,013; May 21; Serial No. 427,258; published Mar. 12, 1940.

CLASS 41

Parasols and umbrellas. Best & Co. Inc. 377,976; May 21; Serial No. 426,519; published Mar. 12, 1940.
Umbrellas. John U. Burt, Inc. 135,206; renewed Sept. 28, 1940.

CLASS 42

Blankets and fabrics. North Star Woolen Mill Company. 377,924; May 21; Serial No. 423,982; published Mar. 12, 1940.
Cotton piece goods. Pepperell Manufacturing Company. 132,225; renewed June 15, 1940.
Fabrics in the piece, Textile. Willow Fabrics, Inc. 378,071; May 21.
Fabrics, Woolen and worsted. Botany Worsted Mills. 378,037; May 21; Serial No. 427,749; published Mar. 12, 1940.
Handkerchiefs. Jordan Marsh Company. 130,324; renewed Apr. 20, 1940.
Nainsooks, muslins, and longcloth, etc. Carson, Pirie, Scott & Co. 130,666; renewed May 4, 1940.
Silks, woolens, rayon, etc. Princess Fabrics Inc. 377,955; May 21; Serial No. 426,168; published Mar. 12, 1940.
Ticking. Colorbrits Textiles, Inc. 377,925; May 21; Serial No. 423,999; published Mar. 12, 1940.
Woolen and worsted piece goods. Botany Worsted Mills. 378,040; May 21; Serial No. 427,834; published Mar. 12, 1940.

CLASS 43

Thread and yarn. North American Rayon Corporation. 378,030; May 21; Serial No. 427,589; published Mar. 12, 1940.
Yarn, Angora. J. A. Weinberger. 377,909; May 21; Serial No. 417,244; published Mar. 12, 1940.

CLASS 44

Dental prostheses. Coe Laboratories, Inc. 377,919; May 21; Serial No. 422,393; published Mar. 12, 1940.
Electro-medical apparatus. Bedford Surgical Co. Inc. 377,911; May 21; Serial No. 419,467; published Mar. 12, 1940.
Porcelain. Austenal Laboratories, Inc. 377,900; May 21; Serial No. 409,636; published Mar. 12, 1940.
Prophylactic rubber articles. Prophylactic Products Co. 377,935–7; May 21; Serial Nos. 425,099–101; published Mar. 12, 1940.
Sanitary napkins. Forbes & Wallace, Inc. 377,966; May 21; Serial No. 426,332; published Mar. 12, 1940.

CLASS 45

Beverages. Albion Brewing Co. 378,000; May 21; Serial No. 426,795; published Mar. 12, 1940.

CLASS 46

Bakery products. H. L. Rogers. 378,057; May 21.
Biscuit. National Biscuit Company. 132,751; renewed June 29, 1940.
Canned fruits and canned vegetables. Muirson Label Company. 377,991; May 21; Serial No. 426,662; published Mar. 12, 1940.
Canned pickled herring. Delca Fish Preservators, Inc. 377,918; May 21; Serial No. 422,170; published Mar. 12, 1940.
Canned scrapple. F. G. Vogt & Sons, Incorporated. 377,974; May 21; Serial No. 426,505; published Mar. 12, 1940.
Canned tomatoes, tomato paste and olive-oil. A. & C. Buscaglia Co. 129,435; renewed Feb. 24, 1940.
Coffee. John R. Thompson Co. 134,445; renewed Aug. 31, 1940.
Cooking compound. Lever Brothers Company. 134,252; renewed Aug. 24, 1940.
Feed, Stock. Ralston Purina Company. 134,069; renewed Aug. 10, 1940.
Feeds, Stock and poultry. Nutrena Mills, Inc. 378,020; May 21; Serial No. 427,358; published Mar. 12, 1940.
Flour and self-rising wheat-flour, Wheat. City Mills Company. 134,227–8; renewed Aug. 24, 1940.
Flour, Wheat. International Milling Company. 131,910; renewed May 25, 1940.
Flour, Wheat. International Milling Company. 132,001; renewed June 8, 1940.
Flour, Wheat. International Milling Company. 132,179; renewed June 15, 1940.
Flour, Wheat. Lawrenceburg Roller Mills Co. 132,986; renewed July 6, 1940.
Flour, Wheat. Pillsbury Flour Mills Company. 377,914; May 21; Serial No. 420,112; published Mar. 12, 1940.
Foods. John R. Thompson Co. 134,288; renewed Aug. 24, 1940.
Foods, Certain named. Haas, Baruch & Co. 130,312; renewed Apr. 20, 1940.
Fruit, Fresh citrus. Evans Bros. 377,939; May 21; Serial No. 425,196; published Mar. 12, 1940.

Fruits, Fresh citrus. Times-Mirror Company. 377,961; May 21; Serial No. 426,277; published Feb. 20, 1940.
Fruits, nuts, etc., Dried. U. P. Damofle. 377,903; May 21; Serial No. 412,631; published Mar. 5, 1940.
Paste, anchovy paste, sardine paste, etc., Bloater. L. Klima. 131,521; renewed May 18, 1940.
Stabilizing agent, Soluble and powdered. B. Heller and Company. 134,375; renewed Aug. 31, 1940.
Tea. W. S. Quinby Company. 130,227; renewed Apr. 13, 1940.
Vegetables, Fresh. Brentwood Produce Association. 377,993; May 21; Serial No. 426,686; published Mar. 12, 1940.
Vegetables, fruits, berries, etc., Fresh. Sky Brothers. 377,899; May 21; Serial No. 407,202; published Mar. 12, 1940.

CLASS 47

Wines. Southland Wine Corporation. 377,938; May 21; Serial No. 425,167; published Mar. 12, 1940.

CLASS 49

Creme de cacao, cherry and peach liqueurs, etc. Jerome Company. 378,038; May 21; Serial No. 427,807; published Mar. 12, 1940.
Gin, whiskey, brandy, etc. Schenley Distributors, Inc. 378,048; May 21; Serial No. 427,997; published Mar. 12, 1940.
Rum, whiskey, gin, etc. Many, Blanc & Co. 377,922; May 21; Serial No. 423,632; published Mar. 12, 1940.
Whiskey. Rathjen Bros., Inc. 377,994–5; May 21; Serial Nos. 426,735–6; published Mar. 12, 1940.
Whiskey, gin, rum, etc. Joseph S. Finch and Company. 378,042; May 21; Serial No. 427,838; published Mar. 12, 1940.
Whiskey, Scotch. C. Goldfus. 378,060; May 21.

CLASS 50

Card cloth (card clothing foundation). Lloyd Manufacturing Co. 377,912; May 21; Serial No. 419,617; published Mar. 12, 1940.
Covers, Plant. Chicopee Manufacturing Corporation. 377,979; May 21; Serial No. 426,557; published Mar. 12, 1940.
Pyroxylin impregnated and/or coated fabric. Wadsworth & Woodman Company. 378,003; May 21; Serial No. 426,873; published Mar. 12, 1940.
Rubber material, Composition. Marathon Tire & Rubber Co. 132,741; renewed June 29, 1940.
Straws, Drinking. Maryland Paper Products Co. 377,958; May 21; Serial No. 426,211; published Mar. 12, 1940.

LIST OF LABELS

Admiracion deLuxe Method Scalp and Hair Lotion No. 1 for the Care of Dry Scalp and Hair. For a Lotion for the Care of Dry Scalp and Hair. Admiracion Laboratories. 54,767; May 21.
American Club. For Straight Bourbon Whiskey. Pennsylvania Distilling Co. 54,775; May 21.
Betty and Dick Tour the U. S. A. For Doll Dress Outfits. Standard Toykraft Products, Inc. 54,778; May 21.
Budweiser Concentrated Insect-Spray. For a Concentrated Insect Spray. B. Budweiser. 54,768; May 21.
Darcy's Pies. For Pineapple Pies. George H. Sweetnam, Inc. 54,779; May 21.
Dawn Fresh. For Tender Sweet Peas. National Retailer-Owned Grocers, Inc. 54,772; May 21.
Jenkins' Mos-Quito Scat. For a Concentrated Aromatic Mosquito Repellant. H. C. Jenkins and Co. 54,770; May 21.
Kroger's Country Club Quality Wheat Flakes. For Wheat Flakes. Kroger Grocery & Baking Company. 54,771; May 21.
Lucky Ale. For Ale. General Brewing Corporation. 54,769; May 21.
Meteor. For Canned Dog Food. Herbert A. Nieman & Co 54,773; May 21.
Mokay Coffee. For Coffee. Thomas Coffee Company 54,780; May 21.
O'Brien's Candies Nutti Brittle. For Candies. O'Brien's, Inc. 54,774; May 21.
Pennant. For Waffle Syrup. Union Starch & Refining Company. 54,781; May 21.
Ruppert Ale (Old Style). For Ale. J. Ruppert. 54,776; May 21.
Sanitized. For Ticking. Sanitized Bedding Associates, Inc. 54,777; May 21.
The Waldorf Towels. For Towels. Scott Paper Company. 16,589; renewed Aug. 1, 1940.
Warner-Martin Cleaning Polish. For a Cleaning Polish used as a Permanent Coating for Car Finishes. Warner-Martin Corporation. 54,782; May 21.

LIST OF PRINTS

An All American High in Handkerchief Value. For Handkerchiefs. Southern Handkerchief Mfg. Co. 17,974; May 21.

Formula of Diamond Liniment. Formula of Diamond Salve. For a Liniment and a Salve. California Reptile Farm. 17,970; May 21.

Good—Rain or Shine. For Cake. Tasty Baking Company. 17,975; May 21.

How's Your Tummy. For a Medicinal Product for Aiding in the Relief of Stomach Distress. Peps Corporation. 17,973; May 21.
Junior Fashion Advertiser. For Artwork, Mats and Cuts. Cramer-Tobias-Meyer, Inc. 17,971; May 21.
Shuffle Mates. For Women's and Misses' Slacks, Skirts, Shirts, Jackets, Shorts and Pinafores. Loomtogs Inc. 17,972; May 21.
The Only Eleetric Razor. For Electric Razors. J. B. Williams Company. 17,976; May 21.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Allison, William L., Phoenix, Ariz. Lamp standard. Des. Re. 21,452; May 21.
Bird, Harvey L., Ann Arbor, Mich. Apparatus for dispensing loose salt in measured quantities into cans or the like. Re. 21,453; May 21.
Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Fibroin spinning solutions. Re. 21,454; May 21.
Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Fibroin spinning solutions. Re. 21,455; May 21.
Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Fibroin spinning solutions. Re. 21,456; May 21.
Carpenter, Charles E., Badger, Minn., assignor to Challenger Do-Nut Machine Corporation. Doughnut machine. Re. 21,457; May 21.
Castings Patent Corporation. (See Toman, Michael E., assignor.)
Challenger Do-Nut Machine Corporation. (See Carpenter, Charles E., assignor.)
Koe, Emil E., Berwyn, Ill. Form-measuring device. Re. 21,459; May 21.
Linder, Ernest G., Philadelphia, Pa., assignor to Radio corporation of America. Magnetron modulator. Re. 21,458; May 21.
North American Rayon Corporation. (See Bley, Rudolph S., assignor.)
O'Connor, Arthur F., assignor, by mesne assignments, to Union Asbestos & Rubber Company, Chicago, Ill. Brake mechanism. Re. 21,460; May 21.
Radio Corporation of America. (See Linder, Ernest G., assignor.)
Toman, Michael E., Berwyn, Ill., assignor to Castings Patent Corporation. Apparatus for molding. Re. 21,461; May 21.
Union Asbestos & Rubber Company. (See O'Connor, Arthur F., assignor.)

LIST OF DESIGN PATENTEES

Adirondack Sportswear, Inc. (See Breier, Benjamin, assignor.)
Advertising Displays Inc. (See Austin, Charles D., assignor.)
American Type Founders, Inc. (See Riley, Frank H., assignor.)
Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Combined light transmitting panel and globes for a lighting fixture. 120,658; May 21.
Arnsbarger, Ervin B., Lakewood, Ohio. Combination fireman's ax and wrecking tool. 120,609; May 21.
Austin, Charles D., Cincinnati, Ohio, assignor to Advertising Displays Inc., Covington, Ky. Stereoscope. 120,634; May 21.
Berge, Jenning T., Minneapolis, Minn. Sink scoop. 120,610; May 21.
Binks, Melvin J., River Forest, assignor to J. H. Keeney & Co., Inc., Chicago, Ill. Skill testing game device. 120,659; May 21.
Birnbaum, Morris, New York, N. Y. Dress. 120,699; May 21.
Birnbaum, Morris, New York, N. Y. Dress. 120,700; May 21.
Birnbaum, Sol, New York, N. Y. Jewelry component. 120,683; May 21.
Blumbaum, Hyman, Brooklyn, N. Y. Textile fabric. 120,660; May 21.
Boucher, Marcel, New York, N. Y. Pin or similar article. 120,611; May 21.
Boucher, Marcel, New York, N. Y. Pin or similar article. 120,612; May 21.
Brann, Esther, New York, N. Y. Savings bank. 120,635; May 21.
Breer, Edna, New York, N. Y. Dress ensemble. 120,701; May 21.
Breier, Benjamin, assignor to Adirondack Sportswear, Inc., Amsterdam, N. Y. Sports jacket. 120,636; May 21.
Cameo Vineyards Company. (See Parker, Ovid S., assignor.)
Cembalest, Michael, New York, N. Y. Textile fabric. 120,684; May 21.
Chasset, Louis, Paris, France, assignor to Nancy McClelland Inc., New York, N. Y. Wallpaper. 120,661; May 21.
Christy, Robert T., New York, N. Y. Lipstick container. 120,662; May 21.
Comfy Manufacturing Co., The. (See Sheplan, Herman B., assignor.)
Continental Scale Corporation. (See Reinecke, Jean O., assignor.)
D'Addario, Thomas, New York, N. Y., assignor to Tahiti Corporation, Richmond, Va. Bottle or similar article. 120,663; May 21.
Davenport, Lloyd J., Kearny, N. J., assignor to Paul E. Flato, New York, N. Y. Lipstick container or similar article. 120,664; May 21.
Deerf, Ada, Brooklyn, N. Y. Combination kitchen tool. 120,613; May 21.
Dewsbury, William O., Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y. Textile floor covering or similar article. 120,665; May 21.
Dewsbury, William O., Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y. Textile floor covering or similar article. 120,702; May 21.
Dorfman, Jerome J., New York, N. Y. Game device. 120,637; May 21.
Dreitzer, Albert J., New York, N. Y., assignor to The Federal Glass Company, Columbus, Ohio. Glass jug or article of similar nature. 120,614; May 21.
Duncan & Miller Glass Company. (See May, Robert A., assignor.)
Edwards Iron Works, Incorporated. (See Edwards, William H., assignor.)
Edwards, William H., assignor to Edwards Iron Works, Incorporated, South Bend, Ind. Light delivery truck body. 120,666; May 21.
Esh, Barnett, assignor to Kaspar & Esh, Inc., New York, N. Y. Finger ring. 120,615; May 21.
Esh, Barnett, assignor to Kaspar & Esh, Inc., New York, N. Y. Finger ring. 120,616; May 21.
Evans Case Company. (See Reilly, Alfred F., assignor.)
Fairbairn, John J., Roosevelt, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J. Idler bracket for conveyers or the like. 120,667; May 21.
Fay, Kenneth C., New York, N. Y. Bottle or similar article. 120,668; May 21.
Federal Glass Company, The. (See Dreitzer, Albert J., assignor.)
Finnegan, George J., New York, N. Y. Textile fabric. 120,617; May 21.
Fischer, Benjamin, New York, N. Y. Child's coat. 120,703; May 21.
Fischer, Benjamin, New York, N. Y. Child's coat. 120,704; May 21.
Fischer, Benjamin, New York, N. Y. Child's coat. 120,705; May 21.
Flato, Paul E. (See Davenport, Lloyd J., assignor.)
Ford, George E., assignor to Rochester Manufacturing Company, Rochester, N. Y. Thermometer. 120,638; May 21.
Fracchia, Pauline, New York, N. Y. Dress. 120,706; May 21.
Fracchia, Pauline, New York, N. Y. Dress. 120,707; May 21.
Fracchia, Pauline, New York, N. Y. Dress. 120,708; May 21.
Fracchia, Pauline, New York, N. Y. Dress. 120,709; May 21.
Fracchia, Pauline, New York, N. Y. Dress. 120,710; May 21.
Fracchia, Pauline, New York, N. Y. Dress. 120,711; May 21.
Friedman, Bertha B., New York, N. Y. Child's sleeping garment. 120,718; May 21.
Frontman, Samuel E., New York, N. Y. Redingote. 120,712; May 21.
Galter, Jack, Chicago, Ill. Combined vehicle lamp and supporting bracket. 120,639; May 21.
Gits, Jules P., assignor to Gits Molding Corporation, Chicago, Ill. Flashlight. 120,669; May 21.
Gits, Jules P., assignor to Gits Molding Corporation, Chicago, Ill. Flashlight. 120,670; May 21.
Gits Molding Corporation. (See Gits, Jules P., assignor.)

Glesser, Albert. (See Grubs, F. V., Glesser, and Schindelman.)
Goodrich, B. F., Company, The. (See L'Hollier, Leslie H., assignor.)
Goshen Manufacturing Company. (See Rink, Robert M., assignor.)
Graesser, Carl H., and F. H. Hopkins, Bridgeport, Conn., assignors to Manning Maxwell & Moore, Incorporated, New York, N. Y. Gauge case or similar article. 120,640; May 21.
Grubs, Frank V., New Rochelle, A. Glesser, and M. Schindelman, Brooklyn, N. Y. Shoe. 120,641; May 21.
Haas, Harry, Jr., New Orleans, La., assignor to The Jennings Brothers Manufacturing Company, Bridgeport, Conn. Ash tray. 120,671; May 21.
Haegele, Albert J., St. Louis, Mo. Ring. 120,618; May 21.
Harris, Herbert H., New York, N. Y. Perfumery bottle or similar article. 120,672; May 21.
Harris, Herbert M., New York, N. Y. Dress. 120,713; May 21.
Harris, Herbert M., New York, N. Y. Dress. 120,714; May 21.
Herbert, Sidney. (See Meadow, Noel, assignor.)
Howard, Frederick R., San Francisco, Calif. Camera tripod head. 120,642; May 21.
Hinkins, Ernest A., assignor to Tygart Valley Glass Company, Washington, Pa. Jar. 120,619; May 21.
Hopkins, Frank H. (See Graesser, C. H., and Hopkins.)
Jembrzycki, William J., Chicago, Ill. Combined holder and bracket for a container or the like. 120,628; May 21.
Jennings Brothers Manufacturing Company, The. (See Haas, Harry, Jr., assignor.)
Johnson, Carl W., assignor to Sewell Manufacturing Company, Detroit, Mich. Bath attachment for bird cages. 120,620; May 21.
Johnson, William, Hazel Park, Mich., and E. H. Trump, Barberton, Ohio, assignors to Ward Plastic and Rubber Company, Detroit, Mich. Condiment container. 120,719; May 21.
Jones, Edward L., Richmond, Va. Game board. 120,643; May 21.
Joyce, Isabelle Z., assignor to Spaulding-Gorham, Inc., Chicago, Ill. Brooch or similar article of jewelry. 120,621; May 21.
Jung, Albert H., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 120,673; May 21.
Karagheusian, A. & M., Inc. (See Dewsbury, William O., assignor.)
Kaspar & Esh, Inc. (See Esh, Barnett, assignor.)
Keeney, J. H., & Co. (See Binks, Melvin J., assignor.)
Kimler, Courtney W., Sr., Ames, Iowa. Shovel bucket. 120,685; May 21.
Leslie, Frank M., Oakland, Calif. Shingle. 120,622; May 21.
L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Overshoe. 120,644; May 21.
Lindey, Louis A., Brooklyn, N. Y. Combined bracket and vase. 120,623; May 21.
Lipschultz, Morris A., Chicago, Ill. Signal device. 120,645; May 21.
Lowenstein, Malcolm W., Baltimore, Md. Bottle or similar article. 120,624; May 21.
Lowenstein, Malcolm W., Baltimore, Md. Bottle or similar article. 120,625; May 21.
Lowin, Anna W., Chicago, Ill. Toy animal. 120,646; May 21.
Luntz, Dorothy, New York, N. Y. Play dress. 120,686; May 21.
Manning Maxwell & Moore, Incorporated. (See Graesser, C. H., and Hopkins, assignors.)
May, Robert A., assignor to Duncan & Miller Glass Company, Washington, Pa. Combined vase and candlestick. 120,647; May 21.
McClelland, Nancy, Inc. (See Chasset, Louis, assignor.)
Meadow, Noel, New York, N. Y., assignor of one-half to S. Herbert, Perth Amboy, N. J. Lapel pin or similar article. 120,626; May 21.
Miller, Rube L., Seattle, Wash. Smoker's pipe. 120,674; May 21.
Moonan, Lawrence G., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 120,687; May 21.
Mooney, Hugh N., Chicago, Ill. Inflatable toy boat. 120,675; May 21.
Munzer, Ida, Chicago, Ill. Combined lighter and ash tray. 120,676; May 21.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,688; May 21.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,689; May 21.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,690; May 21.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,720; May 21.
Newark Milk & Cream Co. (See Scheerer, Paul R., assignor.)
Nixon, James M., Asheville, N. C. Combination paste dispenser and tooth brush holder. 120,648; May 21.
Norton, Chester H., Bronxville, N. Y. Window shade or similar article. 120,691; May 21.
Novak, Edward J., Chicago, Ill. Combined display and dispensing carton. 120,649; May 21.
Novak, Syd, Chicago, Ill. Dress. 120,692; May 21.
Pacenzia, Antonino, Buffalo, N. Y. Frame for pictures and the like. 120,627; May 21.
Pallotta, Vito, Brooklyn, N. Y. Pleated leather trimming or similar article. 120,715; May 21.
Parker, Ovid S., South Gate, assignor to Cameo Vineyards Company, Fresno, Calif. Bottle. 120,677; May 21.
Parker, Samuel E., Dunkirk, Ind. Combination buffing and scraping tool for tires or the like. 120,678; May 21.
Patent License Corporation. (See Arenberg, Albert L., assignor.)
Pawsat, Ewald F. (See Pawsat, Ruben L., assignor.)
Pawsat, Ruben L., assignor to E. F. Pawsat, Maysville, Ky. Bicycle handle bar extension stem. 120,650; May 21.
Pitkin, Emily L., New York, N. Y. Button. 120,651; May 21.
Posin, Baruch, New York, N. Y. Combination hood and muffler. 120,721; May 21.
Posnack, Emanuel R., New York, N. Y. Combination desk unit. 120,652; May 21.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Company. Hand mirror frame or the like. 120,716; May 21.
Reinecke, Jean O., assignor to Continental Scale Corporation, Chicago, Ill. Weighing scale. 120,679; May 21.
Reinstein, Harry, New York, N. Y. Brooch or similar article. 120,693; May 21.
Riley, Frank H., New York, N. Y., assignor to American Type Founders, Inc., Elizabeth, N. J. Font of type. 120,694; May 21.
Rink, Robert M., assignor to Goshen Manufacturing Company, Goshen, Ind. Gliding settee. 120,680; May 21.
Robins Conveying Belt Company. (See Fairbairn, John J., assignor.)
Rochester Manufacturing Company. (See Ford, George E., assignor.)
Savage, Edward S., Rochester, N. Y. Toy figure. 120,653; May 21.
Savage, Edward S., Rochester, N. Y. Toy figure. 120,654; May 21.
Scheerer, Paul R., West Orange, assignor to Newark Milk & Cream Co., Newark, N. J. Building. 120,629; May 21.
Schindelman, Morris. (See Grubs, F. V., Glesser, and Schindelman.)
Sewell Manufacturing Company. (See Johnson, Carl W., assignor.)
Shapiro, Charles, New York, N. Y. Textile fabric. 120,655; May 21.
Sheplan, Herman B., assignor to The Comfy Manufacturing Co., Baltimore, Md. Knitted fabric or similar article of manufacture. 120,630; May 21.
Sheplan, Herman B., assignor to The Comfy Manufacturing Co., Baltimore, Md. Knitted fabric or similar article of manufacture. 120,631; May 21.
Sheplan, Herman B., assignor to The Comfy Manufacturing Co., Baltimore, Md. Knitted fabric or similar article of manufacture. 120,632; May 21.
Simmon, Rudolph, Jackson Heights, N. Y. Photographic enlarger. 120,656; May 21.
Spaulding-Groham, Inc. (See Joyce, Isabelle Z., assignor.)
Sutton, Harry G., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Dry cleaning unit. 120,681; May 21.
Tahiti Corporation. (See D'Addario, Thomas, assignor.)
Trump, Eino H. (See Johnson, W., and Trump.)
Turnheim, Anna K., New York, N. Y. Watch or the like. 120,657; May 21.
Tygart Valley Glass Company. (See Hinkins, Ernest A., assignor.)
United States Rubber Company. (See Moonan, Lawrence G., assignor.)
United States Hoffman Machinery Corporation. (See Sutton, Harry G., assignor.)
Victor Metal Products Corporation. (See Jung, Albert H., assignor.)
Waligorski, Stanley A., Reading, Pa. Combined grave marker and flower holder. 120,633; May 21.
Ward Plastic and Rubber Company. (See Johnson, W., and Trump, assignors.)
Wenett, Philip, New York, N. Y. Dress. 120,717; May 21.
White, Murray, Brookline, Mass. Dress. 120,695; May 21.
Whittingham, Lorna, West Redding, Conn. Sweater or similar article of wearing apparel. 120,696; May 21.
Whittingham, Lorna, West Redding, Conn. Jersey waist. 120,697; May 21.
Winston, Virginia, Jackson Heights, N. Y. Scarf or similar article. 120,682; May 21.
Wollrauch, Lucienne, Chicago, Ill. Dress. 120,698; May 21.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ackerman, Harold S., Aspinwall, Pa. Valve. 2,201,513; May 21.
Actino Laboratories, Inc. (See Loeb, C., Gilman, and Anderson, assignors.)
Ahlmann, Nikolai, Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y. Apparatus for treating pulverulent materials. 2,201,552; May 21.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder device. 2,201,571; May 21.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic slack adjuster. 2,201,572; May 21.
Akau, George H., assignor of one-fifth to G. Ronitz, Honolulu, Hawaii. Papaya peeler. 2,201,514; May 21.
Akron Standard Mold Company, The. (See Bostwick, Henry C., assignor.)
Aktiebolaget Gotaverken. (See Johansson, Johan E., assignor.)
Aktiebolaget Motorus. (See Hansson, Oscar, assignor.)
Albrecht, Carl, Kronberg in Taunus, assignor to Deutsche Gold und Silber Scheidean-stalt, vormals Roessler, Frankfort-on-the-Main, Germany. Heat treating bath. 2,201,755; May 21.
Albrecht, Christian A., Berlin, and H. Brandenburg, Berlin-Tempelhof, Germany, assignors to Mergenthaler Linotype Company, Brooklyn, N. Y. Typographical slug casting machine. 2,201,132; May 21.
Albright, Robert B., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Image rejector circuit for radio receivers. 2201,938; May 21.
Allardt, Julius, Altona-Blankenese, Germany. Recording apparatus. 2,201,515; May 21.
Allis-Chalmers Manufacturing Company. (See Miller, Rudolph A., assignor.)
Aliminna Svenska Elektrisha Aktiebolaget. (See Eklund, Torsten, assignor.)
American Blower Corporation. (See Kice, Murray S., Jr., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Car & Foundry Company. (See Euwer, Herbert D., assignor.)
American Car and Foundry Company. (See Kump, Henry, assignor.)
American Car and Foundry Company. (See Schroeder, Ernest R., assignor.)
American Car and Foundry Company. (See Shields, Robert A., assignor.)
American Car and Foundry Company. (See Willoughby, Victor, assignor.)
American Chain & Cable Company. (See Bratz, Otto J., assignor.)
American Chain & Cable Company. (See Robinson, Harry G., assignor.)
American Fixture & Showcase Manufacturing Co. (See Frenze, Bernard M., assignor.)
American Machine & Foundry Company. (See Schmidt, A. J., and Jackson, assignors.)
American Machine and Metals. (See Gross, Carl G., assignor.)
American Optical Company. (See Lehmberg, William H., assignor.)
American Radiator & Standard Sanitary Corporation. (See Zuhlke, William R., assignor.)
American Rayon Company. (See Furness, William H., assignor.)
American Seating Company. (See Nordmark, Henry P., assignor.)
American Steel and Wire Company of New Jersey, The. (See Brickman, A. E., and Gleason, assignors.)
American Steel and Wire Company of New Jersey, The. (See Hayden, A. P., and Gleason, assignors.)
American Steel Foundries. (See Light, David M., assignor.)
American Window Glass Company. (See Bundy, Albert J., assignor.)
American Zinc, Lead & Smelting Company. (See Depew, Harlan A., assignor.)
Anaconda Wire & Cable Company. (See MacLeod, Lester R., assignor.)
Andersen, Laurits, assignor to T. J. Edwards, Inc., Boston, Mass. Marking machine. 2,201,465; May 21.
Anderson, Alvin P., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Translucent petroleum plastic. 2,202,466; May 21.
Anderson, Carl. (See Loeb, C., Gilman, and Anderson.)
Anderson, Eric W. (See Doering, Charles, and H. H., Anderson, and Skoglund.)
Anderson, John F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Masking tape. 2,201,877; May 21.
Anderson, Lionel G., et al. (See Minor, Claude A., Jr., assignor.)
Andrews, Chester E., Overbrook, and M. R. Fenske, State College, assignors to Röhm & Haas Company, Philadelphia, Pa. Separating hydrocarbon mixtures. 2,201,821; May 21.
Andrews, Chester E., Overbrook, and M. R. Fenske, State College, assignors to Röhm & Haas Company, Philadelphia, Pa. Separating hydrocarbon mixtures. 2,201,822; May 21.
Apple, Bessie D. (See Cotterman, Frederick W., assignor.)
Armentrout, A. L., et al. (See Ford, Keith, assignor.)
Armstrong, William A., et al. (See Myers, Harry A., assignor.)
Arndt, Charles, Los Angeles, Calif. Separator. 2,201,282; May 21.
Arnett, James I. (See Wardwell, G. W., Jr., and Arnett.)
Arnold, George A. (See Williams, L. W., and Arnold.)
Associated Press, The. (See Carlson, Harold, assignor.)
Association of American Soap and Glycerine Producers, Inc. (See Lenth, C. W., and Du Puis, assignors.)
Atkins, Harold J., Pocoima, and S. B. Bennett, San Fernando, assignors to C. C. Goodson and J. F. Fischbeck, Los Angeles, Calif. Hydraulic drive and control device. 2,201,878; May 21.
Atlanta Utility Works. (See Thomason, Ernest K., assignor.)
Auchincloss, Samuel S., Darien, Conn., assignor to New York Quotation Company, New York, N. Y. Printing telegraph apparatus. 2,201,641; May 21.
Auger, Harold, Burnham, and W. E. Pearson, deceased, London, England; N. P. Nicholson, executrix or administratrix. Garage or car park. 2,201,939; May 21.
Automatic Devices Corporation. (See Cohen, Joseph H., assignor.)
Automatic Shifters, Inc. (See Hey, Henry W., assignor.)
Automatic Signal Corporation. (See Barker, John L., assignor.)
Autogiro Company of America. (See Campbell, Harris S., assignor.)
Avetta, Albert J., Pittsburgh, Pa. Charcoal grill. 2,201,756; May 21.
Backhouse, Headley T., London, England. Sheet feeder. 2,201,604; May 21.
Backhouse, Headley T., London, England. Sheet conveyer. 2,201,605; May 21.
Baier, Otto, Berlin-Reinickendorf, and C. Jung-Zaeper, Berlin-Wilmersdorf, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Electron tube. 2,201,216; May 21.
Bakelite Building Products Co. (See Harshberger, Norman P., assignor.)
Baker, Paul S. (See Beisel, R. B., and Baker.)
Baker, V. P., et al. (See Ford, Keith, assignor.)
Balázs, Arthur, Budapest, Hungary. Fountain pen for solid ink. 2,201,421; May 21.
Ballard, Herman E., Berkeley, Calif. Lubricant. 2,201,217; May 21.
Balsiger, Harold E., and C. L. Ott, assignors to Landis Tool Company, Waynesboro, Pa. Machine for grinding noncircular work. 2,201,218; May 21.
Barber, James M., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Stock fitting machine. 2,201,283; May 21.
Barbour Welting Company. (See Vizard, William C., assignor.)
Barker, John L., Pleasantville, assignor to Automatic Signal Corporation, New York, N. Y. Traffic detector. 2,201,145; May 21.
Barker, John L., Norwalk, Conn., assignor to Automatic Signal Corporation, New York, N. Y., Traffic detector. 2,201,146; May 21.
Barrel Fitting & Seal Corporation. (See Schwartz, Morris, assignor.)
Barret, William M., assignor to Engineering Research Corporation, Shreveport, La. Electrical apparatus and method for locating minerals. 2,201,256; May 21.
Barrey, Etienne, Nanterre, Seine, assignor of fifty per cent to M. J. L. Masnou, Paris, France. Alternating current rectifier. 2,201,940; May 21.
Barton, David T., et al. (See Myers, Harry A., assignor.)
Bary, Woldemar A., New York, and A. Jackson, Astoria, assignors to Vadim S. Makaroff, New York, N. Y. Pneumatic automobile lift. 2,201,147; May 21.

Bastian-Blessing Company, The. (See Lucas, Lawrence N., assignor.)
Bauer, Rudolf, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Inductive regulator for coarse and fine regulation. 2,201,642; May 21.
Bean, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Treatment of motor fuels. 2,201,553; May 21.
Bebin, Paul. (See Souviron, P. F. J., Bigourdan, and Bebin.)
Beckwith, Edward S., Omaha, Nebr. Spring wire snap. 2,201,300; May 21.
Bedell, James R., Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Applicator. 2,201,516; May 21.
Beebe, John D., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pressure arm structure. 2,201,422; May 21.
Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Treating liquids containing nitric and hydrochloric acids. 2,201,423; May 21.
Behr, Erwin. (See Fischer, Albert, assignor.)
Behr, Henry D., Laurelton, Long Island, N. Y., Timer. 2,201,941; May 21.
Beisel, Rex B., and P. S. Baker, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Airplane control. 2,201,710; May 21.
Bell, Charles C., Marblehead, Mass. Nursing bottle support. 2,201,257; May 21.
Bell, Ivan C., Dallas, Tex. Drill bit. 2,201,219; May 21.
Bell Telephone Laboratories, Incorporated. (See Blattner, D. G., and Vieth, assignors.)
Bell Telephone Laboratories, Incorporated. (See Bruce, Edmond, assignor.)
Bell Telephone Laboratories, Incorporated. (See Carpenter, W. W., and Kittredge, assignors.)
Bell Telephone Laboratories, Incorporated. (See Lundstrom, A. A., and Norton, assignor.)
Bender, Hans P., New York, N. Y. Lady's handbag and the like. 2,201,757; May 21.
Bendix Aviation Corporation. (See Douglas, Kenneth F., assignor.)
Bendix Aviation Corporation. (See Laisne, Leon E., assignor.)
Bendix Aviation Corporation. (See Miller, Philip M. and R. B., assignors.)
Bendix Aviation Corporation. (See Sekella, Youston, assignor.)
Bendix Home Appliances, Inc. (See McCollum, Andrew O., assignor.)
Bendix Home Appliances, Inc. (See Rouch, Everett W., assignor.)
Bendix Home Appliances, Inc. (See Scott, R. W., and McCollum, assignors.
Bendix Products Corporation. (See Fields, William E., assignor.)
Bendix Products Corporation. (See Wirth, Emil O., assignor.)
Bendix Radio Corporation. (See Eltgroth, George V., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Vorech, Stephen, assignor.)
Bendixen, H. H., et al. (See Wight, Frank H., assignor.)
Benner, Raymond C. (See Melton, R. L., Benner, and Kirchner.)
Benner, Raymond C. (See Melton, R. L., Benner, and Kirchner.)
Bennett, Lewis J., assignor of fifty-five per cent to R. W. Tyler, Hancock, N. Y. Casing for mattresses and the like. 2,201,361; May 21.
Bennett, Seymour B. (See Atkins, H. J., and Bennett.)
Bensel, Duryea, assignor, by mesne assignments, to A. Borden, New York, N. Y. Bottom fill paperboard container. 2,201,332; May 21.
Berger, Fritz, Pasadena, Calif. Water bag. 2,201,424; May 21.
Berger, Samuel I., Newark, N. J. Toy vehicle. 2,201,148; May 21.
Bergholm, Harry K., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,201,362; May 21.
Berglund, Karl T., assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Alloy steel. 2,201,425; May 21.
Berling, Philip E. (See Bregou, L. V., and Berling.)
Berndt, Walter, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Direction finder loop. 2,201,807; May 21.
Berwick, Albert G. (See Berwick, Frederick W. and A. G.)
Berwick, Frederick W. and A. G., Streatham, London, England, assignors, by mesne assignments, to The De Laval Separator Company, New York, N. Y. Device for dispensing liquids. 2,201,808; May 21.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Clutch mechanism. 2,201,149; May 21.
Bigourdan, Pierre E. (See Souviron, P. F. J., Bigourdan, and Bebin.)
Bilde, Tord E. D., assignor to Bolinders Fabriks Aktiebolag, Stockholm, Sweden. Dish-washing machine. 2,201,284; May 21.
Bing, Joseph M., New York, N. Y. Automatic exposure control. 2,201,606; May 21.
Birmingham, Raymond A., Buena Vista, assignor of one-third to T. B. Shackford, and one-third to H. H. Chittum, Lexington, Va. Rail and wheel lubricating mechanism. 2,201,133; May 21.
Birtman Electric Company. (See Sparklin, Charles H., assignor.)
Blackburn, Felix, Feeding Hills, Mass. Gripping device. 2,201,285; May 21.
Blank, Alfons, Dornach, assignor of one-half to W. F. L. Kessler-Rossillon, Arlesheim, Switzerland. Reclining chair. 2,201,964; May 21.
Blattner, David G., Mountain Lakes, N. J., and L. Vieth, Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Delay type piezoelectric relay. 2,201,879; May 21.
Blomgren, Carl, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Multiple point control for inking mechanism. 2,201,942; May 21.
Bloom, Israel, New York, N. Y. Lipstick applicator. 2,201,467; May 21.
Blue, John, Jr., Laurinburg, N. C. Plow. 2,201,846; May 21.
Boettcher, Arthur H. (See Illsley, Frank P., assignor.)
Bohn Aluminum & Brass Corporation. (See Schoen, Paul F., assignor.)
Bokemüller, Alfred, Gaggenau, Baden, and F. Schaub, Berlin-Charlottenburg, assignors to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Internal combustion engine. 2,201,220; May 21.
Bokemüller, Alfred, Gaggenau, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Internal combustion engine receiving fuel by injection. 2,201,221; May 21.
Bolinders Fabriks Aktiebolag. (See Bilde, Tord E. D., assignor.)
Boosey, Edward W. N., Detroit, Mich. Drainage fitting. 2,201,711; May 21.
Borden, Albert. (See Bensel, Duryea, assignor.)
Bostwick, Henry C., Coventry Township, Summit County, assignor to The Akron Standard Mold Company, Akron, Ohio. Collapsible drum. 2,201,468; May 21.
Bostwick, Henry C., Coventry Township, Summit County, assignor to The Akron Standard Mold Company, Akron, Ohio. Collapsible form. 2,201,469; May 21.
Bostwick, Henry C., Coventry Township, Summit County, assignor to The Akron Standard Mold Company, Akron, Ohio. Tire tread splice stitcher. 2,201,470; May 21.
Bostwick, Henry C., Coventry Township, Summit County, assignor to The Akron Standard Mold Company, Akron, Ohio. Rod packing. 2,201,471; May 21.
Bow, Marvin H., Kilgore, Tex. Gauge line wiper. 2,201,517; May 21.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,201,518; May 21.
Boyer, John A., Niagara Falls, and C. G. Rose, Lewiston, assignors to The Carborundum Company, Niagara Falls, N. Y. Hard carbide composition. 2,201,150; May 21.
Boyer, John A., Niagara Falls, and C. G. Rose, Lewiston, assignors to The Carborundum Company, Niagara Falls, N. Y. Boron carbide composition. 2,201,151; May 21.
Bradley, William E., assignor to Union Oil Company of California, Los Angeles, Calif. Manufacturing alkylated hydrocarbons. 2,201,823; May 21.
Bramson, Harry. (See Bramson, Maurice and H.)
Bramson, Maurice and H., Brooklyn, N. Y. Batter dropper. 2,201,222; May 21.
Brandenburg, Hermann. (See Albrecht, C. A., and Brandenburg.)
Brans, Joseph L. (See Bronstein, Joseph L.)
Bratz, Otto J., Adrian, Mich., assignor to American Chain & Cable Company, Inc., New York, N. Y. Grease injecting apparatus. 2,201,426; May 21.
Bregou, Louis V., Worcester, and P. E. Berling, Auburn; said Berling assignor to said Bregou, Worcester, Mass. Hair waver. 2,201,223; May 21.
Brickman, Alan E., Rostravor Township, Westmoreland County, Pa., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Load transfer device. 2,201,134; May 21.
Brickman, Alan E., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Pavement joint. 2,201,824; May 21.
Bridges, Frank R., Needham, assignor to The Gamewell Company, Newton Upper Falls, Mass. Signaling system. 2,201,712; May 21.
Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)
Briggs & Stratton Corporation. (See Gottlieb, O. F., Jones, and Kohls, assignors.)
Bristol Aeroplane Company Limited. (See Fedden, A. H. R., and Mansell, assignors.)
Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,201,713; May 21.
Brockett, Milton A., Oshkosh, Wis. Ingredient cabinet. 2,201,152; May 21.
Brockman, Clarence, Wayne, Nebr. Soil cultivating device. 2,201,758; May 21.

Bronstein, Joseph L., Milwaukee, Wis., now by change of name Joseph L. Brans. Safety razor. 2,201,951; May 21.
Browder, Jewel D., Oklahoma City, Okla., and C. W. Easley, Henrietta, Tex. Communication system. 2,201,472; May 21.
Brown Instrument Company, The. (See Krogh, Anker E., assignor.)
Brown, James W., administrator. (See Smith, F. H., and Stringfellow.)
Brown, Marshall, assignor of one-half to R. Kamm, Chicago, Ill. Disappearing clock display apparatus. 2,201,809; May 21.
Brown, William A., Philadelphia, Pa. Lighting and air impelling device. 2,201,153; May 21.
Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,201,880; May 21.
Bruce, John M., New York, N. Y. Brew handling and dispensing apparatus. 2,201,154; May 21.
Brunswick-Balke-Collender Company, The. (See Guyton, Robert H., assignor.)
Bry, Edwin, Elberon, assignor to Edwin & Louis Bry, Inc., New York, N. Y. Two-color bouclé. 2,201,759; May 21.
Bry, Edwin & Louis, Inc. (See Bry, Edwin, assignor.)
Bryant, Frank D., Stratford, and W. R. Young, Fairfield, Conn., assignors to General Electric Company. Rotary switch. 2,201,881; May 21.
Bryant, Frank D., Stratford, and W. R. Young, Fairfield, Conn., assignors to General Electric Company. Electric switch. 2,201,882; May 21.
Buchen, Clement A., assignor to Eaton Metal Products Co., Denver, Colo. Concrete cart. 2,201,224; May 21.
Buehner, William F. A., New York, N. Y. Automobile license plate lock. 2,201,519; May 21.
Bugenhagen, George H., Minot, N. Dak. Floor anchor. 2,101,714; May 21.
Bundy, Albert J., Jeannette, assignor to American Window Glass Company, Pittsburgh, Pa. Manufacture of sheet glass. 2,201,286; May 21.
Burgess, Richard H., San Antonio, Tex. Deicing mechanism. 2,201,155; May 21.
Burk, Robert E., assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant preparation. 2,201,607; May 21.
Burk, Robert E., assignor to The Standard Oil Company, Cleveland, Ohio. Treatment of sulphur-containing distillates. 2,201,883; May 21.
Burnett, Alexander, assignor to Industrial Patents Corporation, Chicago, Ill. Clutch mechanism. 2,201,715; May 21.
Burrage, Leslie J., Liverpool, Lancashire, assignor to Imperial Chemical Industries Limited, London, England. Manufacture of alkali metal cyanide. 2,201,760; May 21.
Busse, Warren F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Extreme pressure lubricant. 2,201,258; May 21.
C M C Corporation. (See Moreno, Gabriel G., assignor.)
Cadwallader, Harry, Jr., Philadelphia, Pa. Die for making a T-shaped part. 2,201,225; May 21.
Calkins, Albert E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fractionation of chlorinated ketones by steam distillation. 2,201,259; May 21.
Callahan, William S., Jacksonville, Fla. Fume digester. 2,201,520; May 21.
Cameron Machine Company. (See Johnstone, Robert M.)
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Pop valve. 2,201,363; May 21.
Campbell, Harris S., Willow Grove, Pa., assignor, by mesne assignments, to Autogiro Company of America. Rotary winged aircraft. 2,201,810; May 21.
Canetta, John. (See Cook, E. S., and Canetta.)
Carborundum Company, The. (See Boyer, J. A., and Rose, assignors.)
Carborundum Company, The. (See Melton, R. L., Benner, and Kirchner, assignors.)
Carborundum Company, The. (See Robie, Norman P., assignor.)
Carborundum Company, The. (See Williamson, John A., assignor.)
Carlson, Bert G., Freeport, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Hydraulic automatic pilot for aircraft. 2,201,226; May 21.
Carlson, Eric S., assignor to Termstedt Manufacturing Company, Detroit, Mich. Ash receiver. 2,201,333; May 21.
Carlson, Harold, White Plains, assignor to The Associated Press, New York, N. Y. Detachable scanning drum. 2,201,473; May 21.
Carlson, Harold, White Plains, assignor to The Associated Press, New York, N. Y. Loading device for scanning drums. 2,201,474; May 21.
Carlyle Johnson Machine Co. (See Coe, Allan R., assignor.)
Carnegie Institute of Technology of Pittsburgh. (See Mayers, Martin A., assignor.)
Carner, James F., Long Beach, Calif. Amalgamator. 2,201,475; May 21.
Carothers, Wallace H., deceased, by Wilmington Trust Company, executor, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric material. 2,201,884; May 21.
Carpenter, Charles E., Chicago, Ill. Doughnut machine and the like. 2,201,364; May 21.
Carpenter, Warren W., Garden City, and L. E. Kittredge, Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,201,573; May 21.
Carr, Lyman W., Fostoria, Ohio. Fuse carrying connector. 2,201,427; May 21.
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Material gathering and loading machine. 2,201,334; May 21.
Case, Nelson P., Great Neck, N. Y., assignor to Hazeltine Corporation. Duplex vacuum-tube repeater. 2,201,365; May 21.
Casey, Charles C., Detroit, Mich. Track and carriage for sorting devices. 2,201,227; May 21.
Casse, Joseph E. (See Siess, H. J., and Casse.)
Castagnola, Oliviero. (See Lalli, E., and Castagnola.)
Casteel, George W., Lemon Grove, Calif. Protecting trees from insects. 2,201,643; May 21.
Catucci, Pliny, assignor to The General Industries Company, Elyria, Pa. Fishing reel. 2,201,476; May 21.
Causey, George W., Pittsburgh, Pa. Scaffolding. 2,201,608; May 21.
Celanese Corporation of America. (See Walker, William, assignor.)
Celluloid Corporation. (See Root, Edward L., assignor.)
Central National Bank of Cleveland, as trustee. (See Paden, William L., assignor.)
Chamberlin, Jess D., Detroit, Mich. Steering column bushing. 2,201,477; May 21.
Chamberlin Metal Weather Strip Company. (See Julien, Louis F., assignor.)
Chemical Construction Corporation. (See Richardson, Ralph S., assignor.)
Cheng, Kuo Yu, Cincinnati, Ohio. Transmission. 2,201,847; May 21.
Chicago Development Company. (See Dean, Reginald S., assignor.)
Child, Arthur J., Bushey Heath, J. C. Hall, Wimbledon, London, and J. W. Stobart, Merton, London, assignors of one-fourth to W. Smith, London, England. Photographic printing machine. 2,201,865; May 21.
Chittum, Hugh H., et al. (See Birmingham, Raymond A., assignor.)
Chott, Edward L., assignor of one-half to H. J. Chott, Chicago, Ill. Dental amalgamator. 2,201,428; May 21.
Chott, Hugo J. (See Chott, Edward L., assignor.)
Christensen, Edward H., Oshkosh, Wis. Implement hitch. 2,201,660; May 21.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener installation and fastener for the same. 2,201,387; May 21.
Chutorash, Gustave. (See Wernig, J. H., and Chutorash.)
Chrysler Corporation. (See Utz, Chester C., assignor.)
Cimatool Company. (See Poock, Louis F., assignor.)
Cinch Manufacturing Corporation. (See Del Camp, Scipione M., assignor.)
Cincinnati Butchers' Supply Company, The. (See Schmidt, Oscar C., assignor.)
Cincinnati Time Recorder Company, The. (See Streckfuss, Elmer G., assignor.)
Clark, Donald H. (See Hendricks, A. W., and Clark.)
Clothier, Stewart L., East Orange, and H. C. Hogencamp, Irvington, assignors to Kolorama Laboratories, Inc., Newark, N. J. Method and system for television transmission. 2,201,554; May 21.
Clothier, Stewart L., East Orange, and H. C. Hogencamp, Irvington, assignors to Kolorama Laboratories, Inc., Newark, N. J. Scanner. 2,201,811; May 21.
Clow, Alfred C., Greenwich, London, assignor to Philplug Products Limited, Perivale, Greenford, Middlesex, England. Boring or drilling tool. 2,201,159; May 21.
Coe, Allan R., assignor to The Carlyle Johnson Machine Co., Manchester, Conn. Clutch. 2,201,676; May 21.
Cohen, Joseph H., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,201,952; May 21.
Cohn, Ralph F., assignor to Pines Winterfront Company, Chicago, Ill. Thermostatically actuated shutter unit. 2,201,661; May 21.
Colberg, Rolf. (See Ruska, E., Reichel, and Colberg.)
Coleman, Gerald H., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. (Polyhalophenoxy-alkyl) (thiocyano-alkyl) ethers. 2,201,156; May 21.
Coleman, Gerald H., Midland, Mich., and R. W. Sapp, Cambridge, Mass., assignors to The Dow Chemical Company, Midland, Mich. Organic thiocyanates. 2,201,157; May 21.
Coleman, Gerald H., Midland, Mich., and R. W. Sapp, Cambridge, Mass., assignors to The Dow Chemical Company, Midland, Mich. (Alkyl-halo-phenoxy-alkyl) (thiocyano-alkyl) ethers. 2,201,158; May 21.
Collins, John F. (See Steadman, Edwin E., assignor.)
Collins, Joseph L., assignor to Sprague Specialties Company, North Adams, Mass. Electrolytic device. 2,201,761; May 21.
Columbia Ribbon & Carbon Manufacturing Company. (See Dixon, Lewis M., assignor.)
Compagnie des Forges et Acieries de la Marine et d' Homecourt. (See Granat, Elie, assignor.)
Connor, William L., Los Angeles, Calif. Shoe polishing kit. 2,201,260; May 21.

Consolidated Car-Heating Company. (See Parsons, Robert J., assignor.)
Consolidated Expanded Metal Companies, The. (See McGee, Richard T., assignor.)
Continental Can Company. (See Schmitt, Otto A., assignor.)
Cook, Earle S., and J. Canetta, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake equipment. 2,201,574; May 21.
Cook, John T., Earl Gray, Saskatchewan, Canada. Converting liquid hydrocarbon into gaseous fuel. 2,201,965; May 21.
Cook, William D., and R. W. Thomas, Birmingham, Mich., assignors to Phillips Petroleum Company. Protective cover. 2,201,521; May 21.
Corhart Refractories Company. (See Fulcher, Gordon S., assignor.)
Cornell, Ernest R., Niagara Falls, and R. B. Cornell, Toronto, Ontario, Canada. Machine for transferring fluids. 2,201,575; May 21.
Cornell, Robert B. (See Cornell, Ernest R. and R. B.)
Corson, Michael G., New York, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc. Copper and copper base alloys. 2,201,555; May 21.
Cotter, Bart, assignor to General Motors Corporation, Detroit, Mich. Fastening device. 2,201,335; May 21.
Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Transmission gearing. 2,201,848; May 21.
Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Safety tile section. 2,201,849; May 21.
Cox, John R., assignor to Thompson Products, Inc., Cleveland, Ohio. Automatic chucking device. 2,201,287; May 21.
Crandall, Eugene L. (See Piercy, C. A., and Crandall.)
Crawford Door Company. (See Siess, H. J., and Casse, assignors.)
Croce, Angelo, Welby, assignor of forty-nine per cent to J. F. Heffner, Denver, Colo. Planter. 2,201,556; May 21.
Crousse, Louis. (See Gadoux, E., and Crousse.)
Cubitt, Roger H. (See Williams, A. L., Thompson, and Cubitt.)
Cudney, Gordon W. (See Schanck, W. D., and Cudney.)
Culbertson, Frank E., Uniontown, Kans. Animal trap. 2,201,307; May 21.
Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphamic acid salts of polymeric amino compounds. 2,201,762; May 21.
Curioni, Aldo, Katonah, assignor to The Gasolaire Corporation, Mount Kisco, N. Y. Self-contained gas generating plant. 2,201,854; May 21.
Curioni, Aldo, Katonah, assignor to The Gasolaire Corporation, Mount Kisco, N. Y. Gasifying apparatus for fuel oil. 2,201,855; May 21.
Curtis, Westley F., Beaver Heights, Md. Controlling the timbre of an electrical musical instrument. 2,201,160; May 21.
Curtis, Westley F., Beaver Heights, Md. Electric organ. 2,201,388; May 21.
Czarnecki, Walter V., Jr., Eddington, and W. Czarnecki, Cornwells Heights, assignors to Eddington Metal Specialty Co., Eddington, Pa. Double acting sealing means for relatively rotatable parts. 2,201,478; May 21.
Czarnecki, Wesley. (See Czarnecki, Walter V., Jr., and W.)
Daimler-Benz Aktiengesellschaft. (See Bokemüller, Alfred, assignor.)
Daimler-Benz Aktiengesellschaft. (See Bokemüller, A., and Schaub, assignors.)
Daimler-Benz Aktiengesellschaft. (See Heess, A., and Scheerer, assignors.)
Dale, Julian K., Terre Haute, Ind., and D. P. Langlois, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Sirup and making same. 2,201,609; May 21.
Dall, Edward D., Waukegan, Ill., assignor to W. F. Wright, Cleveland, Ohio. Lock structure for automobile doors. 2,201,644; May 21.
Dallin, Edwin B., Arlington Heights, assignor to Submarine Signal Company, Boston, Mass. Sending and receiving circuit. 2,201,943; May 21.
Dalotel, Maurice A., Deuil, France. Motion picture camera. 2,201,886; May 21.
Dalton, Robert A., Fairfield, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Top printed stencil and making. 2,201,953; May 21.
Daniel, Friedrich K., Kew Gardens, N. Y. Concentrating and dialyzing waste pulp liquor and the product thereof. 2,201,812; May 21.
Davidson, Elliott C., St. Joseph, Mich. Stencil book. 2,201,479; May 21.
Davis, Chester L., et al. (See Willing, Mark S., assignor.)
Davis, Garland H. B. (See Franceway, James A., Jr., and Davis.)
Davis, Robert E., Jr., Fort Payne, Ala., assignor to Interwoven Stocking Company, New Brunswick, N. J. Knitting machine. 2,201,716; May 21.
Dawihl, Walther, Kohlhasenbrück, near Berlin, and W. Thouret, Berlin-Wilmersdorf, Germany, assignors to General Electric Company. Sealed electrical device. 2,201,717; May 21.
Dawson, George A. (See Middleton, E. B., and Dawson.)
Dawson, James C., Jr., Kirkwood, Mo. Wound clip. 2,201,610; May 21.
Dawson, James C., Jr., Kirkwood, assignor to L. L. Gardner, University City, Mo. Key case. 2,201,850; May 21.
Dawson, James C., Jr., Kirkwood, assignor to L. L. Gardner, University City, Mo. Key holder. 2,201,851; May 21.
Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Arc tube system. 2,201,966; May 21.
Dean, Reginald S., Washington, D. C., assignor to Chicago Development Company, Chicago, Ill. Treatment of manganese and its alloys. 2,201,677; May 21.
Deans, Frank B., Sharon Hill, Pa. Container cover operating means. 2,201,161; May 21.
De Bord, Bert A., Temple, Tex. Awning structure. 2,201,887; May 21.
Deerhake, Franklin M., Schenectady, N. Y., assignors to General Electric Company. Circuit breaker testing arrangement. 2,201,852; May 21.
De Give, Louis P., Atlanta, Ga. Moisture box. 2,201,389; May 21.
Deibel, Cyril P., Lakewood, Ohio. Carbonating apparatus and cooling unit. 2,201,429; May 21.
Deibel, Cyril P., Lakewood, Ohio. Apparatus for producing and storing carbonated water. 2,201,430; May 21.
Delaney, Daniel J., North Arlington, N. J. Fluorescent lamp. 2,201,390; May 21.
De Laval Separator Company, The. (See Berwick, Frederick W. and A. G., assignors.)
Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Fastener attaching member and fastener installation. 2,201,611; May 21.
De Luco, Rose M., Jersey City, N. J. Infant's undergarment. 2,201,662; May 21.
Demarest, Thomas W. (See Meyer, W. J., and Demarest.)
Dempsey, Philip W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Making gaskets. 2,201,576; May 21.
Denker, Rudolf F. A., Denison, Iowa. Typographical casting machine. 2,201,336; May 21.
Depew, Harlan A., Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Making zinc sulphide. 2,201,522; May 21.
De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Socket structure. 2,201,853; May 21.
Derrig, Joseph A., Mount Prospect, Ill. Hydraulically operating braking system. 2,201,523; May 21.
Detroit Hone Equipment Corporation. (See Prange, Maurice N., assignor.)
Deutsch, Clarence, assignor to St. Paul White Lead and Oil Company, St. Paul, Minn. Color planner. 2,201,888; May 21.
Deutsche Gold und Silber Scheideamstalt, vormals. Roessler. (See Albrecht, Carl, assignor.)
Dexter Folder Company. (See Kast, Edward R., assignor.)
Dickinson, Arthur H., Bronxville, assignor to International Business Machines Corporation, New York, N. Y. Impulse creating and selecting device for accounting machines. 2,201,825; May 21.
Diehl, Aloysius C., Monroe, Mich. Vehicle ventilating means. 2,201,480; May 21.
Disney, Walt, Productions. (See Disney, Walter E., assignor.)
Disney, Walter E., assignor to Walt Disney Productions, Los Angeles, Calif. Art of animation. 2,201,689; May 21.
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Bracket and manufacture thereof. 2,201,826; May 21.
Dixon, Lewis M., Sea Cliff, assignor to Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Colloidal mill. 2,201,889; May 21.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Vehicle lighting equipment. 2,201,856; May 21.
Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train annunciating apparatus. 2,201,718; May 21.
Dodson, Carroll E. (See Martin, L. T., and Dodson.)
Doering, Charles and H. H., E. W. Anderson, and B. Skoglund, Chicago, Ill.; said Anderson and said Skoglund assignors to said C. Doering and said H. H. Doering. Plastic-material cutting machine. 2,201,391; May 21.
Doering, Charles and H. H., E. W. Anderson, and B. Skoglund, Chicago, Ill.; said Anderson and said Skoglund assignors to said C. Doering and said H. H. Doering. Continuous cutting machine for plastic material. 2,201,392; May 21.
Doering, Henry H. (See Doering, Charles and H. H., Anderson, and Skoglund.)
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Antenna. 2,201,857; May 21.
Don Lee Broadcasting System. (See Lubcke, Harry R., assignor.)
Dollahite, Kenneth J., Fort Worth, Tex. Perforating apparatus. 2,201,481; May 21.
Doud, Charles A., Alta Loma, Tex. Device for laying pipe at an oil rigging. 2,201,813; May 21.

Douglas, Kenneth F., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter control. 2,201,393; May 21.
Douglass Aircraft Company. (See Traumann, Herbert L., assignor.)
Douglass, Cecil N., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Distributing valve for pneumatic hammers. 2,201,431; May 21.
Dow Chemical Company, The. (See Coleman, G. H., and Moyle, assignors.)
Dravo Corporation. (See Edwards, Vere B., assignor.)
Dreyfus, Henry, London, England. Manufacture of aliphatic acids. 2,201,228; May 21.
Driggs, Louis L., Jr., Tippecanoe City, Ohio. Flare casing and method of sealing. 2,201,482; May 21.
Dritz-Traum Company. (See McCreary, Roland A., assignor.)
Dubois, Alfred, Gilbertville, Mass. Attachment for looms. 2,201,763; May 21.
Dufault, Homer D., Easthampton, assignor to Holyoke Heater Co., Holyoke, Mass. Burner apparatus. 2,201,678; May 21.
Du Mont, Allen B., Laboratories, Inc. (See Goldsmith, Thomas T., Jr., assignor.)
Dunn, John S., Syracuse, N. Y. Collapsible stretcher. 2,201,890; May 21.
Du Pont, E. I., de Nemours & Company. (See Carothers, Walter H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Cupery, Martin E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Edgar, D. E., and Robinson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Ellsworth, D. C., and Schulze, assignors.)
Du Pont, E. I. de Nemours & Company. (See Fletcher, David A., assignor.)
Du Pont, E. I. de Nemours & Company. (See Hanford, Williand E., assignor.)
Du Pont, E. I. de Nemours & Company. (See McBurney, J. D., and Nollau, assignors.)
Du Pont, E. I., de Nemours & Company. (See McCormick, G. R., and Russell, assignors.)
Du Pont, E. I., de Nemours & Company. (See Oeffinfer, E. F., and Stauffer, assignors.)
Du Pont, E. I. de Nemours & Company. (See Owens, J. K., and Scroggie, assignors.)
Du Pont, E. I., de Nemours & Company. (See Peterson, R. F., and Wrightsman, assignors.)
Du Pont, E. I., de Nemours & Company. (See Pinkney, Paul S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Pyle, Cyrus, III, assignor.)
Du Pont, E. I., de Nemours & Company. (See Sorenson, Ben E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Staudt, Ambrose W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sullivan, David J., assignor.)
Du Puis, Robert N. (See Lenth, C. W., and Du Puis.)
Durant, Raymond C., Pasadena, Calif. Coupling device. 2,201,858; May 21.
Duro Company, The. (See Zimmerman, Arthur C., assignor.)
Easley, Clifton W. (See Browder, J. D., and Easley.)
Eastman Kodak Company. (See Bean, Frederic R., assignor.)
Eaton Metal Products Co. (See Buchen, Clement A., assignor.)
Eddington Metal Specialty Co. (See Czarnecki, Walter V., Jr., and W.)
Edelblute, Thomas H., Reynoldsville, Pa. Car door operating implement. 2,201,394; May 21.
Edgar, Donald E., Philadelphia, and P. Robinson, Llanerch, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated and impregnated fabric. 2,201,891; May 21.
Edgar, Donald E., Philadelphia, and P. Robinson, Llanerch, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Leather finish. 2,201,892; May 21.
Edge, Dexter, Gary, Ind. Metal strip coil heating. 2,201,308; May 21.
Edwards, T. J., Inc. (See Andersen, Laurits, assignor.)
Edwards, Vere B., Coraopolis, Pa., assignor to Dravo Corporation, Boat. 2,201,859; May 21.
Egry Register Company, The. (See Pfeiffer, William C., assignor.)
Eicher, Pearl, near North Canton, Ohio. Curl clip. 2,201,719; May 21.
Eklund, Torsten, Surahammar, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement for the balancing of electrodes of electrical arc furnaces. 2,201,483; May 21.
Elder, Thomas A., Scotia, N. Y., assignor to General Electric Company. Thermionic cathode structure. 2,201,720; May 21.
Elder, Thomas A., Scotia, N. Y., assignor to General Electric Company. Thermionic cathode structure. 2,201,721; May 21.
Electric Controller & Manufacturing Company, The. (See Szabo, William F., assignor.)
Electric & Musical Industries Limited. (See Percival, William S., assignor.)
Elliott, Harold F., Palo Alto, Calif. Electrical communication system. 2,201,162; May 21.
Ellis, Robert M. (See Wolters, C. F., and Ellis.)
Ellsworth, Deane C., deceased, by J. F. Haskins, Wilmington, Del., administrator, and F. Schulze, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Xanthate of cellulose glycollic acid. 2,201,663; May 21.
Eltgroth, George V., assignor to Bendix Radio Corporation, Chicago, Ill. Tube tester. 2,201,764; May 21.
Engineering Research Corporation. (See Barrett, William M., assignor.)
English, Solomon, London, England, assignor to Holophane Company, Inc., New York, N. Y. Luminaire. 2,201,860; May 21.
Epner, Daniel, New York, N. Y. Hand sander. 2,201,645; May 21.
Equitable Paper Bag Co. Inc. (See Poppe, George W., assignor.)
Erlanger Cotton Mills Company. (See Wilson, Oscar C., assignor.)
Estate Stove Company, The. (See Kahn, B. B., and Hake, assignors.)
Esty, Alfred H., Santa Cruz, Calif. Container for perishable liquids. 2,201,524; May 21.
Eugene, Ltd. (See Suter, E. F., and Korpacsy, assignors.)
Euwer, Herbert D., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. All season air conditioning for railway cars. 2,201,765; May 21.
Evans, Frank E., Sr., Gretna, La. Barrel hoop measuring means. 2,201,135; May 21.
Evans, John G., H. A. Piggott, and C. S. Woolvin, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Dyeing. 2,201,814; May 21.
Ewald, Carl A., Seattle, Wash. Respirator. 2,201,600; May 21.
Ewald, Mark, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Apparatus for treating fruit. 2,201,967; May 21.
Ewaldson, Waldemar C., Millington, and H. Kress, North Plainfield, N. J., assignors to Western Electric Company, Inc., New York, N. Y. Apparatus for handling strands. 2,201,288; May 21.
Fabrik Elektr. Apparate Fr. Suter A. G. (See Ninnelt, Alfred, assignor.)
Fagone, Anthony, East Brookfield, Mass. Gauge for pulling over machines. 2,201,646; May 21.
Farrington, Bruce B., and R. L. Humphreys, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compound lubricating oil. 2,201,484; May 21.
Fedden, Alfred H. R., and H. C. Mansell, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Lubrication of internal-combustion engines. 2,201,525; May 21.
Feinberg, Allan A., assignor to United States Air Conditioning Corporation, Minneapolis, Minn. Air conditioning apparatus. 2,201,647; May 21.
Fenske, Merrell R. (See Andrews, C. E., and Fenske.)
Ferguson, James P., South Bend, Ind. Shaft truing device. 2,201,664; May 21.
Fernseh Aktien-Gesellschaft. (See Ruska, E., Reichel, and Colberg, assignors.)
Ferrari, Arthur M., Klamath Falls, Oreg. Saw shaper. 2,201,766; May 21.
Fidelity Machine Company. (See Larkin, Walter, assignor.)
Fields, William E., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,201,612; May 21.
Finch, Laurence W. (See Letourneau, D. H., and Finch.)
Fischbeck, John F., et al. (See Atkins, H. J., and Bennett, assignors.)
Fischer, Albert, assignor to the firm Erwin Behr, Mobelfabrik, Wendlingen, Wurtemberg, Germany. Hinge. 2,201,968; May 21.
Fischer, Ernst, Offenbach-on-the-Main, Germany, assignor to General Aniline & Film Corporation. Monoazo dyestuffs insoluble in water. 2,201,648; May 21.
Fisher, Sol, Cleveland Heights, Ohio. Hair curling device. 2,201,613; May 21.
FitzGerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,201,432; May 21.
Fleischer, Max, Miami Beach, Fla. Making motion picture cartoons. 2,201,649; May 21.
Fletcher, David A., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified polymers of methacrylic acid esters and preparation of the same. 2,201,395; May 21.
Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,201,954; May 21.
Food Machinery Corporation. (See Twomley, Herbert E., assignor.)
Forbes Lithograph Manufacturing Company. (See Little, John W., assignor.)
Ford, Keith, Long Beach, assignor of two-thirds to E. B. Hall, Los Angeles, and A. L. Armentrout, Long Beach, and one-third to V. P. Baker, Los Angeles, Calif. Liner hanger. 2,201,433; May 21.
Forrester, Washington E., Baltimore County, Md. Pipe bowl lining filterer. 2,201,526; May 21.

Forss, Frithiof P., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Tool retainer. 2,201,485; May 21.
Fowler, Robert E. (See Wallis, C. T., and Fowler.)
Fox, Alexander P., University City, and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,201,163; May 21.
Fox, Joseph C., Seattle, Wash. Decoy. 2,201,164; May 21.
Franceway, James A., Jr., deceased; J. A. Franceway, Sr., Madisonville, Ky., administrator, and G. H. B. Davis, Elizabeth, N. J., assignors to Standard Oil Development Company. Lubricating oil. 2,201,767; May 21.
Franceway, James A., Jr., deceased; J. A. Franceway, Sr., Madisonville, Ky., administrator, and G. H. B. Davis, Elizabeth, N. J., assignors to Standard Oil Development Company. Preparing synthetic oils. 2,201,768; May 21.
Franceway, James A., Sr., administrator. (See Franceway, J. A., Jr., and Davis.)
Frank, Charles S. (See Lorenzen, Ben L., assignor.)
Franke, Ernst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Circuit arrangement for reducing interference. 2,201,337; May 21.
Frederick, Donald S. (See Marvel, C. S., and Frederick.)
Freeman, Howard L., Alma, Mich. Target and projectile receiver. 2,201,527; May 21.
Freng, Johannes, Oslo, Norway. Apparatus for adding extracts or the like to shower baths. 2,201,528; May 21.
Frenze, Bernard M., Garden City, N. Y., assignor to American Fixture & Showcase Manufacturing Co., St. Louis, Mo. Bracket. 2,201,529; May 21.
Frey, Elmer E., assignor to Kittle Manufacturing Co., Los Angeles, Calif. Arm rest. 2,201,261; May 21.
Friedrich, Kurt, Munich, and E. Seibold, Heidenheim-on-the-Brenz, Wurtemberg, assignors to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Hydraulic circuit brake and its application in rail and road vehicles. 2,201,165; May 21.
Frith, Basil M., and G. E. Gwynne-Craig, Vancouver, British Columbia, Canada. Vending machine. 2,201,722; May 21.
Froeschl, Otto P. and P. A., Kansas City, Mo. Ratchet mechanism. 2,201,827; May 21.
Froeschl, Paul A. (See Froeschl, Otto P. and P. A.)
Fryar, Paul J., Berkeley Park, assignor to Union Oil Company of California, Los Angeles, Calif. Asphalt and producing the same. 2,201,396; May 21.
Fulcher, Gordon S., assignor to Corhart Refractories Company, Louisville, Ky. Cast refractory block and producing the same. 2,201,723; May 21.
Fuld, Melvin, Baltimore, Md. Receptacle and manner of supporting the same. 2,201,530; May 21.
Furness, William H., assignor to American Rayon Company, Inc., Riverton, N. J. Treating cotton materials. 2,201,262; May 21.
Gable, Charles E., Detroit, Mich. Toy block and puzzle. 2,201,724; May 21.
Gadoux, Eugéne, La Frette, and L. Crousse, Paris, France. Engine and propeller. 2,201,893; May 21.
Gallagher, Clarence J., Gridley, Kans. Fishing tool. 2,201,434; May 21.
Gamewell Company, The. (See Bridges, Frank R., assignor.)
Gammeter, John R., Akron, Ohio. Making golf ball cores. 2,201,691; May 21.
Gardner, Leah L. (See Dawson, James C., Jr., assignor.)
Gardner, Leah L. (See Koelling, Edward A., assignor.)
Gasolaire Corporation, The. (See Curioni, Aldo, assignor.)
Geb, Fred A., Dallas, Tex. Spring stabilizer. 2,201,531; May 21.
Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
General Aniline & Film Corporation. (See Fischer, Ernst, assignor.)
General Ceramics Company. (See Kingsbury, Percy C., assignor.)
General Electric Company. (See Bryant, F. D., and Young, assignors.)
General Electric Company. (See Dawihl, W., and Thouret, assignors.)
General Electric Company. (See Deerhake, Franklin M., assignor.)
General Electric Company. (See De Reamer, Frank C., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Elder, Thomas A., assignor.)
General Electric Company. (See Hanna, Max R., assignor.)
General Electric Company. (See Heinrich, Kurt, assignor.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Hässler, Gerhard, assignor.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Illingworth, George, assignor.)
General Electric Company. (See Jones, Benjamin W., assignor.)
General Electric Company. (See Kostka, Friedrich, assignor.)
General Electric Company. (See McCune, Francis K., assignor.)
General Electric Company. (See McKeag, Alfred H., assignor.)
General Electric Company. (See McMahan, Denton D., assignor.)
General Electric Company. (See Moffett, Guy A., assignor.)
General Electric Company. (See Piercy, C. A., and Crandall, assignors.)
General Electric Company. (See Verse, Hansheinrich, assignor.)
General Electric Company. (See Wardwell, George W., Jr., assignor.)
General Electric Company. (See Wardwell, G. W., Jr., and Arnett, assignors.)
General Electric Company. (See Wieseman, Robert W., assignor.)
General Electric Company. (See Wright, D. K., and Weston, assignors.)
General Electric Company. (See Zelt, Elmer J., assignor.)
General Industries Company. (See Catucci, Pliny, assignor.)
General Motors Corporation. (See Cotter, Bart, assignor.)
General Motors Corporation. (See Graham, Charles D., assignor.)
General Motors Corporation. (See Hunt, George, assignor.)
General Motors Corporation. (See Keper, Francis P., assignor.)
General Motors Corporation. (See Teeter, Wilford H., assignor.)
General Motors Corporation. (See Tucker, Guy L., assignor.)
General Motors Corporation. (See Wallis, C. T., and Fowler.)
General Railway Signal Company. (See Phinney, R. M., and Hitchcock, assignors.)
General Tire & Rubber Company. (See Kraft, Herman T., assignor.)
Germeshausen, Kenneth J., Cambridge, Mass. Electric circuit. 2,201,166; May 21.
Germeshausen, Kenneth J., Cambridge, Mass. Gaseous-discharge device. 2,201,167; May 21.
Gerson, Gerhard, Essen-Rellinghausen, and F. W. Nagel, Bochum, Germany. Pressure regulator. 2,201,804; May 21.
Getaz, James L., Maryville, Tenn. Plain knit ornamented fabric. 2,201,557; May 21.
Geyser, Emil K., Pittsburgh, Pa. Window sash. 2,201,577; May 21.
Gillett, Elmon C. (See Roessel, Louis O. E., assignor.)
Gilman, Morris A. (See Loeb, C., Gilman, and Anderson.)
Glass, John V. S., Sutton Weaver, near Warrington, England, assignor to Imperial Chemical Industries Limited. Manufacture of gelatin. 2,201,168; May 21.
Glauber, John, West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Insulator for electron discharge devices. 2,201,289; May 21.
Gleason, George A. (See Brickman, A. E., and Gleason.)
Gleason, George A. (See Hayden, A. P., and Gleason.)
Gleason, George A. (See Brickman, A. E., and Gleason.)
Glen, Lauchlan M., Durban, Union of South Africa. Rotary plug valve with spherical plugs. 2,201,895; May 21.
Glidewell, John T., Memphis, Tenn. Toy. 2,201,532; May 21.
Globe-Wernicke Company, The. (See Link, Forest L. W., assignor.)
Godsey, Frank W., Jr., assignor to Sprague Specialties Co., North Adams, Mass. Electrical device. 2,201,725; May 21.
Goldenberg, Seymour, Grantwood, N. J. Tire chain anchor device. 2,201,397; May 21.
Goldman, Sylvan N., Oklahoma City, Okla. Store service truck. 2,201,533; May 21.
Gold, Samuel, Chicago, Ill. Toy. 2,201,486; May 21.
Goldsmith, Thomas T., Jr., Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Method and system for television communications. 2,201,309; May 21.
Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)
Goodrich, B. F., Company, The. (See Anderson, John F., assignor.)
Goodrich, B. F., Company, The. (See Bedell, James R., assignor.)
Goodrich, B. F., Company, The. (See Beebe, John D., assignor.)
Goodrich, B. F., Company, The. (See Busse, Warren F., assignor.)
Goodrich, B. F., Company, The. (See Calkins, Albert E., assignor.)
Goodrich, B. F., Company. (See Partridge, Edward G., assignor.)
Goodrich, B. F., Company. (See Schoenfeld, Frank K., assignor.)

Goodrich, B. F., Company, The. (See Slucher, Frank, assignor.)
Goodrich, B. F., Company, The. (See Waner, Harry E., assignor.)
Goodson, C. C., et al. (See Atkins, H. J., and Bennett, assignors.)
Gorse, William H. (See Scott, R. H., Gorse, and Hayward.)
Goss Printing Press Company, The. (See Pollock, Willard M., assignor.)
Gottlieb, Oscar F., Milwaukee, I. M. Jones, Thiensville, and E. E. Kohls, assignors to Briggs & Stratton, Corporation, Milwaukee, Wis. Engine starter. 2,201,310; May 21.
Graham, Charles D., assignor to General Motors Corporation, Dayton, Ohio. Switch for refrigerating apparatus. 2,201,769; May 21.
Granat, Elie, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d' Homecourt, Paris, France. Electric variable pitch log. 2,201,896; May 21.
Granqvist, Carl-Erik, Stockholm, Sweden, assignor to Hazeltine Corporation. Frequency stabilizing arrangement. 2,201,770; May 21.
Grant, Harry C., Jr., New York, N. Y. Sound recording and reproducing apparatus. 2,201,614; May 21.
Grayson Heat Control, Ltd. (See Grayson, John H., assignor.)
Grayson Heat Control, Limited. (See Jackson, Wilbur F., assignor.)
Grayson, John H., assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Safety control for gas burning appliances. 2,201,398; May 21.
Green, Louis F. (See Mitchell, Rudyard K., assignor.)
Greene, Haskell M., Whittier, Calif. Perforating well casings. 2,201,200; May 21.
Gretener, Edgar, Berlin-Siemensstadt, Germany, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Arrangement for avoiding colored fringes when taking images on lenticulated films. 2,201,487; May 21.
Grettie, Donald P., assignor to Industrial Patents Corporation, Chicago, Ill. Stabilization of shortening. 2,201,692; May 21.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Change-speed gearing. 2,201,169; May 21.
Grodsky, Vladimir A., Washington, D. C. Mold composition and producing same. 2,201,366; May 21.
Grohsgal, Alexis C., New York, assignor to Marks Products Co., Inc., Brooklyn, N. Y. Attachment plug. 2,201,578; May 21.
Grohsgal, Alexis C., New York, assignor to Marks Products Co., Inc., Brooklyn, N. Y. Electric attachment device. 2,201,579; May 21.
Gross, Carl G., Mount Vernon, assignor to American Machine and Metals, Inc., New York, N. Y. Hair drier. 2,201,229; May 21.
Grotelueschen, David H. (See Letourneau, D. H., and Finch, assignors.)
Gruber, Bros. (See Maerz, Frederick K., assignor.)
Grubb, William J., C. Shaw, and R. H. Sennett, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Coloring acetate artificial silk. 2,201,367; May 21.
Gruber, Harry J., et al. (See Maerz, Frederick K., assignor.)
Gruber, Max D., et al. (See Maerz, Frederick K., assignor.)
Grundhoefer, Charles, Chicago, Ill. Overfeed control for printing presses. 2,201,726; May 21.
Guyton, Robert H., River Forest, assignor to The Brunswick-Balke-Collander Company, Chicago, Ill. Closure for beverage coolers. 2,201,435; May 21.
Gwynne, Joseph H., Camden, Ohio. Beam scale. 2,201,201; May 21.
Gwynne-Craig, George E. (See Frith, B. M., and Gwynne-Craig.)
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Thread cutter for sewing machines. 2,201,969; May 21.
Hagelauer, Alfred, Chicago, Ill. Cigar cutter. 2,201,771; May 21.
Hague, Floyd T., Drexel Hill, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Copper oxidizing furnace. 2,201,580; May 21.
Haigh, Leslie B. (See Hatton, W., Haigh, and Kozma.)
Hake, Carl J. (See Kahn, B. B., and Hake.)
Hall, E. B., et al. (See Ford, Keith, assignor.)
Hall, Edgar Z., Durham, N. C. Wind musical instrument. 2,201,897; May 21.
Hall, Horace W., Newton, Mass. Playing racket. 2,201,263; May 21.
Hall, James C. (See Child, A. J., Hall, and Stobart.)
Halliden, Karl W., Thomaston, Conn. Flying cutting device. 2,201,581; May 21.
Hallenbeck, Charles V., Denver, Colo. Road surfacing. 2,201,534; May 21.
Hallerberg, Theodore W., Chicago, Ill., assignor, by mesne assignments, to United Specialties Company, Detroit, Mich. Air cleaner. 2,201,650; May 21.
Halliburton, Erle P., Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company. Apparatus for indicating the position of devices in pipes. 2,201,311; May 21.
Halliburton Oil Well Cementing Company. (See Halliburton, Erle P., assignor.)
Halliburton Oil Well Cementing Company. (See Owsley, W. D., and Shook, assignors.)
Halliburton Oil Well Cementing Company. (See Ziegler, Harry B., assignor.)
Hamilton National Bank of Chattanooga. (See Morin, L. O., Jr., and Shelton, assignors.)
Hanford, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Secondary thioamides and preparing them. 2,201,170; May 21.
Hanford, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monomeric polar-substituted thioamides and their preparation. 2,201,171; May 21.
Hanford, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric carbothionamides and preparing the same. 2,201,172; May 21.
Hanitz, Hans T. R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Machine for scalping metal work pieces. 2,201,173; May 21.
Hanna, Max R., Erie, Pa., assignor to General Electric Company. Railway truck. 2,201,861; May 21.
Hansson, Oscar, Askim, assignor to Aktiebolaget Motorus, Goteborg, Sweden. Transmission. 2,201,264; May 21.
Hardie, Donald E., Finchley, London, England. Apparatus for ascertaining the depth focus of a lens. 2,201,230; May 21.
Hardina, John, Astoria, N. Y. Change scoop. 2,201,828; May 21.
Harding, William G., Whitton, and R. H. Nisbet, Osterley, England, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic steering system for aircraft. 2,201,174; May 21.
Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Pickling metals. 2,201,488; May 21.
Harris, Benjamin R., Chicago, Ill. Lipophilic-hydrophilic derivatives of thio compounds. 2,201,535; May 21.
Harris, William D., assignor to Refinoil Manufacturing Corporation, Kansas City, Mo. Still for re-refining used crankcase oils. 2,201,558; May 21.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Building material and the like. 2,201,175; May 21.
Hartley, George D., et al. (See Smith, F. H., and Stringfellow, assignors.)
Harvey, Ellison, Jackson Heights, N. Y. Stringed instrument tuner. 2,201,536; May 21.
Harvey, Frank, Cincinnati, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Trolley collector for bus bar conduit systems. 2,201,679; May 21.
Harvey, George R. (See Raby, A. W., and Harvey.)
Harvey Hubbell, Incorporated. (See Von Holtz, Charles T., assignor.)
Haskins, Joseph F., administrator. (See Ellsworth, D. C., and Schulze.)
Hässler, Gerhard, Berlin-Friedrichshafen, Germany, assignor to General Electric Company. Wave filter. 2,201,338; May 21.
Hasty, J. E. (See Haynes, Albert, assignor.)
Hatton, William, L. B. Haigh, and L. Kozma, Antwerp, Belgium, assignors to Western Electric Company, Incorporated, New York, N. Y. Dial switching telephone system. 2,201,651; May 21.
Haupt, Adolph, assignor to Middleby-Marshall Oven Co., Chicago, Ill. Stabilized tray oven. 2,201,231; May 21.
Hauser, Ernest B., Cedar Rapids, Iowa, assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Heating system. 2,201,312; May 21.
Hayden, Albert P., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Two-purpose highway guardrail. 2,201,313; May 21.
Hayes, Frank A., Middletown, N. J. Variable speed power transmission mechanism. 2,201,176; May 21.
Haynes, Albert, Bay City, assignor of one-half to J. E. Hasty, Houston, Tex. Interior pipe cleaner. 2,201,680; May 21.
Hayward, Arthur S. (See Scott, R. H., Gorse, and Hayward.)
Hazeltine Corporation. (See Case, Nelson P., assignor.)
Hazeltine Corporation. (See Granqvist, Carl-Erik, assignor.)
Heess, Albert and G. Scheerer, Stuttgart-Bad Cannstatt, assignors to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Carburetor control. 2,201,693; May 21.
Heffner, Joseph F. (See Croce, Angelo, assignor.)
Heinrich, Kurt, Berlin-Treptow, Germany, assignor to General Electric Company. Protective apparatus. 2,201,829; May 21.
Heisterkamp, Alex, Hoboken, N. J. Pipe coupling. 2,201,862; May 21.
Helberger, Bruno. Frankfort-on-the-Main, Germany. Electrical musical instrument. 2,201,232; May 21.
Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,201,368; May 21.
Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Testing device. 2,201,369; May 21.

Henderson, William F. (See Smith, J. P., and Henderson.)
Hendley, James A., assignor to The Russell Manufacturing Company, Middletown, Conn. Woven tape. 2,201,772; May 21.
Hendrick, Maurice. (See Talbert, J. A., and Hendrick.)
Hendricks, Albert W., and D. H. Clark, assignors to Totem Shake Corporation, Seattle, Wash. Shake splitting machine. 2,201,815; May 21.
Henry, Oliver H. P., Sullivan, Ill. Tongs. 2,201,727; May 21.
Hercules Powder Company. (See Littmann, Edwin R., assignor.)
Hercules Powder Company. (See Weldin, Lewis C., assignor.)
Hey, Henry W., assignor to Automatic Shifters, Inc., Richmond, Va. Gear shifting mechanism for motor vehicles. 2,201,970; May 21.
Hey, Henry W., assignor to Automatic Shifters, Inc., Richmond, Va. Gear shifting mechanism. 2,201,971; May 21.
Hickey, Henri J., Beverly Hills, Calif. Internal combustion engine. 2,201,292; May 21.
Hickler, Walter R., Weston, assignor to Hood Rubber Company, Inc., Watertown, Mass. Liner for separating adhesive material. 2,201,537; May 21.
Hill, C. V., and Company. (See Hill, Joseph S., assignor.)
Hill, C. V., & Company, The. (See MacMaster, Malcolm D., assignor.)
Hill, Edward H., Chicago, Ill. Emergency vehicle wheel. 2,201,489; May 21.
Hill, Joseph S., Ewing Township, Mercer County, assignor to C. V. Hill and Company, Incorporated, Trenton, N. J. Refrigerated case and platter construction. 2,201,265; May 21.
Hitchcock, Forest B. (See Phinney, R. M., and Hitchcock.)
Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)
Hoesel, Anthony F., assignor to Peerless of America, Incorporated, Chicago, Ill. Thermostatically controlled expansion valve. 2,201,728; May 21.
Hoffer, Solomon, and S. Nosowitz, Brooklyn, N. Y. Window ventilator. 2,201,830; May 21.
Hofele, George, assignor to A. Wehmeier, St. Louis, Mo. Removing carbon and other deposits from internal combustion engines. 2,201,773; May 21.
Hofele, George, assignor to A. Wehmeier, St. Louis, Mo. Apparatus for removing carbon and other deposits from internal combustion engines. 2,201,774; May 21.
Hogander, John E., Minneapolis, Minn. Conveyer belt. 2,201,665; May 21.
Hogencamp, Harold C. (See Clothier, S. L., and Hogencamp.)
Holden, John A., Baltimore, Md. Envelope. 2,201,538; May 21.
Holliday, Julian, Springdale, Ky. Automatic switch. 2,201,898; May 21.
Holland-Rantos Company. (See Singer, David E., assignor.)
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Magnetron. 2,201,666; May 21.
Holophane Company. (See English, Solomon, assignor.)
Holyoke Heater Co. (See Dufault, Homer D., assignor.)
Hood, Norman R., Weston, Runcorn, England, assignor to Imperial Chemical Industries Limited. Degreasing metal and like nonabsorbent articles. 2,201,729; May 21.
Hood Rubber Company. (See Hickler, Walter R., assignor.)
Hopff, Heinrich. (See Vierling, K., and Hopff.)
Hoppenstand, David, Fox Chapel, Pa. Brake. 2,201,293; May 21.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Fiber container manufacture. 2,201,177; May 21.
Houston Pipe Line Company. (See Hutchinson, Frank Y., May 21.
Houston, William E., Columbia, S. C. Fountain pen. 2,201,400; May 21.
Howe, Earl E., Royal Oak, Mich. Inclined hinge. 2,201,490; May 21.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Full fashioned knitting machine. 2,201,136; May 21.
Howland, George K., and O. E. Hultgren, Elmira, assignors to Remington Rand Inc., Buffalo, N. Y. Typewriting and like machine. 2,201,775; May 21.
Huber, Jakob, Tuttlingen, Germany. Wedge for securing hammer heads or the like to their shafts. 2,201,681; May 21.
Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monach Company, St. Louis, Mo. Split handle structure for sadirons. 2,201,491; May 21.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Thermionic cathode structure. 2,201,730; May 21.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Discharge tube electrode assembly. 2,201,731; May 21.
Hultgren, Otto E. (See Howland, G. K., and Hultgren.)
Humphreys, Robert L. (See Farrington, B. B., and Humphreys.)
Hunt, George, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch driven plate. 2,201,339; May 21.
Hunt, George, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch. 2,201,340; May 21.
Huntzicker, Harry N., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Inorganic chemical product and producing the same. 2,201,667; May 21.
Hutchinson, Robert H., Dallas, Tex. Grille. 2,201,266; May 21.
Hutchison, Frank Y., assignor to Houston Pipe Line Company, Houston, Tex. Separator. 2,201,137; May 21.
Hyde, William A., Andrews, N. C. Hoist support. 2,201,138; May 21.
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
Hydraulic Press Corporation, The. (See MacMillin, Howard F., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and v. Reibnitz, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Vierling, K., and Hopff, assignors.)
Illingworth, George, East Cleveland, Ohio, assignor to General Electric Company. Method and apparatus for manufacturing electric lamps and similar articles. 2,201,694; May 21.
Ilsley, Frank P., Muskegon, Mich., assignor of one-half to A. H. Boettcher, Evanston, Ill. Cooling system. 2,201,314; May 21.
Imbium, Leo, San Diego, Calif. Valve refacing tool. 2,201,178; May 21.
Imperial Chemical Industries Limited. (See Burrage, Leslie J., assignor.)
Imperial Chemical Industries Limited. (See Evans, J. G., Piggott, and Woolvin, assignors.)
Imperial Chemical Industries Limited. (See Glass, John V. S., assignor.)
Imperial Chemical Industries Limited. (See Grubb, W. J., Shaw, and Sennett, assignors.)
Imperial Chemical Industries Limited. (See Hood, Norman R., assignor.)
Independent Pneumatic Tool Co. (See Douglass, Cecil N., assignor.)
Independent Pneumatic Tool Co. (See Forss, Frithiof P., assignor.)
Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Microlapping machine. 2,201,955; May 21.
Industrial Patents Corporation. (See Burnett, Alexander, assignor.)
Industrial Patents Corporation. (See Grettie, Donald P., assignor.)
Industrial Rayon Corporation. (See Jordan, Lavern J., assignor.)
Ingersoll Milling Machine Company, The. (See Hanitz, Hans T. R., assignor.)
Ingersoll Milling Machine Company, The. (See Kraus, Charles E., assignor.)
Injecta Aktiengesellschaft. (See Lebkuckner, Karl, assignor.)
International Business Machines Corporation. (See Dickinson, Arthur H., assignor.)
International Engineering Corporation. (See Kliesrath, Victor W., assignor.)
International Engineering Corporation. (See Ney, Alfred M., assignor.)
International Resistance Company. (See Marsten, Jesse, assignor.)
International Shoe Company. (See Jerichow, Earl, assignor.)
Interwoven Stocking Company. (See Davis, Robert E., Jr., assignor.)
Ivey, Ernest N., Bronte, Tex. Price marker. 2,201,139; May 21.
J & J Cash, Incorporated. (See Riley, Thomas, assignor.)
Jackson, Alexis. (See Bary, W. A., and Jackson.)
Jackson, Alexis. (See Makaroff, V. S., and Jackson.)
Jackson, John. (See Schmidt, A. J., and Jackson.)
Jackson, Alexis, Astoria, and V. S. Makaroff, New York, N. Y.; said Jackson assignor to said Makaroff. Automobile lift. 2,201,179; May 21.
Jackson, Wilbur F., Compton, assignor to Grayson Heat Control Limited, Lynwood, Calif. Fuel control device. 2,201,399; May 21.
Jacobson, Axel B., Two Harbors, Minn. Fish lure. 2,201,267; May 21.
Jacque, John, Richmond Hill, N. Y. Pulley adjustment device. 2,201,831; May 21.
Jaffe, Nathan, Chattanooga, Tenn. Shoe repairing machine. 2,201,899; May 21.
Jagler, Edwin J., Chicago, Ill. Ratchet action. 2,201,492; May 21.
Jerichow, Earl, Hannibal, assignor to International Shoe Company, St. Louis, Mo. Die. 2,201,582; May 21.
Johansson, Johan E., assignor to Aktiebolaget Gotaberken, Goteborg, Sweden. Plant comprising two or more pressure medium generators. 2,201,682; May 21.
Johansson, Johan E., assignor to Aktiebolaget Gotaverken, Goteborg, Sweden. Plant comprising pressure medium generators working in parallel. 2,201,683; May 21.

Johnson, Herbert M., Boston, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Terminal clamp. 2,201,583; May 21.
Johnson, Theodore, Chicago, Ill. Mop holder. 2,201,732; May 21.
Johnstone, Robert M., Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Controlling the power drive in a winding or other machine. 2,201,233; May 21.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Remote control system. 2,201,863; May 21.
Jones, Charles R., Rossville, Ga., deceased; C. R. Jones, Jr., administrator. Hoe. 2,201,436; May 21.
Jones, Charles R., Jr., administrator. (See Jones, Charles R.)
Jones, Harry C., New York, N. Y. Typing machine. 2,201,776; May 21.
Jones, Ira M. (See Gottlieb, O. F., Jones, and Kohls.)
Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Sheet metal nut and nut installation. 2,201,401; May 21.
Jonker, Johan L. H., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device and circuit. 2,201,695; May 21.
Joor, William E., Chicago, Ill. Storage tank. 2,201,652; May 21.
Jordan, Lavern J., Fairview Village, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for cutting thread or the like. 2,201,180; May 21.
Jorgensen, Enoch B., assignor, by mesne assignments, to Viber Company, Los Angeles, Calif. Apparatus for road building. 2,201,493; May 21.
Julien, Louis F., assignor to Chamberlin Metal Weather Strip Company, Inc., Detroit, Mich. Screen for detention windows. 2,201,370; May 21.
Jung-Zaeper, Curt. (See Baier, O., and Jung-Zaeper.)
Kaehlert, Kurt, New York, N. Y. Caliper gauge. 2,201,832; May 21.
Kalling, Bo Michael S., Djursholm, Sweden. Decarbonizing carbon-holding iron without melting. 2,201,181; May 21.
Kalling, Bo Mikael S., and I. Rennerfelt, Djursholm, Sweden. Decarbonizing a carbon holding metal, such as pig iron. 2,201,900; May 21.
Kamm, Richard. (See Brown, Marshall, assignor.)
Kastar, Incorporated. (See Stark, Louis, assignor.)
Kay Manufacturing Corporation. (See Krakauer, Abraham, assignor.)
Kaytheon Manufacturing Company. (See Smith, Charles G., assignor.)
Kelley, Elmer E., Windsor, Vt. Machine tool. 2,201,182; May 21.
Kelley, Elmer E., Windsor, Vt. Machine tool. 2,201,183; May 21.
Killefer Manufacturing Corporation. (See Mitchell, Rollie H., assignor.)
Kahn, Bertrand B., Cincinnati, and C. J. Hake, assignors to The Estate Stove Company, Hamilton, Ohio. Stove. 2,201,584; May 21.
Kast, Edward R., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet feeding apparatus. 2,201,539; May 21.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,201,540; May 21.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,201,541; May 21.
Keen, Everett M., Vineland, N. J. Heating device for water fountains. 2,201,901; May 21.
Keiper, Francis P., Philadelphia, Pa., assignor to General Motors Corporation, Dayton, Ohio. Ice tray. 2,201,585; May 21.
Keiper, Francis P., Philadelphia, Pa., assignor to General Motors Corporation, Dayton, Ohio. Ice tray. 2,201,586; May 21.
Keith, Percy A., Newington, Conn. Combination doorknob. 2,201,494; May 21.
Kellogg Switchboard and Supply Company. (See Wallace, Bert A., assignor.)
Kessler-Rossillon, Wolf F. L. (See Blank, Alfons, assignor.)
Kice, Murray S., Jr., assignor to American Blower Corporation, Detroit, Mich. Volume control for fans. 2,201,437; May 21.
Kieckhefer Container Company. (See Wells, R., and Kieckhefer, assignors.)
Kieckhefer, Herbert M. (See Wells, R., and Kieckhefer.)
Kinderman, Walter J., assignor to Yarnall-Waring Company, Philadelphia, Pa. Gauge glass with gasket and gasket seat. 2,201,542; May 21.
Kingsbury, George P., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing and casting machine. 2,201,140; May 21.
Kingsbury Manufacturing Company. (See Meienborn, Ewald W., assignor.)
Kingsbury, Percy C., Elizabeth, N. J., assignor to General Ceramics Company. Ceramic article. 2,201,684; May 21.
Kinney Manufacturing Company. (See Stoltz, Harold I., assignor.)
Kirsch Company. (See Peckham, Alfred, assignor.)
Kirchner, Henry P. (See Melton, R. L., Benner, and Kirchner.)
Kisiyn Corporation. (See Gretener, Edgar, assignor.)
Kitterman, Carl C., Albia, Iowa. Vehicle and trailer draft device. 2,201,141; May 21.
Kittle Manufacturing Co. (See Frey, Elmer E., assignor.)
Kittredge, Linus E. (See Carpenter, W. W., and Kittredge.)
Klein, Victor G. (See Fox, A. P., and Klein.)
Kliesrath, Victor W., South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill. Manufacture of burner elements. 2,201,777; May 21.
Knapp-Monarch Company. (See Huffman, Russell I., assignor.)
Knapp-Monarch Company. (See Smith, Howard A., assignor.)
Knaust, Henry E., assignor to Vita Sales Corporation, St. Louis, Mo. Automatic sandwich-making machine. 2,201,402; May 21.
Knaust, Henry E., assignor to Vita Sales Corporation, St. Louis, Mo. Ice-cream scoop. 2,201,403; May 21.
Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Slitting mechanism for box making machines. 2,201,184; May 21.
Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Making box blanks and boxes. 2,201,185; May 21.
Koelling, Edward A., St. Louis, assignor to L. L. Gardner, University City, Mo. Key case. 2,201,833; May 21.
Kohls, Erich E. (See Gottlieb, O. F., Jones, and Kohls.)
Kollmann, Karl J., Erie, Pa. Boring machine. 2,201,733; May 21.
Kolorama Laboratories, Inc. (See Clothier, S. L., and Hogencamp.)
Kormann, Franz, Graz, Germany, assignor of one-third to O. E. Müller, Philadelphia, Pa., and one-third to C. Prell, Asch, Czechoslovakia. Brake device for cycles. 2,201,902; May 21.
Kostka, Friedrich, Berlin-Buchholz, Germany, assignor to General Electric Company. Method and apparatus for the manufacture of electric condensers. 2,201,864; May 21.
Kozma, Ladislas. (See Hatton, W., Haigh, and Kozma.)
Kraff, Herman T., Akron, assignor to The General Tire & Rubber Company, Summit, Ohio. Making vehicle tire treads. 2,201,668; May 21.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Edge sealing for sponge rubber. 2,201,669; May 21.
Krakauer, Abraham, assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Hinge for sofa beds. 2,201,903; May 21.
Kraus, Charles E., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Power transmission mechanism. 2,201,670; May 21.
Krawinkel, Günther, Berlin-Lichterfelde, Germany. Electron discharge device system. 2,201,587; May 21.
Kreidel, Hans, Wiesbaden, Germany, assignor to Patex Societe Anonyme, Basel, Switzerland. Coupling for tubes and pipes. 2,201,404; May 21.
Kreidler, Raymond L., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa. Photofinish lamp. 2,201,294; May 21.
Kress, Heinz. (See Ewaldson, W. C., and Kress.)
Kress, Willard C., Kenmore, assignor to J. H. Williams & Co., Buffalo, N. Y. Torque indicating wrench. 2,201,234; May 21.
Kriekard, Edward W., Cedar Rapids, Iowa. Target game. 2,201,865; May 21.
Krogh, Anker E., assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,201,946; May 21.
Kropacsy, Charles. (See Suter, E. F., and Kropacsy.)
Kubitza, Marguerite. (See Mizera, Frank E., assignor.)
Kuhns, William L., Girard, Ohio. Lighted bobber for fishlines. 2,201,588; May 21.
Kump, Henry, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Fastening means for securing railway car lining. 2,201,778; May 21.
Kuna, Josef, London, England. Covered sliding clasp fastener. 2,201,792; May 21.
Ladon, Aaron A., Evanston, Ill., and F. V. Osborn, Muncie, Ind., assignors to Masonite Corporation, Chicago, Ill. Molding support means. 2,201,341; May 21.
Laisne, Léon E., Levallois Perret, France, assignor to Bendix Aviation Corporation, Chicago, Ill. Independent wheel suspension. 2,201,438; May 21.
Lalli, Eugene, Lebanon, N. J., and O. Castagnola, Brooklyn, N. Y. Shoe and making same. 2,201,439; May 21.
Lallier, Frank A., Brownsville, Tex. Hook for cargo slings. 2,201,904; May 21.
La Mont, Walter D., New York, N. Y., assignor to W. D. La Mont, Inc., Wilmington, Del. Hydroelectric steam power generating station including plural prime movers and operating said station and said prime movers. 2,201,615; May 21.
La Mont, Walter D., North Colebrook, Conn., assignor to W. D. La Mont, Inc., Wilmington, Del. High speed steam generators, especially supercharged steam generators burning fluid fuels. 2,201,616; May 21.
La Mont, Walter D., New York, N. Y., assignor to W. D. La Mont Inc., Wilmington, Del. Steam generating apparatus. 2,201,617; May 21.

La Mont, Walter D., North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del. Steam generator. 2,201,618; May 21.

La Mont, Walter D., North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del. Steam generator. 2,201,619; May 21.

La Mont, Walter D., North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del. High speed steam producing apparatus. 2,201,620; May 21.

La Mont, Walter D., North Colebrook, Conn., assignor to W. D. La Mont, Inc., Wilmington, Del. Steam boiler and power plant regulation. 2,201,621; May 21.

La Mont, Walter D., North Colebrook, Conn., assignor to W. D. La Mont, Inc., Wilmington, Del. Power apparatus. 2,201,622; May 21.

La Mont, Walter D., North Colebrook, Conn., assignor to W. D. La Mont, Inc., Wilmington, Del. Process for producing steam. 2,201,623; May 21.

La Mont, Walter D., North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del. Steam producing process. 2,201,624; May 21.

La Mont, Walter D., North Colebrook, Conn., assignor to W. D. Mont, Inc., Wilmington, Del. Fluid heating process as applied to vapor generation. 2,201,625; May 21.

La Mont, Walter D., North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del. Steam generating apparatus. 2,201,626; May 21.

La Mont, Walter D., North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del. Combustion process as applied to vapor generation. 2,201,627; May 21.

La Mont, W. D., Inc. (See La Mont, Walter D., assignor.)

Landis Tool Company, The. (See Balsiger, H. E., and Ott, assignors.)

Lane, Stanton L., Fuquay Springs, N. C. Thermometer. 2,201,186; May 21.

Langlois, David P. (See Dale, J. K., and Langlois.)

Larkin, Walter, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Knitting machine with interchangeable needle carriers. 2,201,905; May 21.

Lathrop, Harvey, Forest Hills, Long Island, N. Y. Ornamental covering for containers. 2,201,779; May 21.

Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for use in the manufacture of shoes. 2,201,866; May 21.

Leafe, Carl L., assignor to Norton Company, Worcester, Mass. Pulpstone. 2,201,734; May 21.

Lebküchner, Karl, Granichen, assignor to the firm Injecta Aktiengesellschaft, Teufenthal, Canton of Argovie, Switzerland. Machine for die casting under pressure. 2,201,906; May 21.

Lehmberg, William H., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Respirator. 2,201,315; May 21.

Lenth, Charles W., and R. N. Du Puis, Chicago, Ill., assignors to Association of American Soap and Glycerine Producers, Incorporated, New York, N. Y. Catalyst and producing same and employing said catalyst in hydrogenation reactions. 2,201,235; May 21.

Lentz, Hugo J., Vienna, Austria. Valve gear for reversible reciprocating fluid pressure engines, especially for locomotives. 2,201,907; May 21.

Leopold, Orville L., assignor of one-half to W. G. Murray, Sioux City, Iowa. Liquid wax applicator. 2,201,236; May 21.

Lesage, Aaron D. (See Shreffler, E. O., and Lesage.)

Letourneau, David H., and L. W. Finch, assignors of one-third to M. Grotelueschen, Milwaukee, Wis. Vehicular toy. 2,201,440; May 21.

Levin, Isreal, Philadelphia, Pa. Card holding attachment for card tables. 2,201,187; May 21.

Leviton Manufacturing Company. (See Petersen, Carl M., assignor.)

Leviton Manufacturing Company. (See Wertzheiser, Joseph, assignor.)

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Brake gear safety guard. 2,201,441; May 21.

Limpert, Alexander S. (See Limpert, Sylvester A. and A. S.)

Limpert, Sylvester A. and A. S., Bay Shore, N. Y. Rotary reciprocating compressor. 2,201,188; May 21.

Lincoln Engineering Company. (See Fox, A. P., and Klein, assignors.)

Lindemuth, Ralph L., Pittsburgh, Pa. Stoker. 2,201,780; May 21.

Link, Forest L. W., Silverton, assignor to The Globe-Wernicke Company, Norwood, Ohio. Record element holder. 2,201,580; May 21.

Linotype and Machinery Limited. (See Scott, R. H., Gorse, and Hayward, assignors.)

Liquid Carbonic Corporation. (See Wagner, Melvin, assignor.)

Little, Glenn A. (See Monro, R., Motsinger, Scruton, and Little.)

Little, John W., Pawtucket, R. I., assignor to Forbes Lithograph Manufacturing Company, Chelsea, Mass. Package. 2,201,956; May 21.

Littmann, Edwin R., assignor to Hercules Powder Company, Wilmington, Del. Composition of matter and producing. 2,201,237; May 21.

Loeb, Carl, and M. A. Gilman, Chicago, and C. Anderson, Oak Park, Ill., assignors to Actino Laboratories, Inc. Recording head. 2,201,735; May 21.

Loewe Radio, Inc. (See Schlesinger, Kurt, assignor.)

Lorenz, C., Aktiengesellschaft. (See Baier, O., and Jung-Zaeper, assignors.)

Lorenz, C., Aktiengesellschaft. (See Will, Walter, assignor.)

Lorenzen, Ben L., assignor of one-half to C. S. Frank, Los Angeles, Calif. Washing machine. 2,201,685; May 21.

Lovell Manufacturing Company. (See Kauffman, Walter L., II, assignor.)

Lubcke, Harry R., assignor to Don Lee Broadcasting System, Los Angeles, Calif. System of television synchronization. 2,201,295; May 21.

Lucas, Lawrence N., Evanston, assignor to The Bastian-Blessing Company, Chicago, Ill. Display showcase. 2,201,696; May 21.

Lundstrom, Alexis A., East Orange, and E. L. Norton, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,201,296; May 21.

Luther, Martin, and B. v. Reibnitz, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of capillary-active sulphonation products. 2,201,944; May 21.

Lydon, Patrick J. (See Lydon, Timothy and P. J.)

Lydon, Timothy, Tenafly, and P. J. Lydon, Jersey City, N. J. Apparatus for controlling temperatures and humidity. 2,201,342; May 21.

Mabie, Ralph R., Jr., Santa Monica, Calif. Shingle. 2,201,442; May 21.

MacGeorge, Thomas H., assignor to Seattle Tent & Awning Co., Seattle, Wash. Hatch cover. 2,201,781; May 21.

MacLeod, Lester R., Ardsley, assignor to Anaconda Wire & Cable Company, New York, N. Y. Taping mechanism. 2,201,238; May 21.

MacMaster, Malcolm D., Yardley, Pa., assignor to C. V. Hill & Company, Inc. Refrigerated case. 2,201,268; May 21.

MacMillin, Howard F., Mount Gilead, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del. Auxiliary hydraulic device for presses. 2,201,443; May 21.

Maerz, Frederick K., New York, N. Y., assignor to H. J. Gruber and M. D. Gruber, doing business as Gruber Bros., New York, N. Y. Fluorescent lamp socket crown. 2,201,543; May 21.

Magnesium Development Corporation. (See Schmid, W., Wienert, and von Stocmeier, assignors.)

Makaroff, Vadim S. (See Bary, W. A., and Jackson, assignors.)

Makaroff, Vadim S. (See Jackson, A., and Makaroff.)

Makaroff, Vadim S., New York, and A. Jackson, Niagara Falls, N. Y.; said Jackson assignor to said Makaroff. Pneumatic automobile lift. 2,201,189; May 21.

Mallory, Marion, Detroit, Mich. Carbureting and ignition system for internal combustion engines. 2,201,381; May 21.

Mansell, Harvey C. (See Fedden, A. H. R., and Mansell.)

Margolis, Abraham E., London, England. District heating plant. 2,201,239; May 21.

Markowitz, Jack, assignor to Pennant Knitting Mills, Inc., Brooklyn. Knitted fabric. 2,201,269; May 21.

Marks Products Co. (See Grohsgal, Alexis C., assignor.)

Marley Company, The. (See Mart, Leon T., assignor.)

Marquardt, Samuel J., Monroeville, Ind. Dehairing machine. 2,201,297; May 21.

Marsh, Howard E., Ventura, Calif. Automobile door latch operating means. 2,201,444; May 21.

Marsten, Jesse, assignor to International Resistance Company, Philadelphia, Pa. Power control apparatus. 2,201,686; May 21.

Mart, Leon T., Johnson County, assignor to The Marley Company, Kansas City, Mo. Cooling tower condenser. 2,201,834; May 21.

Martin, David, Pittsburgh, Pa. Making building blocks. 2,201,298; May 21.

Martin, Glenn L., Company, The. (See Tormollan, Owen E., Jr., assignor.)

Martin, Leslie T., and C. E. Dodson, Kansas City, Mo. Golf practicing device. 2,201,697; May 21.

Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner nozzle adjustment signal. 2,201,835; May 21.

Marvel, Carl S., Urbana, Ill., and D. S. Frederick, Swarthmore, Pa.; said Frederick assignor to said Marvel. Polymeric condensation products. 2,201,544; May 21.

Masnou, Maurice J. L. (See Barrey, Etienne, assignor.)

Masonite Corporation. (See Ladon, A. A., and Osborn, assignors.)

Mastrud, Conrad D., Chicago, Ill. Dental device. 2,201,190; May 21.

Matthews, John H., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Friction material. 2,201,191; May 21.

Maybach, Karl, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Germany. Control for automatic gearshift mechanism. 2,201,192; May 21.

Mayback-Motorenbau G. m. b. H. (See Maybach, Karl, assignor.)

Mayers, Martin A., assignor to Carnegie Institute of Technology of Pittsburgh, Pittsburgh, Pa. Furnace stoker. 2,201,371; May 21.

Mazzanobile, Michael, New York, N. Y. Automatic liquid dispensing fountain. 2,201,545; May 21.

McBee Company, The. (See Welk, Nelson S., assignor.)

McBurney, John D., Newburgh, N. Y., and E. H. Nollau, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Semistiff collar. 2,201,908; May 21.

McCarroll, Russell H., Dearborn, Mich. Piston. 2,201,405; May 21.

McCormick, Gordon R., and R. G. Russell, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Renewable type filter. 2,201,628; May 21.

McCollum, Andrew O. (See Scott, R. W., and McCollum.)

McCollum, Andrew O., Detroit, Mich., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Valve. 2,201,782; May 21.

McCreary, Roland A., assignor to Dritz-Traum Company, Inc., New York, N. Y. Commodity merchandising assemblage. 2,201,653; May 21.

McCullough, Neel M., assignor to Pierce Governor Company, Anderson, Ind. Vehicle speed engine control device. 2,201,629; May 21.

McCune, Francis K., Swampscott, Mass., assignor to General Electric Company. Magnetic motion amplifier. 2,201,836; May 21.

McGee, Richard T., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Manufacture of structural members. 2,201,316; May 21.

McGraw Electric Company. (See Sardeson, Robert, assignor.)

McGrew, Orville V., Chicago, Ill. Apparatus for applying a plastic insulating composition. 2,201,736; May 21.

McIntyre, Brouwer D., assignor to Monroe Auto Equipment Company, Monroe, Mich. Connector. 2,201,590; May 21.

McIntyre, John T., Johannesburg, Transvaal, Union of South Africa. Apparatus for allaying dust from rock drills. 2,201,270; May 21.

McKeag, Alfred H., Middlesex, England, assignor to General Electric Company. Luminescent material and preparation thereof. 2,201,698; May 21.

McKee, Donald E., assignor of one-half to H. F. Spreen, Fort Worth, Tex. Borehole inclination transmitter. 2,201,909; May 21.

McKenna, Thomas L. (See Zizinia, P. T., and McKenna.)

McMahan, Kenton D., Schenectady, N. Y., assignor to General Electric Company. Centrifugal fan casing. 2,201,867; May 21.

McMahan, Roy F., Louisville, Ky. Attaching a hanger. 2,201,193; May 21.

McNulty, John W., Ridley Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Condenser apparatus. 2,201,783; May 21.

Meaders, Paul L., et al. (See Minor, Claude A., Jr., assignor.)

Meienborn, Ewald W., assignor to Kingsbury Manufacturing Company, Keene, N. H. Toy vehicle. 2,201,910; May 21.

Melton, Romie L., R. C. Benner, and H. P. Kirchner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Method and apparatus for manufacturing granular coated webs. 2,201,194; May 21.

Melton, Romie L., R. C. Benner, and H. P. Kirchner, assignors to The Carborundum Company, Niagara Falls, N. Y. Granular coated material. 2,201,195; May 21.

Mergenthaler Linotype Company. (See Albrecht, C. A., and Brandenburg, assignors.)

Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)

Meyer, Wendel J., Philadelphia, Pa., and T. W. Demarest, Onley, Va., assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Car roof with movable sections. 2,201,737; May 21.

Middleby-Marshall Oven Co. (See Haupt, Adolph, assignor.)

Middleton, Edmund B., New Brunswick, and G. A. Dawson, North Brunswick Township, Middlesex County, N. J. Trimethine cyanine dyes derived from 4-methylquinoline derivatives. 2,201,816; May 21.

Milcor Steel Company. (See Siebenlist, Anthony G., assignor.)

Miller Company, The. (See Doane, Leroy C., assignor.)

Miller, Eli A., Downey, assignor to Vernon Tool Co., Ltd., Los Angeles, Calif. Pipe coupling. 2,201,372; May 21.

Miller, Frank P., Meadville, Pa. Rotary cutter. 2,201,495; May 21.

Miller, Philip M. and R. B., Cleveland, Ohio, assignors to Bendix Aviation Corporation, South Bend, Ind. Brake drum. 2,201,445; May 21.

Miller, Richard B. (See Miller, Philip M. and R. B.)

Miller, Rudolph A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hot water heating arrangement. 2,201,406; May 21.

Miniconi, Henri J., Stains, France. Automatic jack device for automobiles. 2,201,373; May 21.

Minor, Claude A., Jr., assignor of one-half to P. L. Meaders, San Antonio, Tex., and one-half to L. G. Anderson, Washington, D. C. Automobile glareshield construction. 2,201,197; May 21.

Mitchell, Rollie H., Huntington Park, assignor to Killefer Manufacturing Corporation, Los Angeles, Calif. Offset disk harrow. 2,201,240; May 21.

Mitchell, Rudyard K., Leuders, assignor of fifty per cent to L. F. Green, Albany, Tex. Cutting tool. 2,201,142; May 21.

Mizera, Frank E., assignor of one-half to M. Kubitza, Waco, Tex. Nut sheller. 2,201,911; May 21.

Moffett, Guy A., Scotia, N. Y., assignor to General Electric Company. Remote control system. 2,201,868; May 21.

Mohar, Ludwig, Long Beach, Calif. Curb indicator for motor vehicles. 2,201,496; May 21.

Moloney, Raymond T., and F. G. Nicolaus, Chicago, Ill.; said Nicolaus assignor to said Moloney. Ball rolling game. 2,201,446; May 21.

Monro, Randolph, Edgewood Arsenal, A. V. Motsinger, Aberdeen, H. A. Scruton, Baltimore, and G. A. Little, Edgewood Arsenal, Md. Gas mask facepiece. 2,201,198; May 21.

Monroe Auto Equipment Company. (See McIntyre, Brouwer D., assignor.)

Monroe Calculating Machine Company. (See Britten, Edwin F., Jr., assignor.)

Monsanto Chemical Company. (See Harman, Marion W., assignor.)

Montgomery Manufacturing Company. (See Steadman, Edwin E., assignor.)

Moore, Franklin, Oshkosh, Wis. Take-off mechanism for match machines. 2,201,343; May 21.

Moreno, Gabriel G., Mixcoac, D. F., Mexico, assignor to C M C Corporation, New York, N. Y. Photographic processing. 2,201,591; May 21.

Morgan, John W., assignor of one-half to H. Paykel, Auckland, New Zealand. Shock absorbing and load equalizing or stabilizing means. 2,201,912; May 21.

Morin, Luke O., Jr., and R. R. Shelton, assignors, by mesne assignments, to Hamilton National Bank of Chattanooga, Chattanooga, Tenn. Heat control for oil stoves. 2,201,913; May 21.

Morrison, Willard L., Lake Forest, Ill. Ventilating device. 2,201,374; May 21.

Mosebach, Karl J., Pittsburgh, Pa. Rail bond. 2,201,497; May 21.

Moseley, Francis L., Pelham, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Earth induction compass. 2,201,559; May 21.

Motor Improvements, Inc. (See Williams, L. W., and Arnold, assignors.)

Motsinger, Armand V. (See Monro, R., Motsinger, Scruton, and Little.)

Mosshart, Donald J., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Combustion apparatus. 2,201,241; May 21.

Moutray, Grover C., Colorado Springs, and R. J. Pendergrast, Manitou Springs, Colo. Automatic bank alarm switch. 2,201,972; May 21.

Moyle, Clarence L. (See Coleman, G. H., and Moyle.)

Müller, Otto E., et al. (See Kormann, Franz, assignor.)

Mullins, Samuel A., Beaumont, Tex. Fluid taking tool for oil wells or the like. 2,201,447; May 21.

Murray, Walter G. (See Leopold, Orville L., assignor.)

Murtha, Paul F., Flushing, N. Y. Stick chair. 2,201,630; May 21.

Myers, Harry A., assignor of one-third to W. A. Armstrong, and one-third to D. T. Barton, Dayton, Ohio. Fuel feeding device for internal combustion engines. 2,201,448; May 21.

Myers, Roy A., St. Paul, Minn. Disinfector. 2,201,784; May 21.

Myers, Thomas G., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Magnetic structure for dynamo-electric machines. 2,201,699; May 21.

Nagel, Friedrich W. (See Gerson, G., and Nagel.)

National Lock Co. (See North, Edwin W., assignor.)

National Supply Company, The. (See Walters, Daniel W., assignor.)

National Tinsel Manufacturing Company. (See Protz, William C., assignor.)

Neale, Harold J., et al. (See Willing, Mark S., assignor.)

Neidhart, Martin, Bonstetten, Switzerland. Tedder for spreading cut grass and the like. 2,201,317; May 21.

Neidhart, Martin, Bonstetten, Switzerland. Tedder for spreading cut grass and the like. 2,201,318; May 21.

Nelson, Clare G., Portland, Oreg. Miniature basketball game. 2,201,560; May 21.

Nelson, Henry P., Yonkers, N. Y. Abrasive composition. 2,201,700; May 21.

Nève, Pierre, Sclaigneaux, Belgium. Effecting reducing metallurgical reactions. 2,201,738; May 21.

Newell, Robert E., Irwin, assignor to Robertshaw Thermostat Company, Youngswood, Pa. Thermostat. 2,201,375; May 21.

Newstrom, Carl E., Marcell, Minn. Wall inset ironing table. 2,201,701; May 21.

New York Air Brake Company, The. (See Campbell, Charles A., assignor.)

New York Quotation Company. (See Auchincloss, Samuel S., assignor.)

Ney, Alfred M., South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill. Engine. 2,201,785; May 21.

Nickel, Frank J., Jr., Bel Air, Md. Tuning device for string instruments. 2,201,869; May 21.

Nicolaus, Frank G. (See Moloney, R. T., and Nicolaus.)
Nichols, Walter E., Milton, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 2,201,449; May 21.
Nicholson, John H., Chicago, Ill. Piston. 2,201,739; May 21.
Nicholson, Natalie P., executrix or administratrix. (See Auger, H., and Pearson.)
Nilson, Eric H., assignor to A. O. Smith Corporation, Milwaukee, Wis. Equalizer support for enameled tanks during firing. 2,201,786; May 21.
Ninnelt, Alfred, Freiburg (Breisgau), Germany, assignor to the firm of Fabrik Elektr. Apparate Fr. Suter A. G., Basel, Switzerland. Quick switching device. 2,201,498; May 21.
Nisbet, Robert H. (See Harding, W. G., and Nisbet.)
Nisenson, Jules, assignor to Unit Venetian Blind Supply Co., New York, N. Y. Venetian blind head bar bracket. 2,201,499; May 21.
Nollau, Edgar H. (See McBurney, J. D., and Nollau.)
Nordmann, Charles, Paris, France. Producing copies of lenticular color photographs. 2,201,740; May 21.
Nordmark, Henry P., assignor to American Seating Company, Grand Rapids, Mich. Seat hinge. 2,201,450; May 21.
Norrito, Earl F., Brooklyn, N. Y., assignor to Radio Corporation of America. Telegraph call selector and monitoring apparatus. 2,201,561; May 21.
North, Edwin W., assignor to National Lock Co., Rockford, Ill. Lock. 2,201,957; May 21.
Norton Company. (See Flygare, Carl G., assignor.)
Norton Company. (See Indge, Herbert S., assignor.)
Norton Company. (See Leafe, Carl L., assignor.)
Norton, Edward L. (See Lundstrom, A. A., and Norton.)
Nosowitz, Samuel. (See Hoffer, S., and Nosowitz.)
Oeffinger, Edmund F., Aldan, and H. G. Stauffer, Drexel Hill, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Finishing system. 2,201,914; May 21.
Osborn, Frank V. (See Ladon, A. A., and Osborn.)
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Material loading apparatus. 2,201,671; May 21.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Material loading apparatus. 2,201,672; May 21.
Ott, Conrad L. (See Balsiger, H. E., and Ott.)
Owens, John K., Buffalo, and A. G. Scroggie, Kenmore, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,201,741; May 21.
Owsley, William D., and R. L. Shook, assignors to Halliburton Oil Well Cementing Company, Duncan, Okla. Multiple stage cementing. 2,201,299; May 21.
Oyen, Finn, Dorinont, Pa., assignor to Railroad Research Bureau. Railway car door construction and seal. 2,201,915; May 21.
Packard Motor Car Company. (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Packard Motor Car Company. (See Van Ranst, Cornelius W., assignor.)
Paden, William L., Dayton, assignor, by mesne assignments, to Central National Bank of Cleveland, Cleveland, Ohio, as trustee. Register. 2,201,319; May 21.
Park, Tracy S., Houston, assignor to A. J. and K. T. Penick, Harris County, Tex. Rotary drilling machine. 2,201,673; May 21.
Parker, Benjamin L., Genoa, Ill. Vehicle signal system. 2,201,687; May 21.
Parrish, Benjamin E., Dallas, Tex. Well swab. 2,201,451; May 21.
Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Bus heating system. 2,201,916; May 21.
Partridge, Edward G., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Mold lubricant. 2,201,271; May 21.
"Patchem A.-G. Zur Beteiligung An Patenten Und Sonstigen Erfindungsrechten Auf Chemische Verfahren." (See Rittmeister, Wilhelm, assignor.)
Patent and Licensing Corporation, The. (See van Hulst, Jan, assignor.)
Patex Societe Anonyme. (See Kreidel, Hans, assignor.)
Patterson Foundry & Machine Co., The. (See Valentine, Kenneth S., assignor.)
Paulson, Christian, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mounting device. 2,201,344; May 21.
Paulson, Christian, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing apparatus. 2,201,562; May 21.
Paykel, Horace. (See Morgan, John W., assignor.)
Pearson, Ward E. (See Auger, H., and Pearson.)
Peckham, Alfred, assignor to Kirsch Company, Sturgis, Mich. Adjustable bracket. 2,201,787; May 21.
Peerless of America, Incorporated. (See Hoesel, Anthony F., assignor.)
Peirce, Thomas A., Fort Worth, Tex. Zodiac reckoner. 2,201,742; May 21.
Pendergrast, Ralph J. (See Moutray, G. C., and Pendergrast.)
Penick, Arthur J., et al. (See Park, Tracy S., assignor.)
Penick, Kirby T., et al. (See Park, Tracy S., assignor.)
Pennant Knitting Mills, Inc. (See Markowitz, Jack, assignor.)
Pennsylvania Railroad Company, The. (See Meyer, W. J., and Demarest, assignors.)
Percival, William S., Ealing, London, assignor to Electric Musical Industries Limited, Hayes Middlesex, England. Thermionic valve repeating arrangement. 2,201,345; May 21.
Perkins, Julian L., West Springfield, Mass. Wringer gear head structure. 2,201,242; May 21.
Perkins, Lyman G., Fresno, Calif. Wheel bearing for plows. 2,201,243; May 21.
Perkins, Roscoe T., Springfield, Oreg. Roof shingle. 2,201,917; May 21.
Petersen, Carl M., Morrisville, Pa., assignor to Leviton Manufacturing Company, Brooklyn, N. Y. Circuit connection combination. 2,201,743; May 21.
Petersen, William, De Witt, Nebr. Wrench. 2,201,918; May 21.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Ultra short wave apparatus. 2,201,199; May 21.
Peterson, Ralph F., Woodbury, N. J., and P. G. Wrightsman, Chester, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitric acid concentration. 2,201,631; May 21.
Pfeiffer, William C., assignor to The Egry Register Company, Dayton, Ohio. Apparatus for the making of cross-feed records. 2,201,407; May 21.
Pfister, Hubert, Grafelfing, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Regulation of sound in low frequency circuits. 2,201,563; May 21.
Pflauder Co., The. (See Schanck, W. D., and Cudney, assignors.)
Philco Radio and Television Corporation. (See Albright, Robert B., assignor.)
Phillips Petroleum Company. (See Cook, W. D., and Thomas, assignors.)
Philplug Products Limited. (See Clow, Alfred C., assignor.)
Phinney, Robert M., Rochester, and F. B. Hitchcock, Greece, assignors to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,201,973; May 21.
Picco, John, New York, N. Y. Nonsinkable craft. 2,201,788; May 21.
Pierce Governor Company. (See McCullough, Neel M., assignor.)
Piercy, Carl A., Ballston Lake, and E. L. Crandall, Scotia, N. Y., assignors to General Electric Company. Degasifying liquid for electrical insulating purposes. 2,201,870; May 21.
Piggott, Henry A. (See Evans, J. G., Piggott, and Woolvin.)
Pines Winterfront Company. (See Cohn, Ralph F., assignor.)
Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing thiolactams. 2,201,200; May 21.
Place, Bion C., Detroit, Mich. Snow guard. 2,201,320; May 21.
Pollock, Willard M., assignor to The Goss Printing Press Company, Chicago, Ill. Intaglio printing mechanism. 2,201,452; May 21.
Poock, Louis F., assignor to The Cimatool Company, Dayton, Ohio. Machine tool. 2,201,500; May 21.
Poppe, George W., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y. Closure for receptacles. 2,201,592; May 21.
Porter-McLeod Machine Tool Co. (See Whitney, Ernest C., assignor.)
Poschadel, Leonard R., Milwaukee, Wis. Igniter. 2,201,501; May 21.
Prange, Maurice N., Detroit, assignor to Detroit Home Equipment Corporation, Ferndale, Mich. Honing tool. 2,201,593; May 21.
Prell, Christian, et al. (See Kormann, Franz, assignor.)
Prendergast, William L., Fort Smith, Ark. Electric base plate. 2,201,919; May 21.
Pressed Steel Car Company. (See Schmohl, Alfred C., assignor.)
Prins, Leendert, Flushing, N. Y. Clock. 2,201,376; May 21.
Proctor & Schwarz, Inc. (See Schwartz, Walter M., assignor.)
Protz, William C., assignor to National Tinsel Manufacturing Company, Manitowoc, Wis. Ornament. 2,201,201; May 21.
Prue, Walter W., Auburn, Maine, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Flexible shoe and making same. 2,201,300; May 21.
Pugh, Addie A., et al., executors. (See Pugh, John D.)
Pugh, John D., deceased; A. A. Pugh and F. H. Smith, executors, assignors to A. A. Pugh, Baltimore, Md. Hot metal car. 2,201,920; May 21.
Putnam, John P., assignor to The Reece Button Hole Machine Company, Boston, Mass. Variable inductor. 2,201,453; May 21.

Pyle, Cyrus, III, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fractionating column. 2,201,502; May 21.
Raby, Arthur W., Toronto, Ontario, and G. R. Harvey, Cooksville, Ontario, assignors to The Toronto Star, Toronto, Ontario, Canada. Rotogravure printing process. 2,201,346; May 21.
Radio Corporation of America. (See Jonker, Johan L. H., assignor.)
Radio Corporation of America. (See Norrito, Earl F., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Shelby, Robert E., assignor.)
Radio Corporation of America. (See Sinclair, Allan T., assignor.)
Radio Corporation of America. (See Tellegen, B. D. H., and van Weel, assignors.)
Radio Corporation of America. (See Trevor, Bertram, assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See Zworykin, Vladimir K., assignor.)
Railroad Research Bureau. (See Oyen, Finn, assignor.)
Rabestos-Manhattan, Inc. (See Matthews, John H., assignor.)
Raytheon Manufacturing Company. (See Dawson, John W., assignor.)
Raytheon Manufacturing Company. (See Smith, Charles G., assignor.)
Reconstruction Finance Corporation. (See Hauser, Ernest B., assignor.)
Reconstruction Finance Corporation. (See Schoenheit, Albert J., assignor.)
Reece Button Hole Machine Company, The. (See Nichols, Walter E., assignor.)
Reed, Everett L., Arlington Heights, Mass. Armor plate. 2,201,202; May 21.
Reed Roller Bit Company. (See Shaw, John F., assignor.)
Reece Button Hole Machine Company, The. (See Putnam, John P., assignor.)
Refinoli Manufacturing Corporation. (See Harris, William D., assignor.)
Reich, Albert B., Dayton, Ohio. Surface plate assembly. 2,201,454; May 21.
Reichel, Wilhelm. (See Ruska, E., Reichel, and Colberg.)
Reiner, Jonas, New York, N. Y. Measuring device. 2,201,546; May 21.
Remington Rand Inc. (See Dalton, Robert A., assignor.)
Remington Rand Inc. (See Howland, G. K., and Hultgren, assignors.)
Remington Rand Inc. (See Watkins, George E., assignor.)
Remington Rand Inc. (See Wolters, C. F., and Ellis, assignors.)
Rennerfelt, Ivar. (See Kalling, B. M. S., and Rennerfelt.)
Ricards, Charles L. (See Wood, H. A. W., Tollison, and Richards.)
Richardson, Ralph S., Scarsdale, assignor to Chemical Construction Corporation, New York, N. Y. Preheating ammonia-air mixtures. 2,201,958; May 21.
Richardson, Sidney A., Footscray, Victoria, Australia, assignor to Western Precipitation Corporation, Los Angeles, Calif. Centrifugal separating device. 2,201,301; May 21.
Richenburg, Charles. (See Sanborn, Chester O.)
Riley, Thomas, assignor to J & J Cash, Incorporated, South Norwalk, Conn. Package for strip labels. 2,201,921; May 21.
Rittmeister, Wilhelm, Dessau, Anhalt, Germany, assignor, by mesne assignments, to "Patchem A.-G. Zur Beteiligung An Patenter Und Sonstigen Erfindungsrechter Auf Chemische Verfahren", Zurich, Switzerland. Manufacture of hydrogenation products of furfurol. 2,201,347; May 21.
Roberts, Gordon A., Grosse Pointe, Mich. Visor. 2,201,348; May 21.
Robertshaw Thermostat Company. (See Newell, Robert E., assignor.)
Robertson, John L. (See Rowe, R. N., and Robertson.)
Robie, Norman P., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Manufacture of abrasive articles. 2,201,321; May 21.
Robilotto, John D., New York, N. Y. Memorandum pad holder. 2,201,789; May 21.
Robinson, Archie D., Westfield, Mass. Ink dispensing device. 2,201,455; May 21.
Robinson, Harry G., Stratford, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y. Adjustable water box for wet abrasive cutting machines. 2,201,408; May 21.
Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin. Automatic train pipe connector and car coupler slack control means. 2,201,208; May 21.
Robinson, Paul. (See Edgar, D. E., and Robinson.)
Roessel, Louis O. E., Chappaqua, assignor of forty per cent to E. C. Gillette, New York, N. Y. Antiskidding device for automobiles. 2,201,632; May 21.
Rogers, Ulysses G., Medicine Lodge, Kans. Water lift. 2,201,503; May 21.

Röhm & Haas Company. (See Andrews, C. E., and Fenske, assignors.)
Ronitz, George. (See Akau, George H., assignor.)
Root, Edward L., East Orange, N. J., assignor to Celluloid Corporation. Safety guard. 2,201,244; May 21.
Rose, Carl G. (See Boyer, J. A., and Rose.)
Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Plastic composition. 2,201,871; May 21.
Rosenthal, J. C. (See Sappington, Paul, assignor.)
Rottenberg, Benjamin, New York, N. Y. Cutting, shaping, embossing, and wrapping machine for butter or similar plastic material. 2,201,872; May 21.
Rouch, Everett W., assignor to Bendix Home Appliances Inc., Detroit, Mich. Drain assembly for washing machines and the like. 2,201,790; May 21.
Rowe, Frederick S., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Printing device. 2,201,302; May 21.
Rowe, Raymond N., Plainville, and J. L. Robertson, Forestville, assignors to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electrical terminal. 2,201,674; May 21.
Rubel, Bernard, New York, N. Y. Pneumatic heel. 2,201,702; May 21.
Runyan, Arthur L., assignor to Translaphon Corporation, New York, N. Y. Mechanism for selectively reproducing, repeating, and charting sound record material. 2,201,204; May 21.
Ruppel, Frederick H., Pasadena, Calif. Roof structure and truss therefor. 2,201,504; May 21.
Ruska, Ernst, and W. Reichel, Berlin-Zehlendorf, and R. Colberg, Berlin-Dahlem, assignors to the firm Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany. Cathode ray projection tube. 2,201,245; May 21.
Russell Manufacturing Company, The. (See Hendley, James A., assignor.)
Russell, Rolio G. (See McCormick, G. R., and Russell.)
Rylander, Anders J. E., Stockholm, Sweden. Strut for cycles and similar vehicles. 2,201,922; May 21.
Sage, Warren M., Toronto, Ontario, Canada. Thermostatically controlled immersion electric heater. 2,201,703; May 21.
Sainich, Martin, Livingston, Mont. Lathe attachment. 2,201,505; May 21.
St. Paul White Lead and Oil Company. (See Deutsch, Clarence, assignor.)
Salzbrenner, Herbert A., Denver, Colo. Shipping tag dispenser. 2,201,272; May 21.
Samburg, Maurice, New York, N. Y. Bottle closure. 2,201,791; May 21.
Samburg, Maurice, New York, N. Y. Tamperproof closure. 2,201,205; May 21.
Sanborn, Chester O., assignor to C. Richenburg, Everett, Mass. Window sash fastener. 2,201,793; May 21.
Sandvikens Jernverks Aktiebolag. (See Berglund, Karl T., assignor.)
Sapp, Robert W. (See Coleman, G. H., and Sapp.)
Sappington, Paul, assignor of one-half to J. C. Rosenthal, Los Angeles, Calif. Fluffing and renovating machine. 2,201,303; May 21.
Sardeson, Robert, Minneapolis, Minn., assignor to McGraw Electric Company, Chicago, Ill. Mechanical timer for toasters. 2,201,456; May 21.
Schaafsma, Albert. (See van Dijck, W. J. D., and Schaafsma.)
Schanck, William D., Rochester, and G. W. Cudney, Bergen, assignors to The Pfaudler Co., Rochester, N. Y. Relief valve. 2,201,837; May 21.
Schaub, Franz. (See Bokemüller, A., and Schaub.)
Scheerer, Georg. (See Heess, A., and Scheerer.)
Scheinman, Sol, White Plains, N. Y. Expanding file. 2,201,547; May 21.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Rectifier for television signals. 2,201,794; May 21.
Schmid, Walther, F. Wienert, and H. G. L. von Stocmeler, Stassfurt, Germany, assignors, by mesne assignments, to Magnesium Development Corporation. Production of anhydrous magnesium chloride. 2,201,206; May 21.
Schmidt, August J., Glendale, and J. Jackson, Brooklyn, N. Y., assignors to American Machine & Foundry Company. End label attachment. 2,201,207; May 21.
Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Feeding mechanism. 2,201,959; May 21.
Schmitt, Otto A., Syracuse, assignor to Continental Can Company, New York, N. Y. Can end feeding mechanism. 2,201,923; May 21.
Schmitt, Otto A., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Can end feeding and marking mechanism. 2,201,924; May 21.
Schmohl, Alfred C., Beaver Falls, assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Dump car. 2,201,945; May 21.
Schnurpfeil, Erwin, Chicago, Ill. Automatic traffic signal device. 2,201,795; May 21.
Schoen, Paul F., Dearborn, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Milling machine. 2,201,654; May 21.
Schoenfeld, Frank K., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Dispersion and making the same. 2,201,273; May 21.

Schoenheit, Albert J., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Visor. 2,201,377; May 21.

Schoenheit, Albert J., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Visor. 2,201,378; May 21.

Schonitzer, Rudolph L., Shaker Heights, Ohio. Door opening device. 2,201,208; May 21.

Schor, Joseph. (See Skoverski, John R., assignor.)

Schroeder, Ernest R., Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y.. Spring bumper and drawhead. 2,201,796; May 21.

Schultze, Fred, Rockaway, N. J., assignor to the Government of the United States of America, as represented by The Secretary of War and his successors in office. Fuse. 2,201,209; May 21.

Schulze, Ferdinand. (See Ellsworth, D. C., and Schulze.)

Schwachheim, Otto, Leimen, near Heidelberg, Germany. Producing white cement. 2,201,143; May 21.

Schwartz, Morris, assignor to Barrel Fitting & Seal Corporation, Chicago, Ill. Sheet metal container. 2,201,322; May 21.

Schwartz, Walter M., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Combined ironing board and iron support. 2,201,925; May 21.

Scott, Clarence W., Moss Point, Miss. Producing molding composition from lignin and formaldehyde. 2,201,797; May 21.

Scott, Philip C., Kempton, Ill. Clip for spectacle cases. 2,201,144; May 21.

Scott, Ray W., and A. O. McCollum, assignors to Bendix Home Appliances, Inc., Detroit, Mich. Circuit controller. 2,201,798; May 21.

Scott, Richard H., Enfield, W. F. Gorse, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Typographical slug casting machine. 2,201,633; May 21.

Scroggie, Arthur G. (See Owens, J. K., and Scroggie.)

Scruggs, Loyd, University City, Mo. Electric razor. 2,201,349; May 21.

Scruggs, Loyd, University City, Mo. Electric razor. 2,201,350; May 21.

Scruton, Herbert A. (See Monro, R., Motsinger, Scruton, and Little.)

Seattle Tent & Awning Co. (See MacGeorge, Thomas H., assignor.)

Secretary of War and his successors in office, Government of the United States of America, as represented by the. (See Schultze, Fred, assignor.)

Selbold, Ernst. (See Friedrich, K., and Selbold.)

Sekella, Youston, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Gear changing mechanism. 2,201,304; May 21.

Sells, Kenneth A., Kansas City, Kans. Missile. 2,201,246; May 21.

Sennett, Reginald H. (See Grubb, W. J., Shaw, and Sennett.)

Serner, Herbert E., Oakland, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Nozzle for flame machining. 2,201,960; May 21.

Serrell, Florence A., executrix. (See Serrell, J. J., and Smith.)

Serrell, John J., deceased; F. A. Serrell, executrix, Elizabeth, and R. A. Smith, Mahwah, N. J.; said F. A. Serrell assignor to said Smith. Flexible coupling. 2,201,799; May 21.

Servel, Inc. (See Bergholm, Harry K., assignor.)

Shackford, Theodore B., et al. (See Birmingham, Raymond A., assignor.)

Shaw, Cecil. (See Grubb, W. J., Shaw, and Sennett.)

Shaw, John F., Los Angeles, Calif., assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 2,201,379; May 21.

Shelby, Robert E., Teaneck, N. J., assignor to Radio Corporation of America. Electronic modulator and method of modulation. 2,201,323; May 21.

Shell Development Company. (See Anderson, Alvin P., assignor.)

Shell Development Company. (See van Dijck, Willem J. D., assignor.)

Shell Development Company. (See van Dijck, W. J. D., and Schaafsma, assignors.)

Shelton, Rob Roy. (See Morin, L. O., Jr., and Shelton.)

Shewbridge, Peter F., Chicago, Ill. Garment support. 2,201,744; May 21.

Shields, Robert A., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Car bumper. 2,201,800; May 21.

Shook, Robert L. (See Owsley, W. D., and Shook.)

Short, Ira, Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reduction gear. 2,201,247; May 21.

Shreffler, Elwyne O., and A. D. Lesage, Manteno, Ill. Clutch attachment. 2,201,838; May 21.

Shurts, Englebert, assignor to Strauss Electric Appliance Company, Waukesha, Wis. Dairy equipment. 2,201,634; May 21.

Siebenlist, Anthony G., assignor to Milcor Steel Company, Milwaukee, Wis. Lock joint for sheet metal. 2,201,409; May 21.

Siemens & Halske Aktiengesellschaft. (See Bauer, Rudolf, assignor.)

Siess, Henry J., and J. E. Casse, assignors to Crawford Door Company, Detroit, Mich. Upward acting door with cable actuating mechanism. 2,201,635; May 21.

Siess, Henry J., and J. E. Casse, assignors to Crawford Door Company, Detroit, Mich. Cable actuated upward acting door. 2,201,636; May 21.

Simmen, Paul J., Eden, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Time measuring apparatus. 2,201,704; May 21.

Simonds, Herbert R., assignor to Simonds Worden White Company, Dayton, Ohio. Grinding wheel. 2,201,410; May 21.

Simonds Worden White Company. (See Simonds, Herbert R., assignor.)

Simonds Worden White Company. (See Steinbarger, Charles J., assignor.)

Sinclair, Allan T., London, England, assignor to Radio Corporation of America. Sound head. 2,201,324; May 21.

Singer, David E., assignor to Holland-Rantos Company, Inc., New York, N. Y. Gynecologic instrument. 2,201,274; May 21.

Sitts, Robert L., assignor to Slip-Lok, Inc., Pontiac, Mich. Door stop. 2,201,594; May 21.

Skoglund, Bertil. (See Doering, Charles and H. H., Anderson, and Skoglund.)

Skoverski, John R., Oakland, assignor to J. Schor, San Francisco, Calif. Fishing leader. 2,201,351; May 21.

Skoverski, John R., Oakland, assignor to J. Schor, San Francisco, Calif. Swivel coupling. 2,201,352; May 21.

Slip-Lok, Inc. (See Sitts, Robert L., assignor.)

Slusher, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cover assembly for storage batteries. 2,201,275; May 21.

Smidth, F. L., & Company. (See Ahlmann, Nikolai, assignor.)

Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)

Smith, A. O., Corporation. (See Nilson, Eric H., assignor.)

Smith, Charles G., Medford, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge method and apparatus. 2,201,817; May 21.

Smith, Charles G., Medford, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device. 2,201,818; May 21.

Smith, Charles G., Medford, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electronic device. 2,201,819; May 21.

Smith, F. Howard, et al., executors. (See Pugh, John D.)

Smith, Frank H., New York, N. Y., deceased, and H. A. Stringfellow, St. Thomas, Ontario, Canada, J. W. Brown, administrator of said F. H. Smith, assignors, by mesne assignments, of one-half to said Stringfellow, and one-half to G. D. Hartley, Worcester, Mass. Strip mill. 2,201,210; May 21.

Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Drier for hair and the like. 2,201,506; May 21.

Smith, John P., and W. F. Henderson, assignors to The Visking Corporation, Chicago, Ill. Moistureproof sausage casing and making same. 2,201,457; May 21.

Smith, Robert A. (See Serrell, J. J., and Smith.)

Smith, Roy W., Newark, Ohio. Cold storage locker room. 2,201,411; May 21.

Smith, William. (See Child, A. J., Hall, and Stobart, assignors.)

Societe Genevoise d'Instruments de Physique. (See Turrettini, Fernard, assignor.)

Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)

Sorenson, Ben E., Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resin solutions from diethers of dimethylol urea. 2,201,926; May 21.

Sorenson, Ben E., Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Methylol urea ethers and making same. 2,201,927; May 21.

Soulat, Georges, La Guerche-sur-l'Aubois, France. Gravity switch. 2,201,637; May 21.

Soulis, Harold A., Westfield, N. J. Motor vehicle construction. 2,201,353; May 21.

Souviron, Pierre F. J., Tarbes, P. E. Bigourdan, and P. Bebin, Paris, France. Preparing a colloid oxychloride of copper. 2,201,928; May 21.

Sparklin, Charles H., assignor to Birtman Electric Company, Chicago, Ill. Electric iron with heat indicator. 2,201,745; May 21.

Speakman, John B., Far Headingley, Leeds, England. Treatment of fibers or fibrous materials containing keratin. 2,201,929; May 21.

Special Equipment Company. (See Ewald, Mark, assignor.)

Spencer, Thomas, Waterfoot, Rossendale, England. Packing support for shoes. 2,201,746; May 21.

Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)

Sperry Gyroscope Company. (See Harding, W. G., and Nisbet, assignors.)

Sperry Gyroscope Company. (See Moseley, Francis L., assignor.)

Sprague Specialties Company. (See Collins, Joseph L., assignor.)

Sprague Specialties Co. (See Godsey, Frank W., Jr., assignor.)

Spreen, H. F. (See McKee, Donald E., assignor.)

Springer, Wilhelm, Isny, Germany. Fishing line reel. 2,201,305; May 21.

Srodulski, Joseph W., Chicago, Ill. Dispensing machine. 2,201,655; May 21.

Staley, A. E., Manufacturing Company. (See Dale, J. K., and Langlois, assignors.)

Standard Oil Company, The. (See Burk, Robert E., assignor.)

Standard Oil Company of California. (See Farrington, B. B., and Humphreys, assignors.)

Standard Oil Development Company. (See Franceway, J. A., Jr., and Davis, assignors.)

Standard Oil Development Company. (See Rosen, Raphael, assignor.)

Stark, Louis, Brooklyn, N. Y., assignor to Kastar, Incorporated. Self-locking bolt for automobile license plates. 2,201,930; May 21.

Staudt, Ambrose W., Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing moistureproof cellulosic pellicles. 2,201,747; May 21.

Stauffer, Harry G. (See Oeffinger, E. F., and Stauffer.)

Stavrou, George, Brooklyn, N. Y. Baking oven. 2,201,801; May 21.

Steadman, Edwin E., assignor to J. F. Collins, doing business as Montgomery Manufacturing Company, Silver Creek, N. Y. Attachment for arm rest for furniture. 2,201,354; May 21.

Stein, Jacob, New York, N. Y. Tampon. 2,201,412; May 21.

Steinbarger, Charles J., assignor to Simonds Worden White Company, Dayton, Ohio. Filler for pulp refining engines. 2,201,276; May 21.

Steiner, Albert, Union City, N. J. Game. 2,201,802; May 21.

Stilwell, Wilson H., Louisville, Ky. Line wire junction box. 2,201,507; May 21.

Stobart, John W. (See Child, A. J., Hall, and Stobart.)

Stoltz, Harold I., Hyde Park, assignor to Kinney Manufacturing Company, Boston, Mass. Apparatus for recovering oil from exhaust mixtures. 2,201,961; May 21.

Stone, Arthur P., Akron, assignor to The Wright Tool and Forge Company, Barberton, Ohio. Ratchet wrench. 2,201,705; May 21.

Stone, Earl R., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reciprocating fluid motor apparatus. 2,201,248; May 21.

Strauss Electric Appliance Company. (See Shurts, Englebert, assignor.)

Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Time recorder. 2,201,355; May 21.

Stringfellow, Henry A., et al. (See Smith, F. H., and Stringfellow, assignors.)

Subkow, Philip, West Los Angeles, assignor to Union Oil Company of California, Los Angeles, Calif. Reforming and polymerization of hydrocarbons. 2,201,306; May 21.

Submarine Signal Company. (See Dallin, Edwin B., assignor.)

Sukohl, Heinrich, Berlin, Germany. Coating the blades of air propellers. 2,201,706; May 21.

Sullivan, David J., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Article of manufacture. 2,201,931; May 21.

Sullivan Machinery Company. (See Osgood, Robert C., assignor.)

Suter, Eugene F., New York, N. Y., and C. Kropacsy, London, England, assignors to Eugene, Ltd., New York, N. Y. Permanent waving. 2,201,458; May 21.

Szabo, William F., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. System for arcless interruption of alternating current. 2,201,595; May 21.

Talbert, John A., and M. Hendrick, Cliffside, N. C. Pattern mechanism for dobby looms. 2,201,707; May 21.

Tarisien, Theophile, Livry-Gargan, France, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,201,564; May 21.

Teeter, Wilford H., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,201,596; May 21.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Berndt, Walter, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Franke, Ernst, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Pfister, Hubert, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ulbricht, Günther, assignor.)

Tellegen, Bernardus D. H., and A. van Weel, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiver circuit arrangement. 2,201,325; May 21.

Ternstedt Manufacturing Company. (See Carlson, Eric S., assignor.)

Ternstadt Manufacturing Company. (See Wernig, J. H., and Chutorash, assignors.)

Terrell, Gertrude H., Cincinnati, Ohio. Window fixture. 2,201,356; May 21.

Theibault, Albert K., Sr., Lakewood, N. J. Golf club. 2,201,638; May 21.

Thomas, Rosswell W. (See Cook, W., D., and Thomas.)

Thomas, William B., Greensboro, N. C., assignor to Universal Winding Company, Boston, Mass. Traverse mechanism. 2,201,597; May 21.

Thomason, Ernest K., Atlanta, assignor to Atlanta Utility Works, East Point, Ga. Rotary mixer. 2,201,748; May 21.

Thompson, Leslie E. (See Williams, A. L., Thompson, and Cubitt.)

Thompson Products, Inc. (See Cox, John R., assignor.)

Thouret, Wolfgang. (See Dawihl, W., and Thouret.)

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Assembling vibration dampers. 2,201,932; May 21.

Tierney, John D., assignor of one-half to R. J. Tierney, Meriden, Conn. Rinse tank. 2,201,380; May 21.

Tierney, Raymond J. (See Tierney, John D., assignor.)

Tingle, James G., Miami, Fla. Two wheeled motor vehicle. 2,201,639; May 21.

Todd, Albert H., Bayside, Long Island, N. Y. Lubricator. 2,201,803; May 21.

Toledo Scale Manufacturing Company. (See Hem, Halvor O., assignor.)

Tollison, Paul L. (See Wood, H. A. W., Tollison, and Ricards.)

Tormollan, Owen E., Jr., assignor to The Glenn L. Martin Company, Baltimore, Md. Aircraft construction. 2,201,249; May 21.

Toronto Star, The. (See Raby, A. W., and Harvey, assignors.)

Totem Shake Corporation. (See Hendricks, A. W., and Clark, assignors.)

Towler, Agnes J., Cleveland, Ohio. Flatiron stand. 2,201,598; May 21.

Translaphon Corporation. (See Runyan, Arthur L., assignor.)

Transportation Seat Company. (See Van Hoesen, Frank E., assignor.)

Trautmann, Herbert L., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Nibbler. 2,201,599; May 21.

Treinis, Silas H., New York, N. Y. Sterilizer for footwear. 2,201,548; May 21.

Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Electrical wave filter. 2,201,326; May 21.

Trumbull Electric Manufacturing Company. (See Harvey, Frank, assignor.)

Trumbull Electric Manufacturing Company. (See Rowe, R. N., and Robertson, assignors.)

Tucker, Charles E., Davidson, Okla. Supplemental mote remover for cotton gins. 2,201,933; May 21.

Tucker, Guy L., assignor to General Motors Corporation, Detroit, Mich. Robe rail mounting. 2,201,327; May 21.

Turner, William B., San Francisco, Calif. Angle cutting multiple band saw. 2,201,413; May 21.

Turrettini, Fernand, Bellevue-Geneva, assignor to the firm Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Centering aligning device. 2,201,935; May 21.

Turrettini, Fernand, Bellevue-Geneva, assignor to the firm Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Screw spindle relieving device. 2,201,934; May 21.

Twomley, Herbert E., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Speed reducing mechanism. 2,201,357; May 21.

Tyrer, Daniel, Stockton-on-Tees, England. Manufacture of zirconium compounds. 2,201,508; May 21.

Tyler, Ralph W. (See Bennett, Lewis J., assignor.)

Ulbricht, Günther, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Guide ray or beacon course method. 2,201,565; May 21.

Union Carbide and Carbon Research Laboratories, Inc. (See Corson, Michael G., assignor.)

Union Carbide and Carbon Corporation. (See Serner, Herbert E., assignor.)

Union Oil Company of California. (See Bradley, William E., assignor.)

Union Oil Company of California. (See Fryar, Paul J., assignor.)

Union Oil Company of California. (See Subkow, Philip, assignor.)

Union Switch & Signal Company, The. (See Dodd, Arthur E., assignor.)

Union Switch & Signal Company, The. (See Simmen, Paul J., assignor.)

Union Switch & Signal Company, The. (See Williams, A. L., Thompson, and Cubitt, assignors.)

Unit Venetian Blind Supply Co. (See Nisenson, Jules, assignor.)

United Aircraft Corporation. (See Beisel, R. B., and Baker, assignors.)

United-Carr Fastener Corporation. (See Churchill, Wilmer H., assignor.)

United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)
United Shoe Machinery Corporation. (See Barber, James M., assignor.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
United Shoe Machinery Corporation. (See Prue, Walter W., assignor.)
United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)
United Shoe Machinery Corporation. (See Williams, Maurice D., assignor.)
United Specialties Company. (See Hallerberg, Theodore W., assignor.)
United States Air Conditioning Corporation. (See Feinberg, Allan A., assignor.)
U. S. Electrical Motors, Inc. (See Myers, Thomas G., assignor.)
United States Gypsum Company. (See Huntzicker, Harry N., assignor.)
Universal Winding Company. (See Thomas, William B., assignor.)
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Thyrite protective device. 2,201,211; May 21.
Utz, Chester C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle. 2,201,250; May 21.
v. Reibnitz, Bruno. (See Luther, M., and v. Reibnitz.)
Valentine, Kenneth S., New York, N. Y., assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Dissolver. 2,201,212; May 21.
Valentine, Kenneth S., New York, N. Y., assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Varipitch spiral blade impeller or turbine. 2,201,947; May 21.
Vance, Charles F., Winston-Salem, N. C. Extension table. 2,201,414; May 21.
Vance, Charles F., Winston-Salem, N. C. Extension table. 2,201,415; May 21.
Vandegrift, Middleton, Williamsport, Pa. Expanding vein tube. 2,201,749; May 21.
Van Cleave, Edwin E., Chicago, Ill. Railway hand brake mechanism. 2,201,656; May 21.
Van Dijck, Willem J. D., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Solvent extraction of liquid mixtures. 2,201,549; May 21.
Van Dijck, Willem J. D., The Hague, and A. Schaafsma, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Solvent extraction of liquid mixtures. 2,201,550; May 21.
Van Hoesen, Frank E., Chicago, Ill., assignor to Transportation Seat Company, Mansfield, Ohio. Revolvable car seat construction. 2,201,839; May 21.
Van Hulst, Jan, Amsterdam, Netherlands, assignor to The Patent and Licensing Corporation, New York, N. Y. Solidifying earth. 2,201,459; May 21.
Van Patten, Edith, Stockton, Calif. Portable make-up mirror. 2,201,251; May 21.
Van Ranst, Cornelius W., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,201,252; May 21.
Van Uum, John H., Lakewood, Ohio. Spring clip device. 2,201,509; May 21.
Van Weel, Adelbert. (See Tellegen, B. D. H., and van Weel.)
Varian, Russell H., Stanford University, Calif. Metallic reduction process. 2,201,460; May 21.
Venable, Emerson, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Treating asbestos. 2,201,840; May 21.
Vernon Tool Co. (See Miller, Eli A., assignor.)
Verse, Hansheinrich, Brunswick, Germany, assignor to General Electric Company. Electric valve converting system. 2,201,873; May 21.
Viber Company. (See Jorgensen, Enoch B., assignor.)
Vierling, Karl, and H. Hopff, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Modified resinous condensation products of methyl vinyl ketone and formaldehyde, and producing same. 2,201,750; May 21.
Vieth, Leonard. (See Blattner, D. G., and Vieth.)
Visking Corporation, The. (See Smith, J. P., and Henderson, assignors.)
Vita Sales Corporation. (See Knaust, Henry E., assignor.)
Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Welt. 2,201,382; May 21.
Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Shoe. 2,201,383; May 21.
Voelker, Walter J., McKeesport, Pa. Culinary utensil. 2,201,566; May 21.
Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Bag. 2,201,675; May 21.
Voith, J. M. (See Friedrich, K., and Seibold, assignors.)
Volland, Victor H., St. Louis, Mo. Curtain operating mechanism. 2,291,804; May 21.
Von Holtz, Charles T., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Strain relief. 2,201,213; May 21.
Von Stocmeier, Hans G. L. (See Schmid, W., Wienert, and von Stocmeier.)
Vorech, Stephen, assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Antifreeze device. 2,201,936; May 21.
Vulcan Copper & Supply Co., The. (See Wentworth, Theodore O., assignor.)
Wagner, Melvin, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Container. 2,201,416; May 21.
Walker, William, London, England, assignor to Celanese Corporation of America. Making of articles from sheet material. 2,201,253; May 21.
Wallace, Bert A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Common battery cord circuit. 2,201,358; May 21.
Wallis, Cyril T., Rochester, N. Y., and R. E. Fowler, Birmingham, assignors to General Motors Corporation, Detroit, Mich. Oil burner control. 2,201,328; May 21.
Wallis, Cyril T., Rochester, N. Y., and R. E. Fowler, Birmingham, assignors to General Motors Corporation, Detroit, Mich. Oil burner control. 2,201,329; May 21.
Walters, Daniel W., West Los Angeles, assignor to The National Supply Company, Torrance, Calif. Clutch. 2,201,567; May 21.
Walton, Cecil E., Brecksville, Ohio. Holder for loose-leaf memo paper. 2,201,962; May 21.
Waltz, Foster V., Toledo, Ohio. Transmission device. 2,201,600; May 21.
Waner, Harry E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Storage battery cover assembly. 2,201,510; May 21.
Wardwell, George W., Jr., Nichols, Conn., assignor to General Electric Company. Ironing machine. 2,201,841; May 21.
Wardwell, George W., Jr., Nichols, and J. I. Arnett, Stratford, Conn., assignors to General Electric Company. Wringer. 2,201,842; May 21.
Wartian, Avagim, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Door handle assembly. 2,201,963; May 21.
Watkins, George E., Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Filing cabinet. 2,201,948; May 21.
Wayland, Frank, Camden, N. J. Skin, hide, and leather working machine. 2,201,461; May 21.
Webster, Benjamin C., Jr., Fairfield, Conn. Sadiron support. 2,201,601; May 21.
Webster, William R., Bridgeport, Conn. Apparatus for heat treating strip metal. 2,201,417; May 21.
Wehmeier, Albert. (See Hofele, George, assignor.)
Weis, Albert H., Nyack, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Looper mechanism. 2,201,384; May 21.
Weldin, Lewis C., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Progressive burning smokeless powder. 2,201,640; May 21.
Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Binder for loose leaves. 2,201,551; May 21.
Wells, Raymond, Bridgeboro, and H. M. Kieckhefer, Riverton, assignors to Kieckhefer Container Company, Belair, N. J. Container. 2,201,462; May 21.
Wentworth, Theodore O., assignor to The Vulcan Copper & Supply Co., Cincinnati, Ohio. Weir ring and downcomer assembly for distilling columns. 2,201,949; May 21.
Wernig, James H., and G. Chutorash, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Sliding top latching mechanism. 2,201,330; May 21.
Wertzheiser, Joseph, New York, assignor to Leviton Manufacturing Company, Brooklyn, N. Y. Box and cover. 2,201,751; May 21.
Western Electric Company. (See Ewaldson, W. C., and Kress, assignors.)
Western Electric Company. (See Hatton, W., Haigh, and Kozma, assignors.)
Western Electric Company. (See Paulson, Christian, assignor.)
Western Electric Company. (See Wood, Lloyd E., assignor.)
Western Precipitation Corporation. (See Richardson, Sidney A., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Cook, E. S., and Canetta, assignors.)
Westinghouse Air Brake Company, The. (See Dempsey, Philip W., assignor.)
Westinghouse Air Brake Company, The. (See Tarisien, Theophile, assignor.)
Westinghouse Electric & Manufacturing Company. (See Glauber, John, assignor.)
Westinghouse Electric & Manufacturing Company. (See Hague, Floyd T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnson, Herbert M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kreidler, Raymond L., assignor.)
Westinghouse Electric & Manufacturing Company. (See McNulty, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mosshart, Donald J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rowe, Frederick S., assignor.)

Westinghouse Electric & Manufacturing Company. (See Short, Ira, assignor.)
Westinghouse Electric & Manufacturing Company. (See Stone, Earll R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Venable, Emerson, assignor.)
Westlund, Walter L., St. Paul, Minn. Turn signal for automobiles. 2,201,657; May 21.
Weston, Frederick H. (See Wright, D. K., and Weston.)
Whited, William E., Escondido, Calif. Burial vault mold. 2,201,359; May 21.
Whitney, Ernest C., Waterbury, assignor to Porter-McLeod Machine Tool Co., Inc., Hatfield, Mass. Cutoff machine. 2,201,658; May 21.
Whitted, John B., Glencoe, Ill. Cigarette dispenser. 2,201,277; May 21.
Wienert, Fritz. (See Schmid, W., Wienert, and von Stocmeier.)
Wieseman, Robert W., Schenectady, N. Y., assignor to General Electric Company. Dynamo electric machine. 2,201,845; May 21.
Wight, Frank H., Lincoln, Nebr., assignor to H. H. Bendixen and W. N. Williams, Clinton, Iowa. Oil flash tester. 2,201,708; May 21.
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wiles, Chester N., Portland, Oreg. Mercury switch. 2,201,602; May 21.
Will, Walter, Berlin-Charlottenburg, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electric separating filter. 2,201,254; May 21.
Willcox & Gibbs Sewing Machine Company. (See Weis, Albert H., assignor.)
Williams, Albert L., L. E. Thompson, and Roger H. Cubitt, London, England, assignors by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Manufacture of alternating electric current rectifiers. 2,201,709; May 21.
Williams, Archie T. (See Williams, Hubert P. and A. T.)
Williams, Harney I., Baldwin, N. Y. Camera back. 2,201,511; May 21.
Williams, Hubert P., Stamford, and A. T. Williams, Doole, Tex. Insect exterminating device. 2,201,463; May 21.
Williams, J. H., & Co. (See Kress, Willard C., assignor.)
Williams, Lewis W., Short Hills, and G. A. Arnold, Chatham, assignors to Motor Improvements, Inc., Newark, N. J. Filter. 2,201,418; May 21.
Williams, Maurice D., Nelsonville, Ohio, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating upon sheet material. 2,201,278; May 21.
Williams, Robert E., The Dalles, Oreg. Garment bagger. 2,201,843; May 21.
Williams, W. N. (See Wight, Frank H., assignor.)
Williamson, John A., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of granular coated materials. 2,201,196; May 21.
Willing, Mark S., Mount Holly, Va., assignor of two and one-half per cent to C. L. Davis, Washington, D. C., and thirty-three and one-third per cent to H. J. Neale, Richmond, Va. Preventing soil erosion. 2,201,279; May 21.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Outlet valve. 2,201,805; May 21.
Wilmington Trust Company, executor. (See Carothers, Walter H.)
Wilson, Edward T., Jr., Highland Park, N. J. Disposable diaper holder. 2,201,255; May 21.
Wilson, Lee Sales Corporation. (See Woodson, James C., assignor.)
Wilson, Oscar C., assignor of one-half to Erlanger Cotton Mills Company, Lexington, N. C. Spinning mechanism. 2,201,844; May 21.
Winberg, Travis W., Beaumont, Tex. Valve for dispensing apparatus. 2,201,752; May 21.
Wirth, Emil O., assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,201,603; May 21.
Witman, Clyde J. R., Pottsville, Pa. Automatic control for toy electric trains. 2,201,512; May 12.
Wodack Electric Tool Corporation. (See Zechau, Hugo M., assignor.)
Wolkow, Isaac L., Louisville, Ky. Comb. 2,201,753; May 21.
Wolters, Carl F., Kenmore, N. Y., and R. M. Ellis, Boundbrook, N. J., assignors to Remington Rand Inc., Buffalo, N. Y. Index strip. 2,201,950; May 21.
Wolvin, Roy M. (See Robinson, Joseph, assignor.)
Wood, Charles F., Los Angeles, Calif. Vending machine for refrigerated articles. 2,201,464; May 21.
Wood, Henry A. W., New York, N. Y., and P. L. Tollison, North Plainfield, and C. L. Ricards, South Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Chuck. 2,201,937; May 21.
Wood, Lloyd E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Composite article and its manufacture. 2,201,568; May 21.
Wood Newspaper Machinery Corporation. (See Blomgren, Carl, assignor.)
Wood Newspaper Machinery Corporation. (See Wood, H. A. W., Tollison, and Ricards, assignors.)
Woodson, James C., assignor to Lee Wilson Sales Corporation, Cleveland, Ohio. Fuel supply and ignition system. 2,201,385; May 21.
Woodson, James C., assignor to Lee Wilson Sales Corporation, Cleveland, Ohio. Apparatus for heating. 2,201,386; May 21.
Woolvin, Clarence S. (See Evans, J. G., Piggott, and Woolvin.)
Worth, Joseph B., Petersburg, Va. Mercury switch. 2,201,754; May 21.
Wright, Alfred G., Philadelphia, Pa. Mouth prop and light carrier. 2,201,331; May 21.
Wright, Daniel K., Cleveland Heights, Ohio, and F. H. Weston, Bridgeport, Conn., assignors to General Electric Company. Electric translation device mounting and the like. 2,201,874; May 21.
Wright Tool and Forge Company, The. (See Stone, Arthur P., assignor.)
Wright, Walter F. (See Dall, Edward D., assignor.)
Wrightsman, Philip G. (See Peterson, R. F., and Wrightsman.)
Yale & Towne Manufacturing Company, The. (See Wartian, Avagim, assignor.)
Yantes, Edmond N., Melbourne, Fla. Seat recoil check. 2,201,280; May 21.
Yarnall-Waring Company. (See Kinderman, Walter J., assignor.)
Yoder, Carl M., Lakewood, Ohio. Machine for operating on sheet metal. 2,201,214; May 21.
Young, Leonard A., Detroit, Mich. Uniting metal surfaces. 2,201,806; May 21.
Young, Saul B., Bronx, N. Y. Apparatus for measuring potentials. 2,201,659; May 21.
Young, William H., Burlingame, Calif. Treating impure sucrose bearing materials. 2,201,419; May 21.
Young, William R. (See Bryant, F. D., and Young.)
Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
Zelt, Elmer J., Fort Wayne, Ind., assignor to General Electric Company. Outlet receptacle switch. 2,201,875; May 21.
Ziegler, Harry B., Odessa, Tex., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Equalizing valve arrangement for packers. 2,201,281; May 21.
Zimmerman, Arthur C., assignor to The Duro Company, Dayton, Ohio. Water seepage interceptor. 2,201,876; May 21.
Zizinia, Paul T., Belmar, and T. L. McKenna, Newark, N. J. Chocolate product. 2,201,820; May 21.
Zechau, Hugo M., assignor to Wodack Electric Tool Corporation, Chicago, Ill. Abrading machine. 2,201,420; May 21.
Zublin, John A., Los Angeles, Calif. Compact roller drilling bit. 2,201,569; May 21.
Zublin, John A., Los Angeles, Calif. Rotary earth boring bit. 2,201,570; May 21.
Zuhlke, William R., Yonkers, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Method of and apparatus for conditioning air. 2,201,688; May 21.
Zworykin, Vladimir K., Philadelphia, Pa., assignor to Radio Corporation of America. Picture transmitter tube. 2,201,215; May 21.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for dispensing loose salt in measured quantities into cans or the like. H. L. Bird. Re. 21,453; May 21.

Apparatus for molding. M. E. Toman. Re. 21,461; May 21.

Brake mechanism. A. F. O'Commor. Re. 21,460; May 21.

Doughnut machine. C. E. Carpenter. Re. 21,457; May 21.

Fibroin spinning solutions. R. S. Bley. Re. 21,454–6; May 21.

Form measuring device. E. E. Koe. Re. 21,450; May 21.

Lamp standard. W. L. Allison. Des. Re. 21,452; May 21.

Magnetron modulator. E. G. Linder. Re. 21,458; May 21.

LIST OF DESIGN INVENTIONS

Ash tray. H. Haas, Jr. 120,671; May 21.

Ax and wrecking tool, Combination fireman's. E. B. Arnsbarger. 120,609; May 21.

Bank, Savings. E. Brann. 120,635; May 21.

Bath attachment for bird cages. C. W. Johnson. 120,620; May 21.

Bicycle handle bar extension stem. R. L. Pawsat. 120,650; May 21.

Bottle. O. S. Parker. 120,677; May 21.

Bottle or similar article. T. D'Addario. 120,663; May 21.

Bottle or similar article. K. C. Fay. 120,668; May 21.

Bottle or similar article. M. W. Lowenstein; 120,624–5; May 21.

Bottle or similar article, Perfumery. H. H. Harris. 120,672; May 21.

Bracket and vase, Combined. L. A. Lindey. 120,623; May 21.

Bracket for conveyors or the like, Idler. J. J. Fairbairn. 120,667; May 21.

Brooch or similar article. H. Reinstein. 120,693; May 21.

Brooch or similar article of jewelry. I. Z. Joyce. 120,621; May 21.

Bucket, Shovel. C. W. Kimler, Sr. 120,685; May 21.

Building. P. R. Scheerer. 120,629; May 21.

Button. E. L. Pitkin. 120,651; May 21.

Camera tripod head. F. R. Howard. 120,642; May 21.

Cap, Container. A. H. Jung. 120,673; May 21.

Carton, Combined display and dispensing. E. J. Novak. 120,649; May 21.

Case or similar article, Gauge. C. H. Graesser and F. H. Hopkins. 120,640; May 21.

Coat, Child's. B. Fischer. 120,703–5; May 21.

Container, Condiment. W. Johnson and E. H. Trump. 120,719; May 21.

Container, Lipstick. R. T. Christy. 120,662; May 21.

Container or similar article, Lipstick. L. J. Davenport. 120,664; May 21.

Desk unit, Combination. E. R. Posnack. 120,652; May 21.

Dispenser and tooth brush holder, Combination paste. J. A. Nixon. 120,648; May 21.

Dress. M. Burnbaum. 120,699–700; May 21.

Dress. P. Fracchia. 120,706–11; May 21.

Dress. H. M. Harris. 120,713–14; May 21.

Dress. C. M. Neuhardt. 120,688–90; May 21.

Dress. C. M. Neuhardt. 120,720; May 21.

Dress. S. Novak. 120,692; May 21.

Dress. P. Wenett. 120,717; May 21.

Dress. M. White. 120,693; May 21.

Dress. L. Wollrauch. 120,698; May 21.

Dress ensemble. E. Breer. 120,701; May 21.

Dress, Play. D. Luntz. 120,686; May 21.

Dry cleaning unit. H. G. Sutton. 120,681; May 21.

Fabric or similar article of manufacture, Knitted. H. B. Sheplan. 120,630–2; May 21.

Fabric, Textile. H. Blumbaum. 120,660; May 21.

Fabric, Textile. M. Cembalest. 120,684; May 21.

Fabric, Textile. G. J. Finnegan. 120,617; May 21.

Fabric, Textile. C. Shapiro. 120,655; May 21.

Flashlight. J. P. Gits. 120,669–70; May 21.

Floor covering or similar article, Textile. W. O. Dewsbury. 120,665; May 21.

Floor covering or similar article, Textile. W. O. Dewsbury. 120,702; May 21.

Font of type. F. H. Riley. 120,694; May 21.

Frame for pictures and the like. A. Pacenzia. 120,627; May 21.

Frame or the like, Hand mirror. A. F. Reilly. 120,716; May 21.

Game board. E. L. Jones. 120,643; May 21.

Game device. J. J. Dorfman. 120,637; May 21.

Game device, Skill testing. M. J. Binks. 120,659; May 21.

Garment, Child's sleeping. B. B. Friedman. 120,718; May 21.

Holder and bracket for a container or the like, Combined. W. J. Jembrzycki. 120,628; May 21.

Hood and muffler, Combination. B. Posin. 120,721; May 21.

Jacket, Sports. B. Breier. 120,636; May 21.

Jar. E. A. Hinkins. 120,619; May 21.

Jewelry component. S. Birnbaum. 120,683; May 21.

Jug or article of similar nature, Glass. A. J. Dreitzer. 120,614; May 21.

Lamp and supporting bracket, Combined vehicle. J. Galter. 120,639; May 21.

Lighter and ash tray, Combined. I. Munzer. 120,676; May 21.

Marker and flower holder, Combined grave. S. A. Waligorski. 120,633; May 21.

Overshoe. L. H. L'Hollier. 120,644; May 21.

Panel and globes for a lighting fixture, Combined light transmitting. A. L. Arenberg. 120,658; May 21.

Photographic enlarger. R. Simon. 120,656; May 21.

Pin or similar article. M. Boucher. 120,611–12; May 21.

Pin or similar article, Lapel. N. Meadow. 120,626; May 21.

Pipe, Smoker's. R. L. Miller. 120,674; May 21.

Redingote. S. E. Frontman. 120,712; May 21.

Ring. A. J. Haegele. 120,618; May 21.

Ring, Finger. B. Esh. 120,615–16; May 21.

Scale, Weighing. J. O. Reinecke. 120,679; May 21.

Scarf or similar article. V. Winston. 120,682; May 21.

Scoop, Sink. J. T. Berge. 120,610; May 21.

Settee, Gliding. R. M. Rink. 120,680; May 21.

Shade or similar article, Window. C. H. Norton. 120,691; May 21.

Shingle. F. M. Leslie. 120,622; May 21.

Shoe. F. V. Grubs, A. Glesser, and M. Schindelman. 120,641; May 21.

Signal device. M. A. Lipschultz. 120,645; May 21.

Stereoscope. C. D. Austin. 120,634; May 21.

Sweater or similar article of wearing apparel. L. Whittingham. 120,696; May 21.

Thermometer. G. E. Ford. 120,638; May 21.

Tire, Pneumatic. L. G. Moonan. 120,687; May 21.

Tool, Combination kitchen. A. Deerf. 120,613; May 21.

Tool for tires or the like, Combination buffing and scraping. S. E. Parker. 120,678; May 21.

Toy animal. A. W. Lowin. 120,645; May 21.

Toy boat, Inflatable. H. N. Mooney. 120,675; May 21.

Toy figure. E. S. Savage. 120,653–4; May 21.

Trimming or similar article, Pleated leather. V. Pallotta. 120,715; May 21.

Truck body, Light delivery. W. H. Edwards. 120,666; May 21.

Vase and candlestick, Combined. R. A. May. 120,647; May 21.

Waist, Jersey. L. Whittingham. 120,697; May 21.

Wallpaper. L. Chasset. 120,661; May 21.

Watch or the like. A. K. Turnheim. 120,657; May 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. H. M. Zschau. 2,201,420; May 21.

Abrasive articles, Manufacture of. N. P. Roble. 2,201,321; May 21.

Abrasive composition. H. P. Nelson. 2,201,700; May 21.

Accounting machines, Impulse creating and selecting device for. A. H. Dickinson. 2,201,825; May 21.

Acid concentration, Nitric. R. F. Peterson and P. G. Wrightsman. 2,201,631; May 21.

Acid salts of polymeric amino compounds, Sulphamic. M. E. Cupery. 2,201,762; May 21.

Acids, Manufacture of aliphatic. H. Dreyfus. 2,201,228; May 21.

Adjustable bracket. A. Peckham. 2,201,787; May 21.

Air cleaner. T. W. Hallerberg. 2,201,650; May 21.

Air conditioning apparatus. A. A. Feinberg. 2,201,647; May 21.

Air conditioning for railway cars, All season. H. D. Euwer. 2,201,765; May 21.

Aircraft construction. O. E. Tormollan, Jr. 2,201,249; May 21.

Aircraft, Rotary winged. H. S. Campbell. 2,201,810; May 21.

Air, Method of and apparatus for conditioning. W. R. Zuhlke. 2,201,688; May 21.

Airplane control. R. B. Beisel and P. S. Baker. 2,201,710; May 21.

Alarm switch, Automatic bank. G. C. Moutray and R. J. Pendergrast. 2,201,972; May 21.

Amalgamator. J. F. Carner. 2,201,475; May 21.

Ammonia-air mixtures, Preheating. R. S. Richardson. 2,201,958; May 21.

Amplifier, Magnetic motion. F. K. McCune. 2,201,836; May 21.

Anchor device, Tire chain. S. Goldenberg. 2,201,397; May 21.

Anchor, Floor. G. H. Bugenhagen. 2,201,714; May 21.

Animal trap. F. E. Culbertson. 2,201,307; May 21.

Animation, Art of. W. E. Disney. 2,201,689; May 21.

Antenna. R. B. Dome. 2,201,857; May 21.

Antifreeze device. S. Vorech. 2,201,936; May 21.

Antiskidding device for automobiles. L. O. E. Roessel. 2,201,632; May 21.

Apparatus for adding extracts or the like to shower baths. J. Freng. 2,201,528; May 21.

Apparatus for allaying dust from rock drills. J. T. McIntyre. 2,201,270; May 21.

Apparatus for applying a plastic insulating composition. O. V. McGrew. 2,201,736; May 21.

Apparatus for ascertaining the depth focus of a lens. D. E. Hardie. 2,201,230; May 21.

Apparatus for controlling temperatures and humidity. T. and P. J. Lydon. 2,201,342; May 21.

Apparatus for cutting thread or the like. L. J. Jordan. 2,201,180; May 21.

Apparatus for handling strands. W. C. Ewaldson and H. Kress. 2,201,288; May 21.

Apparatus for heat treating strip metal. W. R. Webster. 2,201,417; May 21.

Apparatus for heating. J. C. Woodson. 2,201,386; May 21.

Apparatus for indicating the position of devices in pipes. E. P. Halliburton. 2,201,311; May 21.

Apparatus for measuring potentials. S. B. Young. 2,201,659; May 21.

Apparatus for producing and storing carbonated water. C. P. Deibel. 2,201,430; May 21.

Apparatus for recovering oil from exhaust mixtures. H. I. Stoltz. 2,201,961; May 21.

Apparatus for removing carbon and other deposits from internal combustion engines. G. Hoefle. 2,201,774; May 21.

Apparatus for road building. E. B. Jorgensen. 2,201,493; May 21.

Apparatus for the making of cross-feed records. W. C. Pfeiffer. 2,201,407; May 21.

Apparatus for treating pulverulent materials. N. Ahlmann. 2,201,552; May 21.

Applicator. J. R. Bedell. 2,201,516; May 21.

Applicator, Liquid wax. O. L. Leopold. 2,201,236; May 21.

Arc tube system. J. W. Dawson. 2,201,966; May 21.

Arm rest. E. E. Frey. 2,201,261; May 21.

Armor plate. E. L. Reed. 2,201,202; May 21.

Arrangement for avoiding colored fringes when taking images on lenticulated films. E. Gretener. 2,201,487; May 21.

Arrangement for the balancing of electrodes of electrical arc furnaces. T. Eklund. 2,201,483; May 21.

Article and its manufacture, Composite. L. E. Wood. 2,201,568; May 21.

Article of manufacture. D. J. Sullivan. 2,201,931; May 21.

Articles, Degreasing metal and like nonabsorbent. N. R. Hood. 2,201,729; May 21.

Articles from sheet material, Making of. W. Walker. 2,201,253; May 21.

Asbestos, Treating. E. Venable. 2,201,840; May 15.

Ash receiver. E. S. Carlson. 2,201,333; May 21.

Asphalt and producing the same. P. J. Fryar. 2,201,396; May 21.

Attachment for arm rest for furniture. E. E. Steadman. 2,201,354; May 21.

Attachment for looms. A. Dubois. 2,201,763; May 21.

Attachment plug. A. C. Grohsgal. 2,201,578; May 21.

Automatic switch. J. Holiday. 2,201,898; May 15.

Awning structure. B. A. De Bord. 2,201,887; May 21.

Bag: *See*—
Water bag.

Bag. M. Vogel-Jorgensen. 2,201,675; May 21.

Ball rolling game. R. T. Moloney and F. G. Nicolaus. 2,201,446; May 21.

Bar bracket, Venetian blind head. J. Nisenson. 2,201,499; May 21.

Barrel hoop measuring means. F. E. Evans, Sr. 2,201,135; May 15.

Base plate, Electric. W. L. Prendergast. 2,201,919; May 21.

Battery cord circuit, Common. B. A. Wallace. 2,201,358; May 21.

Battery cover assembly, Storage. H. E. Waner. 2,201,510; May 21.

Bearing for plows, Wheel. L. G. Perkins. 2,201,243; May 21.

Belt, Conveyer. J. E. Hogander. 2,201,665; May 21.

Binder for loose leaves. N. S. Welk. 2,201,551; May 21.

Bit: *See*—
Boring bit. Drilling bit.
Drill bit.

Blade impeller or turbine, Varipitch spiral. K. S. Valentine. 2,201,947; May 21.

Blades of air propellers, Coating the. H. Sukohl. 2,201,706; May 21.

Boat. V. B. Edwards. 2,201,859; May 21.

Bobber for fishlines, Lighted. W. L. Kuhns. 2,201,588; May 21.

Boiler and power plant regulation, Steam. W. D. La Mont. 2,201,621; May 21.

Bolt for automobile license plates, Self-locking. L. Stark. 2,201,930; May 21.

Book, Stencil. E. C. Davidson. 2,201,479; May 21.

Borehole inclination transmitter. D. E. McKee. 2,201,909. May 21.

Boring bit, Rotary earth. J. A. Zublin. 2,201,570; May 21.

Boring machine. K. J. Kollman. 2,201,733; May 21.

Boring or drilling tool. A. C. Clow. 2,201,159; May 21.

Boron carbide composition. J. A. Boyer and C. G. Rose. 2,201,151; May 21.

Bottle support, Nursing. C. C. Bell. 2,201,257; May 21.

Bouclé, Two-color. E. Bry. 2,201,759; May 21.

Box: *See*—
Junction box. Moisture box.

Box and cover. J. Wertzheiser. 2,201,751; May 21.

Box blanks and boxes, Making. C. D. Knowlton. 2,201,185; May 21.

Box for wet abrasive cutting machines, Adjustable water. H. G. Robinson. 2,201,408; May 21.

Bracket: *See*—
Adjustable bracket. Bar bracket.

Bracket. B. M. Frenze. 2,201,529; May 21.

Bracket and manufacture thereof. F. Ditchfield. 2,201,826; May 21.

Brake: *See*—
Fluid pressure brake.

Brake. W. E. Fields. 2,201,612; May 21.

Brake. D. Hoppenstand. 2,201,293; May 21.

Brake and its application in rail and road vehicles, Hydraulic circuit. K. Friedrich and E. Seibold. 2,201,165; May 21.

Brake cylinder device. B. S. Aikman. 2,201,571; May 21.

Brake device for cycles. F. Kormann. 2,201,902; May 21.

Brake drum. P. M. and R. B. Miller. 2,201,445; May 21.

Brake equipment, Fluid pressure. E. S. Cook and J. Canetta. 2,201,574; May 21.

Brake mechanism, Railway hand. E. E. Van Cleave. 2,201,656; May 21.

Braking system, Fluid pressure. H. C. Bowen. 2,201,518; May 21.

Braking system, Hydraulically operating. J. A. Derrig. 2,201,523; May 21.
Brew handling and dispensing device. J. M. Bruce. 2,201,154; May 21.
Building blocks, Making. D. Martin. 2,201,298; May 21.
Building material and the like. N. P. Harshberger. 2,201,175; May 21.
Bumper and drawhead, Spring. E. R. Schroeder. 2,201,796; May 21.
Bumper, Car. R. A. Shields. 2,201,800; May 21.
Burial vault mold. W. E. Whited. 2,201,359; May 21.
Burner apparatus. H. D. Dufault. 2,201,678; May 21.
Burner control, Oil. C. T. Wallis and R. E. Fowler. 2,201,328–9; May 21.
Burner elements, Manufacture of. V. W. Kliesrath. 2,201,777; May 21.
Bushing, Steering column. J. D. Chamberlin. 2,201,477; May 21.
Cabinet: *See*—
Filing cabinet. Ingredient cabinet.
Cable actuated upward acting door. H. J. Siess and J. E. Casse. 2,201,636; May 21.
Calculating machine. E. F. Britten, Jr. 2,201,713; May 21.
Caliper gauge. K. Kaehlert. 2,201,832; May 21.
Camera back. H. I. Williams. 2,201,511; May 21.
Camera, Motion picture. M. A. Dalotel. 2,201,886; May 21.
Can end feeding and marking mechanism. O. A. Schmitt. 2,201,924; May 21.
Can end feeding mechanism. O. A. Schmitt. 2,201,923; May 21.
Capillary-active sulphonation products, Production of. M. Luther and B. v. Reibnitz. 2,201,944; May 21.
Car: *See*—
Dump car. Metal car.
Carbide composition, Hard. J. A. Boyer and C. G. Rose. 2,201,150; May 21.
Carbon and other deposits from internal combustion engines, Removing. G. Hofele. 2,201,773; May 21.
Carbonating apparatus and cooling unit. C. P. Delbel. 2,201,429; May 21.
Carbothionamides and preparing the same, Polymeric. W. E. Hanford. 2,201,172; May 21.
Carbureting and ignition system for internal combustion engines. M. Mallory. 2,201,381; May 21.
Carburetor. E. O. Wirth. 2,201,603; May 21.
Carburetor control. A. Heess and G. Scheerer. 2,201,693; May 21.
Card holding attachment for card tables. I. Levin. 2,201,187; May 21.
Carrier: *See*—
Prop and light carrier.
Cart, Concrete. C. A. Buchen. 2,201,224; May 21.
Cartoons, Making motion picture. M. Fleischer. 2,201,649; May 21.
Case: *See*—
Key case. Refrigerated case.
Case and platter construction, Refrigerated. J. S. Hill. 2,201,265; May 21.
Casing and making same, Moistureproof sausage. J. P. Smith and W. F. Henderson. 2,201,457; May 21.
Casing for mattresses and the like. L. J. Bennett. 2,201,361; May 21.
Casings, Perforating well. H. M. Greene. 2,201,290; May 21.
Catalyst and producing same and employing said catalyst in hydrogenation reactions. C. W. Lenth and R. N. Du Puis. 2,201,235; May 21.
Cathode ray projection tube. E. Ruska, W. Reichel, and R. Colberg. 2,201,245; May 21.
Cathode structure, Thermionic. T. A. Elder. 2,201,720–1; May 21.
Cathode structure, Thermionic. A. W. Hull. 2,201,730; May 21.
Cellulosic pellicles, Producing moistureproof. A. W. Staudt. 2,201,747; May 21.
Cement, Producing white. O. Schwachheim. 2,201,143; May 21.
Centering aligning device. F. Turrettini. 2,201,935; May 21.
Centrifugal separating device. S. A. Richardson. 2,201,301; May 21.
Ceramic article. P. C. Kingsbury. 2,201,684; May 21.
Chair: *See*—
Reclining chair. Stick chair.
Chemical product and producing the same, Inorganic. H. N. Huntzicker. 2,201,667; May 21.
Chocolate product. P. T. Zinzinia and T. L. McKenna. 2,201,820; May 21.
Chuck. H. A. W. Wood, P. L. Tollison, and C. L. Ricards. 2,201,937; May 21.
Chucking device, Automatic. J. R. Cox. 2,201,287; May 21.
Cigar cutter. A. Hagelauer. 2,201,771; May 21.
Cigarette dispenser. J. B. Whitted. 2,201,277; May 21.
Circuit: *See*—
Battery cord circuit. Sending and receiving circuit.
Electric circuit.
Circuit arrangement for reducing interference. E. Franke. 2,201,337; May 21.
Circuit breaker testing arrangement. F. M. Deerhake. 2,201,852; May 21.
Circuit connection combination. C. M. Petersen. 2,201,743; May 21.
Circuit controller. R. W. Scott and A. O. McCollum. 2,201,798; May 21.
Circuit for radio receivers, Image rejector. R. B. Albright. 2,201,938; May 21.
Clamp: *See*—
Terminal clamp.
Clasp fastener, Covered sliding. J. Kuna. 2,201,792; May 21.
Cleaner: *See*—
Air cleaner. Pipe cleaner.
Clip: *See*—
Curl clip. Wound clip.
Clip device, Spring. J. H. Van Uum. 2,201,509; May 21.
Clip for spectacle cases. P. C. Scott. 2,201,144; May 21.
Clock. L. Prins. 2,201,376; May 21.
Clock display apparatus, Disappearing. M. Brown. 2,201,809; May 21.
Closure, Bottle. M. Samburg. 2,201,791; May 21.
Closure for beverage coolers. R. H. Guyton. 2,201,435; May 21.
Closure for receptacles. G. W. Poppe. 2,201,592; May 21.
Closure, Tamperproof. M. Samburg. 2,201,205; May 21.
Clutch. A. R. Coe. 2,201,676; May 21.
Clutch. G. Hunt. 2,201,340; May 21.
Clutch. D. W. Walters. 2,201,567; May 21.
Clutch attachment. E. O. Shreffler and A. D. Lesage. 2,201,838; May 21.
Clutch driven plate. G. Hunt. 2,201,339; May 21.
Clutch mechanism. F. C. Best. 2,201,149; May 21.
Clutch mechanism. A. Burnett. 2,201,715; May 21.
Coated and impregnated fabric. D. E. Edgar and P. Robinson. 2,201,891; May 21.
Coated material, Granular. R. L. Melton, R. C. Benner, and H. P. Kirchner. 2,201,195; May 21.
Coil heating, Metal strip. D. Edge. 2,201,308; May 21.
Collar, Semistiff. J. D. McBurney and E. H. Nollau. 2,201,908; May 21.
Colloidal mill. L. M. Dixon. 2,201,889; May 21.
Color planner. C. Deutsch. 2,201,888; May 21.
Column, Fractionating. C. Pyle, III. 2,201,502; May 21.
Comb. I. L. Wolkow. 2,201,753; May 21.
Combustion apparatus. D. J. Mosshart. 2,201,241; May 21.
Combustion process as applied to vapor generation. W. D. La Mont. 2,201,627; May 21.
Commodity merchandising assemblage. R. A. McCreary. 2,201,653; May 21.
Communication system. J. D. Browder and C. W. Easley. 2,201,472; May 21.
Communication system, Electrical. H. F. Elliott. 2,201,162; May 21.
Compass, Earth induction. F. L. Moseley. 2,201,559; May 21.
Composition of matter and method of producing. E. R. Littmann. 2,201,237; May 21.
Compressor, Rotary reciprocating. S. A. and A. S. Limpert. 2,201,188; May 21.
Condensation products, Polymeric. C. S. Marvel and D. S. Frederick. 2,201,544; May 21.
Condenser apparatus. J. W. McNulty. 2,201,783; May 21.
Condensers, Method and apparatus for the manufacture of electric. F. Kostka. 2,201,864; May 21.
Connector: *See*—
Fuse carrying connector.
Connector. B. D. McIntyre. 2,201,590; May 21.
Connector and car coupler slack control means, Automatic train pipe. J. Robinson. 2,201,203; May 21.
Container: *See*—
Paperboard container. Sheet metal container.
Container. M. Wagner. 2,201,416; May 21.
Container. R. Wells and H. M. Kieckhefer. 2,201,462; May 21.
Container for perishable liquids. A. H. Esty. 2,201,524; May 21.
Container manufacture, Fiber. J. M. Hothersall. 2,201,177; May 21.
Control for automatic gearshift mechanism. K. Maybach. 2,201,192; May 21.
Control for inking mechanism, Multiple point. C. Blomgren. 2,201,942; May 21.
Control for printing presses, Overfeed. C. Grundhoefer. 2,201,726; May 21.
Control for toy electric trains, Automatic. C. J. R. Witman. 2,201,512; May 21.
Control system. A. E. Krogh. 2,201,946; May 21.
Cooling system. F. P. Illsley. 2,201,314; May 21.
Copper and copper base alloys. M. G. Corson. 2,201,555; May 21.
Copper oxidizing furnace. F. T. Hague. 2,201,580; May 21.
Copper, Preparing a colloid oxychloride. P. F. J. Souviron, P. E. Bigourdan, and P. Bebin. 2,201,928; May 21.
Cotton materials, Treating. W. H. Furness. 2,201,262; May 21.
Coupling device. R. C. Durant. 2,201,858; May 21.
Coupling: *See*—
Flexible coupling. Swivel coupling.
Pipe coupling.

Coupling for tubes and pipes. H. Kreidel. 2,201,404; May 21.
Cover: *See*—
Hatch cover. Protective cover.
Cover assembly for storage batteries. F. Slusher. 2,201,275; May 21.
Cover operating means, Container. F. B. Deans. 2,201,161; May 21.
Covering for containers, Ornamental. H. Lathrop. 2,201,779; May 21.
Craft, Nonsinkable. J. Picco. 2,201,788; May 21.
Curb indicator for motor vehicles. L. Mohar. 2,201,496; May 21.
Curl clip. P. Eicher. 2,201,719; May 21.
Current rectifier, Alternating. E. Barrey. 2,201,940; May 21.
Current rectifiers, Manufacture of alternating electric. A. L. Williams, L. E. Thompson, and R. H. Cubitt. 2,201,709; May 21.
Current, System for arcless interruption of alternating. W. F. Szabo. 2,201,595; May 21.
Curtain operating mechanism. V. H. Volland. 2,201,804; May 21.
Cutoff machine. E. C. Whitney. 2,201,658; May 21.
Cutter: *See*—
Cigar cutter. Rotary cutter.
Cutting device, Flying. K. W. Halliden. 2,201,581; May 21, 1940.
Cutting machine for plastic material, Continuous. C. and H. H. Doering. E. W. Anderson, and B. Skoglund. 2,201,392; May 21.
Cutting, shaping, embossing, and wrapping machine for butter or similar plastic material. B. Rottenberg. 2,201,872; May 21.
Cutting tool. R. K. Mitchell. 2,201,142; May 21.
Cyanide, Manufacture of alkali metal. L. J. Burrage. 2,201,760; May 21.
Dairy equipment. E. Shurts. 2,201,634; May 21.
Dampers, Assembling vibration. M. Tibbetts. 2,201,932; May 21.
Decoy. Fox, J. C. 2,201,164; May 21.
Dehairing machine. S. J. Marquardt. 2,201,297; May 21.
Deicing mechanism. R. H. Burgess. 2,201,155; May 21.
Dental amalgamator. E. L. Chott. 2,201,428; May 21.
Dental device. C. D. Mastrud. 2,201,190; May 21.
Device for laying pipe at an oil rigging. C. A. Doud. 2,201,813; May 21.
Diaper holder, Disposable. E. T. Wilson, Jr. 2,201,255; May 21.
Die. E. Jerichow. 2,201,582; May 21.
Die for making T-shaped part. H. Cadwallader, Jr. 2,201,225; May 21.
Direction finder loop. W. Berndt. 2,201,807; May 21.
Dish-washing machine. T. E. D. Bilde. 2,201,284; May 21.
Disinfector. R. A. Myers. 2,201,784; May 21.
Dispenser: *See*—
Cigarette dispenser. Tag dispenser.
Dispensing machine. J. W. Sroduiski. 2,201,655; May 21.
Dispersion and making the same. F. K. Schoenfeld. 2,201,273; May 21.
Dissolver. K. S. Valentine. 2,201,212; May 21.
Distillate, Treatment of sulphur-containing. R. E. Burk. 2,201,883; May 21.
Door: *See*—
Cable actuated upward acting door.
Door construction and seal, Railway car. F. Oyen. 2,201,915; May 21.
Door opening device. R. I. Schonitzer. 2,201,208; May 21.
Door operating implement, Car. T. H. Edelblute. 2,201,394; May 21.
Door with cable actuating mechanism, Upward acting. H. J. Siess and J. E. Casse. 2,201,635; May 21.
Doorknob, Combination. P. A. Keith. 2,201,494; May 21.
Doughnut machine and the like. C. E. Carpenter. 2,201,364; May 21.
Drain assembly for washing machines and the like. E. W. Rouch. 2,201,790; May 21.
Drier: *See*—
Hair drier.
Drier for hair and the like. H. A. Smith. 2,201,506; May 21.
Drill bit. I. C. Bell. 2,201,219; May 21.
Drill bit. J. F. Shaw. 2,201,379; May 21.
Drilling bit, Compact roller. J. A. Zublin. 2,201,569; May 21.
Drilling machine, Rotary. T. S. Park. 2,201,673; May 21.
Drive and control device, Hydraulic. H. J. Atkins and S. B. Bennett. 2,201,878; May 21.
Dropper, Batter. M. and H. Bramson. 2,201,222; May 21.
Drum, Collapsible. H. C. Bostwick. 2,201,468; May 21.
Dump car. A. C. Schmohl. 2,201,945; May 21.
Dyeing. J. G. Evans, H. A. Piggott, and C. S. Woolvin. 2,201,814; May 21.
Dyes derived from 4-methyl-quinoline derivatives, Trimethine cyanine. E. B. Middleton and G. A. Dawson. 2,201,816; May 21.
Dyestuffs insoluble in water, Monoazo. E. Fischer. 2,201,648; May 21.
Dynamo electric machine. R. W. Wieseman. 2,201,845; May 21.
Earth, Solidifying. J. van Hulst. 2,201,459; May 21.
Edge sealing for sponge rubber. H. T. Kraft. 2,201,669; May 21.
Electric attachment device. A. C. Grohsgal. 2,201,579; May 21.
Electric circuit. K. J. Germeshausen. 2,201,166; May 21.
Electric heater, Thermostatically controlled immersion. W. M. Sage. 2,201,703; May 21.
Electric separating filter. W. Will. 2,201,254; May 21.
Electric switch. F. D. Bryant and W. R. Young. 2,201,882; May 21.
Electrical apparatus and method for locating minerals. W. M. Barret. 2,201,256; May 21.
Electrical device. F. W. Godsey, Jr. 2,201,725; May 21.
Electrical device, Sealed. W. Dawihl and W. Thouret. 2,201,717; May 21.
Electrical terminal. R. N. Rowe and J. Robertson. 2,201,674; May 21.
Electrical testing apparatus. C. Paulson. 2,201,562; May 21.
Electrical wave filter. B. Trevor. 2,201,326; May 21.
Electrode assembly, Discharge tube. A. W. Hull. 2,201,731; May 21.
Electrolytic device. J. L. Collins. 2,201,761; May 21.
Electron discharge device. E. Bruce. 2,201,880; May 21.
Electron discharge device and circuit. J. L. H. Jonker. 2,201,695; May 21.
Electron discharge device system. G. Krawinkel. 2,201,587; May 21.
Electron tube. O. Baier and C. Jung-Zaeper. 2,201,216; May 21.
Electronic device. C. G. Smith. 2,201,819; May 21.
Electronic discharge device. C. G. Smith. 2,201,818; May 21.
Electronic discharge method and apparatus. C. G. Smith. 2,201,817; May 21.
Engine: *See*—
Internal combustion engine.
Engine. A. M. Ney. 2,201,785; May 21.
Engine and propeller. E. Gadoux and L. Crousse. 2,201,803; May 21.
Engine control device, Vehicle speed. N. M. McCullough. 2,201,629; May 21.
Engine receiving fuel by injection, Internal combustion. A. Bokemüller. 2,201,221; May 21.
Engines, Lubrication of internal-combustion. A. H. R. Fedden and H. C. Mansell. 2,201,525; May 21.
Envelope. J. A. Holden. 2,201,538; May 21.
Ethers, (Alkyl-halo-phenoxy-alkyl) (thiocyano-alkyl). G. H. Coleman and R. W. Sapp. 2,201,158; May 21.
Ethers, (Polyhalophenoxy-alkyl) (thiocyano-alkyl). G. H. Coleman and C. L. Moyle. 2,201,166; May 21.
Expanding vein tube. M. Vandergrift. 2,201,749; May 21.
Expansion valve, Thermostatically controlled. A. F. Hoesel. 2,201,728; May 21.
Exposure control, Automatic. J. M. Bing. 2,201,606; May 21.
Extension table. C. F. Vance. 2,201,414–15; May 21.
Fabric: *See*—
Coated and impregnated fabric. Plain knit ornamented fabric.
Knitted fabric.
Fan casing, Centrifugal. K. D. McMahan. 2,201,867; May 21.
Fastener: *See*—
Clasp fastener. Window sash fastener.
Fastener attaching member and fastener installation. S. M. Del Camp. 2,201,611; May 21.
Fastener installation and fastener for the same. W. H. Churchill. 2,201,387; May 21.
Fastening device. B. Cotter. 2,201,335; May 21.
Fastening means for securing railway car lining. H. Kump. 2,201,778; May 21.
Feeder: *See*—
Sheet feeder.
Feeding mechanism. O. C. Schmidt. 2,201,959; May 21.
Fibers or fibrous materials containing keratin, Treatment of. J. B. Speakman. 2,201,929; May 21.
File, Expanding. S. Schelnman. 2,201,547; May 21.
Filing cabinet. G. E. Watkins. 2,201,948; May 21.
Filler for pulp refining engines. C. J. Steinbarger. 2,201,276; May 21.
Filter: *See*—
Electric separating filter. Renewable type filter.
Electrical wave filter. Wave filter.
Filter. L. W. Williams and G. A. Arnold. 2,201,418; May 21.
Filterer, Pipe bowl lining. W. E. Forrester. 2,201,526; May 21.
Finishing system. E. F. Oeffinger and H. G. Stauffer. 2,201,914; May 21.
Fish lure. A. B. Jacobson. 2,201,267; May 21.
Fishing leader. J. R. Skoverski. 2,201,351; May 21.
Fishing line reel. W. Springer. 2,201,305; May 21.
Fishing reel. P. Catucci. 2,201,476; May 21.
Fishing tool. C. J. Gallagher. 2,201,434; May 21.
Fitting, Drainage. E. W. N. Boosey. 2,201,711; May 21.
Flare casing and method of sealing. L. L. Driggs, Jr. 2,201,482; May 21.
Flatiron stand. A. J. Towler. 2,201,598; May 21.

Flexible coupling. J. J. Serrell and R. A. Smith. 2,201,799; May 21.
Fluffing and renovating machine. P. Sappington. 2,201,303; May 21.
Fluid pressure brake. T. Tarisien. 2,201,564; May 21.
Fluid testing process as applied to vapor generation. W. D. La Mont. 2,201,625; May 21.
Fluorescent lamp. D. J. Delaney. 2,201,390; May 21.
Form, Collapsible. H. C. Bostwick. 2,201,469; May 21.
Fountain, Automatic liquid dispensing. M. Mazzanobile. 2,201,545; May 21.
Frequency stabilizing arrangement. C.-E. Granqvist. 2,201,770; May 21.
Friction material. J. H. Matthews. 2,201,191; May 21.
Fruit, Method and apparatus for treating. M. Ewald. 2,201,967; May 21.
Fuel control device. W. F. Jackson. 2,201,399; May 21.
Fuel feeding device for internal combustion engines. H. A. Myers. 2,201,448; May 21.
Fuel supply and ignition system. J. C. Woodson. 2,201,385; May 21.
Fuels, Treatment of motor. F. R. Bean. 2,201,553; May 21.
Fume digester. W. S. Callahan. 2,201,520; May 21.
Furnace: *See*—
Copper oxidizing furnace.
Fuse. F. Schultze. 2,201,209; May 21.
Fuse carrying connector. L. W. Carr. 2,201,427; May 21.
Game. A. Steiner. 2,201,802; May 21.
Game, Miniature basketball. C. G. Nelson. 2,201,560; May 21.
Game, Target. E. W. Kriekard. 2,201,865; May 21.
Garage or car park. H. Auger and W. E. Pearson. 2,201,939; May 21.
Garment bagger. R. E. Williams. 2,201,843; May 21.
Garment support. P. F. Shewbridge. 2,201,744; May 21.
Gas generating plant, Self-contained. A. Curioni. 2,201,854; May 21.
Gas mask facepiece. R. Monro, A. V. Motsinger, H. A. Scruton, and G. A. Little. 2,301,198; May 21.
Gaseous-discharge device. K. J. Germeshausen. 2,201,167; May 21.
Gasifying apparatus for fuel oil. A. Curioni. 2,201,855; May 21.
Gaskets, Making. P. W. Dempsey. 2,201,576; May 21.
Gauge: *See*—
Caliper gauge.
Gauge for pulling over machines. A. Fagone. 2,201,646; May 21.
Gauge glass with gasket and gasket seat. W. J. Kinderman. 2,201,542; May 21.
Gear: *See*—
Reduction gear.
Gear changing mechanism. Y. Sekella. 2,201,304; May 21.
Gear shifting mechanism. H. W. Hey. 2,201,971; May 21.
Gear shifting mechanism for motor vehicles. H. W. Hey. 2,201,970; May 21.
Gearing, Change-speed. W. R. Griswold. 2,201,169; May 21.
Gearing, Transmission. F. W. Cotterman. 2,201,848; May 21.
Gelatin, Manufacture of. J. V. S. Glass. 2,201,168; May 21.
Generator: *See*—
Steam generator.
Generators, especially supercharged steam generators burning fluid fuels, High speed steam. W. D. La Mont. 2,201,616; May 21.
Glareshield construction, Automobile. C. A. Minor, Jr. 2,201,197; May 21.
Glass, Manufacture of sheet. A. J. Bundy. 2,201,286; May 21.
Golf ball cores, Making. J. R. Gammeter. 2,201,691; May 21.
Golf club. A. K. Thelbault, Sr. 2,201,638; May 21.
Golf practicing device. L. T. Martin and C. E. Dodson. 2,201,697; May 21.
Gravity switch. G. Soulat. 2,201,637; May 21.
Grease injecting apparatus. O. J. Bratz. 2,201,426; May 21.
Grill, Charcoal. A. J. Avetta. 2,201,756; May 21.
Grille. R. H. Hutchinson. 2,201,266; May 21.
Grinding machine. C. G. Flygare. 2,201,954; May 21.
Grinding wheel. H. R. Simonds. 2,201,410; May 21.
Gripping device. F. Blackburn. 2,201,285; May 21.
Guard, Brake gear safety. D. M. Light. 2,201,441; May 21.
Guard, Safety. E. L. Root. 2,201,244; May 21.
Guardrail, Two-purpose highway. A. P. Hayden and G. A. Gleason. 2,201,313; May 21.
Guard, Snow. B. C. Place. 2,201,320; May 21.
Gynecologic instrument. D. E. Singer. 2,201,274; May 21.
Hair curling device. S. Fisher. 2,201,613; May 21.
Hair drier. C. G. Gross. 2,201,229; May 21.
Hair waver. L. V. Bregou and P. E. Berling. 2,201,223; May 21.
Handbag and the like, Lady's. H. P. Bender. 2,201,757; May 21.
Handle assembly. Door. A. Wartian. 2,201,963; May 21.
Handle structure for sadirons, Split. R. I. Huffman. 2,201,491; May 21.
Hanger: *See*—
Liner hanger.
Hanger, Attaching a. R. F. McMahan. 2,201,193; May 21.
Harrow, Offset disk. R. H. Mitchell. 2,201,240; May 21.
Hatch cover. T. H. MacGeorge. 2,201,781; May 21.
Heat control for oil stoves. L. O. Morin, Jr., and R. R. Shelton. 2,201,913; May 21.
Heat treating bath. C. Albrecht. 2,201,755; May 21.
Heater: *See*—
Electric heater.
Heating device for water fountains. E. M. Keen. 2,201,901; May 21.
Heating plant, District. A. E. Margolis. 2,201,239; May 21.
Heating system. E. B. Hauser. 2,201,312; May 21.
Heating system, Bus. R. J. Parsons. 2,201,916; May 21.
Heel, Pneumatic. B. Rubel. 2,201,702; May 21.
Hinge. A. Fischer. 2,201,908; May 21.
Hinge for sofa beds. A. Krakauer. 2,201,903; May 21.
Hinge, Inclined. E. E. Howe. 2,201,490; May 21.
Hinge, Seat. H. P. Nordmark. 2,201,450; May 21.
Hoe. C. R. Jones. 2,201,436; May 21.
Hoist support. W. A. Hyde. 2,201,138; May 21.
Holder: *See*—
Diaper holder. Mop holder.
Key holder. Record element holder.
Memorandum pad holder.
Holder for loose-leaf memo paper. C. E. Walton. 2,201,962; May 21.
Honing tool. M. N. Prange. 2,201,593; May 21.
Hook for cargo slings. F. A. Lallier. 2,201,904; May 21.
Hydraulic device for presses, Auxiliary. H. F. MacMillin. 2,201,443; May 21.
Hydrocarbon into gaseous fuel, Converting liquid. J. T. Cook. 2,201,965; May 21.
Hydrocarbon mixtures, Separating. C. E. Andrews. and M. R. Fenske. 2,201,821–2; May 21.
Hydrocarbons, Manufacturing alkylated. W. E. Bradley. 2,201,823; May 31.
Hydrocarbons, Reforming and polymerization of. P. Subkow. 2,201,306; May 21.
Hydrogenation products of furfurol, Manufacture of. W. Rittmeister. 2,201,347; May 21.
Igniter. L. R. Poschadel. 2,201,501; May 21.
Implement hitch. E. H. Christensen. 2,201,660; May 21.
Index strip. C. F. Wolters and R. M. Ellis. 2,201,950; May 21.
Indicator: *See*—
Electric indicator.
Inductor, Variable. J. P. Putnam. 2,201,453; May 21.
Ingredient cabinet. M. A. Brockett. 2,201,152; May 21.
Ink dispensing device. A. D. Robinson. 2,201,455; May 21.
Insect exterminating device. H. P. and A. T. Williams. 2,201,463; May 21.
Insulator for electron discharge devices. J. Glauber. 2,201,289; May 21.
Intaglio printing mechanism. W. M. Pollock. 2,201,452; May 21.
Interlocking system for railroads. R. M. Phinney and F. B. Hitchcock. 2,201,973; May 21.
Internal combustion engine. A. Bokemüller and F. Schaub. 2,201,220; May 21.
Internal combustion engine. H. J. Hickey. 2,201,292; May 21.
Iron with heat indicator, Electric. C. H. Sparklin. 2,201,745; May 21.
Iron without melting, Decarbonizing carbon-holding. B. M. S. Kalling. 2,201,181; May 21.
Ironing board and iron support, Combined. W. M. Schwartz. 2,201,925; May 21.
Ironing machine. G. W. Wardwell, Jr. 2,201,841; May 21.
Ironing table, Wall inset. C. E. Newstrom. 2,201,701; May 21.
Jack device for automobiles, Automatic. H. J. Miniconi. 2,201,373; May 21.
Joint: *See*—
Pavement joint.
Junction box, Line wire. W. H. Stilwell. 2,201,507; May 21.
Ketones by steam distillation, Fractionation of chlorinated. A. E. Calkins. 2,201,259; May 21.
Key case. J. C. Dawson, Jr. 2,201,850; May 21.
Key case. E. A. Koelling. 2,201,833; May 21.
Key holder. J. C. Dawson, Jr. 2,201,851; May 21.
Kit, Shoe polishing. W. L. Connor. 2,201,260; May 21.
Knitted fabric. J. Markowitz. 2,201,269; May 21.
Knitting machine. R. E. Davis, Jr. 2,201,716; May 21.
Knitting machine, Full Fashioned. K. Howie. 2,201,136; May 21.
Knitting machine with interchangeable needle carriers. W. Larkin. 2,201,905; May 21.
Label attachment, End. A. J. Schmidt and J. Jackson. 2,201,207; May 21.
Lamp: *See*—
Fluorescent lamp. Photoflash lamp.
Lamps and similar articles, Method and apparatus for manufacturing electric. G. Illingworth. 2,201,694; May 21.

Latch operating means, Automobile door. H. E. Marsh. 2,201,444; May 21.
Lathe attachment. M. Sainich. 2,201,505; May 21.
Leather finish. D. E. Edgar and P. Robinson. 2,201,892; May 21.
Lift, Automobile. A. Jackson and V. S. Makaroff. 2,201,179; May 21.
Lift, Pneumatic automobile. W. A. Bary and A. Jackson. 2,201,147; May 21.
Lift, Pneumatic automobile. V. S. Makaroff and A. Jackson. 2,201,189; May 21.
Lift, Water. U. G. Rogers. 2,201,503; May 21.
Lighter, Cigar. J. H. Cohen. 2,201,952; May 21.
Lighting and air impelling device. W. A. Brown. 2,201,153; May 21.
Lighting equipment, Vehicle. L. C. Doane. 2,201,856; May 21.
Liner for separating adhesive material. W. R. Hickler. 2,201,537; May 21.
Liner hanger. K. Ford. 2,201,433; May 21.
Lipophilic-hydrophilic derivatives of thio compounds. B. R. Harris. 2,201,535; May 21.
Lipstick applicator. I. Bloom. 2,201,467; May 21.
Liquid for electrical insulating purposes, Degasifying. C. A. Piercy and E. L. Crandall. 2,201,870; May 21.
Liquid mixtures, Solvent extraction of. W. J. D. van Dijck. 2,201,549; May 21.
Liquid mixtures, Solvent extraction of. W. J. D. van Dijck and A. Schaafsma. 2,201,550; May 21.
Liquids containing nitric and hydrochloric acids, Treating. H. A. Beekhuis, Jr. 2,201,423; May 21.
Liquids, Device for dispensing. F. W. and A. G. Berwick. 2,201,808; May 21.
Load transfer device. A. E. Brickman and G. A. Gleason. 2,201,134; May 21.
Loading device for scanning drums. H. Carlson. 2,201,474; May 21.
Lock: *See*—
Plate lock.
Lock. E. W. North. 2,201,957; May 21.
Lock joint for sheet metal. A. G. Siebenlist. 2,201,409; May 21.
Lock structure for automobile doors. E. D. Dall. 2,201,644; May 21.
Locker room, Cold storage. R. W. Smith. 2,201,411; May 21.
Log, Electric variable pitch. E. Granat. 2,201,896; May 21.
Looper mechanism. A. H. Weis. 2,201,384; May 21.
Lubricant. H. E. Ballard. 2,201,217; May 21.
Lubricant, Extreme pressure. W. F. Busse. 2,201,258; May 21.
Lubricant, Mold. E. G. Partridge. 2,201,271; May 21.
Lubricant preparation. R. E. Burk. 2,201,607; May 21.
Lubricating apparatus. A. P. Fox and V. G. Klein. 2,201,163; May 21.
Lubricating mechanism, Rail and wheel. R. A. Birmingham. 2,201,133; May 21.
Lubricator. A. H. Todd. 2,201,803; May 21.
Luminaire. S. English. 2,201,860; May 21.
Luminescent material and preparation thereof. A. H. McKeag. 2,201,698; May 21.
Machine for die casting under pressure. K. Lebkuchner. 2,201,906; May 21.
Machine for grinding noncircular work. H. E. Balsiger and C. L. Ott. 2,201,218; May 21.
Machine for operating on sheet metal. C. M. Yoder. 2,201,214; May 21.
Machine for operating upon sheet material. M. D. Williams. 2,201,278; May 21.
Machine for scalping metal work pieces. H. T. R. Hanitz. 2,201,173; May 21.
Machine for transferring fluids. E. R. and R. B. Cornell. 2,201,575; May 21.
Machine for use in the manufacture of shoes. R. H. Lawson. 2,201,866; May 21.
Machine tool. E. E. Kelley. 2,201,182–3; May 21.
Machine tool. L. F. Poock. 2,201,500; May 21.
Magnesium chloride, Production of anhydrous. W. Schmid, F. Wienert, and H. G. L. von Stocmeier. 2,201,206; May 21.
Magnetic structure for dynamo-electric machines. T. G. Myers. 2,201,699; May 21.
Magnetron. H. E. Hollmann. 2,201,666; May 21.
Manganese and its alloys, Treatment of. R. S. Dean. 2,201,677; May 21.
Marker, Price. E. N. Ivey. 2,201,139; May 21.
Marking machine. L. Andersen. 2,201,465; May 21.
Material gathering and loading machine. F. Cartlidge. 2,201,334; May 21.
Material loading apparatus. R. C. Osgood. 2,201,671–2; May 21.
Materials, Manufacture of granular coated. J. A. Williamson. 2,201,196; May 21.
Measuring device. J. Reiner. 2,201,546; May 21.
Memorandum pad holder. J. D. Robilotto. 2,201,789; May 21.
Mercury switch. C. N. Wiles. 2,201,602; May 21.
Mercury switch. J. B. Worth. 2,201,754; May 21.
Metal car, Hot. J. D. Pugh. 2,201,920; May 21.
Metal such as pig iron, Decarbonizing a carbon holding. B. M. S. Kalling and I. Rennerfelt. 2,201,900; May 21.
Metal surfaces, Uniting. L. A. Young. 2,201,806; May 21.
Metals, Pickling. M. W. Harman. 2,201,488; May 21.
Metallic reduction process. R. H. Varian. 2,201,460; May 21.
Metallurgical reactions, Effecting reducing. P. Nève. 2,201,738; May 21.
Microlapping machine. H. S. Indge. 2,201,955; May 21.
Mill: *See*—
Colloidal mill. Strip mill.
Milling machine. P. F. Schoen. 2,201,654; May 21.
Mirror, Portable make-up. E. Van Patten. 2,201,251; May 21.
Missile. K. A. Sells. 2,201,246; May 21.
Mixer: *See*—
Rotary mixer.
Modulator and method of modulation, Electronic. R. E. Shelby. 2,201,323; May 21.
Moisture box. L. P. de Give. 2,201,389; May 21.
Mold: *See*—
Burial vault mold.
Mold composition and producing same. V. A. Grodsky. 2,201,366; May 21.
Molding composition from lignin and formaldehyde, Producing. C. W. Scott. 2,201,797; May 21.
Molding support means. A. A. Ladon and F. V. Osborn. 2,201,341; May 21.
Mop holder. T. Johnson. 2,201,732; May 21.
Mote remover for cotton gins, Supplemental. C. E. Tucker. 2,201,933; May 21.
Motor apparatus, Reciprocating fluid. E. R. Stone. 2,201,248; May 21.
Motor vehicle. C. C. Utz. 2,201,250; May 21.
Motor vehicle. C. W. Van Ranst. 2,201,252; May 21.
Mounting: *See*—
Robe rail mounting.
Mounting and the like, Electric translation device. D. K. Wright and F. H. Weston. 2,201,874; May 21.
Mounting device. C. Paulson. 2,201,344; May 21.
Musical instrument, Electrical. B. Helberger. 2,201,232; May 21.
Musical instrument, Wind. E. Z. Hall. 2,201,897; May 21.
Nibbler. H. L. Trautmann. 2,201,599; May 21.
Nozzle adjustment signal, Suction cleaner. E. F. Martinet. 2,201,835; May 21.
Nozzle for flame machining. H. E. Serner. 2,201,960; May 21.
Nut and nut installation, Sheet metal. W. I. Jones. 2,201,401; May 21.
Oil, Compounded lubricating. B. B. Farrington and R. L. Humphreys. 2,201,484; May 21.
Oil flash tester. F. H. Wight. 2,201,708; May 21.
Oil, Lubricating. J. A. Franceway, Jr., and G. H. B. Davis. 2,201,767; May 21.
Oils, Preparing synthetic. J. A. Franceway, Jr., and G. H. B. Davis. 2,201,768; May 21.
Organ, Electric. W. F. Curtis. 2,201,388; May 21.
Ornament. W. C. Protz. 2,201,201; May 21.
Outlet receptacle switch. E. J. Zelt. 2,201,875; May 21.
Outlet valve. V. Willoughby. 2,201,805; May 21.
Oven, Baking. G. Stavrou. 2,201,801; May 21.
Oven, Stabilized tray. A. Haupt. 2,201,231; May 21.
Package. J. W. Little. 2,201,956; May 21.
Package for strip labels. T. Riley. 2,201,921; May 21.
Paperboard container, Bottom fill. D. Bensel. 2,201,332; May 21.
Pattern mechanism for dobby looms. J. A. Talbert and M. Hendrick. 2,201,707; May 21.
Pavement joint. A. E. Brickman and G. A. Gleason. 2,201,824; May 21.
Peeler, Papaya. G. H. Akau. 2,201,514; May 21.
Pen for solid ink, Fountain. A. Balázs. 2,201,421; May 21.
Pen, Fountain. W. E. Houston. 2,201,400; May 21.
Perforating apparatus. K. J. Dollahite. 2,201,481; May 21.
Permanent waving. E. F. Suter and C. Kropacsy. 2,201,458; May 21.
Petroleum plastic, Translucent. A. P. Anderson. 2,201,466; May 21.
Photoflash lamp. R. L. Kreidler. 2,201,294; May 21.
Photographic printing machine. A. J. Child, J. C. Hall, and J. W. Stobart. 2,201,885; May 21.
Photographic processing. G. G. Moreno. 2,201,591; May 21.
Photographs, Producing copies of lenticular color. C. Nordmann. 2,201,740; May 21.
Picture transmitter tube. V. K. Zworykin. 2,201,215; May 21.
Piezoelectric relay, Delay type. D. G. Blattner and L. Vieth. 2,201,879; May 21.
Pilot for aircraft, Hydraulic automatic. B. G. Carlson. 2,201,226; May 21.
Pipe cleaner, Interior. A. Haynes. 2,201,680; May 21.
Pipe coupling. A. Heisterkamp. 2,201,862; May 21.
Pipe coupling. E. A. Miller. 2,201,372; May 21.
Piston. R. H. McCarroll. 2,201,405; May 21.
Piston. J. H. Nicholson. 2,201,739; May 21.
Plain knit ornamented fabric. J. L. Getaz. 2,201,557; May 21.
Plant comprising pressure medium generators working in parallel. J. E. Johansson. 2,201,683; May 21.
Plant comprising two or more pressure medium generators. J. E. Johansson. 2,201,682; May 21.
Planter. A. Groce. 2,201,556; May 21.

Plastic composition. R. Rosen. 2,201,871; May 21.
Plastic-material cutting machine. C. and H. H. Doering, E. W. Anderson, and B. Skoglund. 2,201,391; May 21.
Plate assembly, Surface. A. B. Reich. 2,201,454; May 21.
Plate lock, Automobile license. W. F. A. Buehner. 2,201,519; May 21.
Plow. J. Blue, Jr. 2,201,846; May 21.
Plug: *See*—
Attachment plug.
Polymeric material. W. H. Carothers. 2,201,884; May 21.
Polymeric materials. J. K. Owens and A. G. Scroggie. 2,201,741; May 21.
Polymers of methacrylic acid esters and preparation of the same, Modified. D. A. Fletcher. 2,201,395; May 21.
Pop valve. C. A. Campbell. 2,201,363; May 21.
Powder, Progressive burning smokeless. L. C. Weldin. 2,201,640; May 21.
Power apparatus. W. D. La Mont. 2,201,622; May 21.
Power control apparatus. J. Marsten. 2,201,686; May 21.
Power drive in a winding or other machine, Controlling the. R. M. Johnstone. 2,201,233; May 21.
Power generating station including plural prime movers and operating said station and said prime movers, Hydroelectric steam. W. D. La Mont. 2,201,615; May 21.
Power transmission mechanism. C. E. Kraus. 2,201,670; May 21.
Power transmission mechanism, Variable speed. F. A. Hayes. 2,201,176; May 21.
Pressure arm structure. J. D. Beebe. 2,201,422; May 21.
Pressure regulator. G. Gerson and F. W. Nagel. 2,201,894; May 21.
Printing device. F. S. Rowe. 2,201,302; May 21.
Printing telegraph apparatus. S. S. Auchincloss. 2,201,641; May 21.
Prop and light carrier, Mouth. A. G. Wright. 2,201,331; May 21.
Protective apparatus. K. Heinrich. 2,201,829; May 21.
Protective cover. W. D. Cook and R. W. Thomas. 2,201,521; May 21.
Pulley adjustment device. J. Jacque. 2,201,831; May 21.
Pulp liquor and the product thereof, Concentrating and dialyzing waste. F. K. Daniel. 2,201,812; May 21.
Pulpstone. C. L. Leafe. 2,201,734; May 21.
Racket, Playing. H. W. Hall. 2,201,263; May 21.
Radio receiver circuit arrangement. B. D. H. Tellegen and A. van Weel. 2,201,325; May 21.
Rail bond. K. J. Mosebach. 2,201,497; May 21.
Ratchet action. E. J. Jagler. 2,201,492; May 21.
Ratchet mechanism. O. P. and P. A. Froeschl. 2,201,827; May 21.
Ratchet wrench. A. P. Stone. 2,201,705; May 21.
Ray or beacon course method, Guide. G. Ulbricht. 2,201,565; May 21.
Razor, Electric. L. Scruggs. 2,201,349–50; May 21.
Razor, Safety. J. L. Bronstein. 2,201,951; May 21.
Receptacle and the manner of supporting the same. M. Fuld. 2,201,530; May 21.
Reclining chair. A. Blank. 2,201,964; May 21.
Record element holder. F. L. W. Link. 2,201,589; May 21.
Record material, Mechanism for selectively reproducing, repeating, and charting sound. A. L. Runyan. 2,201,204; May 21.
Recording apparatus. J. Allardt. 2,201,515; May 21.
Recording head. C. Loeb, M. A. Gilman, and C. Anderson. 2,201,735; May 21.
Rectifier for television signals. K. Schlesinger. 2,201,794; May 21.
Reduction gear. I. Short. 2,201,247; May 21.
Reel: *See*—
Fishing line reel.
Refractory block and producing the same, Cast. G. S. Fulcher. 2,201,723; May 21.
Refrigerated case. M. D. MacMaster. 2,201,268; May 21.
Refrigerating apparatus. W. H. Teeter. 2,201,596; May 21.
Refrigeration. H. K. Bergholm. 2,201,362; May 21.
Register. W. L. Paden. 2,201,319; May 21.
Regulator: *See*—
Pressure regulator.
Regulator for coarse and fine regulation, Inductive. R. Baner. 2,201,642; May 21.
Relief valve. W. D. Schanck and G. Cudney. 2,201,837; May 21.
Remote control system. B. W. Jones. 2,201,863; May 21.
Remote control system. G. A. Moffett. 2,201,868; May 21.
Renewable type filter. G. R. McCormick and R. G. Russell. 2,201,628; May 21.
Resin solutions from diethers of dimethylol urea. B. E. Sorenson. 2,201,926; May 21.
Resinous condensation products of methyl vinyl ketone and formaldehyde, and producing same, Modified. K. Vierling and H. Hopff. 2,201,750; May 21.
Respirator. C. A. Ewald. 2,201,690; May 21.
Respirator. W. H. Lehmberg. 2,201,315; May 21.
Rinse tank. J. D. Tierney. 2,201,380; May 21.
Road surfacing. C. V. Hallenbeck. 2,201,534; May 21.
Robe rail mounting. G. L. Tucker. 2,201,327; May 21.
Rod packing. H. C. Bostwick. 2,201,471; May 21.
Roof structure and truss therefor. F. H. Ruppel. 2,201,504; May 21.
Roof with movable sections, Car. W. J. Meyer and T. W. Demarest. 2,201,737; May 21.
Rotary cutter. F. P. Miller. 2,201,495; May 21.
Rotary mixer. E. K. Thomason. 2,201,748; May 21.
Rotary switch. F. D. Bryant and W. R. Young. 2,201,881; May 21.
Rotogravure printing process. A. W. Raby and G. R. Harvey. 2,201,346; May 21.
Sadiron support. B. C. Webster, Jr. 2,201,601; May 21.
Safety control for gas burning appliances. J. H. Grayson. 2,201,398; May 21.
Sander, Hand. D. Epner. 2,201,645; May 21.
Sandwich-making machine, Automatic. H. E. Knaust. 2,201,402; May 21.
Sash, Window. E. K. Geyser. 2,201,577; May 21.
Saw. Angle cutting multiple band. W. B. Turner. 2,201,413; May 21.
Saw shaper. A. M. Ferrari. 2,201,766; May 21.
Scaffolding. G. W. Causey. 2,201,608; May 21.
Scale, Beam. J. H. Gwynne. 2,201,291; May 21.
Scale, Weighing. H. O. Hem. 2,201,368; May 21.
Scanner. S. L. Clothier and H. C. Hogencamp. 2,201,811; May 21.
Scanning drum, Detachable. H. Carlson. 2,201,473; May 21.
Scoop, Change. J. Hardina. 2,201,828; May 21.
Scoop, Ice-cream. H. E. Knaust. 2,201,403; May 21.
Screen for detention windows. L. F. Jullen. 2,201,370; May 21.
Screw spindle relieving device. F. Turrettini. 2,201,934; May 21.
Sealing means for relatively rotatable parts, Double acting. W. V. and W. Czarnecki. 2,201,478; May 21.
Seat construction, Revolvable car. F. E. Van Hoesen. 2,201,839; May 21.
Seat recoil check. E. N. Yantes. 2,201,280; May 21.
Sending and receiving circuit. E. B. Dallin. 2,201,943; May 21.
Separator. C. Arndt. 2,201,282; May 21.
Separator. F. Y. Hutchison. 2,201,137; May 21.
Sewing machine. W. E. Nichols. 2,201,449; May 21.
Sewing machines, Thread cutter for. O. R. Haas. 2,201,969; May 21.
Shaft truing device. J. P. Ferguson. 2,201,664; May 21.
Shake splitting machine. A. W. Hendricks and D. H. Clark. 2,201,815; May 21.
Sheet conveyer. H. T. Backhouse. 2,201,605; May 21.
Sheet feeder. H. T. Backhouse. 2,201,604; May 21.
Sheet feeding apparatus. E. R. Kast. 2,201,539; May 21.
Sheet metal container. M. Schwartz. 2,201,322; May 21.
Sheller, Nut. F. E. Mizera. 2,201,911; May 21.
Shingle. R. R. Mable, Jr. 2,201,442; May 21.
Shingle, Roof. R. T. Perkins. 2,201,917; May 21.
Shock absorbing and load equalizing or stabilizing means. J. W. Morgan. 2,201,912; May 21.
Shoe. W. C. Vizard. 2,201,383; May 21.
Shoe and making same. E. Lalli and O. Castagnola. 2,201,439; May 21.
Shoe and making same, Flexible. W. W. Prue. 2,201,300; May 21.
Shoe repairing machine. N. Jaffe. 2,201,899; May 21.
Short wave apparatus, Ultra. H. O. Peterson. 2,201,199; May 21.
Shortening, Stabilization of. D. P. Grettie. 2,201,692; May 21.
Showcase, Display. L. N. Lucas. 2,201,696; May 21.
Shutter unit, Thermostatically actuated. R. F. Cohn. 2,201,661; May 21.
Signal: *See*—
Cleaner nozzle adjustment signal.
Signal device, Automatic traffic. E. Schnurpfeil. 2,201,795; May 21.
Signal for automobiles, Turn. W. L. Westlund. 2,201,657; May 21.
Signal system, Vehicle. B. L. Parker. 2,201,687; May 21.
Signaling system. F. R. Bridges. 2,201,712; May 21.
Silk, Coloring acetate artificial. W. J. Grubb, C. Shaw, and R. H. Sennett. 2,201,367; May 21.
Skin, hide, and leather working machine. F. Wayland. 2,201,461; May 21.
Slack adjuster, Automatic. B. S. Aikman. 2,201,572; May 21.
Slitting mechanism for box making machines. C. D. Knowlton. 2,201,184; May 21.
Slug casting machine, Typographical. C. A. Albrecht and H. Brandenburg. 2,201,132; May 21.
Snap, Spring wire. E. S. Beckwith. 2,201,360; May 21.
Socket crown, Fluorescent lamp. F. K. Maerz. 2,201,543; May 21.
Socket structure. F. C. De Reamer. 2,201,853; May 21.
Soil cultivating device. C. Brockman. 2,201,758; May 21.
Soil erosion, Preventing. M. S. Willing. 2,201,279; May 21.
Sound head. A. T. Sinclair. 2,201,324; May 21.

Sound in low frequency circuits, Regulation of. H. Pfister. 2,201,563; May 21.
Sound recording and reproducing apparatus. H. C. Grant, Jr. 2,201,614; May 21.
Speed reducing mechanism. H. E. Twomley. 2,201,357; May 21.
Spinning mechanism. O. C. Wilson. 2,201,844; May 21.
Spring stabilizer. F. A. Geb. 2,201,531; May 21.
Stage cementing, Multiple. W. D. Owsley and R. L. Shook. 2,201,299; May 21.
Stand: *See*—
Flatiron stand.
Starter control, Engine. K. F. Douglas. 2,201,393; May 21.
Starter, Engine. J. W. Fitz Gerald. 2,201,432; May 21.
Starter, Engine, O. F. Gottlieb, I. M. Jones, and E. E. Kohls. 2,201,310; May 21.
Steam generating apparatus. W. D. La Mont. 2,201,617; May 21.
Steam generating apparatus. W. D. La Mont. 2,201,626; May 21.
Steam generator. W. D. La Mont. 2,201,618–9; May 21.
Steam, Producing. W. D. La Mont. 2,201,623; May 21.
Steam producing apparatus, High speed. W. D. La Mont. 2,201,620; May 21.
Steam producing process. W. D. La Mont. 2,201,624; May 21.
Steel, alloy. K. T. Berglund. 2,201,425; May 21.
Steering system for aircraft, Automatic. W. G. Harding and R. H. Nisbet. 2,201,174; May 21.
Stencil and making, Top printed. R. A. Dalton. 2,201,953; May 21.
Sterilizer for footwear. S. H. Treinis. 2,201,548; May 21.
Stick chair. P. F. Murtha. 2,201,630; May 21.
Still for re-refining used crankcase oils. W. D. Harris. 2,201,558; May 21.
Stitcher, Tire tread splice. H. C. Bostwick. 2,201,470; May 21.
Stock fitting machine. J. M. Barber. 2,201,283; May 21.
Stoker. R. L. Lindemuth. 2,201,780; May 21.
Stoker, Furnace. M. A. Mayers. 2,201,371; May 21.
Stop, Door. R. L. Sitts. 2,201,594; May 21.
Storage tank. W. E. Joor. 2,201,652; May 21.
Stove. B. B. Kahn and C. J. Hake. 2,201,584; May 21.
Strain relief. C. T. Von Holtz. 2,201,213; May 21.
Stretcher, Collapsible. J. S. Dunn. 2,201,890; May 21.
Strip mill. F. H. Smith and H. A. Stringfellow. 2,201,210; May 21.
Structural members, Manufacture of. R. T. McGee. 2,201,316; May 21.
Strut for cycles and similar vehicles. A. J. E. Rylander. 2,201,922; May 21.
Sucrose bearing materials, Treating impure. W. H. Young. 2,201,419; May 21.
Sulphide, Making zinc. H. A. Depew. 2,201,522; May 21.
Support: *See*—
Bottle support.
Garment support.
Hoist support.
Ironing board and iron support.
Sadiron support.
Support for enameled tanks during firing, Equalizer. E. H. Nilson. 2,201,786; May 21.
Support for shoes, Packing. T. Spencer. 2,201,746; May 21.
Swab, Well. B. E. Parrish. 2,201,451; May 21.
Switch: *See*—
Alarm switch.
Automatic switch.
Electric switch.
Gravity switch.
Mercury switch.
Outlet receptacle switch.
Rotary switch.
Switch for refrigerating apparatus. C. D. Graham. 2,201,769; May 21.
Switching device, Quick. A. Ninnelt. 2,201,498; May 21.
Swivel coupling. J. R. Skoverski. 2,201,352; May 21.
Syrup and making same. J. K. Dale and D. P. Langlois. 2,201,609; May 21.
Table: *See*—
Extension table.
Ironing table.
Tag dispenser, Shipping. H. A. Salzbrenner. 2,201,272; May 21.
Take-off mechanism for match machines. F. Moore. 2,201,343; May 21.
Tampon. J. Stein. 2,201,412; May 21.
Tank: *See*—
Rinse tank.
Storage tank.
Tape, Masking. J. F. Anderson. 2,201,877; May 21.
Tape, Woven. J. A. Hendley. 2,201,772; May 21.
Taping mechanism. L. R. MacLeod. 2,201,238; May 21.
Target and projectile receiver. H. L. Freeman. 2,201,527; May 21.
Tedder for spreading cut grass and the like. M. Neidhart. 2,201,317–8; May 21.
Telegraph call selector and monitoring apparatus. E. F. Norrito. 2,201,561; May 21.
Telephone system. W. W. Carpenter and L. E. Kittredge. 2,201,573; May 21.
Telephone system. A. A. Lundstrom and E. L. Norton. 2,201,296; May 21.
Telephone system, Dial switching. W. Hatton, L. B. Haigh, and L. Kozma. 2,201,551; May 21.
Television communications, Method and system for. T. T. Goldsmith, Jr. 2,201,309; May 21.
Television synchronization, System of. H. R. Lubcke. 2,201,295; May 21.
Television transmission, Method and system for. S. L. Clothier and H. C. Hogencamp. 2,201,554; May 21.
Terminal clamp. H. M. Johnson. 2,201,583; May 21.
Testing device. H. O. Hem. 2,201,369; May 21.
Thermometer. S. L. Lane. 2,201,166; May 21.
Thermostat. R. E. Newell. 2,201,375; May 21.
Thioamides and preparing them, Secondary. W. E. Hanford. 2,201,170; May 21.
Thioamides and their preparation, Monomeric polar-substituted. W. E. Hanford. 2,201,171; May 21.
Thiocyanates, Organic. G. H. Coleman and R. W. Sapp. 2,201,157; May 21.
Thiolactams, Preparing. P. S. Pinkney. 2,201,200; May 21.
Thyrite protective device. G. L. Usselman. 2,201,211; May 21.
Tile section, Safety. F. W. Cotterman. 2,201,849; May 21.
Timbre of an electrical musical instrument, Controlling the. W. F. Curtis. 2,201,160; May 21.
Time measuring apparatus. P. J. Simmen. 2,201,704; May 21.
Time recorder. E. G. Streckfuss. 2,201,355; May 21.
Timer. H. D. Behr. 2,201,941; May 21.
Timer for toasters, Mechanical. R. Sardeson. 2,201,456; May 21.
Tire treads, Making vehicle. H. T. Kraft. 2,201,668; May 21.
Tongs. O. H. P. Henry. 2,201,727; May 21.
Tool: *See*—
Boring or drilling tool.
Cutting tool.
Fishing tool.
Honing tool.
Machine tool.
Valve refacing tool.
Tool for oil wells or the like, Fluid taking. S. A. Mullins. 2,201,447; May 21.
Tool retainer. F. P. Forss. 2,201,485; May 21.
Top latching mechanism, Sliding. J. H. Wernig and G. Chutorash. 2,201,330; May 21.
Torque indicating wrench. W. C. Kress. 2,201,234; May 21.
Tower and condenser, Cooling. L. T. Mart. 2,201,834; May 21.
Toy. J. T. Glidewell. 2,201,532; May 21.
Toy. S. Gold. 2,201,486; May 21.
Toy block and puzzle. C. E. Gable. 2,201,724; May 21.
Toy vehicle. S. I. Berger. 2,201,148; May 21.
Toy vehicle. E. W. Meienborn. 2,201,910; May 21.
Toy, Vehicular. D. H. Letourneau and L. W. Finch. 2,201,440; May 21.
Track and carriage for sorting devices. C. C. Casey. 2,201,227; May 21.
Traffic detector. J. L. Barker. 2,201,145–6; May 21.
Train annunciating apparatus. A. E. Dodd. 2,201,718; May 21.
Transmission. K. Y. Cheng. 2,201,847; May 21.
Transmission. O. Hansson. 2,201,264; May 21.
Transmission device. F. V. Waltz. 2,201,600; May 21.
Trap: *See*—
Animal trap.
Traverse mechanism. W. B. Thomas. 2,201,597; May 21.
Tray, Ice. F. P. Keiper. 2,201,585–6; May 21.
Trees from insects, Protecting. G. W. Casteel. 2,201,643; May 21.
Trolley collector for bus bar conduit systems. F. Harvey. 2,201,679; May 21.
Truck, Railway. M. R. Hanna. 2,201,861; May 21.
Truck, Store service. S. N. Goldman. 2,201,533; May 21.
Tube: *See*—
Cathode ray projection tube.
Electron tube.
Expanding vein tube.
Picture transmitter tube.
Tube tester. G. V. Eltgroth. 2,201,764; May 21.
Tuner, stringed instrument. E. Harvey. 2,201,536; May 21.
Tuning device for string instruments. F. J. Nickel, Jr. 2,201,869; May 21.
Two wheeled motor vehicle. J. G. Tingle. 2,201,639; May 21.
Typewriting and like machine. G. K. Howland and O. E. Hultgren. 2,201,775; May 21.
Typing machine. H. C. Jones. 2,201,776; May 21.
Typographical casting machine. R. F. A. Denker. 2,201,336; May 21.
Typographical composing and casting machine. G. P. Kingsbury. 2,201,140; May 21.
Typographical slug casting machine. R. H. Scott, W. F. Gorse, and A. S. Hayward. 2,201,633; May 21.
Undergarment, Infant's. R. M. De Luco. 2,201,662; May 21.
Urea ethers and making same, Methylol. B. E. Sorenson. 2,201,927; May 21.
Utensil, Culinary. W. J. Voelker. 2,201,566; May 21.
Vacuum-tube repeater, Duplex. N. P. Case. 2,201,365; May 21.
Valve: *See*—
Expansion valve.
Outlet valve.
Pop valve.
Relief valve.
Valve. H. S. Ackerman. 2,201,513; May 21.
Valve. A. O. McCollum. 2,201,782; May 21.
Valve arrangement for packers, Equalizing. H. B. Ziegler. 2,201,281; May 21.

Valve converting system, Electric. H. Verse. 2,201,873; May 21.
Valve for dispensing apparatus. T. W. Winberg. 2,201,752; May 21.
Valve for pneumatic hammers, Distributing. C. N. Douglass. 2,201,431; May 21.
Valve gear for reversible reciprocating fluid pressure engines, especially for locomotives. H. J. Lentz. 2,201,907; May 21.
Valve refacing tool. L. Imblum. 2,201,178; May 21.
Valve repeating arrangement, Thermionic. W. S. Percival. 2,201,345; May 21.
Valve with spherical plugs, Rotary plug. L. M. Glen. 2,201,895; May 21.
Vehicle: *See*—
Motor vehicle. Two wheeled motor vehicle.
Toy vehicle.
Vehicle and trailer draft device. C. C. Kitterman. 2,201,141; May 21.
Vehicle construction, Motor. H. A. Soulis. 2,201,353; May 21.
Vehicle wheel, Emergency. E. H. Hill. 2,201,489; May 21.
Vending machine. B. M. Frith and G. E. Gwynne-Craig. 2,201,722; May 21.
Vending machine for refrigerated articles. C. F. Wood. 2,201,464; May 21.
Ventilating device. W. L. Morrison. 2,201,374; May 21.
Ventilating means, Vehicle. A. C. Diehl. 2,201,480; May 21.
Ventilator, Window. S. Hoffer and S. Nosowitz. 2,201,830; May 21.
Visor. G. A. Roberts. 2,201,348; May 21.
Visor. A. J. Schoenheit. 2,201,377–8; May 21.
Volume control for fans. M. S. Kice, Jr. 2,201,437; May 21.
Washing machine. B. L. Lorenzen. 2,201,685; May 21.
Water bag. F. Berger. 2,201,424; May 21.
Water heating arrangement, Hot. R. A. Miller. 2,201,406; May 21.
Water seepage interceptor. A. C. Zimmerman. 2,201,876; May 21.
Wave filter. G. Hässler. 2,201,338; May 21.
Webs, Method and apparatus for manufacturing granular coated. R. L. Melton, R. C. Benner, and H. P. Kirchner. 2,201,194; May 21.
Wedge for securing hammer heads or the like to their shafts. J. Huber. 2,201,681; May 21.
Weir ring and downcomer assembly for distilling columns. T. O. Wentworth. 2,201,949; May 21.
Welt. W. C. Vizard. 2,201,382; May 21.
Wheel: *See*—
Grinding wheel. Vehicle wheel.
Steering wheel.
Wheel suspension, Independent. L. E. Laisne. 2,201,438; May 21.
Window fixture. G. H. Terrell. 2,201,356; May 21.
Window sash fastener. C. O. Sanborn. 2,201,793; May 21.
Wiper, Gauge line. M. H. Bow. 2,201,517; May 21.
Wound clip. J. C. Dawson, Jr. 2,201,610; May 21.
Wrench: *See*—
Ratchet wrench.
Torque indicating wrench.
Wrench. W. Petersen. 2,201,918; May 21.
Wringer. W. L. Kauffman II. 2,201,540–1; May 21.
Wringer. G. W. Wardwell, Jr., and J. I. Arnett. 2,201,842; May 21.
Wringer gear head structure. J. L. Perkins. 2,201,242; May 21.
Xanthate of cellulose glycollic acid. D. C. Ellsworth and F. Schulze. 2,201,663; May 21.
Zirconium compounds, Manufacture of. D. Tyrer. 2,201,508; May 21.
Zodiac reckoner. T. A. Peirce. 2,201,742; May 21.

CLASSIFICATION OF PATENTS

ISSUED MAY 21, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2—	70: 2,201,662	38—	66: 2,201,841	70—	264: 2,201,644	94—	40: 2,201,493	123—	174: 2,201,314	156—	17: 2,201,499
5—	47: 2,201,903		90: 2,201,491		456: 2,201,850		44: 2,201,534		178: 2,201,661		19: 2,201,787
	82: 2,201,890		96: 2,201,601		2,201,851	95—	2: 2,201,487	126—	25: 2,201,756		20: 2,201,804
	360: 2,201,361		107: 2,201,925	72—	101: 2,201,714		5.7: 2,201,346		44: 2,201,913		42: 2,201,887
8—	40: 2,201,367		129: 2,201,701		121: 2,201,341		72: 2,201,511		91: 2,201,386	158—	10: 2,201,501
	74: 2,201,814	40—	2: 2,201,524	73—	2: 2,201,896		88: 2,201,591	127—	30: 2,201,609		27.4: 2,201,960
	123: 2,201,262		21: 2,201,139		60: 2,201,708	97—	55: 2,201,758		46: 2,201,419		28: 2,201,329
10—	86: 2,201,606		125: 2,201,519		53: 2,201,369		110: 2,201,846	128—	13: 2,201,331		2,201,385
12—	4: 2,201,646		132: 2,201,809		330: 2,201,542	98—	2: 2,201,252		127: 2,201,274		99: 2,201,678
	2,201,866	41—	10: 2,201,201		343: 2,201,745		99: 2,201,830		141: 2,201,198		117.1: 2,201,398
	51: 2,201,278		2,201,779		376: 2,201,186	99—	23: 2,201,820		146: 2,201,815	161—	16: 2,201,456
	128: 2,201,746	43—	3: 2,201,164	74—	7: 2,201,310		163: 2,201,692		284: 2,201,255		23: 2,201,941
	142: 2,201,300		17: 2,201,588		2,201,432		176: 2,201,457		285: 2,201,412	164—	28: 2,201,184
	2,201,439		28: 2,201,351		100: 2,201,498	100—	70: 2,201,443		337: 2,201,610		47: 2,201,142
13—	13: 2,201,483		46: 2,201,267		125: 2,201,798	101—	4: 2,201,924		399: 2,201,424		50: 2,201,599
	20: 2,201,580		88: 2,201,307		126: 2,201,264		96: 2,201,355	129—	15: 2,201,227		59: 2,201,135
15—	9: 2,201,835		108: 2,201,643		190.5: 2,201,176		157: 2,201,452		2,201,547		60: 2,201,658
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	104.06: 2,201,680	44—	9: 2,201,553		2,201,600		348: 2,201,942	131—	220: 2,201,526		2,201,581
	104.30: 2,201,733	45—	2: 2,201,948		240: 2,201,288		379: 2,201,302		251: 2,201,771		93: 2,201,582
	147: 2,201,732		7: 2,201,152		260: 2,201,847	102—	24: 2,201,482	132—	14: 2,201,753		99: 2,201,481
	210: 2,201,517	46—	116: 2,201,532		2,201,848		36: 2,201,209		31: 2,201,719	166—	1: 2,201,281
16—	85: 2,201,208		193: 2,201,486		290: 2,201,304	103—	59: 2,201,503		33: 2,201,223		2,201,299
	135: 2,201,490		202: 2,201,910		335: 2,201,970		225: 2,201,451		2,201,458		2,201,433
	157: 2,201,968		214: 2,201,148		2,201,971	105—	133: 2,201,861		2,201,613		2,201,447
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18—	16: 2,201,244		83.1: 2,201,286		422: 2,201,670		354: 2,201,327	133—	14: 2,201,828	167—	87.1: 2,201,929
	47: 2,201,271	50—	23: 2,201,513		449: 2,201,247		377: 2,201,737	135—	5: 2,201,781	170—135.5:	2,201,893
	48: 2,201,741		26: 2,201,894		505: 2,201,656		423: 2,201,778	136—	178: 2,201,275	171—	97: 2,201,898
	57: 2,201,253	51—	43: 2,201,955	75—	33: 2,201,460	106—	1: 2,201,150		2,201,510		119: 2,201,453
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19—	58: 2,201,933		101: 2,201,218	76—	49: 2,201,766		25: 2,201,143		144: 2,201,752		229: 2,201,868
	90: 2,201,303		177: 2,201,420	77—	36: 2,201,934		38: Re.21,454	138—	84: 2,201,936		252: 2,201,699
20—	19: 2,201,635		184.4: 2,201,593		56: 2,201,495		Re.21,455		74: 2,201,409		2,201,845
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	26: 2,201,915		187: 2,201,645	80—	31.1: 2,201,214	107—	1: 2,201,402		183: 2,201,763		329: 2,201,388
	71: 2,201,266		206: 2,201,734		32: 2,201,210		48: 2,201,403		383: 2,201,772	173—	262: 2,201,497
22—	90: Re.21,461		209: 2,201,410	81—	84: 2,201,918		55: 2,201,801	141—	1: 2,201,380		269: 2,201,674
	93: 2,201,906		295: 2,201,196	82—	3: 2,201,183		59: 2,201,231		2,201,729		322: 2,201,213
	188: 2,201,366		298: 2,201,321		40: 2,201,505	108—	7: 2,201,442		2,201,773		328: 2,201,543
23—	24: 2,201,508		309: 2,201,700	83—	8: 2,201,889		8: 2,201,175		2,201,774		2,201,853
	79: 2,201,760	52—	5: 2,201,640	84—	1.20: 2,201,160		23: 2,201,504		7: 2,201,634		332: 2,201,579
	85: 2,201,928	53—	7: Re.21,457		1.27: 2,201,232		24: 2,201,917		9: 2,201,284		361: 2,201,578
	91: 2,201,206		2,201,364		297: 2,201,869		27: 2,201,320	143—	20: 2,201,413	174—	53: 2,201,743
	102: 2,201,423	55—	83: 2,201,240		312: 2,201,536	110—	44: 2,201,241	144—	50: 2,201,343		66: 2,201,919
	135: 2,201,522	56—	372: 2,201,317		375: 2,201,897		45: 2,201,780		193: 2,201,815	175—	41: 2,201,864
	160: 2,201,631		2,201,318	85—	4: 2,201,551	112—	74: 2,201,449	146—	13: 2,201,911		41.5: 2,201,725
	288: 2,201,958	57—	15: 2,201,238		32: 2,201,401		200: 2,201,384		38: 2,201,967		182: 2,201,256
24—	73: 2,201,335		39: 2,201,844	87—	9: 2,201,217		252: 2,201,969		43: 2,201,514		183: 2,201,562
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	205: 2,201,792	59—	95: 2,201,352		2,201,484	114—	68: 2,201,788		11.5: 2,201,555		2,201,852
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	258: 2,201,144		62.6: 2,201,690		2,201,767	120—	42: 2,201,421		16: 2,201,181		294: 2,201,595
25—	130: 2,201,359		97: 2,201,683	88—	14: 2,201,888		49: 2,201,400		2,201,900		2,201,829
	154: 2,201,298		105: 2,201,622		16: 2,201,649		71: 2,201,455		21: 2,201,202		315: 2,201,761
	156: 2,201,777	61—	35: 2,201,279		2,201,689	121—	22: 2,201,431	149—	16: 2,201,461		320: 2,201,879
27—	24: 2,201,749		36: 2,201,459		17: 2,201,886		32: 2,201,485	150—	37: 2,201,757		354: 2,201,966
29—	27: 2,201,173	62—	89: 2,201,411		23: 2,201,606		127: 2,201,907		40: 2,201,833		363: 2,201,873
	53: 2,201,182		2,201,596		24: 2,201,376		157: 2,201,248	151—	24: 2,201,930		366: 2,201,709
	84: 2,201,932		89.5: 2,201,606		2,201,515	122—	235: 2,201,617	152—	220: 2,201,632		2,201,940
	150: 2,201,826		89.6: 2,201,265		2,201,740		2,201,623		233: 2,201,397	176—	2: 2,201,694
30—	41: 2,201,951		103: 2,201,268		2,201,885		2,201,624	153—	1: 2,201,193		32: 2,201,874
	43: 2,201,349		108.5: 2,201,585	90—	1: 2,201,500		2,201,626		2: 2,201,316		122: 2,201,390
	2,201,350		2,201,596		12.5: 2,201,178		250: 2,201,618	154—	2: 2,201,568		124: 2,201,166
31—	20: 2,201,391		119.5: 2,201,362		18: 2,201,654		2,021,619		2,201,576		126: 2,201,717
	2,201,392	64—	9: 2,201,799	91—	39: 2,201,236		2,201,620		9: 2,201,468	177—	329: 2,201,657
	2,201,872	66—	41: 2,201,716		43: 2,201,516		2,201,625		2,201,469		332: 2,201,561
33—	7: Re.21,459		89: 2,201,136		45: 2,201,736		2,201,627		10: 2,201,470		337: 2,201,145
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	181: 2,201,935	68—	19: 2,201,685		2,201,891		2,201,855		46: 2,201,908	178—	5.6: 2,201,309
	204: 2,201,559		262: 2,201,540		2,201,931		18: 2,201,785	155—	85: 2,201,450		2,201,554
34—	26: 2,201,229		2,201,541	70—	2,201,840		33: 2,201,220		96: 2,201,839		6.7: 2,201,473
	2,201,506		2,201,842		2,201,892		2,201,221		117: 2,201,964		2,201,474
35—	26: 2,201,479	69—	1: 2,201,899	92—	27: 2,201,276		75: 2,201,292		150: 2,201,630		7.2: 2,201,215
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1940

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Vitamin preparation. Serial No. 430,706; May 28. Class 6.

Allied Beauty Products Manufacturing Company, Chicago, Ill. Permanent waving machines. Serial No. 430,757; May 28. Class 44.

Allied Beauty Products Manufacturing Company, Chicago, Ill. Machineless permanent waving pads. Serial No. 430,758; May 28. Class 44.

Allore, Isabelle, doing business as Belle Specialty Co., Lake Geneva, Wis. Preparation for the extermination of ants. Serial No. 429,554; May 28. Class 6.

American Gas Machine Company, Inc., Albert Lea, Minn. Gasoline cooking stoves, gasoline lanterns, mantles for gasoline lanterns, etc. Serial No. 427,062; May 28. Class 34.

Amy Manufacturing Co., Inc., Opelousas, La. Hygienic preparation. Serial No. 430,117; May 28. Class 6.

Arnold, Schwinn & Co., Chicago, Ill. Vehicle tires. Serial No. 430,938; May 28. Class 35.

Art-Tex Adhesive Products Inc., New York, N. Y. Ready mixed paint. Serial No. 427,786; May 28. Class 16.

Automatic Products Company, Milwaukee, Wis. Fuel oil pumps for burners. Serial No. 429,160; May 28. Class 23.

Barber, W. H., Company, Minneapolis, Minn. Household insect spray. Serial No. 429,727; May 28. Class 6.

Becker, Philip P., New York, N. Y. Cod fish cakes. Serial No. 428,902; May 28. Class 46.

Belle Specialty Co. (See Allore, Isabelle.)

Bloomer Brewery, Inc., Bloomer, Wis. Ale and beer. Serial No. 430,481; May 28. Class 48.

Borun Bros., Los Angeles, Calif. Almond lotion, astringent, bandoline, etc. Serial No. 424,536; May 28. Class 6.

Bryant, James A., Memphis, Tenn. Game. Serial No. 429,763; May 28. Class 22.

Burton, Frank C., Chicago, Ill. Revolving teeter-tawter. Serial No. 428,679; May 28. Class 22.

Campbell Dairy Machinery Company, Hampshire, Ill. Case and can conveyors, milk can washers, sterilizers, and driers and parts thereof. Serial No. 430,308; May 28. Class 23.

Canova, Marius V., doing business as Canova Rent Book Co., Holyoke, Mass. Record books. Serial No. 429,643; May 28. Class 37.

Carpenter-Morton Company, Boston, Mass. Paints, paint primers, etc. Serial No. 428,640; May 28. Class 16.

Celanese Corporation of America, New York, N. Y. Cosmetic creams, lip sticks, nail polish, etc. Serial No. 430,724; May 28. Class 6.

Clarco System Company. (See Clark, George H.)

Clark, George H., doing business as Clarco System Company, Los Angeles, Calif. Dyes. Serial No. 390,585; May 28. Class 6.

Clayton & Edward. (See Mazilauskas, Edward T.)

Club Razor & Blade Manufacturing Corporation, Newark, N. J. Razor blades. Serial Nos. 430,271–2; May 28. Class 23.

Consolidated Biscuit Company, Incorporated, doing business as Davidson Biscuit Co., Chicago and Mount Vernon, Ill., and Louisville, Ky. Ginger snaps or wafers or cookies. Serial No. 424,841; May 28. Class 46.

Cortland Line Company, Inc., Cortland, N. Y. Fishing lines. Serial No. 430,544; May 28. Class 22.

Davidson Biscuit Co. (See Consolidated Biscuit Company.)

De Noronha Rubber Products Corporation, Woodstown, N. J. Rubbers. Serial No. 429,646; May 28. Class 39.

Diamond Brand Canvas Products Co. (See New York Drop Cloth Mfg. Co., Inc.)

Dow Chemical Company, The, Midland, Mich. Thermoplastic synthetic resins. Serial No. 429,398; May 28. Class 1.

Dyber Oil Co., New York, N. Y. Vegetable and salad oil. Serial No. 424,390; May 28. Class 46.

Earle, Marie, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 430,985; May 28. Class 6.

Eastern Corporation, Brewer, Maine. Bond paper, ledger paper, writing paper, etc. Serial No. 429,474; May 28. Class 37.

Eastman Kodak Company, Rochester, N. Y. Guides and cards. Serial No. 430,072; May 28. Class 26.

Eastman Kodak Company, Rochester, N. Y. Photographic lenses. Serial No. 430,125; May 28. Class 26.

Ellis Coat Co., Inc., Manchester, Conn. Ladies' coats. Serial No. 430,224; May 28. Class 39.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 426,486; May 28. Class 38.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 426,488; May 28. Class 38.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 427,408; May 28. Class 38.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 427,410; May 28. Class 38.

Fairplay Knitting Mills. (See Stoumen, Bernard.)

Ferrell Paint Company, San Diego, Calif. House paint, flat wall paint, porch and floor enamel, etc. Serial No. 423,804; May 28. Class 16.

Firestone Tire & Rubber Company, The, Akron, Ohio. Storage batteries and covers therefor. Serial No. 430,313; May 28. Class 21.

Florida Frostee Machine Co., Miami, Fla. Counter-refrigerator mixers. Serial No. 429,770; May 28. Class 31.

Flying Stories, Inc., New York, N. Y. Periodical. Serial No. 429,812; May 28. Class 38.

Folding Crib Mfg. Co. (See Trembreull, John P.)

Foodcraft Products. (See United Buyers Corporation.)

Formalda Company, Minneapolis, Minn. Liquid deodorant. Serial No. 430,594; May 28. Class 6.

Freedman, Hyman, doing business as The Thymolac Co., Buffalo, N. Y. Antiseptic preparations. Serial No. 429,696; May 28. Class 6.

Gardiner Hall Jr. Co., The, South Willington, Conn., and New York, N. Y. Textile tape. Serial No. 391,757; May 28. Class 40.

General Ceramics Company, New York, N. Y. Lavatories, urinal stalls, kitchen sinks, etc. Serial No. 426,161; May 28. Class 13.

General Electric Company, Schenectady, N. Y. Dynamo electric machines. Serial No. 430,130; May 28. Class 21.

General Motors Corporation, Detroit, Mich. Cleaning or flushing fluid. Serial No. 427,371; May 28. Class 6.

Glamour Cosmetics, Chicago, Ill. Skin balm. Serial No. 426,977; May 28. Class 6.

Globe Knitting Works, Grand Rapids, Mich. Pajamas, sleeping coats and sleeping pants. Serial No. 430,503; May 28. Class 39.

Gonzalez, Augusto C., Manila, P. I. Cut or dressed marble. Serial No. 426,252; May 28. Class 12.

Gray, Julia C., Washington, D. C. Doll. Serial No. 430,181; May 28. Class 22.

Hammond, George U., Co., Inc., New York, N. Y. Water proofing and preserving paste. Serial No. 426,451; May 28. Class 4.

Hathaway, C. F., Co., Waterville, Maine. Outer shirts. Serial No. 429,570; May 28. Class 39.

Hero Mfg. Co., Inc., Middleboro, Mass. Top. Serial No. 430,279; May 28. Class 22.

Holland Gardner, Inc., The, Detroit, Mich. Plant foods. Serial No. 429,442; May 28. Class 10.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Light filters. Serial No. 426,405; May 28. Class 26.

Illinois Canning Company, The, Hoopeston, Ill. Canned beverage. Serial Nos. 430,773–4; May 28. Class 45.

International Harvester Company, Chicago, Ill. Coal. Serial No. 428,554; May 28. Class 1.

International Nickel Company, Inc., The, New York, N. Y. Hot rolled rods, shapes, wire rods, etc. Serial No. 428,917; May 28. Class 14.

International Silver Company, Meriden, Conn. Silverplated flat-ware for table use and the like. Serial No. 429,904; May 28. Class 28.

Italviscosa S. A., Milan, Italy. Artificial thread and yarn, mixed natural and artificial thread and yarn. Serial No. 429,361; May 28. Class 43.

Juilliard, A. D., & Co., Inc., New York, N. Y. Chenille cloth. Serial No. 418,277; May 28. Class 40.

Katz, Ira G., New York, N. Y. Children's hats. Serial No. 429,658; May 28. Class 39.

Kenny, C. D., Company, Baltimore, Md. Tea. Serial No. 430,026; May 28. Class 46.

King Features Syndicate, Inc., New York, N. Y. Newspaper column. Serial No. 430,510; May 28. Class 38.

Kingan & Co. Incorporated, Indianapolis, Ind. Hams. Serial No. 428,563; May 28. Class 46.

Kleinert, I. B., Rubber Company, New York, N. Y. Baby pants. Serial No. 429,815; May 28. Class 39.

Kuble, Solomon A., Huntington, N. Y. Herb laxatives. Serial No. 428,488; May 28. Class 6.

Kuhns, Hayes R., Killbuck, Ohio. Rubber packing. Serial No. 430,136; May 28. Class 35.

La Frenier, Elliott E., Los Angeles, Calif. Porcelain. Serial No. 429,532; May 28. Class 44.

La Maison Products, Inc., Brooklyn, N. Y. Lubricants containing no oils, greases, or graphite. Serial No. 428,961; May 28. Class 6.

Lamson & Sessions Company, The, Cleveland, Ohio. Merchandising cabinets. Serial No. 431,062; May 28. Class 32.

Lanberg, George, New York, N. Y. Lady's handbags and cosmetic bags. Serial No. 429,905; May 28. Class 3.

Larned Sales Company, Detroit, Mich. Maltless beverages, and sirups and extracts. Serial No. 429,943; May 28. Class 45.
Lebow Brothers, Baltimore, Md. Suits, topcoats, and overcoats. Serial No. 430,233; May 28. Class 39.
Lebson, Herman, Chicago, Ill. Bread ingredient. Serial No. 429,660; May 28. Class 46.
Lee Spring Company, Inc., New York, N. Y. Springs. Serial No. 429,708; May 28. Class 13.
Lido Sportswear, Inc., New York, N. Y. Coats, suits, dresses, etc. Serial No. 429,907; May 28. Class 39.
Losee, Joseph S., doing business as Losee Products Company, Hebron, Ill. Electric water heaters. Serial No. 430,238; May 28. Class 21.
Macfadden Publications, Inc., New York, N. Y. Special articles dealing with fashions, fashion accessories, styles, etc. Serial No. 429,411; May 28. Class 38.
Malhak, H., Aktiengesellschaft, Hamburg, Germany. Electrical systems. Serial No. 404,480; May 28. Class 21.
Malhak, H., Aktiengesellschaft, Hamburg, Germany. Eight day clocks for registers, meter clocks, and chronometers. Serial No. 404,571; May 28. Class 27.
Malhak, H., Aktiengesellschaft, Hamburg, Germany. Indicators. Serial No. 404,572; May 28. Class 26.
Massachusetts Knitting Mills, Boston, Jamaica Plain, Mass. Hosiery. Serial No. 429,451; May 28. Class 39.
Mazilauskas, Edward T., doing business as Clayton & Edward, New York, N. Y. Vitamin capsules. Serial No. 430,140; May 28. Class 6.
Meyenberg, J. P., Jr., doing business as J. P. Meyenberg, Jr. Sales Co., Salinas, Calif. Canned milk, fruits, vegetables, etc. Serial No. 428,399; May 28. Class 46.
Michelover, Joseph, Inc., New York, N. Y. Piece goods. Serial No. 427,383; May 28. Class 42.
Mitchell Partnership, Windfall, Ind. Soybean oil meal and hog feed. Serial No. 421,047; May 28. Class 46.
Morelite Company, Inc., New York, N. Y. Reflector arc lamps and parts thereof. Serial No. 427,651; May 28. Class 21.
Morse, Leopold, Company, Boston, Mass. Men's suits. Serial No. 429,906; May 28. Class 39.
Morten Laboratories, Inc., Dallas, Tex. Medicinal preparation. Serial No. 429,948; May 28. Class 6.
Moulton, Bartley, Inc., St. Louis, Mo. Shoes. Serial No. 416,653; May 28. Class 39.
Nachman Spring-Filled Corporation, Chicago, Ill. Mattresses and upholstery units. Serial No. 428,498; May 28. Class 32.
National Distillers Products Corporation, New York, N. Y. Whiskey. Serial No. 430,189; May 28. Class 49.
National Enameling and Stamping Company, Milwaukee, Wis. Automatic electric roaster. Serial No. 430,328; May 28. Class 21.
National Pajama Co., New York, N. Y. Pajamas. Serial No. 429,552; May 28. Class 39.
Nestlé's Milk Products, Inc., New York, N. Y. Coffees, coffee extracts, decaffeinated coffees, etc. Serial No. 427,167; May 28. Class 46.
New York Drop Cloth Mfg. Co., Inc., doing business as Diamond Brand Canvas Products Co., New York, N. Y. Canvas goods. Serial No. 401,675; May 28. Class 50.
Niles, M. S. "Dick", doing business as M. S. "Dick" Niles Co., Weslaco, Tex. Fresh citrus fruit, canned citrus juices, canned papaya nectar, etc. Serial No. 429,533; May 28. Class 46.
Northam Warren Corporation, New York, N. Y. Nail polish. Serial No. 430,965; May 28. Class 6.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. Serial No. 431,076; May 28. Class 49.
Orange Smile Sirup Company, The, doing business as The Smile Sirup Company, St. Louis, Mo. Syrup concentrate, and soft drinks made from such concentrate. Serial No. 430,417; May 28. Class 45.
Ott, Roland E., Portland, Oreg. Door locks. Serial No. 429,487; May 28. Class 25.
Oxygen Medicine Co., The. (See Selleck, G. Harold.)
Parke, Davis & Company, Detroit, Mich. Product in either liquid or solid form. Serial No. 430,795; May 28. Class 6.
Pennzoil Company, The, Los Angeles, Calif. Solvent oil compound. Serial No. 421,615; May 28. Class 15.
Pittsburgh Pipe and Coupling Company, Allison Park, Pa. Metal pipes and pipe fittings. Serial No. 429,952; May 28. Class 13.
Premium Match Corporation, Chicago, Ill. Puzzle games. Serial No. 430,797; May 28. Class 22.
Pressman, J., & Co. Inc., New York, N. Y. Ping pong paddles, ping pong balls, and ping pong nets. Serial No. 430,561; May 28. Class 22.
Pressman, J., & Co. Inc., New York, N. Y. Horse-racing game. Serial No. 430,876; May 28. Class 22.
Purity Paint Products Corporation, Brooklyn, N. Y. Paints, varnishes, paint enamels, etc. Serial No. 427,596; May 28. Class 16.
Rambusch Decorating Company, New York, N. Y. Reflectors for light projectors. Serial No. 429,000; May 28. Class 34.
Reeves Brothers, Inc., New York, N. Y. Cotton piece goods. Serial No. 430,627; May 28. Class 42.
Reid, Murdoch & Co., Chicago, Ill. Cut pickles. Serial No. 429,455; May 28. Class 46.
Revlon Products Corporation, New York, N. Y. Women's hats, belts, gloves, etc. Serial Nos. 430,095–6; May 28. Class 39.
Reyburn Manufacturing Company, Incorporated, The, Philadelphia, Pa. Paper fasteners. Serial No. 409,654; May 28. Class 37.
Rogers, W. Erle, Geneva, N. Y. Game. Serial No. 429,668; May 28. Class 22.
Rokeach, I., and Sons, Inc., Brooklyn, N. Y. Vegetable soup, barley and mushroom soup, green pea soup, etc. Serial Nos. 429,827–8; May 28. Class 46.
Rose-Derry Company, Newton, Mass. Beds, box springs, and mattresses. Serial No. 429,276; May 28. Class 32.
Roux Distributing Co., New York, N. Y. Hair colorings, shampoo tint, hair dye, etc. Serial No. 426,738; May 28. Class 6.
Sage, Peggy, Inc., New York, N. Y. Manicure sets. Serial No. 430,631; May 28. Class 44.
Schering Corporation, Bloomfield, N. J. Medicinal preparation. Serial No. 430,881; May 28. Class 6.
Scientific Oil Compounding Company, Inc., Chicago, Ill. Drying oil for paints and varnishes. Serial No. 427,392; May 28. Class 16.
Sears, Roebuck and Co., Chicago, Ill. Floor and porch enamel, 4-hour enamel, barn paint, etc. Serial No. 426,007; May 28. Class 16.
Selleck, G. Harold, doing business as The Oxygen Medicine Co., Long Island City, N. Y. Medicine. Serial No. 429,830; May 28. Class 6.
Smile Sirup Company, The. (See Orange Smile Sirup Company, The.)
Smith, A. O., Corporation, Milwaukee, Wis. Welding electrodes. Serial Nos. 422,556–7; May 28. Class 14.
Smith, Kenneth, Lenexa, Kans. Golf clubs. Serial No. 431,089; May 28. Class 22.
Speyburn-Glenlivet Distillery Co. Limited, The, Glasgow, Scotland. Scotch whiskey. Serial No. 427,351; May 28. Class 49.
Sports Vogue Inc., New York, N. Y. Misses' and women's apparel. Serial No. 430,102; May 28. Class 39.
Square D Company, Detroit, Mich. Pressure operated electric switches. Serial No. 430,338; May 28. Class 21.
Stacy-Adams Company, Brockton, Mass. Shoes. Serial No. 430,292; May 28. Class 39.
Stephens-Adamson Mfg. Co., Aurora, Ill. Anti-friction bearings and bearing seals. Serial No. 427,092; May 28. Class 23.
Sterling Products Incorporated, Wheeling, W. Va. Preparation for the treatment of acid indigestion, heartburn, sour stomach, etc. Serial No. 429,578; May 28. Class 6.
Stillite Products Limited, London, England. Insulating materials composed of bonded mineral wool. Serial No. 429,671; May 28. Class 12.
Stoumen, Bernard, doing business as Fairplay Knitting Mills, Philadelphia, Pa. Jackets and sweaters. Serial No. 430,103; May 28. Class 39.
Street & Smith Publications, Inc., New York, N. Y. Articles to be published monthly. Serial No. 430,105; May 28. Class 38.
Tecor Company, The, Chicago, Ill. Pads impregnated with a cleansing preparation. Serial No. 429,141; May 28. Class 6.
Teich, Curt, & Company, Inc., Chicago, Ill. Post-cards and pictorial illustrations. Serial No. 426,475; May 28. Class 38.
Tembreull, John P., doing business as Folding Crib Mfg. Co., Portland, Oreg. Folding cribs. Serial No. 428,871; May 28. Class 32.
Thymolac Co., The. (See Freedman, Hyman.)
Tilden, S. G., Incorporated, Brooklyn, N. Y. Brake lining segments. Serial No. 430,980; May 28. Class 35.
Timely Clothes, Incorporated, Rochester, N. Y. Men's clothing. Serial No. 430,046; May 28. Class 39.
Timely Clothes, Incorporated, Rochester, N. Y. Men's clothing. Serial No. 430,049; May 28. Class 39.
Timely Clothes, Incorporated, Rochester, N. Y. Men's clothing. Serial No. 430,110; May 28. Class 39.
Tioga Silk Company Inc., New York, N. Y. Spun fabrics. Serial No. 429,545; May 28. Class 42.
Union Distillers Products Company, The, Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 429,425; May 28. Class 49.
United Buyers Corporation, Chicago, Ill. Tooth picks. Serial No. 430,812; May 28. Class 44.
United Buyers Corporation, doing business as Foodcraft Products, Chicago, Ill. Matches. Serial No. 430,255; May 28. Class 9.
United Drug Company, Boston, Mass. High potency vitamin A B C D E G capsule. Serial Nos. 429,673–4; May 28. Class 6.
Universal Coffee Co., Inc., Long Island City, N. Y. Coffee. Serial No. 430,111; May 28. Class 46.
Val-O-Cain Corporation, The, New York, N. Y. Local anesthetics. Serial No. 429,753; May 28. Class 6.
Vinceliette, Vernon S., Fitchburg, Mass. Needles. Serial No. 430,256; May 28. Class 22.
Virginia Maid Hosiery Mills, Inc., Pulaski, Va. Hosiery. Serial No. 430,296; May 28. Class 39.
Walker Watch Corp., New York, N. Y. Watches and watch cases. Serial No. 429,924; May 28. Class 27.

Whitehead, Charles, doing business as Whitehead Laboratory, Sewaren, N. J. Mosquito repellent. Serial No. 417,733; May 28. Class 6.
Wilson & Co., Inc., Chicago, Ill. Canned comminuted pork meat. Serial No. 428,631; May 28. Class 46.
Youma Co. of America, Inc., Springfield, Mass. Cereal or breakfast food. Serial No. 422,799; May 28. Class 46.
Young Radiator Company, Racine, Wis. Blower and radiator heating units. Serial No. 428,512; May 28. Class 34.
Zephyr American Corporation, New York, N. Y. Automatic touch control telephone number finder for desks. Serial No. 429,152; May 28. Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

A. P. W. Paper Company, Inc., Albany, N. Y. Paper towels. 378,116; May 28; Serial No. 426,321; published Mar. 19, 1940. Class 37.
Abrasive Company, Philadelphia, Pa. Grinding and polishing wheels. 133,888; renewed Aug. 10, 1940.
Acme Chemical Company, Milwaukee, Wis. Floor dressing. 378,180; May 28; Serial No. 427,829; published Mar. 19, 1940. Class 16.
American Crayon Company, The, Sandusky, Ohio. Crayons. 378,145; May 28; Serial No. 427,226; published Mar. 19, 1940. Class 37.
American Paper Exports, Inc., New York, N. Y. Writing, printing, and wrapping papers, etc. 131,398; renewed May 18, 1940.
American Tobacco Company. (See Tobacco Products Corporation, assignor.)
Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure caps. 378,153; May 28; Serial No. 427,328; published Mar. 19, 1940. Class 50.
Anderson Company, The, Gary, Ind. Electrical instrument for indicating the potential of an automotive vehicle storage battery and the potential of the electrical system in an automotive vehicle. 378,123–4; May 28; Serial Nos. 426,681–2; published Mar. 19, 1940. Class 26.
Archer Hosiery Mills, Columbus, Ga. Hosiery. 378,129; May 28; Serial No. 426,876; published Mar. 19, 1940. Class 39.
Arden Farms, Inc., Los Angeles, Calif. Ice cream. 378,093; May 28; Serial No. 421,792; published Mar. 12, 1940. Class 46.
Automatic Products Company, Milwaukee, Wis. Liquid level responsive oil control valves and expansion valves. 378,083; May 28; Serial No. 413,811; published Mar. 19, 1940. Class 13.
Bayer Company, Inc., The, New York, N. Y. Analgesic and antipyretic. 134,891–2; renewed Sept. 21, 1940.
Beautiator Company, The. (See Cohen, M. M.)
Bemis Bro. Bag Company, St. Louis, Mo. Textile piece goods. 378,094; May 28; Serial No. 422,121; published Mar. 19, 1940. Class 42.
Best & Co. Inc., New York, N. Y. Dresses, coats, suits, etc. 378,117; May 28; Serial No. 426,477; published Mar. 19, 1940. Class 39.
Betta Cigarette Roller Co., The, Akron, Ohio. Cigarette roller devices and ashtray. 378,159; May 28; Serial No. 427,494; published Mar. 19, 1940. Class 8.
Bierhaus, John S., assignor to E. Bierhaus & Sons, Vincennes, Ind. Table-syrup. 132,628; renewed June 29, 1940.
Bishop & Company, Los Angeles, Calif., assignor to National Biscuit Company, New York, N. Y. Candies, cocoa, chocolate, etc. 130,639; renewed May 4, 1940.
Bogalusa Turpentine Company, Bogalusa, La., to Gaylord Container Corporation, St. Louis, Mo., successor. Rosin. 130,464; renewed Apr. 27, 1940.
Bon-Ton, Incorporated, Chicago, Ill. Whiskey. 378,120; May 28; Serial No. 426,601; published Mar. 19, 1940. Class 49.
Boorum & Pease Co., New York, to Boorum & Pease Company, Brooklyn, N. Y. Blank books, pads and tablets. 134,895; renewed Sept. 21, 1940.
Brown & Zortman Machinery Company, Pittsburgh, Pa. Machinery and tools and parts thereof. 133,594; renewed Aug. 3, 1940.
Brownstein-Louis Company, Los Angeles, Calif. Men's dress and work shirts. 130,657; renewed May 4, 1940.
Brownstein-Louis Company, Los Angeles, Calif. Overalls. 130,658; renewed May 4, 1940.
Bruce, E. L., Company, Memphis, Tenn. Varnish type floor finish, floor polish, and floor wax. 378,111; May 28; Serial No. 425,877; published Mar. 19, 1940. Class 16.
Bullard Machine Tool Co., The, assignor to The Bullard Company, Bridgeport, Conn. Machine-tools. 135,404; renewed Oct. 12, 1940.
Cadous, Esther, New York, N. Y. Slips, brassières, nightgowns, etc. 378,155; May 28; Serial No. 427,362; published Mar. 19, 1940. Class 39.
Carlson, Elmer G., doing business as Carlson's Hybrid Seed Corn Co., Audubon, Iowa. Hybrid seed corn and other farm seeds. 378,099; May 28; Serial No. 423,022; published Mar. 5, 1940. Class 1.
Chase, E. Ellsworth, Jr., doing business as Chevy Chase Co., San Jose, Calif. Dried fruits, canned fruits, canned vegetables, etc. 378,157; May 28; Serial No. 427,458; published Mar. 19, 1940. Class 46.
Chemical Equipment Company, Chicago, Ill., assignor, by mesne assignments, to Chemical Equipment Corporation, Montpelier, Ind. Spray systems, atomizers, pumps, etc. 135,216; renewed Sept. 28, 1940.
Chevy Chase Co. (See Chase, E. Ellsworth, Jr.)
Chicago Steel Post Company, assignor to Inland Steel Company, Chicago, Ill. Metallic fenceposts. 131,290; renewed May 11, 1940.
Chipman Knitting Mills, Easton, Pa. Hosiery. 130,673; renewed May 4, 1940.
Chipman Knitting Mills, Easton, Pa. Hosiery. 131,066; renewed May 4, 1940.
Chipman Knitting Mills, Easton, Pa. Hosiery. 132,114; renewed June 15, 1940.
Chipman Knitting Mills, Easton, Pa. Hosiery. 132,331–5; renewed June 22, 1940.
Cleveland Brass Manufacturing Company, The, Cleveland, Ohio. Faucets, manually-operable valves, and cocks. 133,614; renewed Aug. 3, 1940.
Cleveland Cliffs Iron Company, The, Cleveland, Ohio. Coal. 378,142–3; May 28; Serial Nos. 427,131–2; published Mar. 19, 1940. Class 1.
Cohen, M. M., doing business as The Beautiator Company, Cleveland, Ohio. Devices used in manicuring, beauty culture, etc. 378,113; May 28; Serial No. 425,984; published Mar. 19, 1940. Class 44.
Collins Company, The, Collinsville, Conn. Plows and edge-tools. 18,524; re-renewed Oct. 14, 1940.
Collis Products Company, Clinton, Iowa, assignor, by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Powdered buttermilk. 130,677; renewed May 4, 1940.
Collis Products Company, Clinton, Iowa, assignor, by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Powdered buttermilk. 134,349; renewed Aug. 31, 1940.
Colordination Group, Inc., New York, N. Y. Coats, suits, dresses, etc. 378,079–82; May 28; Serial Nos. 413,617–20; published Mar. 19, 1940. Class 39.
Corduan Manufacturing Company, Chicago, Ill. Card tables. 378,190; May 28; Serial No. 428,226; published Mar. 19, 1940. Class 32.
Corning Glass Works, assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y. Glass. 130,167; renewed Apr. 13, 1940.
Craddock-Terry Company, assignor to Craddock-Terry Shoe Corporation, Lynchburg, Va. Children's shoes. 135,420; renewed Oct. 12, 1940.
Cranberry Canners, Inc., South Hanson, Mass. Cranberry juice cocktail. 378,109; May 28; Serial No. 425,778; published Mar. 19, 1940. Class 45.
Cranberry Canners, Inc., South Hanson, Mass. Cranberry vines which have been trimmed. 378,121; May 28; Serial No. 426,644; published Mar. 19, 1940. Class 1.
Crawford Papers, Incorporated, Cohoes, N. Y. Paper. 378,105; May 28; Serial No. 424,904; published Mar. 19, 1940. Class 37.
Crocker, Burbank & Co., Ass'cn., Fitchburg, Mass. Book paper and label paper. 378,146; May 28; Serial No. 427,231; published Mar. 19, 1940. Class 37.
Crocker, Burbank & Co., Ass'cn., Fitchburg, Mass. Book paper. 378,147; May 28; Serial No. 427,232; published Mar. 19, 1940. Class 37.
Crocker, Burbank & Co., Ass'cn., Fitchburg, Mass. Book paper. 378,148; May 28; Serial No. 427,234; published Mar. 19, 1940. Class 37.
Crown Overall Mfg. Co., The, Cincinnati, Ohio. Overalls. 130,690; renewed May 4, 1940.
Crown Products Corporation, San Francisco and Los Angeles, Calif. Vinegar, jams and jellies, fruit preserves, etc. 378,088; May 28; Serial No. 418,966; published Mar. 12, 1940. Class 46.
Diamond Alkali Company, Pittsburgh, Pa. Paint pigment. 378,091; May 28; Serial No. 421,031. Class 16.
Dold, Jacob, Packing Co., assignor to Dold Packing Corporation, Buffalo, N. Y. Lard. 135,428; renewed Oct. 12, 1940.
Dougherty's, J. A., Sons, Inc., Distillers, Philadelphia, Pa. Whiskey. 378,141; May 28; Serial No. 427,098; published Mar. 19, 1940. Class 49.
Dufold Malted Co. (See Hanten, Alphonse J.)
Dvorkin & Okun Co., New York, N. Y. Overcoats, top coats and jackets. 378,166; May 28; Serial No. 427,704; published Mar. 19, 1940. Class 39.
Edlund Company, Burlington, Vt. Can openers, egg beaters, jar openers, etc. 378,212; May 28. Class 23.

Edwards, J., & Co., Philadelphia, Pa. Shoes. 378,095; May 28. Class 39.
Eichmann & Hecht, New York, N. Y. Textile fabrics. 378,125; May 28; Serial No. 426,768; published Mar. 19, 1940. Class 42.
Evans, David G., Coffee Company, St. Louis, Mo. Coffee, tea, spices, etc. 132,935; renewed July 6, 1940.
Evans, Nat, doing business as Nip-N-Tuck Styles, New York, N. Y. Dresses, blouses, skirts, etc. 378,136; May 28; Serial No. 426,966; published Mar. 19, 1940. Class 39.
Everedy Company, The, Frederick, Md. Cooking hollowware. 378,158; May 28; Serial No. 427,464; published Mar. 19, 1940. Class 13.
Fair Maid Undergarment Co., The, assignor to Abraham Krumbein, doing business as The Fair Maid Undergarment Co., New York, N. Y. Children's and misses' undergarments. 134,641; renewed Sept. 14, 1940.
Fink, Anna H., Brooklyn, N. Y. Doughnuts and pies. 378,211; May 28. Class 46.
Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient vehicle tires and tubes. 378,189; May 28; Serial No. 428,189; published Mar. 19, 1940. Class 35.
Firth Carpet Company, New York, N. Y. Carpets, rugs, and fabric floor coverings. 378,182; May 28; Serial No. 428,027; published Mar. 19, 1940. Class 42.
Firth Carpet Company, New York, N. Y. Carpets and rugs. 378,183; May 28; Serial No. 428,028; published Mar. 19, 1940. Class 42.
Firth Carpet Company, New York, N. Y. Carpets and rugs. 378,184–5; May 28; Serial Nos. 428,030–1; published Mar. 19, 1940. Class 42.
Flex-O-Glass Manufacturing Company. (See Warp, Harold.)
Florida Insecticide Company. (See Grossenbacher, John G., assignor.)
Foote & Jenks, Inc., Jackson, Mich. Lemon beverage and sirup and extract for making the same. 378,138; May 28; Serial No. 427,016; published Mar. 19, 1940. Class 45.
Friend Brothers, Inc., Melrose, Mass. Canned puddings, mincemeat, brown bread, etc. 378,149; May 28; Serial No. 427,242; published Mar. 19, 1940. Class 46.
Friz, Carlos A., New York, N. Y. Onyx. 378,214; May 28. Class 1.
Gage Brothers & Company, by merger to Gage Brothers & Company, Chicago, Ill. Ladies' hats. 132,380; renewed June 22, 1940.
Gándara y Haz, Ltda., Vigo, Spain. Fish conserves (tinned fish). 378,162; May 28; Serial No. 427,536; published Mar. 19, 1940. Class 46.
Gaylord Container Corporation. (See Bogalusa Turpentine Company.)
General Aniline & Film Corporation, Binghamton, N. Y. Photographic goods. 378,172–5; May 28; Serial Nos. 427,796–9; published Mar. 19, 1940. Class 26.
General Aniline & Film Corporation, Binghamton, N. Y. Photographic goods. 378,176–9; May 28; Serial Nos. 427,801–4; published Mar. 19, 1940. Class 26.
General Foods Corporation. (See Towle Syrup Company, The, assignor.)
Gimbel Brothers, Inc., New York, N. Y. Gloves, hats, jackets, etc. 378,217; May 28. Class 39.
Glemby, S., Inc., assignor, by mesne assignments, to The Glemby Company, Inc., New York, N. Y. Hair-nets. 133,672; renewed Aug. 3, 1940.
Glemby, S., Inc., assignor, by mesne assignments, to The Glemby Company, Inc., New York, N. Y. Hair-nets. 133,674; renewed Aug. 3, 1940.
Glensder Textile Co., New York, N. Y. Ladies' scarfs and handkerchiefs. 378,100; May 28; Serial No. 423,378; published Dec. 12, 1939. Class 39.
Gluckin Corp., The, New York, N. Y. Brassières. 378,128; May 28; Serial No. 426,857; published Mar. 19, 1940. Class 39.
Goodman, Harry, doing business as Turf Master Co., New York, N. Y. Calculator for turf men and other sports. 378,122; May 28; Serial No. 426,678; published Mar. 19, 1940. Class 26.
Grossenbacher, John G., assignor, by mesne assignments, to Florida Insecticide Company, Apopka, Fla. Insecticides. 131,473; renewed May 18, 1940.
Hall, Jean, Inc. (See Proctor's, Inc.)
Hand Knit Hosiery Co., Sheboygan, Wis. Hosiery, caps, sweaters, etc. 378,171; May 28; Serial No. 427,741; published Mar. 19, 1940. Class 39.
Hansen Manufacturing Company, Inc., Princeton, Ind. Feeding fingers for automatic screw machines. 378,167; May 28; Serial No. 427,707; published Mar. 19, 1940. Class 23.
Hanten, Alphonse J., doing business as Dufold Malted Co., Racine, Wis. Food drink. 378,096; May 28; Serial No. 422,744; published Mar. 19, 1940. Class 46.
Harvey's Fresh Frozen Foods, San Mateo, Calif. Bottled food sauces. 378,213; May 28. Class 46.
Hastings Manufacturing Company, Hastings, Mich. Piston rings. 378,194; May 28; Serial No. 428,314; published Mar. 19, 1940. Class 35.
Hearst Publications, Incorporated. (See Los Angeles Examiner.)
Hecker Co., The, Los Angeles, Calif. Wines. 378,110; May 28; Serial No. 425,825; published Mar. 19, 1940. Class 47.
Hed Bed Company, The. (See Hollander, Sidney, Jr.)
Heineken's on the Zuiderzee, Inc., Brooklyn, N. Y. Beer. 378,209; May 28. Class 48.
Hipsh, Inc., Kansas City, Mo. Neckties. 378,087; May 28; Serial No. 417,648; published Oct. 17, 1939. Class 39.
Hollander, Sidney, Jr., doing business as The Hed Bed Company, Baltimore, Md. Folding stools. 378,201; May 28. Class 32.
Holyoke Heater Company, Holyoke, Mass. Gas and oil hot-water heaters. 135,459; renewed Oct. 12, 1940.
Hoover Suction Sweeper Co., The, assignor to The Hoover Company, North Canton, Ohio. Electric suction-sweepers. 132,170; renewed June 15, 1940.
Hoover Suction Sweeper Company, The, New Berlin, assignor to The Hoover Company, North Canton, Ohio. Electric suction-sweepers. 130,756; renewed May 4, 1940.
Houghton, E. F., & Co., Philadelphia, Pa. Oil compound. 131,777; renewed May 25, 1940.
Hudepohl Brewing Company, The, Cincinnati, Ohio. Ale. 378,108; May 28; Serial No. 425,475; published Mar. 19,1940. Class 48.
Hygienol Company, Inc. (See Levy, Maurice, assignor.)
Ideal Novelty & Toy Co., Long Island City, N. Y. Artificial eyes. 378,154; May 28; Serial No. 427,343; published Mar. 19, 1940. Class 22.
Inland Steel Company. (See Chicago Steel Post Company, assignor.)
International Harvester Company, Chicago, Ill. Rope, cord, twine, etc. 132,974; renewed July 6, 1940.
Italian Swiss Colony, San Francisco, Calif. Brandy. 378,139; May 28; Serial No. 427,077; published Mar. 19, 1940. Class 49.
Johnson, Alfred, Skate Company, The, Chicago, Ill. Ice skates. 378,077; May 28; Serial No. 406,293; published Mar. 19, 1940. Class 22.
Joseph & Feiss Company, The, Cleveland, Ohio. Top coats and overcoats. 378,086; May 28; Serial No. 417,460; published Feb. 6, 1940. Class 39.
Kaylon Inc., New York, N. Y. Pajamas. 378,186; May 28; Serial No. 428,036; published Mar. 19, 1940. Class 39.
Key Manufacturing Company, Fall River, Mass. Oil filters and oil filter cartridges. 378,188; May 28; Serial No. 428,161; published Mar. 19, 1940. Class 31.
Kraft Cheese Company. (See Collis Products Company, assignor.)
Kraft, J. L., & Bros. Co., assignor, by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Cheese of various kinds. 132,723; renewed June 29, 1940.
Kraft, J. L., & Bros. Co., Chicago, Ill., and New York, N. Y., assignor, by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Cheese. 134,008; renewed Aug. 10, 1940.
Krumbein, Abraham. (See Fair Maid Under Garment Co., The, assignor.)
Lawrence, A. C., Leather Company, Peabody, Mass. Shearlings or wool skins. 378,126; May 28; Serial No. 426,775; published Mar. 19, 1940. Class 1.
Lee, H. D., Mercantile Co., The, Salina, Kans., and Kansas City, to The H. D. Lee Mercantile Co., Kansas City, Mo. Wearing-apparel. 130,792; renewed May 4, 1940.
Leto, Frank, & Martin Cohn, Inc., New York, N. Y. Garments. 378,135; May 28; Serial No. 426,953; published Mar. 19, 1940. Class 39.
Levy, Maurice, New York, N. Y., assignor to Hygienol Company, Inc., New Rochelle, N. Y. Paper towels. 135,480; renewed Oct. 12, 1940.
Londontone Co., The, Oklahoma City, Okla. Dress and work shirts, sweaters, pajamas, etc. 378,215; May 28. Class 39.
Long-Bell Lumber Company, The, Kansas City, Mo. Finished and unfinished lumber. 131,913; renewed May 25, 1940.
Los Angeles Examiner, to Hearst Publications, Incorporated, Los Angeles, Calif., successor. Newspaper-sections. 133,457; renewed July 27, 1940.
Lovable Brassiere Company, The, Atlanta, Ga. Brassières. 378,181; May 28; Serial No. 427,898; published Mar. 12, 1940. Class 39.
Macy, R. H., & Co., Inc., New York, N. Y. Women's, misses', and children's dresses. 133,275; renewed July 20, 1940.
Mallinson Fabrics Corporation, New York, N. Y. Textile fabrics. 378,195; May 28; Serial No. 428,318; published Mar. 19, 1940. Class 42.
Martin, William N., Vernon, Tex. Field and garden seeds. 378,074; May 28; Serial No. 399,453; published Mar. 19, 1940. Class 1.
McCurrach Organization Incorporated, New York, N. Y. Men's neckties and mufflers. 378,200; May 28. Class 39.
McGrath, H. J., Company, The, Baltimore, Md. Canned fruits, vegetables, soups, etc. 378,130; May 28; Serial No. 426,890; published Mar. 19, 1940. Class 46.
Melville Shoe Corporation, New York, N. Y. Shoes. 378,102; May 28; Serial No. 424,549; published Mar. 19, 1940. Class 39.

Melville Shoe Corporation, New York, N. Y. Shoes. 378,160; May 28; Serial No. 427,511; published Mar. 5, 1940. Class 39.
Merit Food Co., Inc., Hackensack, N. J. Salad dressing. 378,084; May 28; Serial No. 414,828; published Mar. 14, 1939. Class 46.
Microba Antiseptic Company, The, to Gilbert Moskau, Grand Forks, N. Dak., successor. Antiseptics, medicines, and pharmaceutical preparations. 135,491; renewed Oct. 12, 1940.
Mitchell & Weber, Inc., New York, N. Y. Blouses, dresses, housecoats, etc. 378,156; May 28; Serial No. 427,386; published Mar. 19, 1940. Class 39.
Morrell, John, & Co., Ottumwa, Iowa. Breakfast-bacon. 135,494; renewed Oct. 12, 1940.
Moskau, Gilbert. (See Microba Antiseptic Company, The.)
Nachman Spring-Filled Corporation, Chicago, Ill. Spring units. 378,164; May 28; Serial No. 427,675; published Mar. 19, 1940. Class 32.
National Biscuit Company. (See Bishop & Company, assignor.)
National Biscuit Company. (See York Pretzel Bakery, assignor.)
National Biscuit Company, Jersey City, N. J., and New York, to National Biscuit Company, New York, N. Y. Biscuit. 131,197; renewed May 4, 1940.
National Biscuit Company, Jersey City, N. J., and New York, to National Biscuit Company, New York, N. Y. Biscuit. 132,750; renewed June 29, 1940.
National Biscuit Company, Jersey City, N. J., and New York, to National Biscuit Company, New York, N. Y. Biscuit. 132,752–3; renewed June 29, 1940.
National Cash Register Company, The, assignor to The National Cash Register Company, Dayton, Ohio. Filing-cabinets and parts of such cabinets. 133,291; renewed July 20, 1940.
National Dress Company, St. Louis, Mo. Dresses. 378,196; May 28. Class 39.
Nemanick, R. A., Salinas, Calif. Fresh vegetables and fresh deciduous fruits. 378,163; May 28; Serial No. 427,553; published Mar. 19, 1940. Class 46.
Neumann, R., & Company, Hoboken, N. J. Leather. 378,161; May 28; Serial No. 427,514; published Mar. 19, 1940. Class 1.
New Products Corporation, Benton Harbor, Mich. Gas range connections. 378,127; May 28; Serial No. 426,813; published Mar. 19, 1940. Class 13.
Nip-N-Tuck Styles. (See Evans, Nat.)
Omaha Flour Mills Co., assignor to Omar Incorporated, Omaha, Nebr. Wheat-flour. 134,048–9; renewed Aug. 10, 1940.
Omaha Flour Mills Co., assignor to Omar Incorporated. Omaha, Nebr. Wheat-flour. 134,423; renewed Aug. 31, 1940.
Omar Incorporated. (See Omaha Flour Mills Co., assignor.)
Pacific Citrus Products Co., Ltd., Fullerton, Calif. Fruit punch. 378,132–3; May 28; Serial Nos. 426,932–3; published Mar. 19, 1940. Class 45.
Pacific Mills, Boston, Mass. Rayon piece goods. 378,090; May 28; Serial No. 419,933; published Mar. 19, 1940. Class 42.
Paramount Textile Machinery Co., Kankakee and Chicago, Ill. Apparatus for boarding, blocking or setting the shape of articles made from textile fabric, etc. 378,112; May 28; Serial No. 425,930; published Mar. 19, 1940. Class 23.
Paransky, David, doing business as Star Bedding Company, Pittsburgh, Pa. Mattresses and box springs. 378,119; May 28; Serial No. 426,590; published Mar. 12, 1940. Class 32.
Penn Battery Manufacturing Co., Inc., New York, N. Y. Electric batteries, battery leads, cables, etc. 378,208; May 28. Class 21.
Pepe, Frank, Inc., Waterbury, Conn. Canned vegetables, fruits, fish, etc. 378,107; May 28; Serial No. 425,425; published Mar. 19, 1940. Class 46.
Perez, Marcelino, & Company, New York, N. Y., to Marcelino Perez & Company, Tampa, Fla., successor. Cigars. 130,813; renewed May 4, 1940.
Proctor's, Inc., Seattle, Wash., now by change of name Jean Hall, Inc. Wearing apparel. 378,197; May 28. Class 39.
Purity Mills, Inc., Chicago, Ill. Confections formed of cereals or grains coated with a confection material. 378,118; May 28; Serial No. 426,540; published Mar. 19, 1940. Class 46.
Rainier Products Company, Seattle, Wash., assignor, by mesne assignments, to Rainier Brewing Company, San Francisco, Calif. Birch-beer, root-beer, sarsaparilla, etc. 131,587; renewed May 18, 1940.
Raleigh Cycle Company Limited, The, Nottingham, England. Bicycles and tricycles. 378,078; May 28; Serial No. 412,924; published Mar. 19, 1940. Class 19.
Rehback, Charles W., Orcutt, Calif. Foot actuated trips. 378,131; May 28; Serial No. 426,896; published Mar. 19, 1940. Class 13.
Reliance Manufacturing Company. (See Sterling Manufacturing Company, assignor.)
Robèt Hosiery Co., New York, N. Y. Hosiery. 378,150; May 28; Serial No. 427,259; published Mar. 19, 1940. Class 39.
Robinson & Golluber, New York, N. Y. Handkerchiefs. 135,521; renewed Oct. 12, 1940.
Rockbestos Products Corporation, New Haven, Conn. Insulated electric wires and cables. 378,168; May 28; Serial No. 427,717; published Mar. 19, 1940. Class 21.
Rooney, Marget, New York, N. Y. Outer garments and undergarments. 378,114; May 28; Serial No. 426,004; published Mar. 19, 1940. Class 39.
Rotometals, Inc., San Francisco, Calif. Babbitt metal. 378,169; May 28; Serial No. 427,719; published Mar. 19, 1940. Class 14.
Ryan Converting Corp., New York, N. Y. Cotton and rayon piece goods. 378,137; May 28; Serial No. 426,989; published Mar. 19, 1940. Class 42.
Sawyer's, Portland, Oreg. Stereoscopes and transparencies. 378,170; May 28; Serial No. 427,721; published Mar. 19, 1940. Class 26.
Schloss Bros. & Co. Inc., Baltimore, Md. Wearing apparel. 378,199; May 28. Class 39.
Schwartz Manufacturing Company, Two Rivers, Wis. Filter cloths. 378,103; May 28; Serial No. 424,558; published Mar. 19, 1940. Class 31.
Schwartz Manufacturing Company, Two Rivers, Wis. Filter cloths. 378,104; May 28; Serial No. 424,560; published Mar. 19, 1940. Class 31.
Sears, Roebuck and Co., Chicago, Ill. Wool knitting yarn. 131,829; renewed May 25, 1940.
Sensytrol Corporation, Washington, D. C. Electrical power beam apparatus. 378,089; May 28; Serial No. 419,637; published Mar. 19, 1940. Class 21.
Siddall, Leo T., Kansas City, Kans. Toy animal. 378,191; May 28; Serial No. 428,261; published Mar. 19, 1940. Class 22.
Simmons Hardware Company, St. Louis, Mo. Watches. 130,918; renewed May 4, 1940.
Simonson, A., to Leo B. Simonson, New York, N. Y., successor. Certain named toilet preparations. 130,111; renewed Apr. 6, 1940.
Smith, Kenneth, Lenexa, Kans. Golf clubs. 378,192–3; May 28; Serial Nos. 428,263–4; published Mar. 19, 1940. Class 22.
Smith, Nathaniel A., Newton, Mass. Board game. 378,165; May 28; Serial No. 427,682; published Mar. 19, 1940. Class 22.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Cleaning cloths, polishing cloths, rubber cleaning sponges, etc. 378,144; May 28; Serial No. 427,174; published Mar. 19, 1940. Class 29.
Spalding Sales Corporation, Chicopee, Mass. Golf clubs. 378,106; May 28; Serial No. 425,370; published Mar. 19, 1940. Class 22.
Star Bedding Company. (See Paransky, David.)
Stein, A., & Company, Chicago, Ill. Garters, hose-supporters, and arm-bands. 130,238; renewed Apr. 13, 1940.
Sterling Manufacturing Company, assignor, by mesne assignments, to Reliance Manufacturing Company, Chicago, Ill. House or apron dresses. 133,046; renewed July 6, 1940.
Stitt & Howell, Inc., New York, N. Y. Rugs. 378,187; May 28; Serial No. 428,060; published Mar. 19, 1940. Class 42.
Syncromatic Air Conditioning Corporation, Milwaukee, Wis. Air conditioning apparatus. 378,073; May 28; Serial No. 371,275; published Dec. 31, 1935. Class 34.
Thebest Mills Co., New York, N. Y. Sweaters. 378,098; May 28; Serial No. 423,012; published Dec. 5, 1939. Class 39.
Thompson, John R., Co., Chicago, Ill. Foods and ingredients of food. 132,835; renewed June 29, 1940.
Thompson, John R., Co., Chicago, Ill. Bread. 134,103; renewed Aug. 10, 1940.
Tobacco Products Corporation, assignor, by mesne assignments, to The American Tobacco Company, New York, N. Y. Cigarettes. 133,331; renewed July 20, 1940.
Towle Syrup Company, The, St. Paul, Minn., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Maple sirup. 17,812; re-renewed Apr. 22, 1940.
Truax-Traer Coal Company, Chicago, Ill. Coal. 378,134; May 28; Serial No. 426,936; published Mar. 19, 1940. Class 1.
Trumbull Electric Manufacturing Company, The, Plainville, Conn. Electric switches, panelboards, circuit breakers, etc. 378,097; May 28; Serial No. 422,872; published Mar. 19, 1940. Class 21.
Turf Master Co. (See Goodman, Harry.)
U. S. Expansion Bolt Co., York, Pa. Expansion shields. 378,216; May 28. Class 13.
United States Rubber Company, New York, N. Y. Friction and rubber tape combined. 378,085; May 28; Serial No. 417,189; published Mar. 19, 1940. Class 21.
Velveray Corporation, New York, N. Y. Textile fabrics. 378,075; May 28; Serial No. 399,910; published Mar. 1, 1938. Class 42.
Vitamin Beverage Corporation, Dover, Del. Beverages and fluid concentrates therefor. 378,151; May 28; Serial No. 427,320; published Mar. 19, 1940. Class 45.
Walton Laboratories, Incorporated, Irvington, N. J. Humidifiers. 378,198; May 28. Class 34.
Warp, Harold, doing business as Flex-O-Glass Manufacturing Company, Chicago, Ill. Transparent, waterproof cloth. 378,101; May 28; Serial No. 423,516; published Mar. 19, 1940. Class 50.

Wayne County Produce Co., The, New York, N. Y. Cider, apple juice and grape juice. 378,076; May 28; Serial No. 402,615; published Mar. 19, 1940. Class 45.
Weber and Heilbroner, Inc., New York, N. Y. Suits, slacks, shirts, etc. 378,092; May 28; Serial No. 421,589; published Sept. 19, 1939. Class 39.
Weis Pure Food Stores, Sunbury, Pa. Canned vegetables. 378,140; May 28; Serial No. 427,096; published Mar. 19, 1940. Class 46.
Wellman, Peck & Co., San Francisco, Calif. Foods and ingredients of foods. 131,386; renewed May 11, 1940.
White River Paper Mills, Inc., Indianapolis, Ind. Drinking straws. 378,115; May 28; Serial No. 426,077; published Mar. 19, 1940. Class 50.
White Stokes Co. Inc. assignor to White-Stokes Company, Inc., Chicago, Ill. Icings and toppings. 130,992; renewed May 4, 1940.
Whittier Citrus Association, Whittier, Calif. Fresh citrus fruit. 378,210; May 28. Class 46.
Wilson, Frank M., Company, San Francisco, Calif. Canned fruits and canned vegetables. 378,152; May 28; Serial No. 427,321; published Mar. 12, 1940. Class 46.
Woodruff, F. H., & Sons, Inc., Milford, Conn. Lawn seed mixtures. 378,202–3; May 28. Class 1.
Woodruff, F. H., & Sons, Inc., Milford, Conn. Lawn seed. 378,204; May 28. Class 1.
Woodruff, F. H., & Sons, Inc., Milford, Conn. Lawn seed mixtures. 378,205–7; May 28. Class 1.
York Pretzel Bakery, York, Pa., assignor to National Biscuit Company, New York, N. Y. Pretzels, cakes, crackers, etc. 131,007; renewed May 4, 1940.

LIST OF REGISTRANTS OF LABELS

Bethuhl Brewing Co., Bethlehem, Pa. Dibb's. For Beer. 54,783; May 28.
Bird & Son, Inc., East Walpole, Mass. Sewanee. For Cartons. 54,784; May 28.
Clayton, A. C., Printing Company, St. Louis, Mo. Shoe Cleaner. For Footwear. 54,785; May 28.
Colonial Works, Brooklyn, N. Y. Colonial Barn & Silo Paint. For a Barn and Silo Paint. 54,786; May 28.
Dairycrest Ice Cream. (See Gorton Ice Cream Company.)
Davidson, Abe, doing business as Magic Cream Co., New York, N. Y. Davidson's Anti-itch Cream. For an Anti-itch Cream. 54,787; May 28.
Diamond Boiler Service Division of Diamond Chemical Products, New York, N. Y. Flush the Scientific Boiler Cleaning Compound. For a Boiler Cleaning Compound. 54,788; May 28.
Dudenhoefer, Joseph Co., Milwaukee, Wis. Dudenhoefer American May Wine. For May Wine. 54,789; May 28.
Edelman, George, Co., New York, N. Y. Phyl-Ann. For Hair Nets. 54,790; May 28.
Funmasters Corp., New York, N. Y. The Wordmaster Game. For a Game. 54,791; May 28.
Gefilte Fish Packing Inc., Boston, Mass. Gefilte-Fish. For Canned Fish. 54,792; May 28.
Gorton Ice Cream Company, doing business as Dairycrest Ice Cream, Woodbridge, N. J. For Ice Cream. 54,793; May 28.
Green Bay Food Company, Green Bay, Wis. Ol' Fashun Family Style Noodle Soup. For Noodle Soup Mixture. 54,794; May 28.
Hance Brothers and White Co., Philadelphia, Pa. Gas-Oda. For an Antacid. 54,795; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Armand Footwear. For Boxes. 54,796; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Breezees. For Boxes. 54,797; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Enterprise Stores. For Boxes. 54,798; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Feather Arch Shoes. For Boxes. 54,799; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Flexible Compo Welts. For Boxes. 54,800; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Hiawatha Indian Moccains. For Boxes. 54,801; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Lady Elinor. For Boxes. 54,802; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Lady Rita. For Boxes. 54,803; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Mary Ann. For Boxes. 54,804; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Nancy Lee. For Boxes. 54,805; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Opera Star. For Boxes. 54,806; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Pair-O-Pals. For Boxes. 54,807; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Paul's. For Boxes. 54,808; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Styled by Clarice. For Boxes. 54,809; May 28.
Hoague-Sprague Corporation, Lynn, Mass. They See the Box First. For Boxes. 54,810–11; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Trojan Trampers. For Boxes. 54,812; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Utility Comfort Shoes. For Boxes. 54,813; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Wa-Hoo-Mocs. For Boxes. 54,814; May 28.
Hoague-Sprague Corporation, Lynn, Mass. Whitney's. For Boxes. 54,815; May 28.
Hoague-Sprague Corporation, Lynn, Mass. "Miami" Knockabouts. For Boxes. 54,816; May 28.
Hoffman, David, doing business as Hoffman Studios, New York, N. Y. "Dog-On" Matches. For Matches. 54,817; May 28.
Hula-Lei Limited, Honolulu, Hawaii. Ala Kapu Perfume. For Perfume. 54,818; May 28.
Hula-Lei Limited, Honolulu, Hawaii. Hala Perfume. For Perfume. 54,819; May 28.
Hula-Lei Limited, Honolulu, Hawaii. Ipo Perfume. For Perfume. 54,820; May 28.
Hula-Lei Limited, Honolulu, Hawaii. Kolohe Perfume. For Perfume. 54,821; May 28.
Hula-Lei Limited, Honolulu, Hawaii. Nani Perfume. For Perfume. 54,822; May 28.
Hula-Lei Limited, Honolulu, Hawaii. Pualani Perfume. For Perfume. 54,823; May 28.
J. & S. Pharmacal Company. (See Schoenbechler, Lawrence J.)
Kircher, Wm., doing business as North Hollywood Egg Farms, North Hollywood, Calif. Henny Penny Eggs. For Eggs. 54,824; May 28.
Magic Cream Co. (See Davidson, Abe.)
Meyer, Frank C., Co. Inc., New York, N. Y. Lord & Taylor. For Footwear. 54,825; May 28.
Morten Laboratories, Inc., Dallas, Tex. Bellapadrin with Aspirin. For Capsules to Aid in Relieving Nasal Blockage, Sneezing and Headaches. 54,826; May 28.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Dawn Fresh. For Frosted Fish Fillets. 54,827; May 28.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Dawn Fresh. For Green Lima Beans. 54,828; May 28.
New England Bakery, Pawtucket, R. I. That Good Bread. For Bread. 54,829–30; May 28.
North Hollywood Egg Farms. (See Kircher, Wm.)
Pennsylvania Distilling Co., Inc., Philadelphia, Pa. Grand Time. For Straight Bourbon Whiskey. 54,831; May 28.
Pilser Brewing Company, Inc., New York, N. Y. Extra Dry Pilsener Beer. For Beer. 54,832; May 28.
Rogers Brothers Seed Company, Inc., Chicago, Ill. Rogers Idaho Potato Shreds. For Potato Shreds for Making Mashed Potato. 54,833; May 28.
Ryan Milling Company, Buffalo, N. Y. Agarin Bread. For Bread. 54,834; May 28.
Ryan Milling Company, Buffalo, N. Y. Agarin Flour Mixture. For a Flour Mixture. 54,835; May 28.
Schafer, George,-H. C. Pfaff Cigar Company, Baltimore, Md. El Poderso. For Cigars. 54,836; May 28.
Schoenbechler, Lawrence J., doing business as J. & S. Pharmacal Company, Ormo, Wis. Nov-Ora Mouth Wash. For a Mouth Wash. 54,837; May 28.
Silver Cup Beverage Company, Chicago, Ill. Silver Cup Draft Root Beer. For Draft Root Beer. 54,838; May 28.
Standard Brands Incorporated, New York, N. Y. Tender Leaf. For Tea Balls. 54,839–40; May 28.
Swanson Manufacturing Company, Chicago, Ill. Koin Kaddy. For Coin Purses. 54,841; May 28.
Thomas, Francis S., Trenton, Mich. Hindu Magic Transfer Paste. For Paste. 54,842; May 28.
Tobacco By-Products & Chemical Corporation (Incorporated), Louisville, Ky. "Black Leaf" Worm Pellets. For a Scientifically Prepared Dry Compound of Nicotine that is both Tasteless and Odorless for Control of Poultry Roundworm (Ascaridia Lineata). 54,843; May 28.
Tobacco By-Products & Chemical Corporation Incorporated, Louisville, Ky. Mash-Nic. For Nicotized Powder for Use in Flock Feeds for Control of Roundworm. (Acardidia Lineata). 54,844; May 28.
Tobacco By-Products & Chemical Corporation (Incorporated), Louisville, Ky. Nico-Fume Tobacco-Paper Insecticide. For Tobacco-Paper Insecticide for Fumigating Greenhouses. 54,845–6; May 28.
Tovar Corporation, The, St. Petersburg, Fla. Tovar. For Varnish. 54,847–50; May 28.
Union Oil Company of California, Los Angeles, Calif. Union Stop-Freeze. For an Anti-Freeze Compound. 54,853; May 28.
U. S. Alaska Herring Co., Inc., Chicago, Ill. Carmel Brand Kosher Brick Cheese. For Brick Cheese. 54,851; May 28.

U. S. Alaska Herring Co., Inc., Chicago, Ill. Carmel Brand Kosher Muenster Cheese. For Cheese. 54,852; May 28.
Vogt, F. G., & Sons, Incorporated, Philadelphia, Pa. Vogt's Jellied Pig's Feet. For Jellied Pig's Feet. 54,854; May 28.
Ward Baking Company, New York, N. Y. Ward's Golden Pound Cake. For Pound Cake. 54,855; May 28.
Ward Baking Company, New York, N. Y. Ward's Raisin Pound Cake. For Raisin Pound Cake. 54,856; May 28.
Waxide Paper Company, Kansas City, Mo. ½ White ½ Wheat Sliced Bread. For Half White and Half Wheat Bread. 54,857; May 28.
Waxide Paper Company, Kansas City, Mo. Wheat bread Sliced. For Wheat Bread. 54,858; May 28.

LIST OF REGISTRANTS OF PRINTS

Atlas Novelty Company, Chicago, Ill. A Terrific Scoop. For a Combination Toaster and Jam sets. 17,977; May 28.
Axelrad's Furniture and Carpets, Salt Lake City, Utah. Where you Can Always Shop to Advantage. For Household Furnishings, Lamps, Electrical Appliances, and Household Appliances. 17,978; May 28.
California Fruit Growers Exchange, Los Angeles, Calif. Pure Lemon Juice. For Lemon Juice. 17,979; May 28.
Hampden Brewing Company, Willimansett, Mass. A Perfect Score. For Ale and Beer. 17,980; May 28.
Johnston, Robert A., Company, Milwaukee, Wis. Marble Fudge. For Marble Fudge Ice Cream. 17,981; May 28.
Parker Pen Company, The, Janesville, Wis. Not for Pay but Through Downright Devotion to this Pen. For Pens, Pencils and Ink. 17,982; May 28.
Smallhouse, Albert E., Bakersfield, Calif. Combination-Claret-Punch and Wine Sparkler Dispenser. For Wine Dispensing Units. 17,983; May 28.
Southern Handkerchief Mfg Co., Greenville, S. C. The All American Way to Bigger Sales Slips! For Handkerchiefs. 17,984; May 28.
Southern Handkerchief Mfg. Co., Greenville, S. C. Retail Advertising Cut Service. For Handkerchiefs. 17,985; May 28.
Tasty Baking Company, Philadelphia, Pa. Junior Tastykake. For Cake. 17,986; May 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Cleveland Cliffs Iron Company. 378,142–3; May 28; Serial Nos. 427,131–2; published Mar. 19, 1940.
Coal. Traxx-Traer Coal Company. 378,134; May 28; Serial No. 426,936; published Mar. 19, 1940.
Leather. R. Newmann & Company. 378,161; May 28; Serial No. 427,514; published Mar. 19, 1940.
Onyx. C. A. Friz. 378,214; May 28.
Rosin. Bogalusa Turpentine Company. 130,464; renewed Apr. 27, 1940.
Seed corn and other farm seeds, Hybrid. E. G. Carlson. 378,099; May 28; Serial No. 423,022; published Mar. 5, 1940.
Seed, Lawn. F. H. Woodruff & Sons, Inc. 378,204; May 28.
Seed mixtures, Lawn. F. H. Woodruff & Sons, Inc. 378,202–3; May 28.
Seed mixtures, Lawn. F. H. Woodruff & Sons, Inc. 378,205–7; May 28.
Seeds, Field and garden. W. N. Martin. 378,074; May 28; Serial No. 399,453; published Mar. 19, 1940.
Shearlings or wool skins. A. C. Lawrence. 378,126; May 28; Serial No. 426,775; published Mar. 19, 1940.
Vines which have been trimmed, Cranberry. Cranberry Canners, Inc. 378,121; May 28; Serial No. 426,644; published Mar. 19, 1940.

CLASS 4

Grinding and polishing wheels. Abrasive Company. 133,888; renewed Aug. 10, 1940.

CLASS 6

Analgesic and antipyretic. Bayer Company. 134,891–2; renewed Sept. 21, 1940.
Antiseptic, medicines, and pharmaceutical preparations. Microba Antiseptic Company. 135,491; renewed Oct. 12, 1940.
Insecticides. J. G. Grossenbacher. 131,473; renewed May 18, 1940.
Toilet preparations. Simonson, A. 130,111; renewed Apr. 6, 1940.

CLASS 7

Rope, cord, twine, etc. International Harvester Company. 132,974; renewed July 6, 1940.

CLASS 8

Cigarette roller devices and ashtray. Betta Cigarette Roller Co. 378,159; May 28; Serial No. 427,494; published Mar. 19, 1940.

CLASS 12

Lumber, Finished and unfinished. Long-Bell Lumber Company. 131,913; renewed May 25, 1940.

CLASS 13

Connections, Gas range. New Products Corporation. 378,127; May 28; Serial No. 426,813; published Mar. 19, 1940.
Faucets, Manually-operable valves, and cocks. Cleveland Brass Manufacturing Company. 133,614; renewed Aug. 3, 1940.
Fenceposts, Metallic. Chicago Steel Post Company. 131,290; renewed May 11, 1940.
Hollowware, cooking. Everedy Company. 378,158; May 28; Serial No. 427,464; published Mar. 19, 1940.
Shields, Expansion. U. S. Expansion Bolt Co. 378,216; May 28.
Trips, Foot Actuated. C. W. Rehback. 378,131; May 28; Serial No. 426,896; published Mar. 19, 1940.
Valves and expansion valves, liquid level responsive oil control. Automatic Products Company. 378,083; May 28; Serial No. 413,811; published Mar. 19, 1940.

CLASS 14

Metal, Babbitt. Rotometals, Inc. 378,169; May 28; Serial No. 427,719; published Mar. 19, 1940.

CLASS 15

Oil compound. E. F. Houghton & Co. 131,777; renewed May 25, 1940.

CLASS 16

Dressing, Floor. Acme Chemical Company. 378,180; May 28; Serial No. 427,829; published Mar. 19, 1940.
Floor finish, floor polish, and floor wax, varnish type. E. L. Bruce Company. 378,111; May 28; Serial No. 425,877; published Mar. 19, 1940.
Paint pigment. Diamond Alkali Company. 378,091; May 28; Serial No. 421,031; published Sept. 26, 1939.

CLASS 17

Cigarettes. Tobacco Products Corporation. 133,331; renewed July 20, 1940.
Cigars. Marcelino Perez & Company. 130,813; renewed May 4, 1940.

CLASS 19

Bicycles and tricycles. Raleigh Cycle Company Limited. 378,078; May 28; Serial No. 412,924; published Mar. 19, 1940.

CLASS 21

Batteries, battery leads, cables, etc., Electric. Penn Battery Manufacturing Co. 378,208; May 28.
Electrical power beam apparatus. Sensytrol Corporation. 378,089; May 28; Serial No. 419,637; published Mar. 19, 1940.
Sweepers, Electric suction. Hoover Suction Sweeper Company. 130,756; renewed May 4, 1940.
Sweepers, Electric suction. Hoover Suction Sweeper Co. 132,170; renewed June 15, 1940.
Switches, panelboards, circuit breakers, etc., Electric. Trumbull Electric Manufacturing Company. 378,097; May 28; Serial No. 422,872; published Mar. 19, 1940.
Tape combined, Friction and rubber. United States Rubber Company. 378,085; May 28; Serial No. 417,189; published Mar. 19, 1940.
Wires and cables, Insulated electric. Rockbestos Products Corporation. 378,168; May 28; Serial No. 427,717; published Mar. 19, 1940.

CLASS 22

Eyes, Artificial. Ideal Novelty & Toy Co. 378,154; May 28; Serial No. 427,343; published Mar. 19, 1940.
Game, Board. N. A. Smith. 378,165; May 28; Serial No. 427,682; published Mar. 19, 1940.
Golf clubs. K. Smith. 378,192–3; May 28; Serial Nos. 428,263–4; published Mar. 19, 1940.
Golf clubs. Spalding Sales Corporation. 378,106; May 28; Serial No. 425,370; published Mar. 19, 1940.
Skates, Ice. Alfred Johnson Skate Company. 378,077; May 28; Serial No. 406,293; published Mar. 19, 1940.
Toy animal. L. T. Siddall. 378,191; May 28; Serial No. 428,261; published Mar. 19, 1940.

CLASS 23

Apparatus for boarding, blocking or setting the shape of articles made from textile fabric, etc. Paramount Textile Machinery Co. 378,112; May 28; Serial No. 425,930; published Mar. 19, 1940.
Fingers for automatic screw machines, Feeding. Hansen Manufacturing Company. 378,167; May 28; Serial No. 427,707; published Mar. 19, 1940.
Machine-tools. Bullard Machine Tool Co. 135,404; renewed Oct. 12, 1940.
Machinery and tools and parts thereof. Brown & Zortman Machinery Company. 133,594; renewed Aug. 3, 1940.
Openers, egg beaters, jar openers, etc., Can. Edlund Company. 378,212; May 28.
Plows and edge-tools. Collins Company. 18,524; renewed Oct. 14, 1940.
Spray systems, atomisers, pumps, etc. Chemical Equipment Company. 135,216; renewed Sept. 28, 1940.

CLASS 26

Calculator for turf men and other sports. H. Goodman. 378,122; May 28; Serial No. 426,678; published Mar. 19, 1940.
Electrical instruments for indicating the potential of an automotive vehicle storage battery and the potential of the electrical system in an automotive vehicle. Anderson Company. 378,123–4; May 28; Serial Nos. 426,681–2; published Mar. 19, 1940.
Photographic goods. General Aniline & Film Corporation. 378,172–5; May 28; Serial Nos. 427,796–799; published Mar. 19, 1940.
Photographic goods. General Aniline & Film Corporation. 378,176–9; May 28; Serial Nos. 427,801–4; published Mar. 19, 1940.
Stereoscopes and transparencies. Sawyer's. 378,170; May 28; Serial No. 427,721; published Mar. 19, 1940.

CLASS 27

Watches. Simmons Hardware Company. 130,918; renewed May 4, 1940.

CLASS 29

Cleaning cloths, polishing cloths, rubber cleaning sponges, etc. Socony-Vacuum Oil Company. 378,144; May 28; Serial No. 427,174; published Mar. 19, 1940.

CLASS 31

Filter cloths. Schwartz Manufacturing Company. 378,103; May 28; Serial No. 424,558; published Mar. 19, 1940.
Filter cloths. Schwartz Manufacturing Company. 378,104; May 28; Serial No. 424,560; published Mar. 19, 1940.
Filters and oil filter cartridges, Oil. Key Manufacturing Company. 378,188; May 28; Serial No. 428,161; published Mar. 19, 1940.

CLASS 32

Cabinets and parts of such cabinets, Filing. National Cash Register Company. 133,291; renewed July 20, 1940.
Mattresses and box springs. D. Paransky. 378,119; May 28; Serial No. 426,590; published Mar. 12, 1940.
Spring units. Nachman Spring-Filled Corporation. 378,164; May 28; Serial No. 427,675; published Mar. 19, 1940.
Stools, Folding. S. Hollander, Jr. 378,201; May 28.
Tables, Card. Corduan Manufacturing Company. 378,190; May 28; Serial No. 428,226; published Mar. 19, 1940.

CLASS 33

Glass. Corning Glass Works. 130,167; renewed Apr. 13, 1940.

CLASS 34

Air conditioning apparatus. Syncromatic Air Conditioning Corporation. 378,073; May 28; Serial No. 371,275; published Dec. 31, 1935.
Heaters, Gas and oil hot-water. Holyoke Heater Company. 135,459; renewed Oct. 12, 1940.
Humidifiers. Walton Laboratories, Incorporated. 378,198; May 28.

CLASS 35

Piston rings. Hastings Manufacturing Company. 378,194; May 28; Serial No. 428,314; published Mar. 19, 1940.
Tires and tubes. Firestone Tire & Rubber Company. 378,189; May 28; Serial No. 428,189; published Mar. 19, 1940.

CLASS 37

Books, pads and tablets, Blank. Boorum & Pease Co. 134,895; renewed Sept. 21, 1940.
Crayons. American Crayon Company. 378,145; May 28; Serial No. 427,226; published Mar. 19, 1940.
Paper. Crawford Papers, Incorporated. 378,105; May 28; Serial No. 424,904; published Mar. 19, 1940.
Paper and label paper, Book. Crocker, Burbank & Co., Ass'cn. 378,146; May 28; Serial No. 427,231; published Mar. 19, 1940.
Paper, Book. Crocker, Burbank & Co., Ass'cn. 378,147; May 28; Serial No. 427,232; published Mar. 19, 1940.
Paper, Book. Crocker, Burbank & Co., Ass'cn. 378,148; May 28; Serial No. 427,234; published Mar. 19, 1940.
Paper towels. A. P. W. Paper Company. 378,116; May 28; Serial No. 426,321; published Mar. 19, 1940.
Paper towels. M. Levy. 135,480; renewed Oct. 12, 1940.
Papers, Writing, printing, and wrapping, etc. American Paper Exports, Inc. 131,398; renewed May 18, 1940.

CLASS 38

Newspaper-sections. Los Angeles Examiner. 133,457; renewed July 27, 1940.

CLASS 39

Apparel, Wearing. H. D. Lee Merchantile Co. 130,792; renewed May 4, 1940.
Apparel, Wearing. Proctor's, Inc. 378,197; May 28.
Apparel, Wearing. Schloss Bros. & Co. Inc. 378,199; May 28.
Blouses, dresses, housecoats, etc. Mitchell & Weber, Inc. 378,156; May 28; Serial No. 427,386; published Mar. 19, 1940.
Brassières. Gluckin Corp. 378,128; May 28; Serial No. 426,857; published Mar. 19, 1940.
Brassières. Lovable Brassiere Company. 378,181; May 28; Serial No. 427,898; published Mar. 12, 1940.
Coats and overcoats, Top. Joseph & Feiss Company. 378,086; May 28; Serial No. 417,460; published Feb. 6, 1940.
Coats, suits, dresses, etc. Colordination Group, Inc. 378,079–82; May 28; Serial Nos. 413,617–20; published Mar. 19, 1940.
Dresses. R. H. Macy & Co. 133,275; renewed July 20, 1940.
Dresses. National Dress Company. 378,196; May 28.
Dresses, blouses, skirts, etc. N. Evans. 378,136; May 28; Serial No. 426,966; published Mar. 19, 1940.
Dresses, coats, suits, etc. Best & Co. Inc. 378,117; May 28; Serial No. 426,477.
Dresses, House or apron. Sterling Manufacturing Company. 132,046; renewed July 6, 1940.
Garments. Fank Leto & Martin Cohn, Inc. 378,135; May 28; Serial No. 426,953; published Mar. 19, 1940.
Garments and undergarments, Outer. M. Rooney. 378,114; May 28; Serial No. 426,004; published Mar. 19, 1940.
Garters, hose-supporters, and arm-bands. A. Stein & Company. 130,238; renewed Apr. 13, 1940.
Gloves, hats, jackets, etc. Gimbel Brothers, Inc. 378,217; May 28.
Hats, Ladies'. Gage Brothers & Company. 132,380; renewed June 22, 1940.
Hosiery. Archer Hosiery Mills. 378,129; May 28; Serial No. 426,876; published Mar. 19, 1940.
Hosiery. Chipman Knitting Mills. 130,066; renewed May 4, 1940.
Hosiery. Chipman Knitting Mills. 130,673; renewed May 4, 1940.
Hosiery. Chipman Knitting Mills. 132,114; renewed June 15, 1940.
Hosiery. Chipman Knitting Mills. 132,331–5; renewed June 22, 1940.
Hosiery. Robèt Hosiery Co. 378,150; May 28; Serial No. 427,259; published Mar. 19, 1940.
Hosiery, caps, sweaters, etc. Hand Knit Hosiery Co. 378,171; May 28; Serial No. 427,741; published Mar. 19, 1940.
Neckties. Hipsh, Inc. 378,087; May 28; Serial No. 417,648; published Oct. 17, 1939.
Neckties and mufflers, Men's. McCurrach Organization Incorporated. 378,200; May 28.
Overalls. Brownstein-Louis Company. 130,658; renewed May 4, 1940.
Overalls. Crown Overall Mfg. Co. 130,690; renewed May 4, 1940.
Overcoats, top coats and jackets. Dvorkin & Okun Co. 378,166; May 28; Serial No. 427,704; published Mar. 19, 1940.
Pajamas. Kaylon Inc. 378,186; May 28; Serial No. 428,036; published Mar. 19, 1940.
Scarfs and handkerchiefs, Ladies. Glensder Textile Co. 378,100; May 28; Serial No. 423,378; published Dec. 12, 1939.
Shirts, Men's dress and work. Brownstein-Louis Company. 130,657; renewed May 4, 1940.
Shirts, sweaters, pajamas, etc., Dress and work. Londontone Co. 378,215; May 28.
Shoes. J. Edwards & Co. 378,095; May 28; Serial No. 422,664; published Mar. 19, 1940.
Shoes. Melville Shoe Corporation. 378,102; May 28; Serial No. 424,549; published Mar. 19, 1940.
Shoes. Melville Shoe Corporation. 378,160; May 28; Serial No. 427,511; published Mar. 5, 1940.
Shoes, Children's. Craddock-Terry Company. 135,420; renewed Oct. 12, 1940.
Slips, brassières, nightgowns, etc. E. Cadous. 378,155; May 28; Serial No. 427,362; published Mar. 19, 1940.
Suits, slacks, shirts, etc. Weber and Heilbroner, Inc. 378,092; May 28; Serial No. 421,589; published Sept. 19, 1939.

Sweaters. Thebest Mills Co. 378,098; May 28; Serial No. 423,012; published Dec. 5, 1939.
Undergarments, Children's and misses'. Fair Maid Undergarment Co. 134,641; renewed Sept. 14, 1940.

CLASS 42

Carpets and rugs. Firth Carpet Company. 378,183; May 28; Serial No. 428,028; published Mar. 19, 1940.
Carpets and rugs. Firth Carpet Company. 378,184–5; May 28; Serial Nos. 428,030–1; published Mar. 19, 1940.
Carpets, rugs and fabric floor coverings. Firth Carpet Company. 378,182; May 28; Serial No. 428,027; published Mar. 19, 1940.
Cotton and rayon piece goods. Ryan Converting Corp. 378,137; May 28; Serial No. 426,989; published Mar. 19, 1940.
Fabrics, Textile. Velveray Corporation of America. 378,075; May 28; Serial No. 399,910; published Mar. 1, 1938.
Hair-nets. S. Glemby, Inc. 133,672; renewed Aug. 3, 1940.
Hair-nets. S. Glemby, Inc. 133,674; renewed Aug. 3, 1940.
Handkerchiefs. Robinson & Golluber. 135,521; renewed Oct. 12, 1940.
Rayon piece goods. Pacific Mills. 378,090; May 28; Serial No. 419,933; published Mar. 19, 1940.
Rugs. Stitt & Howell, Inc. 378,187; May 28; Serial No. 428,060; published Mar. 19, 1940.
Textile fabrics. Eichmann & Hecht. 378,125; May 28; Serial No. 426,768; published Mar. 19, 1940.
Textile fabrics. Mallinson Fabrics Corporation. 378,195; May 28; Serial No. 428,318; published Mar. 19, 1940.
Textile piece goods. Bemis Bro. Bag Company. 378,094; May 28; Serial No. 422,121; published Mar. 19, 1940.

CLASS 43

Yarn, Wool knitting. Sears, Roebuck and Co. 131,829; renewed May 25, 1940.

CLASS 44

Devices used in manicuring, beauty culture, etc. M. M. Cohen. 378,113; May 28; Serial No. 425,984; published Mar. 19, 1940.

CLASS 45

Beer, root-beer, sarsaparilla, etc., Birch. Rainier Products Company. 131,587; renewed May 18, 1940.
Beverage and sirup and extract for making the same, Lemon. Foote & Jenks, Inc. 378,138; May 28; Serial No. 427,016; published Mar. 19, 1940.
Beverages and fluid concentrates therefor, Vitamin Beverage Corporation. 378,151; May 28; Serial No. 427,320; published Mar. 19, 1940.
Cider, apple juice and grape juice. Wayne County Produce Co. 378,076; May 28; Serial No. 402,615; published Mar. 19, 1940.
Cocktail, Cranberry juice. Cranberry Canners, Inc. 378,109; May 28; Serial No. 425,778; published Mar. 19, 1940.
Punch, Fruit. Pacific Citrus Products Co. 378,132–3; May 28; Serial Nos. 426,932–3; published Mar. 19, 1940.

CLASS 46

Bacon, Breakfast. John Morrell & Co. 135,494; renewed Oct. 12, 1940.
Biscuit. National Biscuit Company. 131,197; renewed May 4, 1940.
Biscuit. National Biscuit Company. 132,750; renewed June 29, 1940.
Biscuit. National Biscuit Company. 132,752–3; renewed June 29, 1940.
Bread. John R. Thompson Co. 134,103; renewed Aug. 10, 1940.
Buttermilk, Powdered. Collis Products Company. 130,677; renewed May 4, 1940.
Buttermilk, Powdered. Collis Products Company. 134,349; renewed Aug. 31, 1940.
Candies, cocoa, chocolate, etc. Bishop & Company. 130,639; renewed May 4, 1940.
Canned fruits and canned vegetables. Frank M. Wilson Company. 378,152; May 28; Serial No. 427,321; published Mar. 12, 1940.
Canned puddings, mincemeat, brown bread, etc. Friend Brothers, Inc. 378,149; May 28; Serial No. 427,242; published Mar. 19, 1940.
Canned vegetables. Weis Pure Food Stores. 378,140; May 28; Serial No. 427,096; published Mar. 19, 1940.
Canned vegetables, fruits, fish, etc. Frank Pepe, Inc. 378,107; May 28; Serial No. 425,425; published Mar. 19, 1940.
Cheese. J. L. Kraft & Bros. Co. 132,723; renewed June 29, 1940.
Cheese. J. L. Kraft & Bros. Co. 134,008; renewed Aug. 10, 1940.
Coffee, tea, spices, etc. David G. Evans Coffee Company. 132,935; renewed July 6, 1940.
Confections formed of cereals or grains coated with a confection material. Purity Mills, Inc. 378,118; May 28; Serial No. 426,540; published Mar. 19, 1940.
Doughnuts and pies. A. H. Fink. 378,211; May 28.
Fish conserves (tinned fish). Gándara y Haz, Ltda. 378,162; May 28; Serial No. 427,536; published Mar. 19, 1940.
Flour, Wheat. Omaha Flour Mills Co. 134,048–9; renewed Aug. 10, 1940.
Flour, Wheat. Omaha Flour Mills Co. 134,423; renewed Aug. 31, 1940.
Food drink. A. J. Hanten. 378,096; May 28; Serial No. 422,744; published Mar. 19, 1940.
Foods and ingredients of foods. J. B. Thompson Co. 132,835; renewed June 29, 1940.
Foods and ingredients of foods. Wellman, Peck & Co. 131,386; renewed May 11, 1940.
Fruit, Fresh citrus. Whittier Citrus Association. 378,210; May 28.
Fruits, canned fruits, canned vegetables, etc., Dried. E. E. Chase, Jr. 378,157; May 28; Serial No. 427,458; published Mar. 19, 1940.
Fruits, vegetables, soups, etc., Canned. H. J. McGrath Company. 378,130; May 28; Serial No. 426,890; published Mar. 19, 1940.
Ice cream. Arden Farms, Inc. 378,093; May 28; Serial No. 421,792; published Mar. 12, 1940.
Icings and toppings. White Stokes Co. Inc. 130,992; renewed May 4, 1940.
Lard. Jacob Dold Packing Co. 135,428; renewed Oct. 12, 1940.
Pretzels, cakes, crackers, etc. York Pretzel Bakery. 130,007; renewed May 4, 1940.
Salad dressing. Merit Food Co. 378,084; May 28; Serial No. 414,828; published Mar. 14, 1939.
Sauces, Bottled food. Harvey's Fresh Frozen Foods. 378,213; May 28.
Sirup, Maple. Towle Syrup Company. 17,812; re-renewed Apr. 22, 1940.
Syrup, Table. J. S. Bierhaus. 132,628; renewed June 29, 1940.
Vegetables and fresh deciduous fruits, Fresh. R. A. Namanick. 378,163; May 28; Serial No. 427,553; published Mar. 19, 1940.
Vinegar, jams and jellies, fruit preserves, etc. Crown Products Corporation. 378,088; May 28; Serial No. 418,966; published Mar. 12, 1940.

CLASS 47

Wines. Hecker Co. 378,110; May 28; Serial No. 425,825; published Mar. 19, 1940.

CLASS 48

Ale. Hudepohl Brewing Company. 378,108; May 28; Serial No. 425,475; published Mar. 19, 1940.
Beer. Heineken's on the Zuiderzee, Inc. 378,209; May 28.

CLASS 49

Brandy. Italian Swiss Colony. 378,139; May 28; Serial No. 427,077; published Mar. 19, 1940.
Whiskey. Bon-Ton, Incorporated. 378,120; May 28; Serial No. 426,601; published Mar. 19, 1940.
Whiskey. J. A. Dougherty's Sons, Inc. 378,141; May 28; Serial No. 427,098; published Mar. 19, 1940.

CLASS 50

Closure caps. Anchor Cap & Closure Corporation. 378,153; May 28; Serial No. 427,328; published Mar. 19, 1940.
Straws, Drinking. White River Paper Mills, Inc. 378,115; May 28; Serial No. 426,077; published Mar. 19, 1940.
Transparent, waterproof cloth. H. Warp. 378,101; May 28; Serial No. 423,516; published Mar. 19, 1940.

LIST OF LABELS

Agarin Bread. For Bread. Ryan Milling Company. 54,834; May 28.
Agarin Flour Mixture. For a Flour Mixture. Ryan Milling Company. 54,835; May 28.
Ala Kapu Perfume. For Perfume. Hula-Lei Limited. 54,818; May 28.
Armand Footwear. For Boxes. Hoague-Sprague Corporation. 54,796; May 28.
Bellapadrin with Aspirin. For Capsules to Aid in Relieving Nasal Blockage, Sneezing and Headaches. Morten Laboratories, Inc. 54,826; May 28.
"Black Leaf" Worm Pellets. For a Scientifically Prepared Dry Compound of Nicotine That is Both Tasteless and Odorless for Control of Poultry Roundworm (Ascaridia Lineata). Tobacco By-Products & Chemical Corporation (Incorporated). 54,843; May 28.
Breezees. For Boxes. Hoague-Sprague Corporation. 54,797; May 28.
Carmel Brand Kosher Brick Cheese. For Brick Cheese. U. S. Alaska Herring Co. 54,851; May 28.
Carmel Brand Kosher Muenster Cheese. For Cheese. U. S. Alaska Herring Co. 54,852; Mar. 28.

Colonial Barn & Silo Paint. For a Barn and Silo Paint. Colonial Works. 54,786; May 28.
Dairycrest Ice Cream. For Ice Cream. Gorton Ice Cream Company. 54,793; May 28.
Davidson's Anti-itch Cream. For an Anti-itch Cream. A. Davidson. 54,787; May 28.
Dawn Fresh. For Frosted Fish Fillets. National Retailer-Owned Grocers, Inc. 54,827; May 28.
Dawn Fresh. For Green Lima Beans. National Retailer-Owned Grocers, Inc. 54,828; May 28.
Dibb's. For Beer. Bethuhl Brewing Co. 54,783; May 28.
"Dog-On" Matches. For Matches. D. Hoffman. 54,817; May 28.
Dudenhoefer American May Wine. For May Wine. Joseph Dudenhoefer Co. 54,789; May 28.
El Poderso. For Cigars. George Schafer-H. C. Pfaff Cigar Company. 54,836; May 28.
Enterprise Stores. For Boxes. Hoague-Sprague Corporation. 54,798; May 28.
Extra Dry Pilsener Beer. For Beer. Pilser Brewing Company. 54,832; May 28.
Feather Arch Shoes. For Boxes. Hoague-Sprague Corporation. 54,799; May 28.
Flexible Compo Welts. For Boxes. Hoague-Sprague Corporation. 54,800; May 28.
Flush The Scientific Boiler Cleaning Compound. For a Boiler Cleaning Compound. Diamond Boiler Service Division of Diamond Chemical Products. 54,788; May 28.
Gas-Oda. For an Antacid. Hance Brothers and White Co. 54,795; May 28.
Gelfilte-Fish. For Canned Fish. Gefilte Fish Packing Co. Inc. 54,792; May 28.
Grand Time. For Straight Bourbon Whiskey. Pennsylvania Distilling Co. 54,831; May 28.
Hala Perfume. For Perfume. Hula-Lei Limited. 54,819; May 28.
½ White ½ Wheat Sliced Bread. For Half White and Half Wheat Bread. Waxide Paper Company. 54,857; May 28.
Henny Penny Eggs. For Eggs. W. Kircher. 54,824; May 28.
Hiawatha Indian Moccasins. For Boxes. Hoague-Sprague Corporation. 54,801; May 28.
Hindu Magic Transfer Paste. For Paste. F. S. Thomas. 54,842; May 28.
Ipo Perfume. For Perfume. Hula-Lei Limited. 54,820; May 28.
Koin Kaddy. For Coin Purses. Swanson Manufacturing Company. 54,841; May 28.
Kolohe Perfume. For Perfume. Hula-Lei Limited. 54,821; May 28.
Lady Elinor. For Boxes. Hoague-Sprague Corporation. 54,802; May 28.
Lady Rita. For Boxes. Hoague-Sprague Corporation. 54,803; May 28.
Lord & Taylor. For Footwear. Frank C. Meyer Co. Inc. 54,825; May 28.
Mary Ann. For Boxes. Hoague-Sprague Corporation. 54,804; May 28.
Mash-Nic. For Nicotized Powder for Use in Flock Feeds For Control of Roundworm (Ascaridia Lineata). Tobacco By-Products & Chemical Corporation Incorporated. 54,844; May 28.
"Miami" Knockabouts. For Boxes. Hoague-Sprague Corporation. 54,816; May 28.
Nancy Lee. For Boxes. Hoague-Sprague Corporation. 54,805; May 28.
Nani Perfume. For Perfume. Hula-Lei Limited. 54,822; May 28.
Nico-Fume Tobacco-Paper Insecticide. For Tobacco-Paper Insecticide for Fumigating Greenhouses. Tobacco By-Products & Chemical Corporation (Incorporated) 54,845–6; May 28.
Nov-Ora Mouth Wash. For a Mouth Wash. L. J. Schoenbechler. 54,837; May 28.
Ol' Fashun Family Style Noodle Soup. For Noodle Soup Mixture. Green Bay Food Company. 54,794; May 28.
Opera Star. For Boxes. Hoague-Sprague Corporation. 54,806; May 28.
Pair-O-Pals. For Boxes. Hoague-Sprague Corporation. 54,807; May 28.
Paul's. For Boxes. Hoague-Sprague Corporation. 54,808; May 28.
Phyl-Ann. For Hair Nets. George Edelman Co. 54,790; May 28.
Pualani Perfume. For Perfume. Hula-Lei Limited. 54,823; May 28.
Rogers Idaho Potato Shreds. For Potato Shreds for Making Mashed Potato. Rogers Brothers Seed Company. 54,833; May 28.
Sewanee. For Cartons. Bird & Son, Inc. 54,784; May 28.
Shoe cleaner. For Footwear. A. C. Clayton Printing Company. 54,785; May 28.
Silver Cup Draft Root Beer. For Draft Root Beer. Silver Cup Beverage Company. 54,838; May 28.
Styled by Clarice. For Boxes. Hoague-Sprague Corporation. 54,809; May 28.
Tender Leaf. For Tea Balls. Standard Brands Incorporated. 54,839–40; May 28.
That Good Bread. For Bread. New England Bakery. 54,829–30; May 28.
The Wordmaster Game. For a Game. Funmasters Corp. 54,791; May 28.
They see the Box First. For Boxes. Hoague-Sprague Corporation. 54,810–11; May 28.
Tovar. For Varnish. Tovar Corporation. 54,847–50; May 28.
Trojan Trampers. For Boxes. Hoague-Sprague Corporation. 54,812; May 28.
Union Stop-Freeze. For an Anti-Freeze Compound. Union Oil Company of California. 54,853; May 28.
Utility Comfort Shoes. For Boxes. Hoague-Sprague Corporation. 54,813; May 28.
Vogt's Jellied Pig's Feet. For Jellied Pig's Feet. F. G. Vogt & Sons, Incorporated. 54,854; May 28.
Wa-Hoo-Mocs. For Boxes. Hoague-Sprague Corporation. 54,814; May 28.
Ward's Golden Pound Cake. For Pound Cake. Ward Baking Company. 54,855; May 28.
Ward's Raisin Pound Cake. For Raisin Pound Cake. Ward Baking Company. 54,856; May 28.
Wheat Bread Sliced. For Wheat Bread. Waxide Paper Company. 54,858; May 28.
Whitney's. For Boxes. Hoague-Sprague Corporation. 54,815; May 28.

LIST OF PRINTS

A Perfect Score. For Ale and Beer. Hampden Brewing Company. 17,980; May 28.
A Terrific Scoop. For a Combination Toaster and Jam Sets. Atlas Novelty Company. 17,977; May 28.
Combination-Claret-Punch and Wine Sparkler Dispenser. For Wine Dispensing Units. A. E. Smallhouse. 17,983; May 28.
Junior Tastykake. For Cake. Tasty Baking Company. 17,986; May 28.
Marble Fudge. For Marble Fudge Ice Cream. Robert A. Johnston Company. 17,981; May 28.
Not for Pay But Through Downright Devotion to this Pen. For Pens, Pencils and Ink. Parker Pen Company. 17,982; May 28.
Pure Lemon Juice. For Lemon Juice. California Fruit Growers Exchange. 17,979; May 28.
Retail Advertising Cut Service. For Handkerchiefs. Southern Handkerchief Mfg. Co. 17,985; May 28.
The All American Way to Bigger Sales Slips! For Handkerchiefs. Southern Handkerchief Mfg. Co. 17,984; May 28.
Where You Can Always Shop to Advantage. For Household Furnishings, Lamps, Electrical Appliances, and Household Appliances. Axelrad's Furniture and Carpets. 17,978; May 28.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Andres, Lloyd J., Chicago, Ill. Remote control device. Re. 21,462; May 28.
Consolidated Fiber Products, Limited. (See Patterson, David E., assignor.)
Cortland Line Company. (See Whyte, William C., assignor.)
Foster, Robert B., assignor to J. B. Smiley, Los Angeles, Calif. Control apparatus for radio receiving sets. Re. 21,463; May 28.
Grosse, Aristid V. (See Morrell, J. C., and Grosse.)
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. Re. 21,464; May 28.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. Re. 21,466; May 28.
Morrell, Jacque C., and A. V. Grosse, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. Re. 21,465; May 28.
Morrell, Jacque C., and A. V. Grosse, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. Re. 21,467; May 28.
Patterson, David E., Philadelphia, Pa., assignor to Consolidated Fibre Products, Limited. Fiber separating machine. Re. 21,468; May 28.
Smiley, John B. (See Foster, Robert B., assignor.)
Southern Steel Company. (See White, Loyd J., assignor.)
Stein, Elisabeth. (See Stein, Paul.)
Stein, Paul, deceased, Moser, by E. Stein, Moser, near Magdeburg, Germany, heir. Jet pipe for fire extinguishing purposes with a widening mouthpiece. Re. 21,469; May 28.
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Oil Products Company. (See Morrell, J. C., and Grosse, assignors.)
White, Loyd J., San Antonio, Tex., assignor to Southern Steel Company. Storage and dispensing apparatus for liquefied gas. Re. 21,470; May 28.
Whyte, William C., assignor to Cortland Line Company, Inc., Cortland, N. Y. Coloring of bent wood products. Re. 21,471; May 28.

LIST OF DESIGN PATENTEES

American Can Company. (See Trevisan, Louis A., assignor.)
American Type Founders, Inc. (See Tammen, Glenn W., assignor.)
Appel, Robert. (See Kuhlman, Florence, assignor.)
Arcularius, Charles Du B., New Canaan, Conn. Cuff link. 120,722; May 28.
Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Combined globe and panel for lighting fixtures. 120,772; May 28.
Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Combined globe and panel for lighting fixtures. 120,773; May 28.
Armstrong Cork Company. (See Ireys, Meredith S., assignor.)
Babs Creations, Inc. (See Ogden, Bertha H., assignor.)
Benioff, Fred, San Francisco, Calif. Font of type. 120,774; May 28.
Berkman, Meyer, Mount Vernon, assignor to The Service Boot & Legging Co., Inc., New York, N. Y. Shoe. 120,796; May 28.
Bird & Son, Inc. (See Chevers, Melvin V., assignor.)
Birnbaum, Sol, New York, N. Y. Cap member for a detachable fastener or the like. 120,723; May 28.
Birnbaum, Morris, New York, N. Y. Dress. 120,822; May 28.
Birnbaum, Morris, New York, N. Y. Dress. 120,823; May 28.
Boe, Carsten F., Wilmington, Del. Apparatus for spraying atomized liquids. 120,797; May 28.
Brecher, Irving, Brooklyn, N. Y. Textile fabric. 120,775; May 28.
Brodsky, Samuel, Brooklyn, N. Y. Combined memorandum pad, pencil, and receptacle therefor. 120,724; May 28.
Brown Company. (See Houghton, Harry E., assignor.)
Buck, Frederick W., Washington, D. C. Playing card. 120,830; May 28.
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille unit. 120,747; May 28.
California Perfume Company. (See Higgins, Frank E., assignor.)
Callaway, William C., Pasadena, Calif. Vacation house. 120,776; May 28.
Carragher, Hugh J., and T. B. Wilson, Brooklyn, assignors to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 120,748; May 28.
Carragher, Hugh J., and T. B. Wilson, Brooklyn, assignors to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 120,798; May 28.
Carragher, Hugh J., and T. B. Wilson, Brooklyn, assignors to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 120,799; May 28.
Carragher, Hugh J., and T. B. Wilson, Brooklyn, assignors to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 120,800; May 28.
Carragher, Hugh J., and T. B. Wilson, Brooklyn, assignors to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 120,801; May 28.
Carragher, Hugh J., and T. B. Wilson, Brooklyn, assignors to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 120,802; May 28.
Char, Kwai Sin. (See Singer, Henry, assignor.)
Chevers, Melvin V., North Attleboro, assignor to Bird & Son, Inc., East Walpole, Mass. Rug. 120,831; May 28.
Chrysler Corporation. (See Cadwallader, Robert, assignor.)
Cleveland Welding Company, The. (See Krans, Harry W., assignor.)
Corbett, William J., assignor to The Sparks-Withington Company, Jackson, Mich. Signaling device. 120,749; May 28.
Cronwell, Bert G., San Francisco, Calif. Desk unit. 120,725; May 28.
Cummings, Israel, New York, N. Y. Textile fabric. 120,777; May 28.
Cummings, Israel, New York, N. Y. Textile fabric. 120,778; May 28.
Daché, Lilly, New York, N. Y. Hat. 120,803; May 28.
Delphos Bending Company, The. (See Peltier, Leslie, assignor.)
De Pasquale, Sabina, New York, N. Y. Coat. 120,779; May 28.
De Vilbiss Company, The. (See Schmitt, Joy B., assignor.)
Dewsbury, William O., Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y. Carpet or similar article. 120,832; May 28.
Distilled Liquors Corporation. (See Wilmet, Georges, assignor.)
Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Casing for a suction cleaner or similar article. 120,726; May 28.
Dunnock, John L., assignor to Swindell Brothers, Incorporated, Baltimore, Md. Bottle. 120,804; May 28.
Elting, August O., Chicago, Ill. Lamp head. 120,727; May 28.
Elting, August O., Chicago, Ill. Lamp head. 120,728; May 28.
Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)
Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Display rack. 120,729; May 28.
Everson, Franklin E., Scarsdale, N. Y. Combined mirror and lamp. 120,780; May 28.
Farber, S. W., Inc. (See Kowalsky, Abraham, assignor.)
Fink-Roselieve Co. Inc. (See Naylor, William E., assignor.)
Finnegan, George J., New York, N. Y. Textile fabric. 120,781; May 28.
Foster-Forbes Glass Company. (See Foster, John M., assignor.)
Foster, John M., assignor to Foster-Forbes Glass Company, Marion, Ind. Bottle. 120,750; May 28.
Fracchia, Pauline, New York, N. Y. Dress. 120,805; May 28.
Fracchia, Pauline, New York, N. Y. Dress. 120,824; May 28.

Fracchia, Pauline, New York, N. Y. Dress. 120,825; May 28.
Fracchia, Pauline, New York, N. Y. Dress. 120,826; May 28.
Fracchia, Pauline, New York, N. Y. Dress. 120,827; May 28.
Fracchia, Pauline, New York, N. Y. Dress. 120,828; May 28.
Fracchia, Pauline, New York, N. Y. Dress. 120,844; May 28.
Fracchia, Pauline, New York, N. Y. Dress. 120,845; May 28.
Fuerst, Brooks D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 120,806; May 28.
Fuller, James H., University City, assignor to M. D. Gibson, Webster Groves, Mo. Cigarette roller. 120,751; May 28.
Gallinger, Hiram B., Superior, Wis. Door closer. 120,752; May 28.
Ganz, Harry, New York, N. Y. Buckle. 120,730; May 28.
General Devices Corporation. (See Grabfield, John J., assignor.)
General Electric Company. (See Petzold, William B., assignor.)
General Transformer Corporation. (See Pollak, James, assignor.)
Gentile, Robert S., New York, N. Y. Textile fabric. 120,753; May 28.
Gentile, Robert S., New York, N. Y. Textile fabric. 120,807; May 28.
Gibson, Marshall D. (See Fuller, James H., assignor.)
Gilbert, Felix, New York, N. Y. Camera. 120,731; May 28.
Glass, Faye L., New York, N. Y. Dress ensemble. 120,808; May 28.
Goodstein, Lawrence, New York, N. Y. Comfortable. 120,809; May 28.
Grabfield, John J., Cincinnati, Ohio, assignor to General Devices Corporation, Fort Thomas, Ky. Photographic print drier. 120,732; May 28.
Gubbins, George P., Oak Park, Ill. Organ casing. 120,754; May 28.
Guhl, Maclyn L., Forest Hills, N. Y. Textile fabric. 120,833; May 28.
Hamilton, J. T., & A., Company. (See Kihn, Lawrence J., assignor.)
Harer, Otto H., Painesville, Ohio. Memorial grave marker. 120,755; May 28.
Hebel, Helen M., Decatur, Ill. Combination toothpick holder and diet chart. 120,733; May 28.
Henry, Aline, New York, N. Y. Dress. 120,834; May 28.
Higgins, Frank E., assignor to California Perfume Company, Inc., New York, N. Y. Bottle. 120,756; May 28.
Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Broiler grill. 120,757; May 28.
Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined broiler grill and pan. 120,782; May 28.
Hoffman, Bernard J., Jr., Forest Hills, Long Island, N. Y. Bathing suit or similar article. 120,810; May 28.
Hoover Company, The. (See Dreyfuss, Henry, assignor.)
Houghton, Harry E., Bronxville, N. Y., assignor to Brown Company, Berlin, N. H. Paper-towel dispenser. 120,783; May 28.
Industrial Lamp Corporation. (See Williams, Oliver H., assignor.)
Ireys, Meredith S., assignor to Armstrong Cork Company, Lancaster, Pa. Bottle or similar article. 120,846; May 28.
Ireys, Meredith S., assignor to Armstrong Cork Company, Lancaster, Pa. Bottle or similar article. 120,847; May 28.
Israel, Philip, New York, N. Y. Dress. 120,848; May 28.
Joseph, Peter, Brooklyn, N. Y. Comfortable. 120,811; May 28.
Joseph, Peter, Brooklyn, N. Y. Comfortable. 120,812; May 28.
Kahn, David, Inc. (See Kahn, David, assignor.)
Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen Township, N. J. Pencil lead container or the like. 120,734; May 28.
Karagheusian, A. & M., Inc. (See Dewsbury, William O., assignor.)
Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)
Kende, George, assignor to Universal Camera Corporation, New York, N. Y. Camera casing. 120,735; May 28.
Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass bottle. 120,813; May 28.
Kirby, James B., West Richfield, Ohio. Suction cleaner casing. 120,736; May 28.
Kohl, William E., Cleveland, Ohio. Golf practice device. 120,784; May 28.
Kowalsky, Abraham, assignor to S. W. Farber, Inc., Brooklyn, N. Y. Combination branch or arm for candelabra. 120,835; May 28.
Krans, Harry W., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Reflector for bicycles. 120,737; May 28.
Kuhlman, Florence, assignor to Robert Appel, New York, N. Y. Handbag or similar article. 120,758; May 28.
Larsen, Andrew C., assignor of one-half to A. W. Sandstrom, Minneapolis, Minn. Bird house. 120,738; May 28.
Lathrop, Harvey, Forest Hills, N. Y. Pipe rack. 120,785; May 28.
Lindenbaum, Herbert, New York, N. Y. Dress. 120,849; May 28.
Linderman, Victor, New Bedford, Mass., assignor to Strand Leather Goods Co., Inc., New York, N. Y. Flexible receptacle. 120,814; May 28.
Lundy, William J., assignor to Olean Glass Company, Olean, N. Y. Glass jar. 120,815; May 28.
Mascitelli, Marie V., New York, N. Y. Dress. 120,836; May 28.
McCandlish, Edward G., Van Wert, Ohio. Toy sandbox. 120,739; May 28.
Mohawk Brush Company. (See Weber, Frank R., assignor.)
Mueller, John, Licorice Company, The. (See Schoettle, Edward L., assignor.)
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Pennwood Company. Clock. 120,740; May 28.
Naylor, William E., assignor to Fink-Roselieve Co. Inc., New York, N. Y. Spotlight or similar article. 120,741; May 28.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,850; May 28.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,851; May 28.
Newman, Jack E., New York, N. Y. Hat. 120,816; May 28.
Novak, Syd, Chicago, Ill. Redingote. 120,837; May 28.
O'Bryon, Estelle L., San Leandro, Calif. Measuring spoon. 120,759; May 28.
Ogden, Bertha H., assignor to Babs Creations, Inc., New York, N. Y. Perfume container or the like. 120,786; May 28.
Olean Glass Company. (See Lundy, William J., assignor.)
Oswell, Benjamin M., Los Angeles, Calif. Combined napkin and menu holder and straw dispenser. 120,742; May 28.
Owens-Illinois Glass Company. (See Fuerst, Brooks D., assignor.)
Parry, Winnifred, Beverly Hills, Calif. Doll. 120,760; May 28.
Patent License Corporation. (See Arenberg, Albert L., assignor.)
Peltier, Leslie, assignor to The Delphos Bending Company, Delphos, Ohio. Combination child's walker and stroller or similar article. 120,787; May 28.
Pennwood Company. (See Muller-Munk, Peter, assignor.)
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Paper dispenser unit. 120,743; May 28.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Desk pad unit. 120,744; May 28.
Plock, Albert A., Eminence, Ky. Premium coupon. 120,838; May 28.
Pollak, James, assignor to General Transformer Corporation, Chicago, Ill. Electric shears. 120,817; May 28.
Powdrell & Alexander, Inc. (See Carragher, H. J., and Wilson, assignors.)
Pulver, Emil A., Bogota, N. J. Embroidered trimming. 120,818; May 28.
Pulver, Emil A., Bogota, N. J. Embroidered trimming. 120,819; May 28.
Pulver, Emil A., Bogota, N. J. Embroidered trimming. 120,820; May 28.
Rigaumont, Victor A., Pittsburgh, Pa. Theatre front. 120,788; May 28.
Rodrigues, José, New York, N. Y. Brooch or similar article. 120,839; May 28.
Roper, Geo. D., Corporation. (See Hobson, Stanley H., assignor.)
Sandstrom, Arthur W. (See Larsen, Andrew C., assignor.)
Schindelbeck, Valentine, Boonton, N. J. Condiment dispenser cap. 120,761; May 28.
Schindelbeck, Valentine, Boonton, N. J. Condiment dispenser cap. 120,762; May 28.
Schmitt, Joy B., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 120,763; May 28.
Schoettle, Edward L., assignor to The John Mueller Licorice Company, Cincinnati, Ohio. Confectionery product. 120,789; May 28.
Scovill Manufacturing Company. (See Slater, Thomas F., assignor.)
Service Boot & Legging Co., The. (See Berkman, Meyer, assignor.)
Silverman, Charles, Providence, R. I. Collar holder or similar article. 120,745; May 28.
Singer, Henry, assignor of one-half to Kwai Sin Char, Honolulu, Hawaii. Game device. 120,840; May 28.
Slater, Thomas F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener prong ring. 120,764; May 28.
Slater, Thomas F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener prong ring. 120,765; May 28.
Slater, Thomas F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener prong ring. 120,766; May 28.

Slater, Thomas F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener prong ring. 120,790; May 28.
Slater, Thomas F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener prong ring. 120,791; May 28.
Sparks-Withington Company, The. (See Corbett, William J., assignor.)
Strand Leather Goods Co. (See Linderman, Victor, assignor.)
Svenson, Ernest J., Rockford, Ill. Power operated valve unit. 120,821; May 28.
Swindell Brothers, Incorporated. (See Dunnock, John L., assignor.)
Tammen, Glenn W., Chicago, assignor to American Type Founders, Inc., Elizabeth, N. J. Printer's saw. 120,792; May 28.
Thomas, Dimitri, Chicago, Ill. Collapsible serving stand. 120,793; May 28.
Trevisan, Louis A., Bloomfield, N. J., assignor to American Can Company, New York, N. Y. Box or similar container. 120,746; May 28.
Ullman, Furth, New York, N. Y. Textile fabric. 120,841; May 28.
Universal Camera Corporation. (See Kende, George, assignor.)
Warth, Dudley S., Longmeadow, Mass. Toilet hinge. 120,842; May 28.
Weber, Frank R., Troy, assignor to Mohawk Brush Company, Albany, N. Y. Brush. 120,843; May 28.
Weingarten, Harold C., New York, N. Y. Dress ensemble. 120,829; May 28.
Williams, Burdell S., Dayton, Ohio. Oil burner. 120,768; May 28.
Williams, Oliver H., Chicago, Ill., assignor to Industrial Lamp Corporation. Lamp shade. 120,767; May 28.
Wilmet, Georges, Roslyn, assignor to Distilled Liquors Corporation, New York, N. Y. Bottle. 120,769; May 28.
Wilson, Thurston B. (See Carragher, H. J., and Wilson.)
Younghusband, James L., Chicago, Ill. Combined nail polish display and stand. 120,770; May 28.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Beater for eggs, cream, or the like. 120,771; May 28.
Ziska, Joseph, Chicago, Ill. Basket or similar container. 120,794; May 28.
Zuest, Frank, San Francisco, Calif. Combination ash tray and sponge cup. 120,795; May 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aaron, Harry, New York, N. Y., and J. Hammerstrom, Bridgeport, Conn.; said Hammerstrom assignor to said Aaron. Automatic dialing telephone attachment. 2,202,366; May 28.

Abrahamsohn, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray transmitting tube. 2,202,614; May 28.

Adams, Julius R. (See Davidson, P. B., and Adams.)

Addis, Frank J. and P. P., Brooklyn, N. Y. Manufacturing confection candle holders. 2,202,509; May 28.

Addis, Paul P. (See Addis, Frank J. and P. P.)

Aktiebolaget Svenska Kullagerfabrieken. (See Göthberg, Karl E. A., assignor.)

Alavidze, Dimitri. (See Gee, Victor, assignor.)

Albrecht, Otto, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Quaternary ammonium salt. 2,202,328; May 28.

Alden, Carroll R., Detroit, Mich., assignor to Ex-Cell-O Corporation. Nozzle. 2,202,510; May 28.

Alison, Noah L., assignor to American Blower Corporation, Detroit, Mich. Cooling ribs-scoop controlled coupling. 2,202,243; May 28.

Allbright-Nell Co. (See Ozouf, Arthur E., assignor.)

Allgemeine Elektricitats Gesellschaft. (See Boersch, Hans, assignor.)

Allgemeine Elektricitatz Gesellschaft. (See Steudel, Eberhard, assignor.)

Allen, George W., assignor to B. F. Sturtevant Company, Boston, Mass. Vacuum cleaner. 2,202,788; May 28.

Allen, Stratford B., Arlington, assignor, by mesne assignments, to Mu-Switch Corporation, Canton, Mass. Switch. 2,202,681; May 28.

Allis-Chalmers Manufacturing Company. (See Forrest, Frank R., assignor.)

Alloy Steel and Metals Company. (See Weisgerber, Charles F., assignor.)

Alpaugh, Albert. (See Gallot, C., and Alpaugh.)

Alton, William H., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Filtering. 2,202,806; May 28.

Altwegg, Hans, Paris, France, and A. Eichler, Freiburg in Breisgau, Germany, assignors to E. I. du Pont de Nemours & Company. Obtaining crepe effects on fabrics. 2,202,041; May 28.

Aluminum Company of America. (See Thomas, John W., assignor.)

American Blower Corporation. (See Alison, Noah L., assignor.)

American Can Company. (See Hothersall, John M., assignor.)

American Coach and Body Company, The. (See Troche, Herman J., assignor.)

American Cyanamid Company. (See Lecher, H. Z., and Pierce, assignors.)

American Hoist and Derrick Company. (See Campbell, Harry L., assignor.)

American Ironing Machine Co. (See Peters, Arthur H., assignor.)

American Laundry Machinery Company, The. (See Dewey, James M., assignor.)

American Locomotive Company. (See Weber, Theodore R., assignor.)

American Oxythermic Corporation. (See Frankl, Mathias, assignor.)

American Paper Bottle Company, The. (See Wollenweber, Julius E., assignor.)

American Screw Company. (See Tomalis, Joseph J., assignor.)

American Smelting and Refining Company. (See Lindner, K. A., and Di Santo, assignors.)

American Steel and Wire Company of New Jersey, The. (See Lind, C. M., and Thomas, assignors.)

American Steel Foundries, (See Light, David M., assignor.)

American Type Founders Incorporated. (See Seybold, Frederick W., assignor.)

Anderle, Robert, Berlin-Tempelhof, Germany. Stereocamera. 2,201,975; May 28.

Andersen, Herbert H., Beverly, Mass., assignor to General Electric Company. Time switch alarm. 2,202,721; May 28.

Andersen, Leif. (See Fredrickson, E. A., Andersen, Van Sciver, and Zinkil.)

Anderson, Andrew G., et al. (See Caddy, Fred W., assignor.)

Anderson, Arvid E., Drexel Hill, Pa., assignor to General Electric Company. System of electric distributors. 2,202,722; May 28.

Anderson, Bert J., Hammond, Ind. Velocipede frame. 2,202,282; May 28.

Anderson, Carl G. H., and I. K. Fog, assignors to Sangamo Company Limited, Toronto, Ontario, Canada. Adjustable mounting for electric motors. 2,202,413; May 28.

Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Float valve. 2,201,974; May 28.

Andia, Laurencio A., Boston, Mass., assignor to Compania Industrial Del Caucho, Sociedad Anónima Commercial é Industrial, Buenos Aires, Argentina. Manufacturing rubber soled footwear. 2,202,750; May 28.

Andrieu, Robert, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Black spot compensation apparatus. 2,202,511; May 28.

Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,202,076; May 28.

Anker-Werke, A. G. (See Bölter, W., and Theenhausen, assignors.)

Appleton Electric Company. (See Tornblom, N. A., and Meyer, assignors.)

Arado Flugzeugwerke Gesellschaft mit beschraenkter Haftung. (See Rebeski, Hans, assignor.)

Arberry, James E., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Writing surface. 2,202,682; May 28.

Arbuckle, S. F., Corporation. (See Arbuckle, Samuel F., assignor.)

Arbuckle, Samuel F., Highland Park, deceased; H. B. Scott and G. Colter, administrators, assignors to S. F. Arbuckle Corporation, Detroit, Mich. Reflecting element. 2,202,306; May 28.

Archer, Edward N., Inglewood, Calif. Fowl-stuffing retainer. 2,202,512; May 28.

Archer, Harmon W., Fort Smith, Ark. Glass cutting machine. 2,202,751; May 28.

Armstrong, Fred S., River Forest, assignor to Jefferson Electric Company, Bellwood, Ill. Mercury switch. 2,202,569; May 28.

Armstrong, Jesse N. (See Dunnan, Richard A., assignor.)

Aron, Manfred. (See Bernhard, A., Beyrich, and Aron.)

Arthur, James L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition timer. 2,202,077; May 28.

Artzt, Walter, and E. Lesavoy, Allentown, Pa. Plait-knitted fabric. 2,201,980; May 28.

Associated Patentees, Inc. (See Koch, Frederick, assignor.)

Atkin, Lawrence. (See Schultz, A. S., and Atkin.)

Aub, Samuel L., and W. B. Long, Cleveland, Ohio; said Long assignor to said Aub. Drinking fountain. 2,202,807; May 28.

Auer, John, East Norwalk, Conn. Wet blocking machine for hats. 2,202,367; May 28.

Aumüller, Walter. (See Bockmühl, M. Ehrhart, Ruschig, and Aumüller.)

Auto Union Aktiengesellchaft. (See Siebler, O., and Boxan, assignors.)

Automotive Products Company Limited. (See Brock, D. T., and Trapp, assignors.)

Averill, Rex G., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley tender. 2,202,723; May 28.

Axelrod, Kenneth M. (See Cypher, Hugh F., assignor.)

Ayres, Waldemar, New York, N. Y. Dispenser. 2,202,079; May 28.

Babcock & Wilcox Company, The. (See Bailey, Ervin G., assignor.)

Badertscher, Darwin E., and H. G. Berger, Woodbury, and F. M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Extreme pressure lubricant. 2,202,641; May 28.

Baesgen, Werner, Dessau, H. Demsky, Dessau-Sud, and O. Pätzold, Dessau, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Testing of accuracy of workpiece dimensions. 2,202,683; May 28.

Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,202,768; May 28.

Bailey Meter Company. (See Fitch, Edward W., assignor.)

Bailey Meter Company. (See Gorrie, Harvard H., assignor.)

Baird Television Limited. (See Ridgeway, Denis V., assignor.)

Baisch, Carl F., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,202,642; May 28.

Bakelite Building Products Co. (See Harshberger, Norman P., assignor.)

Baker, Frederick W., Stourbridge, England. Vehicle wheel. 2,202,080; May 28.

Baker, Robert E., assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Cover for dispensing refrigerators. 2,202,476; May 28.

Baker, Robert E., assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Cover for bottle coolers. 2,202,684; May 28.

Ball Brothers Company. (See Wadsworth, Frank L. O., assignor.)

Barber Colman Company. (See Peterson, Burt A., assignor.)

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Web perfecting rotary press. 2,202,134; May 28.

Barényi, Béla, Paris, France, assignor to the firm Getefo, Gesellschaft für technischen Fortschritt m. b. H., Berlin, Germany. Rubber springing for motor vehicles. 2,202,615; May 28.

Barnes, Blakeslee, New York, N. Y., and H. E. Broughton, Hackensack, N. J., assignors to Chemical Construction Corporation, New York, N. Y. Production of sulphur dioxide from metal sulphates. 2,202,414; May 28.

Barnhart, George E., Pasadena, Calif. Hydraulic swivel connector. 2,201,976; May 28.

Barnhart, George E., Pasadena, Calif. Mechanical movement. 2,201,977; May 28.

Baron, Herman L., New York, N. Y., assignor to Cladite Incorporated. Protective coating. 2,201,981; May 28.

Baroni, Sante, Philadelphia, Pa., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Stock fitting machine. 2,202,081; May 28.

Barrett & Hilp. (See Jones, Kenneth B., assignor.)

Barrett & Hilp. (See Muse, Robert B., assignor.)

Barteit, Joseph R., Chicago, Ill. Mathematical puzzle. 2,202,078; May 28.

Bartunek, Richard, Teltow-Seehof, and A. M. Heinsberg, Rhineland, Germany, assignors to North American Rayon Corporation, New York, N. Y. Process and apparatus for use in the manufacture of staple fibers. 2,202,477; May 28.

Baumann, H. F., Mech. Kratzenfabrik G. m. b. H. (See Lutz, August G., assignor.)

Bay West Paper Company. (See Krueger, A. G., Vaughan, Slye, and Engel, assignors.)

Bayder, George. (See Cale, Lambert R., assignor.)

Bayley, William D., Springfield, Ohio. Window. 2,202,685; May 28.

Bazarek, Waldo J., Belvidere, assignor, by mesne assignments, to A. F. Wintercorn, and one-half to W. N. Belk, Rockford, Ill. Combination tire changer and wheel balancer and tool therefor. 2,201,982; May 28.

Beach, Ralph H., Ann Arbor, Mich. Electrical switching means. 2,202,440; May 28.

Bean, Robert F., Bridgeport, Conn., assignor to General Electric Company. Hinge structure. 2,202,724; May 28.

Bear, Paul S., assignor to Bucklen-Bear Laboratories, Inc., Elkhart, Ind. Periodic switch. 2,202,725; May 28.

Beckel, Carl C., Clemmons, N. C. Ice creeper. 2,202,570; May 28.

Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Frequency control circuits. 2,201,978; May 28.

Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. 2,202,726; May 28.

Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. 2,202,727; May 28.

Bedford, Burnice D., Schenectady, and E. E. Moyer, Scotia, N. Y., assignors to General Electric Company. Electric valve circuit. 2,202,728; May 28.

Bednarski, Walter S. (See Matela, John, assignor.)

Beeman, Donald L., Scotia, N. Y., assignor to General Electric Company. Contact arrangement for relays. 2,202,729; May 28.

Belk, William N., et al. (See Bazarek, Waldo J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bollman, John H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Buhrendorf, Frederick G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Collis, Raymond E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Koenig, Walter, Jr., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mitchell, Doren, assignor.)

Bell Telephone Laboratories, Incorporated. (See Riesz, Robert R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Stoller, Hugh M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Vroom, Edward, assignor.)

Bell, Thomas E., Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bleaching of cotton. 2,202,478; May 28.

Bendix Aviation Corporation. (See Elkin, Manuel H., assignor.)

Bendix Products Corporation. (See Goepfrich, George A., assignor.)

Bendix Radio Corporation. (See Drake, Robert L., assignor.)

Bendix Radio Corporation. (See Hilliard, W. P., and Brunner, assignors.)

Beniers, Emil. (See Wolff, P., and Beniers.)

Benner, Dale A., Alton, Ill. Portable punch. 2,202,513; May 28.

Benner, Dale A., Alton, Ill. Portable punch. 2,202,514; May 28.

Benson, George O., assignor to Chisholm-Ryder Co., Inc., Niagara Falls, N. Y. Folding net. 2,202,789; May 28.

Berger, Arthur, Oberturkheim, near Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Internal combustion engine. 2,202,643; May 28.

Berger, Henry G. (See Badertscher, D. E., Berger, and Seger.)

Berger, Marion E., Lewistown, Mo. Pulley block. 2,202,184; May 28.

Berkstresser, Charles S., Lacoochee, assignor to Cummer Sons Cypress Company, Jacksonville, Fla. Apparatus for making containers. 2,202,082; May 28.

Berndt, Walter, Berlin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Loop antenna. 2,202,368; May 28.

Bernhard, Albrecht, and G. Beyrich, Nuremberg, Germany, and M. Aron, Vienna, Austria, assignors to Metrawatt Aktiengesellschaft, Fabrik Elektrischer Messgeraete, Nuremberg, Germany. Photoelectric exposure meter with several ranges of measurement. 2,202,441; May 28.

Bevan, John G., assignor to Guggenheim Brothers, New York, N. Y. Treating sewage. 2,202,135; May 28.

Beyrich, Guido. (See Bernhard, A., Beyrich, and Aron.)

Bird & Son, Inc. (See Graham, J. E., and Lines, assignors.)

Bishop, George D., assignor to Crown Paper Company, Sanford, Fla. Fruit and vegetable package. 2,202,616; May 28.

Bishop, Richard E., South Orange, N. J., assignor to A. C. Horn & Company, Long Island City, N. Y. Sealing conduits. 2,202,617; May 28.

Black-Clawson Company, The. (See Staege, Stephen A., assignor.)

Blackwell, Francis O., Jr. (See Knox, S. L. G., and Blackwell.)

Blashill, Arthur E., Handsworth, Birmingham, England. Manufacture of wire fabric. 2,202,442; May 28.

Blau, Ludwig W., and L. Statham, Houston, Tex., assignors to Standard Oil Development Company. Electric earth transients in geophysical prospecting. 2,202,369; May 28.

Blaw-Knox Company. (See Bushnell, James E., assignor.)

Blossom, Frederick M., Peoria, Ill. Belt. 2,202,644; May 28.

Blount, Clinton W., Upper Montclair, N. J. Manufacturing hollow objects. 2,202,042; May 28.

Blumenthal, Samuel J., Brooklyn, N. Y. Surgical instrument. 2,202,618; May 28.

Bock, Diedrich K., Buffalo, N. Y. Toy. 2,202,083; May 28.

Bockmühl, Max, G. Ehrhart, H. Ruschig, and W. Aumüller, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Compounds of the cyclopentanopolyhydrophenanthrene series and preparing them. 2,202,619; May 28.

Bodde, Bernard M., assignor to Flat Light Screen Co. Inc., Hollywood, Calif. Manufacture of translucent screens. 2,202,370; May 28.

Boersch, Hans, Berlin-Reinickendorf, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany. Electron device. 2,202,620; May 28.

Bogin, Charles. (See Wampner, H. L., and Bogin.)

Bolidens Gruvaktiebolag. (See Hager, Bror O., assignor.)

Bollman, John H., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power supply circuit. 2,201,983; May 28.

Bölter, Wilhelm, Heepen in Westphalia, near Bielefeld, and H. Theenhausen, assignors to Anker-Werke, A. G., Bielefeld, Germany. Needle vibration controlling means for sigzag stitch sewing machines. 2,202,515; May 28.

Bonanno, Joseph L., Forest Hills, assignor to The Lionel Corporation, New York, N. Y. Toy railroad track switch. 2,202,546; May 28.

Bond Foundry & Machine Company. (See Schreck, Irvin F., assignor.)

Booher, Lela E., New York, N. Y. Vitamin concentration. 2,202,307; May 28.

Borden Company, The, et al. (See Supplee, G. C., and Dorcas, assignors.)

Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Wetting agent and producing the same. 2,202,686; May 28.

Bourland, Ell, assignor to Crown Can Company, Philadelphia, Pa. Metal container. 2,202,084; May 28.

Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. High-voltage discharge tube. 2,202,687; May 28.

Boxan, Walter. (See Siebler, O., and Boxan.)

Brandt, Henry E., St. Paul, Minn. Intermittent or constant discharge device. 2,202,645; May 28.
Braun, Otto, Buffalo, N. Y. Direction signal. 2,202,571; May 28.
Braune, Sholom, Fitchburg, Mass. Antipick lock. 2,202,329; May 28.
Breeze Corporations, Inc. (See Heller, Joseph I., assignor.)
Brenner, Charles M., deceased, Shreveport, La.; E. L. Brenner, administratrix. Venetian blind. 2,202,752; May 28.
Brenner, Edith L., administratrix. (See Brenner, Charles M.)
Bridgeport Brass Company. (See Broecker, Lewis C., assignor.)
Briggs Manufacturing Company. (See Pattison, Herbert J., assignor.)
British Thermostat Company Limited, The. (See Martin-Hurst, W. F. F., and Sargeaunt, assignors.)
Brock, Denis T., and G. J. Trapp, assignors to Automotive Products Company Limited, London, England. Camshaft. 2,202,330; May 28.
Brodin, Eric C., Jenkintown, assignor to S K F Industries, Inc., Philadelphia, Pa. Seal for enclosed bearings. 2,202,769; May 28.
Brodin, Eric C., Jenkintown, assignor to S K F Industries, Inc., Philadelphia, Pa. Seal for enclosed bearings. 2,202,770; May 28.
Broecker, Lewis C., assignor to Bridgeport Brass Company, Bridgeport, Conn. Valve cap. 2,202,185; May 28.
Broughton, Harold E. (See Barnes, B., and Broughton.)
Broune, Abel U., Brooklyn, N. Y. Fuse operated electric circuit control device. 2,202,621; May 28.
Brouse, William H. D., assignor to International Metal Industries Limited, Toronto, Ontario, Canada. Switch control device for fluid pumps. 2,202,136; May 28.
Brown, Arthur J., Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill. Mechanical load brake. 2,202,137; May 28.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Filling replenishing loom. 2,202,186; May 28.
Brown Instrument Company, The. (See Mallory, Robert L., assignor.)
Brown, James C., Huntingdon, Quebec, Canada. Rotary power knife. 2,202,085; May 28.
Brown, John L., Verona, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Self-cleaning textile motor. 2,202,622; May 28.
Bruckman, William C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Molded knob assembly. 2,202,371; May 28.
Brun, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Making lead nitrato-hypophosphite. 2,202,646; May 28.
Brun, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Manufacture of lead styphnate. 2,202,647; May 28.
Brunner, Edward J. (See Fleming, Robert B., assignor.)
Brunner, Reed R. (See Hilliard, W. P., and Brunner.)
Buckham, Charles W., Scarsdale, N. Y. Camera. 2,202,138; May 28.
Bucklen-Bear Laboratories, Inc. (See Bear, Paul S., assignor.)
Buckley, Duer H., Warren, Ohio, assignor to Sanitary Service Inc., Dover, Del. Sludge removing device. 2,202,308; May 28.
Bucyrus-Erie Company. (See Knox, S. L. G., and Blackwell, assignors.)
Bugatti, Ettore, Molsheim, France. Coupling apparatus for vehicles. 2,202,753; May 28.
Buhrendorf, Frederick G., Hastings-on-Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated. Magnetic telegraphone. 2,202,139 May 28.
Bulckian, John, et al. (See Kennedy, John F., assignor.)
Bullock, Giles E., Rochester, N. Y. Velocipede construction. 2,202,479; May 28.
Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)
Burroughs, Charles F., East Orange, N. J. Injection molding apparatus. 2,202,140; May 28.
Bushnell, James E., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Recording apparatus. 2,202,547; May 28.
Butera, Joseph, assignor of one-half to V. J. Lo Bue and S. Di Maria, San Jose, Calif. Dust collector. 2,202,372; May 28.
Butterfield, Charles, Wyoming, assignor to The Globe-Wernicke Company, Norwood, Ohio. Fanfold machine. 2,202,244; May 28.
Butterworth, Ernest, Ballymena, Northern Ireland, assignor to Imperial Chemical Industries Limited. Treatment of textiles. 2,202,331; May 28.
Butterworth, Ernest, Ballymena, Northern Ireland, assignor to Imperial Chemical Industries Limited. Bleaching of textiles. 2,202,332; May 28.
Butterworth, Ernest, Ballymena, Northern Ireland, and J. A. M. W. Mitchell, Runcorn, England, assignors to Imperial Chemical Industries Limited. Treatment of textiles. 2,202,335; May 28.
Butterworth, Ernest, Ballymena, Northern Ireland, and B. P. Ridge, Grappenhall, England, assignors to Imperial Chemical Industries Limited. Bleaching linen and like bast fiber material. 2,202,333; May 28.
Butterworth, Ernest, Ballymena, Northern Ireland, and B. P. Ridge, Grappenhall, England, assignors to Imperial Chemical Industries Limited. Treatment of textiles. 2,202,334; May 28.
Byrne, James P., Jr., Woodstock, assignor of one-half to R. J. Dwyer, New York, N. Y. Mower attachment. 2,202,443; May 28.
Caddy, Fred W., assignor of twenty-five and one-half per cent to W. R. Spensley and twenty-five and one-half per cent to A. G. Anderson, Hibbing, Minn. Piston. 2,202,754; May 28.
Cale, Lambert R., assignor of one-half to G. Bayder, Bridgeport, Ohio. Ignition switch. 2,202,043; May 28.
Calleo, John J., Lodi, N. J. Sanitary comb cleaning device. 2,202,516; May 28.
Campbell, Donald J., assignor of one-half to J. F. Campbell, and one-fourth to Islay Investment, Incorporated, Muskegon, Mich. Engine. 2,202,480; May 28.
Campbell, Harry L., assignor to American Hoist and Derrick Company, St. Paul, Minn. Snowplow shoe. 2,202,309; May 28.
Campbell, James F., et al. (See Campbell, Donald J., assignor.)
Canister Company, The. (See Kernahan, Martin P., assignor.)
Carbide and Carbon Chemicals Corporation. (See Cox, H. L., and Matlack, assignors.)
Cardox Corporation. (See Geerts, Eric, assignor.)
Carlson, Wendell L., Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Signal receiving system. 2,202,141; May 28.
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Instrument dial illumination. 2,202,142; May 28.
Casablancas, Fernando, Manchester, assignor to Casablancas High Draft Co. Ltd., Salford, Manchester, England. Mechanism for drawing textile rovings. 2,202,755; May 28.
Casablancas High Draft Co. Ltd. (See Casablancas, Fernando, assignor.)
Cassel, Norman S., Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Decorating textiles and composition for use therein. 2,202,283; May 28.
Casstevens, Armand R., Houston, Tex. Racing machine. 2,202,572; May 28.
Celanese Corporation of America. (See Dreyfus, C., and Schneider, assignors.)
Celanese Corporation of America. (See Dreyfus, H., and Fallows, assignors.)
Celanese Corporation of America. (See Platt, Herbert, assignor.)
Chain Belt Company. (See Hanson, Hans A., assignor.)
Chalette, Joseph J., assignor of one-half to M. M. Chalette, Los Angeles, Calif. Exerciser. 2,202,187; May 28.
Chalette, May M. (See Chalette, Joseph J., assignor.)
Chambers, Albert M., Jr., and W. R. Jenkinson, Rochester, N. Y., assignors, by mesne assignments, to Elastic Stop Nut Corporation, Elizabeth, N. J. Method of and apparatus for manufacturing lock nuts. 2,202,044; May 28.
Chapman Valve Manufacturing Co., The. (See Malcolm, Vincent T., assignor.)
Charlton, George, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Heat erosion resistant alloy. 2,202,648; May 28.
Cheatham Electric Switching Device Co. (See Stolp, S. S., and Sutton, assignors.)
Chemical Construction Corporation. (See Barnes, B., and Broughton, assignors.)
Chemical Foundation, Incorporated, The. (See Hixson, A. W., and Miller, assignors.)
Chemical Marketing Company Inc. (See Reichert, Theophil, assignor.)
Chemical Works, formerly Sandos. (See Lier, Heinrich, assignor.)
Chemische Fabrik von Heyden, A. G. (See Müller, R., and Lee, assignors.)
Cherry Growers, Inc. (See Weir, Perry, assignor.)
Chicago Development Company. (See Long, James R., assignor.)
Chicago Pump Company. (See Durdin, Augustus C., Jr., assignor.)
Ching, John F., Berkeley, Calif. Door lock. 2,202,086; May 28.
Chisholm-Ryder Co. (See Benson, George O., assignor.)
Chmura, John, Marmarth, N. C. Anchoring. 2,202,336; May 28.
Chrisman, Horace. (See Seibert, N. J., and Chrisman.)
Christie, Alfred, Washington Grove, Md., assignor to Henry A. Wallace as Secretary of Agriculture of the United States of America and his successors in office. Constant voltage rectifier circuit. 2,201,979; May 28.
Christie, Stanley P., Sleights, England. Fuel supply control mechanism. 2,202,087; May 28.
Christopher, Edward T. (See Murray, H. E., and Christopher.)
Christopher, Edward T., and H. E. Murray, Denver, Colo. Self-inflating life preserver. 2,202,416; May 28.
Cianchi, Alfredo, London, England. Warning system of dwelling houses, hotels, and similar establishments. 2,202,188; May 28.
Clarione, Joseph, Fitchburg, Mass. Rotary cutter. 2,202,548; May 28.

Ciba Products Corporation. (See Haller, R., and Widmer, assignors.)
Cimatool Company, The. (See Poock, Louis F., assignor.)
Cladite Incorporated. (See Baron, Herman L., assignor.)
Clark, Augustus L., Montpelier, Vt. Heated automobile blanket. 2,201,984; May 28.
Clark, James R., assignor to Yawman and Erbe Mfg. Co., Rochester, N. Y. Filing cabinet. 2,202,088; May 28.
Clerk, Robert C. (See Sinclair, H., and Clerk.)
Cleveland Shopping News Company, The. (See Hamlin, Walter E., assignor.)
Cline, Sherrill, Miami, Fla. Fluid heater. 2,202,756; May 28.
Cobb, James F., Portland, Oreg. Dry kiln and in the art of kiln drying. 2,202,143; May 28.
Cobb, Thomas R., Brownsville, Tenn. Comb. 2,202,089; May 28.
Cohn, Byron E., Denver, Colo. Seal for evacuated vessels and forming the same. 2,202,337; May 28.
Cohn, Samuel, New York, and J. G. Walter, Ridgewood, assignors to Samcoe Holding Corporation, New York, N. Y. Method of and apparatus for drying fabric. 2,202,045; May 28.
Colbert, Clarence L., Elizabeth, N. J., assignor to Fiske Brick & Granule Company, Boston, Mass. Apparatus for making roofing granules. 2,202,090; May 28.
Colburn, Pearl E., Green Bay, Wis. Dispensing cabinet. 2,201,985; May 28.
Colgate-Palmolive-Peet Company. (See Ittner, Martin H., assignor.)
Collins, Edgar V., Ames, Iowa, assignor to Deere & Company, Moline, Ill. Damming device. 2,202,091; May 28.
Collis, Raymond E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,201,986; May 28.
Columbus Coated Fabrics Corporation. (See Hyatt, C. S., and Hedges, assignors.)
Commercial Solvents Corporation. (See Kieweg, Homer, assignor.)
Commercial Solvents Corporation. (See Miner, Carl S., assignor.)
Commercial Solvents Corporation. (See Stiles, H. R., and Pruess, assignors.)
Commercial Solvents Corporation. (See Wampner, H. L., and Bogin, assignors.)
Companin Industrial Del Caucho, Sociedad Anónima Commercial é Industrial. (See Andia, Laurencio A., assignor.)
Conant, Leon B., Boston, Mass. Finishing leather. 2,202,092; May 28.
Conover, Warren C., Waukegan, Ill., assignor, by mesne assignments, to Outboard, Marine & Manufacturing Company, Wilmington, Del. Outboard motor. 2,201,987; May 28.
Consolidated Machine Tool Corporation. (See Trosch, Alfred, assignor.)
Consolidated Sewing Machine & Supply Co., Inc. (See Ingwer, Max, assignor.)
Coolerator Company, The. (See Ganzer, John H., assignor.)
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Cooling chamber construction for furnaces. 2,201,988; May 28.
Cope, Joseph H., Denver, Colo. Power operated sweep rake. 2,202,310; May 28.
Copperweld Steel Company. (See Selquist, Rolf, assignor.)
Coppock, Philip D., Bebington, Wirral, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of starch paste. 2,202,573; May 28.
Corizzo, Carlo, Newburgh, N. Y. Sealing device. 2,202,338; May 28.
Corning Glass Works. (See Grant, Jesse, assignor.)
Corning Glass Works. (See Willson, Herbert S., assignor.)
Corning Glass Works. (See Yunck, John A., assignor.)
Cotton, William A., Jr., and J. W. Widdifield, Laurel, Miss.; said Widdifield assignor to said Cotton. Separating or classifying apparatus. 2,202,189; May 28.
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Coulter, Guy, et al., administrators. (See Arbuckle, Samuel F.)
Cox, Henry L., South Charleston, and J. D. Matlack, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Recovery of plastic materials. 2,202,481; May 28.
Cox, Vernon L., Upper Darby, Pa., assignor to General Electric Company. System of electric distribution. 2,202,730; May 28.
Crago, Harry R., Caldwell, N. J., assignor to General Electric Company. Automatic temperature control. 2,202,731; May 28.
Cramp, David L., assignor to Lake Shore Mines, Limited, Kirkland Lake, Ontario, Canada. Regulating temperature in ore roasting furnaces. 2,202,245; May 28.
Cravitz, Philip. (See Hasler, M. F., Lindhurst, and Cravitz.)
Crawford, William S., Santa Barbara, Calif. Book support and line gauge. 2,202,190; May 28.
Crompton, George, Jr., Worcester, Mass. Shuttle driving mechanism for looms. 2,202,574; May 28.
Cross, William D., et al. (See Jordan, Cedric R., Sr., assignor.)
Crowe, Francis T., Boulder City, Nev. Concrete bucket. 2,202,284; May 28.
Crown Can Company. (See Bourland, Eli, assignor.)
Crown Cork & Seal Company. (See Stewart, R. J., and Gladfelter, assignors.)
Crown Paper Company. (See Bishop, George D., assignor.)
Cube Steak Machine Company. (See Spang, Joseph P., assignor.)
Cummer Sons Cypress Company. (See Berkstresser, Charles S., assignor.)
Cuno, Charles H., assignor to The Cuno Engineering Corporation, Meriden, Conn. Filtering liquid. 2,202,191; May 28.
Cuno Engineering Corporation, The. (See Cuno, Charles H., assignor.)
Cypher, Hugh F., assignor of one-half to K. M. Axelrod, Borger, Tex. Casing-head structure. 2,202,192; May 28.
Dabney, James B. (See Mobarry, R. G., and Dabney.)
Dagdigian, Aram, Reading, Mass., assignor to Shoe Lace Company, Boston, Mass. Shoe and making shoes. 2,202,093; May 28.
Dahl, Oscar, assignor to M. S. Oftedal, doing business as Master Metal Strip Service, Chicago, Ill. Weather strip. 2,202,482; May 28.
Dahl, Westley G., Montrose, assignor to T. H. Harrison, Burbank, Calif. Electric heat control means for refrigerators. 2,202,373; May 28.
Daimler-Benz Aktiengeseilschaft. (See Berger, Arthur, assignor.)
Dake, Charles W., Grand Haven, Mich. Cylinder cover structure. 2,202,246; May 28.
Dammann, Karl, Trenton, N. J. Apparatus for use in the manufacture of paper. 2,202,767; May 28.
Daum, August, Dusseldorf, Germany. Fastener for joining belts and conveyer bands. 2,202,094; May 28.
Davidson, Paul B., Wilkinsburg, Pa., and J. R. Adams, assignors to Old Colony Envelope Company, Westfield, Mass. Adhesive. 2,202,247; May 28.
Davis, Arthur L., Knoxville, Tenn. Ceramic support. 2,201,989; May 28.
Davis, Preston, West Hollywood, Calif. Clothesline supporting structure. 2,202,193; May 28.
Day, Roy C., Crawfordsville, Ind. End-on rod cutter. 2,202,416; May 28.
Dayton Rubber Manufacturing Company, The. (See Freedlander, A. L., and Ritzert, assignors.)
Deere & Company. (See Collins, Edgar V., assignor.)
De Koevend, Herman, Lake Cheeseman, Colo. Liquid level reporting apparatus. 2,202,517; May 28.
Dekome, Arthur E., Garfield Heights, H. C. Dekome and V. J. Sedlon, Cleveland, Ohio. Holding means. 2,201,990; May 28.
Dekome, Herman C. (See Dekome, Arthur E., and H. C., and Sedlon.)
Delaware Chemical Engineering and Development Company. (See Foulke, Willing B., assignor.)
Delhaye, Leslie. (See Delhaye, Roy J., and L.)
Delhaye, Roy J. and L., Highland Park, Ill. Sanitary water closet seat. 2,202,095; May 28.
Dell, Cyril, Berkhamsted, and H. L. Read, Hutton Mount, assignors to D. H. Green, Westminster, London, England. Temporary beam for building construction. 2,202,096; May 28.
Delorme, Jean, Aubiere, France, assignor to George Morrell Corporation, Muskegon, Mich. Thermoplastic protein composition. 2,202,623; May 28.
Demsky, Herbert. (See Baesgen, W., Demsky, and Pfitzold.)
Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for progressive heat treatment. 2,202,758; May 28.
Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Heat treatment of shafts and the like. 2,202,759; May 28.
Dennison, Frank G., Newtonville, assignor to Spray Engineering Company, Somerville, Mass. Apparatus for treating workpieces. 2,201,991; May 28.
De Rey, Emmanuel, Berchem (Antwerp), Belgium. Roasting furnace. 2,202,444; May 28.
Deroche, André, Fontgombaut, France. Electrical cable and conductor and manufacturing the same. 2,202,575; May 28.
De Saussure, William P., Jr., Englewood, N. J. Folding table. 2,202,624; May 28.
Deschamps, Wilfred, Detroit, Mich. Bed, and particularly bed pivoted to assume an upright position. 2,202,248; May 28.
Deutsche Gold und Silber Scheideanstalt. (See Herzog, Ewald, assignor.)
DeWees, George W. (See Ward, Raymond R., assignor.)
Dewey and Almy Chemical Company. (See Gott, Gordon E., assignor.)
Dewey & Almy Chemical Company. (See Nelley, Stephen B., assignor.)
Dewey, James M., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Control for turret type presses. 2,202,483; May 28.

Diamond Expansion Bolt Company. (See Tulloch, David, assignor.)
Dietrich, Herbert, Meinersdorf, Germany. Production of stockings. 2,202,144; May 28.
Diffinbaugh, John R., Oldtown, Md. Insect destroyer. 2,202,445; May 28.
Di Maria, Samuel, et al. (See Butera, Joseph, assignor.)
Dinsdale, Aldice O. (See Livingston, L. G., and Dinsdale.)
Di Santo, Bartel. (See Lindner, K. A., and Di Santo.)
Distillers Company Limited, The. (See Coppock, Philip D., assignor.)
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,202,688; May 28.
Divine, Robert E. (See Hitchcock, L. B., and Divine.)
Dodge Emulsor Corporation. (See Dodge, John D., assignor.)
Dodge, John D., assignor to Dodge Emulsor Corporation, Detroit, Mich. Homogenizing head. 2,202,649; May 28.
Donaldson, Frank Y., Glendale, Calif. Intermittent flow device. 2,202,549; May 28.
Doolittle, Howard C., assignor to The Stanley Works, New Britain, Conn. Box strapping tool. 2,202,194; May 28.
Dorcas, Merrill J. (See Supplee, G. C., and Dorcas.)
Drachman, Myron J., and K. Stoye, assignors to Peerless Laboratories Inc., New York, N. Y. Adjustable joint. 2,202,195; May 28.
Drake, Robert L., assignor to Bendix Radio Corporation, Chicago, Ill. Modulation system. 2,202,576; May 28.
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Nichols, Edward C., assignor.)
Dresser, Walter H., and W. E. Van Doren, San Francisco, Calif.; said Dresser assignor to said Van Doren. Ventilating device. 2,202,339; May 28.
Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignors to Celanese Corporation of America. Treatment of textile yarns and filaments. 2,201,992; May 28.
Dreyfus, Henry, London, and L. Fallows, Spondon, near Derby, England, assignors to Celanese Corporation of America. Thermal dehydration of lower fatty acids. 2,202,046; May 28.
Ducati, Marcello C., Bologna, Italy. Furniture. 2,202,196; May 28.
Dunn, William C. (See Denneen, F. S., and Dunn.)
Dunnam, Richard A., assignor of one-half to J. N. Armstrong, Dayton, Ohio. Portable rotary brush. 2,202,285; May 28.
Du Pont, E. I., de Nemours & Company. (See Altwegg, H., and Eichler, assignors.)
Du Pont, E. I., de Nemours & Company. (See Bell, Thomas E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fox, A. L., Henke, Lockwood, and Tinker, assignors.)
Du Pont, E. I., de Nemours & Company. (See Haskins, Joseph F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Magill, Paul La F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Marks, Barnard M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Maxwell, Robert W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Scott, Norman D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Smith, Charles V., assignor.)
Du Pont, Mark S., Darby, assignor to Kellett Autogiro Corporation, Philadelphia, Pa. Aerial banner. 2,202,771; May 28.
Du Pree, Cornelius, Wyckoff, N. J., assgnor to The Manhattan Shirt Company, New York, N. Y. Shirt and making same. 2,202,625; May 28.
Durdin, Augustus C., Jr., assignor to Chicago Pump Company, Chicago, Ill. Digester. 2,202,772; May 28.
Dwyer, Robert J. (See Byrne, James P., Jr., assignor.)
Dyke, John R., Eden, Ala. Amusement ride. 2,201,993; May 28.
Eagleson, Craig, Fruitdale, Tex., dedicated to the free use of the People in the territory of the United States. Oil synergist for insecticides. 2,202,145; May 28.
Easy Washing Machine Corporation. (See Logue, Charles H., assignor.)
Eaton Manufacturing Company. (See Charlton, George, assignor.)
Edgar, David, Lynn, assignor to The Tanning Process Company, Boston, Mass. Staking machine. 2,201,994; May 28.
Ehrhart, Gustave. (See Bockmühl, M. Ehrhart, Ruschig, and Aumüller.)
Ehrlich, Irving J. (See Ehrlich, Joseph C. and I. J.)
Ehrlich, Joseph C. and I. J., New York, N. Y. Cabinet for filing microscopic slides. 2,202,047; May 28.
Eichler, Armin. (See Altwegg, H., and Eichler.)
Einig, Josef, Berlin-Friedrichshagen, and G. Stahlberg, Berlin-Grunau, Germany, assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J. Luminous material and manufacturing the same. 2,202,048; May 28.
Elastic Stop Nut Corporation. (See Chambers, A. M., Jr., and Jenkinson, assignors.)
Electra Corporation. (See Wilson, Carroll L., assignor.)
Electric Furnace Company. (See Cope, Frank T., assignor.)
Electric Household Utilities Corporation. (See Lidseen, Gustave, assignor.)
Electrical Products Corporation. (See Owen, Harold R., assignor.)
Electrolux Corporation. (See Kandetzki, Albert W., assignor.)
Eliot, Samuel, Newton, Mass. Motor vehicle. 2,202,689; May 28.
Elkin, Manuel H., Elmira Heights, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Engine starter control. 2,202,550; May 28.
Elwell-Parker Electric Company. (See Towson, Sheldon K., assignor.)
Emery, Augustus B., Messina, Transvaal, Union of South Africa, assignor to Messina (Transvaal) Development Company, Limited. Flotation apparatus. 2,202,484; May 28.
Emmert, Kenneth L. (See Hensel, F. R., and Emmert.)
Endowment Foundation. (See Ginsburg, Joseph M., assignor.)
Engel, John B. (See Krueger, A. G., Vaughan, Slye, and Engel.)
Erickson, John A., Jackson, Mich. Spraying insecticides. 2,201,995; May 28.
Esseling, Cornelis J., assignor to N. V. Gebr. Stork & Co's Fabriek van Hijschwerktuigen, Haarlem, Netherlands. Pipe grip. 2,202,446; May 28.
Evans, John, Indiana Harbor, Ind. Universally movable transport vehicle. 2,202,650; May 28.
Evans, Louis W., Salineville, Ohio. Dental impression mold. 2,202,577; May 28.
Evans Products Company. (See Lintern, Alfred R., assignor.)
Ewertz, Gordon E., Elizabeth, N. J. Gauge and control apparatus for liquid containers. 2,202,197; May 28.
Ex-Cell-O Corporation. (See Alden, Carroll R., assignor.)
Faist, Jacob, Closter, N. J. Screw cutting nipper. 2,202,340; May 28.
Falk Corporation, The. (See Parsons, Fred A., assignor.)
Fallows, Leonard. (See Dreyfus, H., and Fallows.)
Fank, Herman, Alden, Iowa. Clover and alfalfa hulling attachment for threshing machines and combines. 2,202,760; May 28.
Farkas, Emil N., assignor of one-half to F. F. Farkas, Chicago, Ill. Loose-leaf binder. 2,202,097; May 28.
Farkas, Emil N., assignor of one-half to F. F. Farkas, Chicago, Ill. Loose-leaf binder. 2,202,518; May 28.
Farkas, Frank F. (See Farkas, Emil N., assignor.)
Farrel-Birmingham Company. (See Kitchen, Harry E., assignor.)
Feedlander, Abraham L., and N. J. Ritsert, assignors to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Belt connector. 2,202,250; May 28.
Felger, Alfred W., Greensburg, Pa. Mixing valve. 2,202,249; May 28.
Felker, Albert G. (See Miller, D. L., and Felker.)
Fermanick, Joseph, Neopit, Wis. Chain locking means. 2,202,447; May 28.
Ferris, Marion R., La Grange, Ill. Fish lure. 2,202,519; May 28.
Ferris, Reed. (See Hymer, H. E., and Ferris.)
Fidelity Union Trust Company et al., executors. (See Laise, Clemens A.)
Fiedler, Max G., Media, Pa. Internal combustion engine. 2,202,761; May 28.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sole laying machine. 2,201,996; May 28.
Fiore, Alphonse T. (See Kunz, E. C., and Fiore.)
Firmenich and Cie. (See Firmenich, Roger, assignor.)
Firmenich & Cie. (See Stoll, Max, assignor.)
Firmenich, Roger, assignor to firm Firmenich and Cie., successors of Societe Anonyme M. Naef & Cie., Geneva, Switzerland. Preparing higher lactones containing at least 11 carbon atoms and at least 2 heterocyclically bound oxygen atoms in the lactone ring. 2,202,448; May 28.
Fisher, Daniel B., Los Angeles, Calif. Garment. 2,202,341; May 28.
Fiske Brick & Granule Company. (See Colbert, Clarence L., assignor.)
Fitch, Edward W., University Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,202,485; May 28.
Fitzgerald, Louis A., Bodie, assignor to The Merrill Company, San Francisco, Calif. Filter bag head. 2,202,049; May 28.
Fix, Earl L., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Safety glass. 2,202,690; May 28.
Flat Light Screen Co. Inc. (See Bodde, Bernard M., assignor.)
Fleet, Reuben H., W. B. Wheatley, and I. M. Laddon, San Diego, Calif. Take-off control and method. 2,202,449; May 28.
Fleming, Robert B., Kenmore, assignor to E. J. Brunner, Buffalo, N. Y. Display sign. 2,202,417; May 28.
Fog, Ivar K. (See Anderson, C. G. H., and Fog.)
Folberth, Frederick G. and W. M., Cleveland, Ohio. Windshield wiper arm. 2,202,311; May 28.

Folberth, William M. (See Folberth, Frederick G. and W. M.)
Forrest, Frank R., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Waste paper stock pump. 2,202,790; May 28.
Forrester, Jesse W., Marshfield, and J. V. Sheridan, Powers, Oreg. Fluid displacement mechanism. 2,202,520; May 28.
Foulke, Willing B., Media, Pa., assignor, by mesne assignments, to Delaware Chemical Engineering and Development Company, Wilmington, Del. Classification system. 2,202,418; May 28.
Fox, Arthur L., Woodstown, N. J., C. O. Henke and W. H. Lockwood, Wilmington, Del., and J. M. Tinker, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of hydrocarbon compounds with gaseous chlorine and sulphur dioxide. 2,202,791; May 28.
Foxboro Company, The. (See Howe, Wilfred H., assignor.)
Frances, Joseph E., Oakland, Calif. Fitting. 2,202,312; May 28.
Frank, William H., Detroit, Mich. Circuit breaker. 2,202,626; May 28.
Frankl, Mathias, Ausgburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Producing hydrogen. 2,202,374; May 28.
Frantz, Elmer R., Chicago, Ill. Smoker's article. 2,202,342; May 28.
Fredrickson, Edward A., and L. Andersen, Chicago, Ill., H. R. Van Sciver, Trenton, N. J., and R. H. Zinkil, Oak Park, Ill. Swiveling closet bowl. 2,202,486; May 28.
Freed, William N., Richlandtown, Pa. Package numbering or lettering machine. 2,202,762; May 28.
Freidman, Leo, New York, N. Y., assignor to Gold Seal Importers, Inc. Handbag. 2,202,651; May 28.
French, George F., Manchester, England. Curtain heading tape and the like. 2,202,627; May 28.
Freund, Morris, Cleveland, assignor of one-half to J. Kronheim, Shaker Heights, Ohio, and one-half to J. C. Lincoln, Scottsdale, Ariz. Spring unit for spring cushions. 2,201,997; May 28.
Friemering, Clarence A., Dayton, Ohio. Coin controlled vending apparatus. 2,202,578; May 28.
Fuel Refining Corporation. (See (Otto, C., assignor) and Grasshoff.)
Funcke, Carl, Osterronfeld, near Kiel, assignor of one-half to M. Muller, Ottweiler-Saar, Germany. Perforating device. 2,202,198; May 28.
Galland-Henning Mfg. Co. (See Peterman, William A., assignor.)
Gallot, Charles, and A. Alpaugh, Milwaukee, Wis. Fence charging device. 2,202,691; May 28.
Ganzer, John H., assignor to The Coolerator Company, Duluth, Minn. Refrigerator. 2,201,998; May 28.
Garman, George W., Scotia, N. Y., assignor to General Electric Company. Electric translating apparatus. 2,202,732; May 28.
Gasque, Rupert B., et al. (See Jordan, Cedric R., Sr., assignor.)
Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Yarn feeding mechanism for straight knitting machines. 2,202,521; May 28.
Gaylor, Peter J. (See Wiezevich, Peter J.)
Gee, Victor, Whitestone, assignor of sixty per cent to D. Alavidze, New York, N. Y. Device for permanent hair waving. 2,202,146; May 28.
Geertz, Eric, Aurora, assignor to Cardox Corporation, Chicago, Ill. Fire extinguishing apparatus. 2,202,343; May 28.
Gelder, Raymond H., Alameda, and R. R. Gordon, Piedmont, Calif. Safety device for oil heaters. 2,202,098; May 28.
General Aniline & Film Corporation. (See Kobbe, Heinrich, assignor.)
General Aniline & Film Corporation. (See Wolff, P., and Beniers, assignors.)
General Aniline & Film Corporation. (See Zerweck, W., and Hechtenberg, assignors.)
General Electric Company. (See Andersen, Herbert H., assignor.)
General Electric Company. (See Anderson, Arvid E., assignor.)
General Electric Company. (See Bean, Robert F., assignor.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Bedford, B. D., and Moyer, assignors.)
General Electric Company. (See Beeman, Donald L., assignor.)
General Electric Company. (See Cox, Vernon L., assignor.)
General Electric Company. (See Crago, Harry R., assignor.)
General Electric Company. (See Garman, George W., assignor.)
General Electric Company. (See Germer, Edmund, assignor.)
General Electric Company. (See Latta, Isaac R., assignor.)
General Electric Company. (See Leeds, Laurance M., assignor.)
General Electric Company. (See McNairy, Jacob W., assignor.)
General Electric Company. (See Morack, Marvin M., assignor.)
General Electric Company. (See Partington, Robert M., assignor.)
General Electric Company. (See Schmidt, Alfred M., assignor.)
General Electric Company. (See Spielhagen, Walter, assignor.)
General Motors Corporation. (See Arthur, James L., assignor.)
General Motors Corporation. (See Jacobs, James W., assignor.)
General Motors Corporation. (See Pearce, George C., assignor.)
General Motors Corporation. (See Rady, William J., assignor.)
General Motors Corporation. (See Teeter, Wilford H., assignor.)
General Register Corporation. (See Helsel, Reuben H., assignor.)
Germer, Edmund, Berlin-Wannsee, Germany, assignor to General Electric Company. Discharge device. 2,202,199; May 28.
Gerriets, Fred, Alexandria, Va. Emplacement former. 2,202,147; May 28.
Getefo, Gesellschaft für technischen Fortschritt m. b. H. (See Barényi Béla, assignor.)
Geuder, Richard A. (See Harrell, F. E., and Geuder.)
Geuder, Richard A., Cleveland, Ohio, assignor to Reliance Electric and Engineering Company. Induction motor control system. 2,202,419; May 28.
Gibbons, John, Brooklyn, N. Y. Cushioned bumper. 2,202,050; May 28.
Gille, Raymond G., St. Paul, Minn. Wood carving tool. 2,202,251; May 28.
Gillen, Daniel A., Flushing, N. Y. Vacuum breaker for flushometers. 2,202,099; May 28.
Gillen, George A., Bronx, N. Y. Electrical machine. 2,202,051; May 28.
Gillette Safety Razor Company. (See Hill, John H., assignor.)
Gillmet, Thomas. (See Lahiere, E. A., and Gillmet.)
Ginsburg, Joseph M., assignor to Endowment Foundation, New Brunswick, N. J. Combined insecticide and larvicide. 2,202,148; May 28.
Givaudan-Delawanna, Inc. (See Kunz, E. C., and Fiore, assignors.)
Given, Fred H., assignor to The Perfect Circle Company, Hagerstown, Ind. Bearing member. 2,202,773; May 28.
Gladfelter, Willie I. (See Stewart, R. J., and Gladfelter.)
Glascock Brothers Mfg. Co. (See Baker, Robert E., assignor.)
Gleason, William W., assignor to Nachman Springfilled Corporation, Chicago, Ill. Upholstery spring structure. 2,202,052; May 28.
Glidden, Arthur R., Seattle, Wash. Milk container. 2,202,652; May 28.
Glidden, Arthur R., Seattle, Wash. Closure device. 2,202,653; May 28.
Globe-Wernicke Company, The. (See Butterfield, Charles, assignor.)
Gloess, Paul F. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Thermionic valve circuits. 2,202,522; May 28.
Goepfrich, George A., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,201,999; May 28.
Gold Seal Importers, Inc. (See Freidman, Leo, assignor.)
Gordon, Russell R. (See Gelder, R. H., and Gordon.)
Gorrie, Harvard H., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,202,286; May 28.
Gossel, Erich, and W. Puhlmann, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High frequency system. 2,202,487; May 28.
Göthberg, Karl E. A., assignor to Aktiebolaget Svenska Kullagerfabrieken, Goteborg, Sweden. Making cages for roller bearings. 2,202,792; May 28.
Gott, Gordon E., Cambridge, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Supporting wrapped meat cuts. 2,202,375; May 28.
Gottheim, Benjamin, Brooklyn, N. Y. Waste receptacle. 2,202,523; May 28.
Gottlieb, Bernard N., Brooklyn, N. Y. Timing device for telephones. 2,202,149; May 28.
Grade Crossing Guard Corporation. (See Nampa, Sulo M., assignor.)
Graham, James E., Needham, and E. M. Lines, Dedham, assignors to Bird & Son, Inc., East Walpole, Mass. Floor covering. 2,202,488; May 28.
Grant, Jesse, assignor to Corning Glass Works, Corning, N. Y. Glass cooling apparatus. 2,202,100; May 28.
Grasshoff, Eberhard. (See Otto, C., and Grasshoff.)
Gray, John C., Washington, D. C. Telescope sight mounting. 2,202,000; May 28.
Green, Douglas H. (See Dell, C., and Read, assignors.)
Green, Francis K., Rahway, N. J., assignor to Research Corporation, New York, N. Y. Control for air conditioning apparatus. 2,202,763; May 28.
Greenfield Tap and Die Corporation. (See Stimson, Glen H., assignor.)
Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Relieving attachment for lathes. 2,202,287; May 28.

Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Defecator with combined flushing jet and air break. 2,202,628; May 28.

Grotelite Company, The. (See Ryder, Charles D., assignor.)

Grove, Marvin H., Berkeley, Calif. Fluid pressure regulator. 2,202,313; May 28.

Gudmundsen, Austin, assignor to Gudmundsen-Stratton Laboratories, Inc., Milwaukee, Wis. Water softener. 2,202,001; May 28.

Gudmundsen-Stratton Laboratories, Inc. (See Gudmundsen, Austin, assignor.)

Guffey, Roy, Dallas, Tex., assignor to Jones, Shelburne & Guffey, Inc., Oklahoma City, Okla. Control mechanism. 2,202,551; May 28.

Guggenheim Brothers. (See Bevan, John G., assignor.)

Gulf Research & Development Company. (See Topanelian, Edward, Jr., assignor.)

Gustine, Harley D., Fort Lauderdale, Fla. Concrete building block. 2,202,764; May 28.

Guth, Durward O., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Bonding adhesive for an abrasive article such as sandpaper. 2,202,765; May 28.

Haderer Company, The. (See Haderer, O. C., and Klein, assignors.)

Haderer, Otto C., and W. Klein, Milwaukee, Wis., assignors to The Haderer Company. Machine for cleaning space bands. 2,202,654; May 28.

Hagen, Harold F., Wellesley, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Fan system. 2,202,793; May 28.

Häger, Bror O., assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden. Wood impregnating solution. 2,202,579; May 28.

Hahn, Lewis F., Hatboro, Pa. Apparatus for fabricating flexible shafts. 2,202,580; May 28.

Hahne, George S. (See Walker, R. R., and Hahne.)

Halgrimson, Theodore, Fountain, Minn. Digger implement. 2,202,450; May 28.

Haller, Robert, Riehen, near Basel, and G. Widmer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del. Producing pattern effects on textile fabrics. 2,202,200; May 28.

Hamant, Edward W., and G. von Webern, Dayton, Ohio, assignors to Oxford Varnish Corporation, Detroit, Mich. Decorating machine. 2,202,602; May 28.

Hamilton, Cliff S., Lincoln, Nebr., assignor to Parke, Davis & Company, Detroit, Mich. Organic arsenic compounds and obtaining the same. 2,202,733; May 28.

Hamilton, John H., and D. B. Nicholson, Raleigh, N. C. Washing machine. 2,202,344; May 28.

Hamlin, Walter E., assignor to The Cleveland Shopping News Company, Cleveland, Ohio. Delivery control. 2,202,420; May 28.

Hammer, Nathan, New York, N. Y. Time indicating mechanism. 2,202,581; May 28.

Hammerstrom, John. (See Aaron, H., and Hammerstrom.)

Hanner, George E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Meat keeper. 2,202,808; May 28.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Cathode ray tube detector circuits. 2,202,376; May 28.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Transmission. 2,202,629; May 28.

Hansen Mfg. Company. (See Hansen, W. L., and Hurst, assignors.)

Hansen, William L., and I. N. Hurst, assignors to Hansen Mfg. Company, Inc., Princeton, Ind. Machine for making laminated pinions. 2,202,693; May 28.

Hanson, Hans A., assignor to Chain Belt Company, Milwaukee, Wis. Change-speed power transmission gearing. 2,202,794; May 28.

Harding, Robert, Jr., Elmsford, N. Y., assignor to National Television and Manufacturing Corporation, Wilmington, Del. Multiple scanning system. 2,202,795; May 28.

Harrell, Fred E., and R. A. Geuder, Cleveland, Ohio, assignors to Reliance Electric and Engineering Company. Control system. 2,202,421; May 28.

Harrison, Thomas H. (See Dahl, Westley G., assignor.)

Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Coating and coloration of granulated materials. 2,202,002; May 28.

Hart, Henry J., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,202,451; May 28.

Harwell, Thomas B., Henryetta, Okla. Mower. 2,202,774; May 28.

Haskins, Joseph F., Hawkesbury, Ontario, Canada, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic product and producing same. 2,202,003; May 28.

Hasler, Maurice F., West Hollywood, and R. W. Lindhurst and P. Cravitz, Los Angeles, Calif. Glow discharge tube. 2,202,101; May 28.

Hauber, Alfred R., Cleveland, Ohio, assignor to M. Hauber. Chair. 2,202,630; May 28.

Hauber, Mary. (See Hauber, Alfred R., assignor.)

Hauel, Anna P., New York, N. Y. Producing positive electrodes for lead-acid storage batteries. 2,202,489; May 28.

Haux, Elmer H., Parentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Double glazed window. 2,202,694; May 28.

Haver, Fritz W., Oelde Westphalia, Germany. Bag filling machine. 2,202,655; May 28.

Haynes, Cecil J., Houston Tex., assignor to Standard Oil Development Company. Well-logging electrode. 2,202,656; May 28.

Headrick, Louis B., Short Hills, N. J., assignor to Radio Corporation of America. Cathode ray tube. 2,202,631; May 28.

Hechtenberg, Wilhelm. (See Zerweck, W., and Hechtenberg.)

Hedges, William D. (See Hyatt, C. S., and Hedges.)

Heilbron, Isidor M., Manchester, England, F. Irving, Grangemouth, Scotland, and R. P. Linstead, London, England, assignors to Imperial Chemical Industries Limited. Coloring matters of the phthalocyanine type. 2,202,632; May 28.

Heiner, John N., Bethesda, Md. Valve. 2,202,004; May 28.

Heller, Joseph I., Brooklyn, N. Y., assignor to Breeze Corporations, Inc., Newark N. J. Radio direction finder. 2,202,552; May 28.

Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Adjustment device. 2,202,053; May 28.

Helsel, Reuben H., Long Island City, assignor to General Register Corporation, New York, N. Y. Ticked issuing machine. 2,202,377; May 28.

Henke, Clyde O. (See Fox, A. L., Henke, Lockwood, and Tinker.)

Henning, Hermann, Berlin-Reinickendorf, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany. Automatic gun. 2,202,201; May 28.

Hensel, Franz R., and K. L. Emmert, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact element. 2,202,054; May 28.

Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contacting element. 2,202,150; May 28.

Hercules Powder Company. (See Borglin, Joseph N., assignor.)

Hermani, Louis, Baltimore, Md., assignor to Owens-Illinois Can Company. Cover for tobacco jars. 2,202,796; May 28.

Heron, William E., Detroit, Mich. Smoking pipe, cigarette, and cigar holder. 2,202,288; May 28.

Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Flier for spinning machines. 2,202,289; May 28.

Herr, Harvey E., assignor to Herr Manufacturing Company, Buffalo, N. Y. Flier for spinning machines. 2,202,290; May 28.

Herr Manufacturing Company. (See Herr, Harvey E., assignor.)

Hertrich, Joseph, Mantua, N. J. Power transmission device. 2,202,378; May 28.

Herzog, Ewald, Berlin, assignor to Deutsche Gold und Silber Scheideanstalt, Frankfort-on-the-Main, Germany. Preparation of metallic oxides. 2,202,252; May 28.

Hesse, Guillanme, Huizen, Netherlands. Apparatus for exercising the fingers in the movements required for playing musical instruments. 2,202,202; May 28.

Hewel, Frank B., Pittsburgh, Pa. Oil filtering device. 2,202,379; May 28.

Heyer, Don, assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Electrically driven variable speed drive system. 2,202,553; May 28.

Heyer, Don, and T. G. Myers, Los Angeles, Calif., assignors to U. S. Electrical Motors, Inc. Variable speed power unit. 2,202,554; May 28.

Heyne, Clarence A. (See Jackson, A. S., and Heyne.)

Hiatt, Burritt M., assignor to The Irwin Auger Bit Company, Wilmington, Del. Tool-receiving handle. 2,202,253; May 28.

Hicks, Leslie A., Honolulu, Hawaii, assignor to Peabody Engineering Company, New York, N. Y. Air register. 2,202,524; May 28.

Higginbotham, Naomi W., Los Angeles, Calif. Bedspread roller. 2,202,582; May 28.

Hildabrand, Carl, Manila, P. I. System for determining quantities of rainfall over large geographical areas. 2,202,452; May 28.

Hill, John H., Wollaston, assignor to Gillett Safety Razor Company, Boston, Mass. Shaving implement. 2,202,203; May 28.

Hilliard, William P., Washington, D. C., and R. R. Brunner, assignors to Bendix Radio Corporation, Chicago, Ill. Radio direction finder. 2,202,583; May 28.

Hinckley, Frank B., Jr., Dallas, Tex. Combined cleaner and drier for cotton. 2,202,151; May 28.

Hitchcock, Lauren B., and R. E. Divine, Niagara Falls, assignors to Hooker Electrochemical Company, New York, N. Y. Stabilizing soaps. 2,202,103; May 28.

Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Recovery of molybdenum values. 2,202,525; May 28.

Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Purification of phosphoric acid. 2,202,526; May 28.

Hoge, John R., and L. D. Soubier, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Method of and apparatus for curing and molding synthetic or natural resins. 2,202,797; May 28.

Hogue, Henry J., assignor of one-third to C. L. Wasmer and one-third to J. C. Wasmer, Lakewood, Ohio. Reel. 2,202,204; May 28.

Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Confined or space resonance antenna. 2,202,380; May 28.

Holloway, Jesse F., Aldan, Pa. Brake rigging. 2,202,381; May 28.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 2,202,584; May 28.

Holmgren, Eric A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe machine. 2,202,005; May 28.

Holsclaw, Nell, Chicago, assignor of one-half to F. E. Sudlow, Rock Island, Ill. Razor. 2,202,633; May 28.

Holt, Carl E., Kansas City, Mo. Apparatus for refining used lubricating oil. 2,202,657; May 28.

Holtzclaw, John B., Los Angeles, Calif. Garter grip. 2,202,291; May 28.

Hoof, Addison C., Hinsdale, Ill. Remote control for governors. 2,202,422; May 28.

Hoof, Addison C., Hinsdale, Ill. Combined throttle and governor device. 2,202,423; May 28.

Hooker Electrochemical Company. (See Hitchcock, L. B., and Divine, assignors.)

Horn, A. C., & Company. (See Bishop, Richard E., assignor.)

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,202,102; May 28.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Making vehicle wheels. 2,202,400; May 28.

Horton, Bert, New York, N. Y. Trylon and perisphere. 2,202,382; May 28.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Can closing machine. 2,202,006; May 28.

Houdaille-Hershey Corporation. (See Sandberg, Ray A., assignor.)

Hough, William R., Cleveland, Ohio, assignor to The Reliance Electric and Engineering Company. Motor application for heated compartments. 2,202,424; May 28.

House, William R., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Receptacle and support therefor. 2,202,798; May 28.

Howard, Edward T., Cleveland, Ohio. Brush. 2,202,292; May 28.

Howe, Wilfred H., Winchester, assignor, by mesne assignments, to The Foxboro Company, Foxborough, Mass. Electric valve control system. 2,202,205; May 28.

Howley, Hubert W., Lawrence, Mass. Stabilizer for trailers. 2,202,658; May 28.

Hurley, John R., Wheaton, Ill. Domestic washing machine. 2,202,152; May 28.

Hurst, Ira N. (See Hansen, W. L., and Hurst.)

Huth, Erich F., G. m. b. H. (See Schedel, Hans, assignor.)

Hyatt, Charles S., and W. D. Hedges, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Waterproof lacquer. 2,202,254; May 28.

Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)

Hydraulic Coupling Patents Limited. (See Sinclair, H., and Clerk, assignors.)

Hymer, Harry E., Harrison, and R. Ferris, Eastchester, N. Y. Hydraulically adjustable furniture. 2,202,383; May 28.

I. G. Farbenindustrie Aktiengesellschaft. (See Schad, Konrad, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schad, K., and Ketzer, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schlack, Paul, assignor.)

Imperial Chemical Industries Limited. (See Butterworth, Ernest, assignor.)

Imperial Chemical Industries Limited. (See Butterworth, E., and Mitchell, assignors.)

Imperial Chemical Industries Limited. (See Butterworth, E., and Ridge, assignors.)

Imperial Chemical Industries Limited. (See Heilbron, I. M., Irving, and Linstead, assignors.)

Imperial Chemical Industries Limited. (See Tattersall, Harold J., assignor.)

Ingwer, Max, Forest Hills, assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y. Skirt marker. 2,202,659; May 28.

Ingwer, Max, Forest Hills, assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y. Skirt marker. 2,202,660; May 28.

Interchemical Corporation. (See Cassel, Norman S., assignor.)

International Metal Industries Limited. (See Brouse, William H. D., assignor.)

International Paper Box Machine Company, The. (See La Bombard, Leon E., assignor.)

International Standard Electric Corporation. (See Gloess, Paul F. M., assignor.)

International Standard Electric Corporation. (See Robin, Harold K., assignor.)

Ipatieff, Vladimir, and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of motor fuels. 2,202,104; May 28.

Irving, Francis. (See Heilbron, I. M., Irving, and Linstead.)

Irwin Auger Bit Company, The. (See Hiatt, Burritt M., assignor.)

Iske, Herbert. (See MacDonald, A. V., Minkler, and Iske.)

Islay Investment, Incorporated. (See Campbell, Donald J., assignor.)

Ittner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Distillation of fatty acids. 2,202,007; May 28.

Ittner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Distillation of fatty acids. 2,202,008; May 28.

Jackson, Albert S., and C. A. Heyne, Alton, Ill., assignors to Owens-Illinois Glass Company. Stenciling apparatus. 2,202,799; May 28.

Jackson, Marshall H. and W., River Forest, Ill. Seal press. 2,202,255; May 28.

Jackson, Warren. (See Jackson, Marshall H. and W.)

Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,202,105; May 28.

Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,202,734; May 28.

Jacobsen, Richard S., Wheaton, assignor to Reeves Pulley Company, Columbus, Ind. Variable speed transmission. 2,202,384; May 28.

Jacocks, George T., Larchmont, assignor to The Lummus Company, New York, N. Y. Return bend. 2,202,491; May 28.

Jacocks, George T., Larchmont, assignor to The Lummus Company, New York, N. Y. Fluid coupling. 2,202,492; May 28.

Jacocks, George T., Larchmont, assignor to The Lummus Company, New York, N. Y. Securing device. 2,202,493; May 28.

Jacocks, George T., Larchmont, assignor to The Lummus Company, New York, N. Y. Baffle. 2,202,494; May 28.

Jefferson Electric Company. (See Armstrong, Fred S., assignor.)

Jeffery, Winstone E. P., Shirley, England. Vehicle brake. 2,202,661; May 28.

Jenkinson, William R. (See Chambers, A. M., Jr., and Jenkinson.)

Jensen, Otto M., and F. T. Wruk, Racine, and T. W. Whitley, Kenosha, assignors to Peerless Machine Company, Racine, Wis. Hydraulic feed for power driven hack saws. 2,202,256; May 28.

Johnson, John S., Scranton, Pa. Corrosion resistant valve. 2,202,735; May 28.

Johnson, Lloyd A., Hillsborough, assignor to National Oil Seal Co., Oakland, Calif. Fluid seal. 2,202,206; May 28.

Johnson, Manfred J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Electric switch. 2,202,207; May 28.

Johnson, Rudolph O., Bedford, Pa. Power take-off attachment. 2,202,345; May 28.

Johnston, Dwight A., assignor to McKay Machine Company, Youngstown, Ohio. Unloading mechanism. 2,202,555; May 28.

Johnston, William R., Bronx, assignor to Standard Brands Incorporated, New York, N. Y. Determining the character of coffee. 2,202,385; May 28.

Jolivet, Maxime, West Englewood, Teaneck, N. J. Air moistener. 2,202,736; May 28.

Jones, Edward V. (See Link, William H., assignor.)

Jones, Kenneth B., assignor to Barrett & Hilp, San Francisco, Calif. Carton. 2,202,153; May 28.

Jones, Shelburne & Guffey, Inc. (See Guffey, Roy, assignor.)

Jordan, Arthur D., Franklin, Mass. Golf tee. 2,202,556; May 28.

Jordan, Cedric R., Sr., assignor of twenty-seven and one-half per cent to W. D. Cross and twenty-seven and one-half per cent to R. B. Gasque, Marion, S. C. Automotive tool. 2,202,585; May 28.

Juffa, Wilhelm, Ilmenau, Germany. Reducing piece for glass instruments for laboratory technics. 2,202,055; May 28.

Juhász, István, Budapest, Hungary. Determining the shooting elements of moving targets. 2,202,453; May 28.

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Baesgen, W., Demsky, and Pätzold, assignors.)

Jurick, Rudolph J., Irvington, N. J. Toy railway system. 2,202,557; May 28.

Juzi, Viktor, Ermatingen-on-the-Bodensee, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Regulating device for through-flow tubular steam generators. 2,202,495; May 28.

Kampfer, Adolf H., and A. Schattmann, Charlottenburg, Berlin, Germany; said Schattmann assignor to said Kampfer. Photographic filter. 2,202,737; May 28.
Kandetzki, Albert W., Stamford, Conn., assignor to Electrolux Corporation, Dover, Del. Latching device for vacuum cleaners. 2,202,056; May 28.
Kapelman, Louis, Brooklyn, N. Y. Vibratory tone enhancing and reinforcing bar for stringed musical instruments. 2,202,208; May 28.
Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,202,586; May 28.
Karolus, August, Leipzig, and F. Schröter, Berlin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray switch. 2,202,527; May 28.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Release device for wringers. 2,202,775; May 28.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Release device for wringers. 2,202,776; May 28.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,202,777; May 28.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,202,778; May 28.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,202,779; May 28.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Bearing for wringers and the like. 2,202,780; May 28.
Kaufmann, Egon, Mannheim, Germany. Brake mechanism. 2,202,454; May 28.
Keller, Roy E., Arlington, Va. Amusement device. 2,202,738; May 28.
Kellett Autogiro Corporation. (See Du Pont, Mark S., assignor.)
Kelsey-Hayes Wheel Company. (See Baisch, Carl F., assignor.)
Kendall Company, The. (See Reed, Raymond E., assignor.)
Kennedy, Albert C., assignor of one-half to J. C. Kennedy, Long Beach, Calif. Roller bearing drawer and guide. 2,202,209; May 28.
Kennedy, Janice C. (See Kennedy, Albert C., assignor.)
Kennedy, John F., East Cleveland, assignor of thirty-three and one-third per cent to F. Minardi and thirty-three and one-third per cent to J. F. Buiucklan, Cleveland, Ohio. Steering wheel instrument panel. 2,202,781; May 28.
Kernahan, Martin P., assignor to The Canister Company, Phillipsburg, N. J. Paper oil container. 2,202,558; May 28.
Ketzer, Robert. (See Schad, K., and Ketzer.)
Keyser, Patty S., Boise, Idaho. Comb cleaner. 2,202,559; May 28.
Kieweg, Homer, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Process and apparatus for vaporizing corrosive liquids. 2,202,800; May 28.
Kilby, Earl V., Chagrin Falls, Ohio. Fishing rod support. 2,202,739; May 28.
Kimberlin, Charles N., Baton Rouge, La., assignor to Standard Oil Development Company. High viscosity index, high viscosity oil compositions. 2,202,801; May 28.
King, Burdette M., Lancaster, Ohio. Apparatus for testing hardness of water. 2,202,346; May 28.
Kinney, Justus R., Boston, Mass. Broom. 2,202,695; May 28.
Kitchen, Harry E., assignor to Farrel-Birmingham Company, Inc., Buffalo, N. Y. Grinding machine. 2,202,587; May 28.
Klarer, Josef. (See Mietzsch, F., and Klarer.)
Klaver, Luite, Noordwijkerhout, Netherlands. Color photography. 2,202,257; May 28.
Klavik, Milos, Prague, Czechoslovakia. Automobile body. 2,202,456; May 28.
Klavik, Milos, Prague-Smichov, Czechoslovakia. Blower arrangement in air-cooled motors. 2,202,455; May 28.
Klein, Walter. (See Haderer, O. C., and Klein.)
Kling, Elmer M., Newton Center, Mass. Valve construction. 2,202,211; May 28.
Kloza, Daniel C., Harrison, N. J. Shoe cleaning shield. 2,202,560; May 28.
Kniepkamp, Heinrich, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrode system for cathode ray tubes. 2,202,588; May 28.
Knight, Herbert M., Montclair, N. J. Flood protection means. 2,202,662; May 28.
Knott, Arthur J., Natick, Mass. Doll's eye construction. 2,202,106; May 28.
Knox, Samuel L. G., Englewood, N. J., and F. O. Blackwell, Jr., Milwaukee, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Leveling device. 2,202,009; May 28.
Knox, Theodore M., Chicago, Ill. Feather quilling machine. 2,202,347; May 28.
Kobbe, Heinrich, Mannheim, Germany, assignor to General Aniline & Film Corporation. Producing transparent colors in lacquers. 2,202,057; May 28.
Koch, Frederick, Sparta, assignor to Associated Patentees, Inc., Ampere, N. J. Automatic milling machine. 2,202,210; May 28.
Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone circuit. 2,202,386; May 28.
Köhler, Helmut, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Adjustable support for electrical apparatus. 2,202,589; May 28.
Kollsman, Paul, New York, N. Y., assignor, by mesne assignments, to Square D Company, Detroit, Mich. Aperiodic compass. 2,202,154; May 28.
Kollsman, Paul, New York, N. Y., assignor, by mesne assignments, to Square D Company, Detroit, Mich. Miniature electric lamp bulb and socket combination. 2,202,155; May 28.
Kondolf, Mathias R., New Canaan, Conn. Purging apparatus and method of use. 2,202,010; May 28.
Korengold, John A., Chicago, Ill. Lighting shade. 2,202,590; May 28.
Korn, Max, Brooklyn, N. Y. Kitchen cabinet. 2,202,107; May 28.
Krenkel, Paul, Philadelphia, assignor to Textile Machine Works, Reading, Pa. Yarn carrier selector mechanism for knitting machines. 2,202,528; May 28.
Krish, John A., Torrington, Conn. Sash balance. 2,202,740; May 28.
Kronheim, Jacob, et al. (See Freund, Morris, assignor.)
Krueger, Albert G., F. P. Vaughan, N. J. Slye, and J. B. Engel, assignors to Bay West Paper Company, Green Bay, Wis. Paper dispensing cabinet. 2,202,011; May 28.
Krueger, Theodore H., Shelton, Conn. Device for applying stripe. 2,202,314; May 28.
Kunz, Eric C., Montclair, and A. T. Fiore, Passaic, N. J., assignors to Givaudan-Delawanna, Inc., New York, N. Y. Mineral oil solutions. 2,202,387; May 28.
La Bombard, Leon E., assignor to The International Paper Box Machine Company, Nashua, N. H. Machine for adhesively applying and securing covering material to articles. 2,202,496; May 28.
Laddon, Isaac M. (See Fleet, R. H., Wheatley, and Laddon.)
Lafeuille, Fernand, Paris, France. Rotary crystallizer-cooker. 2,202,696; May 28.
Lahey, Frank T., Monroe, N. Y. Making carpeting. 2,202,663; May 28.
Lahiere, Eugene A., Princeton, N. J., and T. Gillmet, Faust, N. Y. Window holder. 2,202,561; May 28.
La Hodny, William, Buffalo, N. Y. Mirror. 2,202,697; May 28.
Laise, Clemens A., Tenafly, N. J., deceased; Fidelity Union Trust Company and R. Sievert, executors. Refractory metal composition. 2,202,108; May 28.
Lake Shore Mines, Limited. (See Cramp, David L., assignor.)
Landahl, Eugene E., assignor to Palmer-Bee Company, Detroit, Mich. Overload release mechanism. 2,202,497; May 28.
Landfield, David. (See Moreau, M. E., and Landfield.)
Land O'Lakes Creameries, Inc. (See Leaf, Carl H., assignor.)
Langdon, Jesse D., Los Angeles, Calif. Resilient light socket and bracket extension. 2,202,315; May 28.
Larsen, Earl I. (See Hensel, F. R., and Larsen.)
Latta, Isaac R., Drexel Hill, Pa., assignor to General Electric Company. Electric switch. 2,202,698; May 28.
Lawson, Gottfrid C., Cleveland, Ohio. Venetian blind. 2,202,293; May 28.
Lawton, Chester S., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Apparatus for laying submarine cables. 2,202,156; May 28.
Leach, Bennett O., Westmoreland, Calif. Reversible disk plow. 2,202,348; May 28.
Leaf, Carl H., Luck, Wis., assignor to Land O'Lakes Creameries, Inc., Minneapolis, Minn. Machine and method for cooling powdered products. 2,202,498; May 28.
Leatherman, Martin, Hyattsville, Md., dedicated to the free use of the People in the Territory of the United States. Plant propagating pot. 2,202,664; May 28.
Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)
Lecher, Hans Z., Plainfield, and A. E. Pierce, Bound Brook, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Preparation of guanyl-urea-N-sulphonic acid. 2,202,212; May 28.
Lee, Harry. (See Müller, R., and Lee.)
Leeds, Laurance M., Schenectady, N. Y., assignor to General Electric Company. Transmission apparatus. 2,202,699; May 28.
Leeds, Laurance M., Scotia, N. Y., assignor to General Electric Company. Transmission apparatus. 2,202,700; May 28.
Le Geu, Marinus C., Hamburg, Germany, assignor to A. P. Schat, Utrecht, Netherlands. Luffing davit. 2,202,457; May 28.
Lehmann, Herbert, Hampstead, London, assignor to Riddell Products Limited, London, England. Inhalation apparatus. 2,202,701; May 28.
Lengel, Albert L., Berkeley, Calif. Printing process. 2,202,529; May 28.
Leonard, Paul B., assignor to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,202,294; May 28.

Lesavoy, Ely. (See Artzt, W., and Lesavoy.)
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe sewing machine. 2,202,388; May 28.
Levy, Henri G., San Francisco, Calif. Centrifuge. 2,202,157; May 28.
Levy, Rudolf, Berlin-Halensee, Germany. Device for reproducing cinematographic image records. 2,202,458; May 28.
Lewis Engineering Company, The. (See Johnson, Manfred J., assignor.)
Lewis, Joseph D., Santa Barbara, Calif. Lawn sprinkler. 2,202,349; May 28.
Lewis, Warren K., Newton, Mass., and J. M. Whiteley, Roselle, N. J., assignors to Standard Oil Development Company. Extraction of hydrocarbon material with light hydrocarbons. 2,202,389; May 28.
Lidseen, Gustave, Oak Park, assignor to Electric Household Utilities Corporation, Chicago, Ill. Domestic washing machine. 2,202,158; May 28.
Lier, Heinrich, assignor to the firm Chemical Works, formerly Sandoz, Basel, Switzerland. Green trisazo dyestuffs and their manufacture. 2,202,350; May 28.
Light, David M., assignor to American Steel Foundries, Chicago, Ill. Brake hanger bracket. 2,202,782; May 28.
Lincoln, John C., et al. (See Freund, Morris, assignor.)
Lind, Carl M., Waukegan, and J. H. Thomas, North Chicago, Ill., assignors to The American Steel and Wire Company of New Jersey. Crossed helical furniture tie spring. 2,202,562; May 28.
Lindholm, Arthur W., East Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging. 2,202,213; May 28.
Lindhurst, Roland W. (See Hasler, M. F., Lindhurst, and Cravitz.)
Lindner, Herbert. (See Möller, Georg, assignor.)
Lindner, Karl A., Plainfield, and B. Di Santo, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Material handling mechanism. 2,202,702; May 28.
Line Material Company. (See Smythe, Robert L., assignor.)
Lines, Edwin M. (See Graham, J. E., and Lines.)
Link-Belt Company. (See Wileman, Crozier S., assignor.)
Link, William H., assignor of forty-nine per cent to E. V. Jones, Los Angeles, Calif. Expansible hose nozzle. 2,202,459; May 28.
Linsell, Alfred A., Sydenham, London, England, assignor to Radio Corporation of America. Television receiver. 2,202,390; May 28.
Linstead, Reginald P. (See Heilbron, I. M., Irving, and Linstead.)
Lintern, Alfred R., assignor to Evans Products Company, Detroit, Mich. Vehicle ventilation apparatus. 2,202,703; May 28.
Lionel Corporation, The. (See Bonanno, Joseph L., assignor.)
Liveringhouse, Harry C., Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Brake. 2,202,530; May 28.
Livingston, Leon G., and A. O. Dinsdale, San Francisco, Calif.; said Dinsdale assignor to said Livingstone. Novelty clock. 2,202,214; May 28.
Lo Blue, Victor J., et al. (See Butera, Joseph, assignor.)
Lockwood, William H. (See Fox, A. L., Henke, Lockwood, and Tinker.)
Logue, Charles H., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine agitator drive mechanism. 2,202,499; May 28.
Long, James R., Annapolis, Md., assignor to Chicago Development Company, Chicago, Ill. Manganese alloy. 2,202,012; May 28.
Long, William B. (See Aub, S. L., and Long.)
Löpp, Edmund, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Vacuum tube device. 2,202,500; May 28.
Lorenz C., Aktiengesellschaft. (See Gossel, E., and Puhlmann, assignors.)
Lorenz, C., Aktiengesellschaft. (See Löpp, Edmund, assignor.)
Lougheed, Victor, Lucketts, Va. Reinforced plastic and material therefor. 2,202,013; May 28.
Lougheed, Victor, Lucketts, Va. Air propeller blade and material for making same. 2,202,014; May 28.
Lovell Manufacturing Company. (See Kauffman, Walter L., II, assignor.)
Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,202,351; May 28.
Luers, John M., Chesterfield Township, Macomb County, Mich. Parting tool. 2,202,591; May 28.
Lummus Company, The. (See Jacocks, George T., assignor.)
Lunsford, Jesse B. (See Seaman, E. F., and Lunsford.)
Lutz, August G., assignor to the firm H. F. Baumann, Mech. Kratzenfabrik G. m. b. H., Calw, Wurttenberg, Germany. Hand carding tool. 2,220,215; May 28.
Lynch, George E., Los Angeles, Calif. Apparatus for filtering gas and the like. 2,202,258; May 28.
Lyon Metal Products, Incorporated. (See Polen, Russel V., assignor.)
M and M Wood Working Company. (See Maurer, Sam, assignor.)
MacDonald, Archibald V., and R. A. Minkler, Los Angeles, and H. Iske, Alhambra, Calif. Stapling machine. 2,202,259; May 28.
Maciel, Frank F., Antioch, Calif. Shock absorber for motor vehicles. 2,202,460; May 28.
Mack, James M., Port Angeles, Wash. Apparatus for finding location. 2,202,634; May 28.
Madsen, Norman S., Michigan City, Ind., assignor to Sullivan Machinery Company. Feed controlling apparatus. 2,202,216; May 28.
Magazine Repeating Razor Company. (See Rodrigues, Octavius V., assignor.)
Magill, Paul La F., Ransomville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphurized dihydropolycyclic aromatic hydrocarbons and making same. 2,202,501; May 28.
Magill, Paul La F., Ransomville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphurized dihydronaphthalene dimer and making same. 2,202,502; May 28.
Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass. Coating steel. 2,202,531; May 28.
Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass. Selenium plating of steel. 2,202,532; May 28.
Mallory, Louis V., Salina, Kans., assignor of one-half to L. C. Mallory and B. J. Ray, Houston, Tex. Locking device. 2,202,217; May 28.
Mallory, Louise C., et al. (See Mallory, Louis V., assignor.)
Mallory, P. R., & Co. (See Hensel, F. R., and Emmert, assignors.)
Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)
Mallory, P. R., & Co. (See Peck, Gordon V., assignor.)
Mallory, Robert L., Houston, Tex., assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 2,202,218; May 28.
Malnick, Helen V., Chicago, Ill. Brassière. 2,202,058; May 28.
Mandery, Charles F., Omaha, Nebr. Air conditioned vehicle. 2,202,635; May 28.
Manhattan Shirt Company, The. (See Du Pree, Cornelius, assignor.)
Marcalus, Nicholas, Elizabeth, N. J. Waxing machine. 2,202,159; May 28.
Marinello, Carl, Chicago, Ill. Truck body construction. 2,202,015; May 28.
Markel, Leon. (See Reynolds, F. L., Markel, and Siebert.)
Marker, Russell E., and T. S. Oakwood, State College, Pa., assignors to Parke, Davis & Company, Detroit, Mich. Synthesizing therapeutic agents and products resulting therefrom. 2,202,704; May 28.
Marks, Barnard M., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plastic composition for use in interlayer sheets. 2,202,160; May 28.
Marshall, Donald A., Toronto, Ontario, Canada, assignor to Parts Manufacturing Company, Detroit, Mich. Forming ornamental strip metal. 2,202,295; May 28.
Marsilius, Newman M., Bridgeport, Conn., assignor, by mesne assignments, to Van Norman Machine Tool Company, Springfield, Mass. Hand milling machine. 2,202,425; May 28.
Martin-Hurst, William F. F., and J. A. H. Sargeaunt, assignors to The British Thermostat Company Limited, Sunbury-on-Thames, England. Temperature control device for internal combustion engines. 2,202,705; May 28.
Masler, Abraham, Brooklyn, N. Y. Presser foot attachment for sewing machines. 2,202,059; May 28.
Mason, Morris, Wood River, assignor to Standard Oil Company, Chicago, Ill. Thermocouple well assembly. 2,202,533; May 28.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric apparatus. 2,202,391; May 28.
Mason, William S., Ocean Beach, Calif. Piston ring. 2,202,802; May 28.
Master Metal Strip Service. (See Dahl, Oscar.)
Matela, John, assignor to W. S. Bednarski, Chicago, Ill. Device for collecting and removing slag in open hearth furnaces. 2,202,706; May 28.
Matinck, Jacob O. (See Cox, H. L., and Matlack.)
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire support. 2,202,707; May 28.
Maurer, Sam, Vancouver, British Columbia, Canada, assignor to M and M Wood Working Company, Portland, Oreg. Wood finishing process. 2,202,109; May 28.
Maurer, Sam, Vancouver, British Columbia, Canada, assignor to M and M Wood Working Company, Portland, Oreg. Woodwork incising machine. 2,202,110; May 28.
Maxson, William L., South Orange, N. J. Building block. 2,202,592; May 28.
Maxton, Alfred. (See Bartunek, R., and Maxton.)
Maxwell, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Detergent composition. 2,202,741; May 28.

May, Harold F., Valley Stream, and F. O. Stratton, assignors to The Teleregister Corporation, New York, N. Y. Quotation system. 2,202,392; May 28.
Mayer, Carl, Frankfort-on-the-Oder, assignor to R. Nolle, Berlin, Germany. Machine for grinding the crank pins of crankshafts. 2,202,111; May 28.
Maytag Company, The. (See Mikulasek, John, assignor.)
Maytag Company, The. (See Woodin, Charles K., assignor.)
McClelland, John H., Ferndale, Mich. Floor mat construction. 2,202,636; May 28.
McCorkhill, Jesse C., Jacksonville, Fla. Moisture absorbent. 2,202,742; May 28.
McCutcheon, Clyde A., Coraopolis, Pa., assignor to Pittsburgh Forgings Company. Manufacture of metal articles. 2,202,016; May 28.
McCutcheon, Clyde A., Coraopolis, Pa., assignor to Pittsburgh Forgings Company. Metal-shaping apparatus. 2,202,018; May 28.
McGugin, Frank W., Richmond, Calif. Clothespin. 2,202,352; May 28.
McGunn, John V., Chicago, Ill. Electric time lock for safes. 2,202,534; May 28.
McKay Machine Company. (See Johnston, Dwight A., assignor.)
McKelvy, Addison P., Kansas City, Mo., assignor to A. D. McKelvy, New York, N. Y. Vending machine. 2,202,112; May 28.
McKelvy, Alfred D. (See McKelvy, Addison P., assignor.)
McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Control system. 2,202,708; May 28.
Mentley, Max, assignor to National Broach & Machine Company, Detroit, Mich. Machine for manufacturing rotary gear cutters. 2,202,709; May 28.
Merrill Company, The. (See Fitzgerald, Louis A., assignor.)
Messina (Transvaal) Development Company. (See Emery, Augustus B., assignor.)
Metrawatt Aktiengesellschaft, Fabrik Elektrischer Messgeraete. (See Bernhard, A., Beyrich, and Aron, assignors.)
Metz, Anthony J., Sr., Davenport, Iowa. Motor vehicle construction. 2,202,665; May 28.
Metzger, William J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Uncoupling mechanism. 2,202,666; May 28.
Meyer, Irwin. (See Tornblom, N. A., and Meyer.)
Meyer, Wilfred N. (See Towne, C. C., and Meyer.)
Midland Steel Products Company, The. (See Smith, William E., assignor.)
Mietzsch, Fritz, and J. Klarer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Substituted sulphanilamides and making them. 2,202,219; May 28.
Mikaelson, Erik W., Easton, Pa. Strip coiling machine. 2,202,563; May 28.
Mikulasek, John, assignor to The Maytag Company, Newton, Iowa. Fluted drive torque. 2,202,667; May 28.
Miller, Benjamin, Richmond Hill, assignor to Power Patents Company, Hillside, N. J. Movable core spark plug. 2,202,220; May 28.
Miller Company, The. (See Runge, R. M. and Pascucci, assignors.)
Miller, David L., and A. G. Felker, Marshfield, Wis. Metal culvert. 2,202,743; May 28.
Miller, Pearle N., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,202,113; May 28.
Miller, Ralph. (See Hixson, A. W., and Miller.)
Miller, William M., Yucaipa, Calif. Trailer brake. 2,202,221; May 28.
Milmoe, Michael J., Glen Ellyn, assignor to F. B. Redington Co., Chicago, Ill. Feeding mechanism for wrapping machines. 2,202,503; May 28.
Minardi, Frances, et al. (See Kennedy, John F., assignor.)
Miner, Carl S., Glencoe, Ill., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of compositions containing components of the vitamin B complex. 2,202,161; May 28.
Minkler, Raymond A. (See MacDonald, A. V., Minkler, and Iske.)
Minnesota Mining & Manufacturing Company. (See Guth, Durward O., assignor.)
Minorsky, Nicolai, Brooklyn, N. Y. Antirolling stabilization of ships. 2,202,162; May 28.
Mitchell, Allister S., assignor to National Automotive Fibres, Inc., Detroit, Mich. Bat fabricating and cushion making apparatus. 2,202,710; May 28.
Mitchell, Doren, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm system. 2,202,060; May 28.
Mitchell, Joseph A. M. W. (See Butterworth, E., and Mitchell.)
Mitchell, Ralph A. (See Stocking, W. H., and Mitchell.)
Mobarry, Robert G., Bellflower, and J. B. Dabney, Los Angeles, Calif. Projecting apparatus. 2,202,061; May 28.
Mock, James C., Detroit, Mich. Convertible car wheel. 2,202,296; May 28.
Mohr, Elizabeth F. K. (See Mohr, Otto H., assignor.)
Mohr, Otto H., assignor to himself and E. F. K. Mohr, Concord, Calif., joint tenancy with right of survivorship. Solar actuated cooler. 2,202,019; May 28.
Möller, Georg, Berlin-Neukoelln, assignor to H. Lindner, Berlin-Wittenau, Germany. Centering means for drilling machine spindles. 2,202,222; May 28.
Montaldo, Lillian. (See Phillips, Thomas D., assignor.)
Moore, Francis J., Minneapolis, Minn. Toilet seat and cover. 2,202,668; May 28.
Moore, Francis J., Minneapolis, Minn. Toilet seat. 2,202,669; May 28.
Moore, Thomas F., Morris Plains, N J. Water mop. 2,202,223; May 28.
Moore, William E., Pittsburgh, Pa., assignor to Pittsburgh Research Corporation. Electric furnace. 2,202,224; May 28.
Morack, Marvin M., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system. 2,202,711; May 28.
Moreau, Marcel E., New York, and D. Landfield, Bronx, N. Y. Combination range and view finder. 2,202,593; May 28.
Morf, Ernest, La Chaux-de-Fonds, Switzerland. Exterior operating member for watertight watches. 2,202,114; May 28.
Morgan, Joseph G., Phoenixville, Pa. Photographic apparatus. 2,202,353; May 28.
Morrell, George, Corporation. (See Delorme, Jean, assignor.)
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,202,115; May 28.
Morrell, Jacque C., Oak Park, Ill. Wall structure. 2,202,783; May 28.
Morrison, Willard L., Lake Forest, Ill. Ventilating device for automobiles. 2,202,393; May 28.
Morse, Leland R., Chicago, Ill. Finishing laundered shirts. 2,202,062; May 28.
Morway, Arnold J., New York, N. Y., assignor to Standard Oil Development Company. Lubricant for high bearing pressures. 2,202,394; May 28.
Mosley, Thomas, Lawton, Okla. Device for cleaning waste pipes. 2,202,116; May 28.
Motor Wheel Corporation. (See Horn, Harry J., assignor.)
Motz, Eldon D., North Canton, Ohio. Vanity box. 2,202,744; May 28.
Moyer, Elmo E. (See Bedford, B. D., and Moyer.)
Mudford, Harry D., Blackley, Manchester, England, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Pigments for use in manufacture of artificial silk. 2,202,594; May 28.
Mudon, Thomas J., Hammond, Ind. Switch. 2,202,297; May 28.
Mulford, Henry K., E. S. Paisley, and A. F. Peters, assignors to The National Drug Company, Philadelphia, Pa. Closure for dispensing containers. 2,202,163; May 28.
Müller, Konrad, Berlin, Germany. Multiple tool holder. 2,202,117; May 28.
Muller, Max. (See Funcke, Carl, assignor.)
Müller, Richard, and H. Lee, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Manufacture of thorium oxide and contact masses therefrom. 2,202,637; May 28.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Paper equipment for calculating machines. 2,202,595; May 28.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,202,596; May 28.
Murray, Hugh E. (See Christopher, E. T., and Murray.)
Murray, Hugh E., and E. T. Christopher, Denver, Colo. Life preserver inflation means. 2,202,225; May 28.
Muse, Robert B., assignor to Barrett & Hilp, San Francisco, Calif. Building construction. 2,202,745; May 28.
Mu-Switch Corporation. (See Allen, Stratford B., assignor.)
Myers, John C., Sperry, assignor of one-half to J. W. Scott Drilling Company, Tulsa, Okla. Device for controlling the transmission of power to pumps. 2,202,504; May 28.
Myers, Thomas G. (See Heyer, D., and Meyers.)
Myerson, Simon, Brookline, Mass. Artificial tooth. 2,202,712; May 28.
Myerson, Simon, Brookline, Mass. Artificial tooth. 2,202,713; May 28.
Myerstuen, Andrew, Seattle, Wash. Ship ladder. 2,202,597; May 28.
N. V. Gebr. Stork & Co's Fabrik van Hijschwerktuigen. (See Esseling, Cornelis J., assignor.)
N. V. Koninklijke Pharmaceutische Fabrieken v./h. Brocades-Stheeman & Pharmacia. (See Schulte, Wilhelm, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)
Nachman Springfilled Corporation. (See Gleason, William W., assignor.)
Nampa, Sulo M., Detroit, Mich., assignor to Grade Crossing Guard Corporation, Memphis, Tenn. Crossing protective system. 2,202,316; May 28.
Nash, Arthur D., Sewickley, Pa., assignor to Pittsburgh Plate Glass Company. Producing a cellular glass product. 2,202,714; May 28.
Nash, Gerald J., Wichita Falls, Tex. Detachable float plug. 2,202,461; May 28.

National Aniline & Chemical Company. (See Ogilvie, James, assignor.)
National Automotive Fibres, Inc. (See Mitchell, Allister S., assignor.)
National Broach & Machine Company. (See Mentley, Max, assignor.)
National Broach & Machine Company. (See Praeg, Walter S., assignor.)
National Carbon Company, et al. (See Supplee, G. C., and Dorcas, assignors.)
National Drug Company, The. (See Mulford, H. K., Paisley, and Peters, assignors.)
National Lead Company. (See Mudford, Harry D., assignor.)
National Malleable and Steel Castings Company. (See Metzger, William J., assignor.)
National Oil Seal Co. (See Johnson, Lloyd A., assignor.)
National Television and Manufacturing Corporation. (See Harding, Robert, Jr., assignor.)
Neiley, Stephen B., Winchester, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Printing blanket. 2,202,020; May 28.
Newman, Ralph C., and J. W. Romig, Corning, N. Y., assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation. Silver formation. 2,202,118; May 28.
Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Filling end control. 2,202,226; May 28.
Nicholson, David B. (See Hamilton, J. H., and Nicholson.)
Nitardy, Ferdinand W., Brooklyn, N. Y., R. S. Westgate, Glen Ridge, and S. E. Werner, Highland Park, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Container closure. 2,202,021; May 28.
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company, Houston, Tex. Intermittently controlling the flow of fluids. 2,202,462; May 28.
Noland, Leroy E., Juneau, Alaska. Internal combustion engine. 2,202,227; May 28.
Nolle, Rudolf. (See Mayer, Carl, assignor.)
North American Rayon Corporation. (See Bartunek, R., and Maxton, assignors.)
Novadel-Agene Corporation. (See Panagopoulos, John, assignor.)
Novo Patents, Inc. (See Pascale, Pasquale, assignor.)
Nyhuis, Gerrit H., Hobart, Ind., assignor to Paramount Textile Machinery Co., Chicago, Ill. Knitting machine. 2,202,119; May 28.
Oakwood, Thomas S. (See Marker, R. E., and Oakwood.)
Oberle, Alfred, deceased, Washington, D. C.; G. Oberle, administratrix. Thermolizing liquids. 2,202,463; May 28.
Oberle, Grace. (See Oberle, Alfred.)
Oftedal, Maurice S. (See Dahl, Oscar, assignor.)
Ogilvie, James, Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Manufacture of benzophenone polycarboxylic acids. 2,202,063; May 28.
Ohio Brass Company, The. (See Averill, Rex G., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Ohio Crankshaft Company, The. (See Denneen, F. S., and Dunn, assignors.)
Old Colony Envelope Company. (See Davidson, P. B. and Adams, assignors.)
Olney, Ernest C., assignor to E. C. Olney & Company, Inc., Syracuse, N. Y. Accounting machine. 2,202,784; May 28.
Olney, E. C., & Company. (See Olney, Ernest C., assignor.)
Olsen, John H., assignor to Pulp Reproduction Company, Milwaukee, Wis. Molded article. 2,202,064; May 28.
Osmun, Fred N., Houston, Tex. Safety joint. 2,202,260; May 28.
Osmun, Fred N., Houston, Tex. Safety joint. 2,202,261; May 28.
Otto, Carl, Essen, and E. Grasshoff, Bochum, Germany; said Grasshoff assignor, by mesne assignments, to the firm Otto-Wilputte Ovenbouw Maatschappij N. V., The Hague, Netherlands, and said Otto assignor to Fuel Refining Corporation, Dover, Del. Locking and clearing coke oven door. 2,202,395; May 28.
Otto-Wilputte Ovenbouw Maatschapij N. V. (See Otto, C., and (Grasshoff, assignor).)
Outboard, Marine & Manufacturing Company. (See Conover, Warren C., assignor.)
Owen, George D., Brookneal, Va. Transplanter. 2,202,228; May 28.
Owen, George D., Brookneal, Va. Transplanter. 2,202,229; May 28.
Owen, Harold R., assignor to Electrical Products Corporation, Los Angeles, Calif. Shatterproof article of glass. 2,202,396; May 28.
Owen, Harold R., assignor to Electrical Products Corporation, Los Angeles, Calif. Unitary luminous display. 2,202,397; May 28.
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for pressing curved safety glass. 2,202,670; May 28.
Owens-Corning Fiberglas Corporation. (See Newman, R. C., and Romig, assignors.)
Owens-Corning Fiberglas Corporation. (See Siegfried, Claus, assignor.)
Owens-Illinois Can Company. (See Hermani, Louis, assignor.)
Owens-Illinois Glass Company. (See Hoge, J. R., and Soubier, assignors.)
Owens-Illinois Glass Company. (See House, William R., assignor.)
Owens-Illinois Glass Company. (See Jackson, A. S., and Heyne, assignors.)
Oxford Varnish Corporation. (See Hamant, E. W., and von Webern, assignors.)
Oxweld Acetylene Company. (See Wagner, Robert L., assignor.)
Oxweld Acetylene Company. (See Young, Lloyd W., assignor.)
Ozouf, Arthur E., assignor to The Allbright-Nell Co., Chicago, Ill. Apparatus for use in coating carcasses. 2,202,022; May 28.
Packard Motor Car Company. (See Miller, Pearle N., assignor.)
Paisley, Ellwood S. (See Mulford, H. K., Paisley, and Peters.)
Palmer-Bee Company. (See Landahl, Eugene E., assignor.)
Panagopoulos, John, Youngstown, Ohio, assignor to Novadel-Agene Corporation. Beer cooling and drawing system. 2,202,262; May 28.
Paramount Textile Machinery Co. (See Nyhuis, Gerrit H., assignor.)
Park, Chauncey M., Evanston, Ill. Power generating, transmitting, and delivering apparatus. 2,202,298; May 28.
Parke, Davis & Company. (See Hamilton, Cliff S., assignor.)
Parke, Davis & Company. (See Marker, R. E., and Oakwood, assignors.)
Parker, Humphrey F., Detroit, Mich. Fluid motor. 2,202,023; May 28.
Parker, Thaddeus C., Jr., Tampa, Fla. Agitating machine. 2,202,564; May 28.
Parsons, Fred A., assignor to The Falk Corporation, Milwaukee, Wis. Machine tool transmission and control. 2,202,263; May 28.
Partington, Robert M., New Lebanon, N. Y., assignor to General Electric Company. Electric circuit. 2,202,715; May 28.
Partington, Robert M., New Lebanon, N. Y., assignor to General Electric Company. Electric circuit. 2,202,716; May 28.
Parts Manufacturing Company. (See Marshall, Donald A., assignor.)
Pascale, Pasquale, New York, N. Y., assignor to Novo Patents, Inc. Steam stop valve. 2,202,164; May 28.
Pascucci, Ernest B. (See Runge, R. M., and Pascucci.)
Pattilloch, Donald K., assignor to Pattilloch Processes, Inc., Boston, Mass. Making paper. 2,202,717; May 28.
Pattilloch Processes, Inc. (See Pattilloch, Donald K., assignor.)
Pattison, Herbert J., Detroit, Mich. Graining machine. 2,202,465; May 28.
Pattison, Herbert J., assignor to Briggs Manufacturing Company, Detroit, Mich. Graining surfaces of irregularly shaped objects. 2,202,464; May 28.
Pätzold, Otto. (See Baesgen, W., Demsky, and Pätzold.)
Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. Bicycle stand. 2,202,426; May 28.
Peabody Engineering Corporation. (See Hicks, Leslie A., assignor.)
Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,202,165; May 28.
Peck, Gordon V., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Condenser mounting. 2,202,166; May 28.
Pedatella, Frank, New Kensington, Pa. Wall box switch. 2,202,535; May 28.
Peebles, Fred, Pasadena, Calif. Seat cover. 2,202,065; May 28.
Peerless Laboratories Inc. (See Drachman, M. J., and Stoye, assignors.)
Peerless Machine Company. (See Jensen, O. M., Wruk, and Whitley, assignors.)
Pelkey, Louis N., Howell, Mich. Dental polishing machine. 2,202,299; May 28.
People in the Territory of the United States, Dedicated to the free use of the. (See Eagleson, Craig, assignor.)
People in the Territory of the United States, Dedicated to the free use of the. (See Leatherman, Martin.)
People in the Territory of the United States, Dedicated to the free use of the. (See Ward, Kyle, Jr., assignor.)
Perfect Circle Company, The. (See Given, Fred H., assignor.)
Peterman, William A., assignor to Galland-Henning Mfg. Co., Milwaukee, Wis. Malting apparatus. 2,202,536; May 28.
Peters, Allen F. (See Mulford, H. K., Paisley, and Peters.)
Peters, Arthur H., Fort Wayne, Ind., assignor to American Ironing Machine Co., Algonquin, Ill. Ironing machine. 2,202,167; May 28.
Peterson, Burt A., assignor to Barber Colman Company, Rockford, Ill. Winder. 2,202,317; May 28.

Peterson, Frank O., Detroit, Mich. Stump sock. 2,202,598; May 28.
Peterson, Gunnard P., assignor to The Risdon Manufacturing Company, Naugatuck, Conn. Powder can closure. 2,202,466; May 28.
Peterson, Gustav T., Chicago, Ill. Scraper. 2,202,264; May 28.
Petty, Byron T., Effingham, Ill. Garment hanger. 2,202,120; May 28.
Phillips, Elmer P., Oakland, Calif. Laboratory stand. 2,202,265; May 28.
Phillips, Thomas D., Denver, Colo., assignor of fifty per cent to L. Montaldo, New York, N. Y. Lighting fixture. 2,202,266; May 28.
Pieragostini, Tazio D. (See Rossini, C., and Pieragostini.)
Pierce, Alan E. (See Lecher, H. Z., and Pierce.)
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pinkvoss, Berthold P., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Trimmer mechanism for sewing machines. 2,202,599; May 28.
Pitman, Henry L., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,202,671; May 28.
Pittsburgh Equitable Meter Company. (See Seibert, N. J., and Chrisman, assignors.)
Pittsburgh Forgings Company. (See McCutcheon, Clyde A., assignor.)
Pittsburgh Forgings Company. (See Stocking, W. H., and Mitchell, assignors.)
Pittsburgh Plate Glass Company. (See Arberry, James E., assignor.)
Pittsburgh Plate Glass Company. (See Fix, Earl L., assignor.)
Pittsburgh Plate Glass Company. (See Haux, Elmer H., assignor.)
Pittsburgh Plate Glass Company. (See Nash, Arthur D., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Pittsburgh Plate Glass Company. (See Sherts, James H., assignor.)
Pittsburgh Research Corporation. (See Moore, William E., assignor.)
Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Coloration of textile materials. 2,202,066; May 28.
Pneumatic Scale Corporation. (See Lindholm, Arthur W., assignor.)
Polen, Russell V., Dayton, Ohio, assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Combination clothes rack and locker. 2,202,427; May 28.
Poock, Louis F., assignor to The Cimatool Company, Dayton, Ohio. Machine tool. 2,202,428; May 28.
Poppenga, William B., Lennox, S. Dak. Wire reel. 2,202,398; May 28.
Posnack, Emanuel R., New York, N. Y. Holder for writing paraphernalia. 2,202,267; May 28.
Posnack, Emanuel R., New York, N. Y. Holder for desk paraphernalia. 2,202,300; May 28.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Forming separable fasteners. 2,202,230; May 23.
Power Patents Company. (See Miller, Benjamin, assignor.)
Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Testing apparatus. 2,202,638; May 28.
Price, Fannie, New York, N. Y. Pressing hair comb. 2,202,672; May 28.
Probst, Karl K., Detroit, Mich. Leaf spring construction. 2,202,301; May 28.
Pruess, Louis M. (See Stiles, H. R., and Pruess.)
Puhlmann, Werner. (See Gossel, E., and Puhlmann.)
Pulp Reproduction Company. (See Olsen, John H., assignor.)
Pyrene-Minimax Corporation. (See Timpson, Lewis G. M., assignor.)
R & R Mfg. Co. (See Robb, Alexander L., assignor.)
Raboisson, Joseph, Soultz, assignor to Society: "Manufacture Alsacienne de Broches, Anciennement les Fils d'Edouard Latscha S. a. r. L.," Soultz (Haut-Rhin), France. Self-centering spindle for spinning frames. 2,202,746; May 28.
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Carlson, Wendell La V., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Headrick, Lewis B., assignor.)
Radio Corporation of America. (See Linsell, Alfred A., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Stocker, Arthur C., assignor.)
Radio Corporation of America. (See Trevor, Bertram, assignor.)
Radio Corporation of America. (See Verbeek, H. P. J., and Tellegen, assignors.)
Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Battery charging system. 2,202,121; May 28.
Ralson, John C., Seabold, Wash. Table leg mounting. 2,202,318; May 28.
Ranco Incorporated. (See Leonard, Paul B., assignor.)
Ranco Incorporated. (See Raney, Estel C., assignor.)
Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,202,429; May 28.
Ratkovszky, Francis, Budapest, Hungary. Voltage-regulating equipment. 2,202,024; May 28.
Rauch, Louis J. and P., Brooklyn, N. Y. Reflector device. 2,202,168; May 28.
Rauch, Philip. (See Rauch, Louis J. and P.)
Ray, Bertha J., et al. (See Mallory, Louis V., assignor.)
Read, Herbert L. (See Dell, C., and Read.)
Rebeski, Hans, assignor to Arado Flugzeugwerke Gesellschaft mit beschraenkter Haftung, Brandenburg, Germany. Shifting flaps on aircraft. 2,202,430; May 28.
Reconstruction Finance Corporation. (See Visser, John, assignor.)
Redington, F. B., Co., (See Milmor, Michael J., assignor.)
Reed, Raymond E., assignor to The Kendall Company, Walpole, Mass. Collar, cuff, and the like and making same. 2,202,025; May 28.
Reeves Pulley Company. (See Jacobsen, Richard S., assignor.)
Reichert, Theophil, Brilon Wald, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y. Carbonization of wood and similing materials. 2,202,231; May 28.
Reid, Roswell S., assignor to West Virginia Newspaper Publishing Company, Morgantown, W. Va. Typewriter. 2,202,565; May 28.
Reliance Electric and Engineering Company. (See Geuder, Richard A., assignor.)
Reliance Electric and Engineering Company. (See Harrell, F. E., and Geuder, assignors.)
Reliance Electric and Engineering Company, The. (See Hough, William R., assignor.)
Remington Arms Company. (See Brun, Willi, assignor.)
Remington Arms Company. (See Reynolds, Warren S., assignor.)
Renwick, Frank F., Gidea Park, assignor to Ilford Limited, Ilford, Essex, England. Photographic printing process and material. 2,202,026; May 28.
Research Corporation. (See Green, Francis K., assignor.)
Reynolds, Frederick L., Mill Valley, L. Merkel, and J. A. Siebert, assignors, by mesne assignments, to United States Appliance Corporation, San Francisco, Calif. Chemical heating pad and manufacture. 2,202,067; May 28.
Reynolds, Warren S., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Packaging machine. 2,202,600; May 28.
Rheinmetall-Borsig Aktiengesellschaft. (See Henning, Hermann, assignor.)
Rheinmetall-Borsig Aktiengesellschaft. (See Rossmanith, Wolfgang, assignor.)
Riddell Products Limited. (See Lehmann, Herbert, assignor.)
Ridge, Bertram P. (See Butterworth, E., and Ridge.)
Ridgeway, Denis V., assignor to Baird Television Limited, London, England. Electromagnetic focusing coil. 2,202,505; May 28.
Ried, Robert C., West Conshohocken, Pa., assignor to Separation Process Company. Flotation reagent. 2,202,601; May 28.
Riesen, Frederick G., Sr., Milwaukee, Wis. Conveyer. 2,202,399; May 28.
Riesz, Robert R., Mount Vernon, assignor to Bell Telephone Laboratories, New York, N. Y. Artificial larynx. 2,202,467; May 28.
Risdon Manufacturing Company. (See Peterson, Gunnard P., assignor.)
Ritzert, Norman J. (See Freedlander, A. L., and Ritzert.)
Robb, Alexander L., Pasadena, assignor to R & R Mfg. Co., Los Angeles, Calif. Spark plug construction. 2,202,027; May 28.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Directive signaling. 2,202,400; May 28.
Robin, Harold K., Sidcup, Kent, England, assignor to International Standard Electric Corporation, New York, N. Y. Modifying capacity effect. 2,202,506; May 28.
Rochester Box & Lumber Co. (See Webb, Jesse H., assignor.)
Rodrigues, Octavius V., Fairfield, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Blade magazine for razors. 2,202,468; May 28.
Rohifes, Clemens, San Francisco, Calif. Price marking device. 2,202,268; May 28.
Rohrbacher, Karl, Berlin, Germany. Manufacture of paper bags. 2,202,431; May 28.
Roloson, Ruby R., Brady, Tex. Vehicle body. 2,202,747; May 28.
Romig, John W. (See Newman, R. C., and Romig.)
Rosen, Raphael, Elizabeth, N. J., assignor to Standard-I. G. Company. Improving knock rating of naphthas. 2,202,401; May 28.
Rossini, Caesar, and T. D. Pieragostini, New Haven, Conn. Broiler. 2,202,537; May 28.

Rossmanith, Wolfgang, Solothurn, assignor to Rheinmetall-Borsig Aktiengesellschaft, Duesseldorf, Germany. Cocking mechanism for automatic firearms. 2,202,232; May 28.
Rosso, John E., Virginia, Minn. Manual bookkeeping apparatus. 2,202,639; May 28.
Round, George W., Deerfield, Ohio. Skid-chain link. 2,202,319; May 28.
Royal Typewriter Company. (See Hart, Henry J., assignor.)
Ruch, Julius T., Indianapolis, Ind. Deep fat cooking apparatus. 2,202,602; May 28.
Rueb, Theodore O., assignor to The Sherman-Klove Co., Chicago, Ill. Ratchet wrench. 2,202,402; May 28.
Rundell, Theodore W., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,202,803; May 28.
Runge, Richard M., and E. B. Pascucci, assignors to The Miller Company, Meriden, Conn. Oil burner. 2,202,718; May 28.
Ruschig, Heinrich. (See Bockmuhl, M., Ehrhart, Ruschig, and Aumuller.)
Ryder, Charles D., Covington, assignor to The Grotelite Company, Bellevue, Ky. Overfeed device. 2,202,269; May 28.
S K F Industries, Inc. (See Brodin, Eric C., assignor.)
Sacerdote, Guido M., Bayside, N. Y. Cooking set. 2,202,320; May 28.
Saint Genies, Anne H. J. de L., Versailles, France. Apparatus for photography in relief with or without color. 2,202,354; May 28.
Saint Genies, Anne H. J. de L., Versailles, France. Method and apparatus for copying lenticular films. 2,202,355; May 28.
Samcoe Holding Corporation. (See Cohn, S., and Walter, assignors.)
Samuelson, Max, Newburgh, N. Y. Handbag plait. 2,202,673; May 28.
Sandberg, Ray A., Waukegan, assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Strainer assembly for refrigeration systems. 2,202,403; May 28.
Sangamo Company Limited. (See Anderson, C. G. H., and Fog, assignors.)
Sanitary Service Inc. (See Buckley, Duer H., assignor.)
Santucci, Gianfranco, Rome, Italy. Control means for a radio receiver. 2,202,432; May 28.
Sargeaunt, James A. H. (See Martin-Hurst, W. F. F., and Sargeaunt.)
Schaad, Raymond E. (See Ipatieff, V., and Schaad.)
Schad, Konrad, Frankfort-on-the-Main-Hochst, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Stability of luminous paints. 2,202,233; May 28.
Schad, Konrad, Frankfort-on-the-Main-Hochst, and R. Ketzer, Hofheim in Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Improving the stability of luminous paints. 2,202,234; May 28.
Schat, Ane P. (See Le Geu, Marinus C., assignor.)
Schattmann, Albert. (See Kampfer, A. H., and Schattmann.)
Schedel, Hans, Stuttgart, assignor, by mesne assignments, to E. F. Huth G. m. b. H., Berlin, Germany. Electric discharge vessel. 2,202,469; May 28.
Schedel, Hans, Stuttgart, assignor, by mesne assignments, to Erich F. Huth G. m. b. H., Berlin, Germany. Electron discharge tube. 2,202,470; May 28.
Schering Corporation. (See Einig, J., and Stahlberg, assignors.)
Schering Corporation. (See Sevag, Manasseh G., assignor.)
Schilde, Martin, New Orleans, La. Vehicle spring. 2,202,603; May 28.
Schlack, Paul, Berlin-Treptow, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Protecting goods containing proteins against insects. 2,202,169; May 28.
Schlipfer, Oscar, assignor to Sulser Frères Société Anonyme, Winterthur, Switzerland. Motor control system. 2,202,604; May 28.
Schmidt, Alfred M., Annaberg in Erzgebirge, Germany, assignor to General Electric Company. Protective device for electric circuits. 2,202,719; May 28.
Schneider, George. (See Dreyfus, C., and Schneider.)
Schneider, Jos., & Co. Optotechnische Gesellschaft Berlin. (See Tronnier, Albrecht W., assignor.)
Schreck, Irvin F., Cleveland, Ohio, assignor to Bond Foundry & Machine Company, Manheim, Pa. Directional control means for movable trucks and the like. 2,202,068; May 28.
Schröter, Fritz. (See Karolus, A., and Schröter.)
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television system. 2,202,605; May 28.
Schuldt, Elmer F., Chicago, Ill. Inflatable test plug. 2,202,321; May 28.
Schulte, Wilhelm, assignor to N. V. Koninklijke Pharmaceutische Fabrieken v./h. Brocades-Stheeman & Pharmacia, Meppel, Netherlands. Tampons and other porous articles and producing same. 2,202,566; May 28.
Schultz, Alfred S., and L. Atkin, Bronx, assignors to Standard Brands Incorporated, New York, N. Y. Maltose fermentation. 2,202,356; May 28.
Schultz, William F., Ripon, Wis. Fluid meter. 2,202,606; May 28.
Schumacher, August, Brookline, Mass. Plant thinning machine. 2,202,433; May 28.
Scott, Hazel B., et al., administrators. (See Arbuckle, Samuel F.)
Scott, J. W., Drilling Company. (See Myers, John C., assignor.)
Scott, Norman D., Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of sodium monoxide. 2,202,270; May 28.
Scruggs, Joseph A., Pensacola, Fla. Producing high-grade rosin and turpentine. 2,202,028; May 28.
Scull, R. D. Russell, Festus, Mo. Cigarette paper holder. 2,202,322; May 28.
Seaman, Ellsworth F., Washington, D. C., and J. B. Lunsford, East Falls Church, Va. Bowling pin. 2,202,674; May 28.
Sease, Will S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Apparatus for determining horizon productivity of wells. 2,202,404; May 28.
Secretary of Agriculture of the United States of America, Henry A. Wallace, and his successors in office. (See Christie, Alfred, assignor.)
Sedlon, Vincent J. (See Dekome, Arthur E., and H. C., and Sedlon.)
Seger, Francis M. (See Badertscher, D. E., Berger, and Seger.)
Seibert, Nelson, J., Wilkinsburg, and H. Chrisman, Edgewood, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Rotary type fluid meter. 2,202,122; May 28.
Selquist, Rolf, McKeesport, assignor to Copperweld Steel Company, Glassport, Pa. Line conductor reinforcement and tie. 2,202,538; May 28.
Separation Process Company. (See Ried, Robert C., assignor.)
Servel, Inc. (See Andersson, Sven W. E., assignor.)
Servel, Inc. (See Ullstrand, Hugo M., assignor.)
Servag, Manasseh G., Philadelphia, Pa., assignor to Schering Corporation, Bloomfield, N. J. Separating hormones from biological materials. 2,202,029; May 28.
Seybold, Frederick W., Westfield, assignor to American Type Founders Incorporated, Elizabeth, N. J. Composing room saw. 2,202,434; May 28.
Shell Development Company. (See van Dongen, J. R. J., and van Dijck, assignors.)
Shell Development Company. (See Yabroff, D. L., and White, assignors.)
Sheridan, Janes V. (See Forrester, J. W., and Sheridan.)
Sherman-Klove Co., The. (See Rueb, Theodore O., assignor.)
Sherts, James H., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Acid-proof container. 2,202,675; May 28.
Shoe Lace Company. (See Dagdigian, Aram, assignor.)
Shoetensack, Hideo M., Shibuya-Ku, Tokyo-Shi, Japan. Production of virus vaccine for treatment of canine distemper. 2,202,435; May 28.
Sickel, Helmut, Leipzig, Germany. Screwing device for screw-stoppered vessels. 2,202,302; May 28.
Siebert, Jack A. (See Reynolds, F. L., Markel, and Siebert.)
Siebler, Oscar, Zwickau, and W. Boxan, Zschopau, assignors to Auto Union Aktiengesellschaft, Chemnitz, Germany. Springing arrangement. 2,202,436; May 28.
Siegel, James C., New York, N. Y. Furniture lock. 2,202,539; May 28.
Siegfried, Claus, Dusseldorf, Germany, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Apparatus for making slivers or the like. 2,202,030; May 28.
Siemens & Halske, Aktiengesellschaft. (See Kniepkamp, Heinrich, assignor.)
Sievert, Rudolf, et al., executors. (See Laise, Clemens A.)
Sinclair, Harold, Kensington, London, and R. C. Clerk, Egham, assignors to Hydraulic Coupling Patents Limited, London, England. Transmission mechanism. 2,202,271; May 28.
Singer Manufacturing Company, The. (See Karle, John D., assignor.)
Singer Manufacturing Company, The. (See Pinkvoss, Berthold P., assignor.)
Slye, Norman J. (See Krueger, A. G., Vaughan, Slye, and Engel.)
Smith, Charles V., Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating yarn. 2,202,031; May 28.
Smith, Edward W., Melrose, assignor to Submarine Signal Company, Boston, Mass. Apparatus for vibrating paper making machines. 2,202,032; May 28.
Smith, Harold D., Los Angeles, Calif. Silencer. 2,202,272; May 28.
Smith, Webster D., Minneapolis, Minn. Air cooler and/or humidifier. 2,202,235; May 28.
Smith, William E., Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Resistance welding. 2,202,405; May 28.

Smythe, Robert L., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Switch lock construction. 2,202,170; May 28.

Society: "Manufacture Alsacienne de Broches, Ancienemement les Fils d'Edouard Latscha S. a. r. L." (See Raboisson, Joseph, assignor.)

Society of Chemical Industry in Basle. (See Albrecht, Otto, assignor.)

Socony-Vacuum Oil Company. (See Badertscher, D. E., Berger, and Seger, assignors.)

Solo, Adrian, Somerville, Mass. Septum splint. 2,202,748; May 28.

Soriano, Angelo, Brooklyn, N. Y. Lamp base. 2,202,357; May 28.

Soubier, Leonard D. (See Hoge, J. R., and Soubier.)

Spang, Joseph P., Quincy, assignor to Cube Steak Machine Company, Inc., Boston, Mass. Meat-slitting machine. 2,202,273; May 28.

Spensley, William R., et al. (See Caddy, Fred W., assignor.)

Sperry Gyroscope Company. (See Carter, Leslie F., assignor.)

Spielhagen, Walter, Berlin-Litchterfelde, Germany, assignor to General Electric Company. Electric valve converting system. 2,202,720; May 28.

Spinner, Isidore, Chicago, Ill. Ringlike device. 2,202,567; May 28.

Spray Engineering Company. (See Dennison, Frank G., assignor.)

Square D Company. (See Kollsman, Paul, assignor.)

Squibb, E. R., & Sons. (See Nitardy, F. W., Westgate, and Werner.)

Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Condensation apparatus. 2,202,406; May 28.

Stahlberg, Gerhard. (See Einig, J., and Stahlberg.)

Standard Brands Incorporated. (See Johnston, William R., assignor.)

Standard Brands Incorporated. (See Schultz, A. S., and Atkin, assignors.)

Standard-I. G. Company. (See Rosen, Raphael, assignor.)

Standard Oil Company. (See Mason, Morris, assignor.)

Standard Oil Company. (See Voorhees, Vanderveer, assignor.)

Standard Oil Development Company. (See Blau, L. W., and Statham, assignors.)

Standard Oil Development Company. (See Haynes, Cecil J., assignor.)

Standard Oil Development Company. (See Kimberlin, Charles N., assignor.)

Standard Oil Development Company. (See Lewis, W. K., and Whiteley, assignors.)

Standard Oil Development Company. (See Morway, Arnold J., assignor.)

Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)

Stanley Works, The. (See Doolittle, Howard C., assignor.)

Stanolind Oil and Gas Company. (See Sease, Will S., assignor.)

Statham, Louis. (See Blau, L. W., and Statham.)

Stelter, Walter W. P., Echo, Minn. Corn husking machine. 2,202,540; May 28.

Sterling Products Company. (See Wilson, William B., assignor.)

Steudel, Eberhard, Berlin-Dahlem, assignor to Allegemeine Elektricitatz Gesellschaft, Berlin, Germany. Electrode mounting. 2,202,607; May 28.

Stewart, Robert J., and W. I. Gladfelter, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling machine. 2,202,033; May 28.

Stiles, Hugh R., and L. M. Pruess, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Concurrent fermentations by means of yeast and butyl alcohol, producing bacteria. 2,202,785; May 28.

Stimson, Glen H., Royal Oak, Mich., assignor to Greenfield Tap and Die Corporation, Greenfield, Conn. Tap. 2,202,236; May 28.

Stocker, Arthur C., Haddon Heights, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Television system. 2,202,171; May 28.

Stocking, Walter H., Coraopolis, and R. A. Mitchell, Edgeworth, Pa., assignors to Pittsburgh Forgings Company. Bending machine. 2,202,017; May 28.

Stoll, Max, assignor, by mesne assignments, to Firmenich & Cie., Geneva, Switzerland. Higher aliphatic lactones and making them. 2,202,437; May 28.

Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control system. 2,202,172; May 28.

Stolp, Samuel S., Louisville, Ky., and R. C. Sutton, Pittsburgh, Pa., assignors to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Trolley contactor. 2,202,471; May 28.

Stone, Sol, Brooklyn, N. Y. Container. 2,202,358; May 28.

Stovall, John B., New Orleans, La. Shorts. 2,202,608; May 28.

Stoye, Kurt. (See Drachman, M. J., and Stoye.)

Stratton, Frazier O. (See May, H. F., and Stratton.)

Straub, Alvin L., Houston, Tex. Well cementing device. 2,202,173; May 28.

Strode-Victor W., Portland, Oreg. Vacuum preventer. 2,202,123; May 28.

Sturtevant, B. F., Company. (See Allen, George W., assignor.)

Sturtevant, B. F., Company. (See Hagen, Narold F., assignor.)

Sturzlinger, Charles, Bronx, N. Y. Ornamental stitch sewing machine. 2,202,609; May 28.

Submarine Signal Company. (See Smith, Edward W., assignor.)

Sudlow, Fred E. (See Holsclaw, Neil, assignor.)

Sullivan, Frank A., Elizabeth, N. J. Manufacturing materials for purification of gases. 2,202,174; May 28.

Sullivan Machinery Company. (See Holmes, Morris P., assignor.)

Sullivan Machinery Company. (See Madsen, Norman S., assignor.)

Sullivan, Robert F., Dallas, Tex. Sign mounting. 2,202,237; May 28.

Sullivan, Woodruff T., Norwich, Conn. Weft tension and loom stopping device. 2,202,323; May 28.

Sulzer Frères Société Anonyme. (See Schläpfer, Oscar, assignor.)

Sulzer Freres, Societe Anonyme. (See Juzi, Viktor, assignor.)

Supplee, George C., Bainbridge, N. Y., and M. J. Dorcas, Berea, Ohio, assignors of one-half to The Borden Company, and one-half to National Carbon Company, Inc. Method of and apparatus for irradiating liquids. 2,202,610; May 28.

Supplee, George C., Bainbridge, N. Y., and M. J. Dorcas, Berea, Ohio, assignors of one-half to The Borden Company, and one-half to National Carbon Company, Inc. Irradiating liquids. 2,202,611; May 28.

Sutton, Rufus C. (See Stolp, S. S., and Sutton.)

Swanson, Alfred, Los Angeles, Calif. Hydraulic checking mechanism. 2,202,303; May 28.

Swietochowski, Olivier, Mahrisch-Ostrau, Protectorate Moravia and Bohemia, former Czechoslovakia. High pressure steam generator. 2,202,507; May 28.

Sykes, William E., Buffalo, N. Y. Gear cutter. 2,202,407; May 28.

Talon, Inc. (See Poux, Noel J., assignor.)

Tanning Process Company, The. (See Edgar, David, assignor.)

Tattersall, Harold J., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Cellulose derivative composition. 2,202,124; May 28.

Tauschek, Gustav, New York, N. Y. Transferring or reproducing machine. 2,202,359; May 28.

Teeter, Wilford H., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,202,175; May 28.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Abrahamsohn, Max., assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Andrieu, Robert, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Berndt, Walter, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Karolus, A., and Schröter, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Köhler, Helmut, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)

Teleregister Corporation, The. (See May, H. F., and Stratton, assignors.)

Tellegen, B. D. H. (See Verbeek, H. P. J., and Tellegen.)

Temple, Robert, Jr., Pittsburgh, Pa. Pipe press. 2,202,125; May 28.

Tercero, Jesús M., Laredo, Tex. Dual accelerator. 2,202,126; May 28.

Textile Machine Works. (See Gastrich, Gustav, assignor.)

Textile Machine Works. (See Krenkel, Paul, assignor.)

Theenhausen, Heinrich. (See Bölter, W., and Theenhausen.)

Thexon Manufacturing Company. (See Worel, Glen J., assignor.)

Thomas, John H. (See Lind, C. M., and Thomas.)

Thomas, John W., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Container control mechanism. 2,202,640; May 28.

Thomas, William K., La Porte, Tex. Well heater. 2,202,034; May 28.

Thompson, A. R. (See Waterman, Frank A., assignor.)

Thompson Continuously Operating Filter Press Company. (See Thompson, Robert M., assignor.)

Thompson, Joseph W., Wichita, Kans. Sanitary trash container. 2,202,238; May 28.

Thompson Products Incorporated. (See Venditty, Anthony, assignor.)

Thompson, Robert M., assignor to Thompson Continuously Operating Filter Press Company, Seattle, Wash. Plug top closing member for filter presses. 2,202,239; May 28.

Tidler, Charles O., Tipton, Ind. Clock dial and mechanism. 2,202,438; May 28.

Timpson, Lewis G. M., Plainfield, assignor to Pyrene-Minimax Corporation, Newark, N. J. Apparatus for delivering air foam to sealed tanks. 2,202,176; May 28.

Tinker, John M. (See Fox, A. L., Henke, Lockwood, and Tinker.)

Tomalis, Joseph J., assignor to American Screw Company, Providence, R. I. Method and apparatus for heading screw blanks or the like. 2,202,324; May 28.

Tondreau, Albert W., Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Film apparatus. 2,202,127; May 28.

Topanelian, Edward, Jr., Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Pumping apparatus. 2,202,439; May 28.

Torgerson, Leonard G., Sioux City, Iowa. Steel trap. 2,202,408; May 28.

Tornblom, Nils A., Chicago, and I. Meyer, Cicero, Ill., assignors to Appleton Electric Company. Theftproof roadlight mounting. 2,202,472; May 28.

Towne, Charles C., Beacon, N. Y., and W. N. Meyer, Pryse, Ky. Lubricating composition. 2,202,128; May 28.

Towson, Sheldon K., Cleveland Heights, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Vehicular steering mechanism. 2,202,676; May 28.

Trapp, George J. (See Brock, D. T., and Trapp.)

Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Ultra short wave receiver. 2,202,035; May 28.

Troche, Herman J., assignor to The American Coach and Body Company, Cleveland, Ohio. Door construction. 2,202,274; May 28.

Tronnier, Albrecht W., Gottingen, assignor to Jos. Schneider & Co., Optotechnische Gesellschaft Berlin, Berlin, Germany. Asymmetric objective. 2,202,749; May 28.

Trosch, Alfred, assignor to Consolidated Machine-Tool Corporation, Rochester, N. Y. Control mechanism for boring mills and the like. 2,202,766; May 28.

Trosch, Alfred, assignor to Consolidated Machine Tool Corporation, Rochester, N. Y. Planer. 2,202,767; May 28.

Trotter, Walter F., Amelia, Ohio. Wrench socket. 2,202,240; May 28.

Tulloch, David, assignor to Diamond Expansion Bolt Company, Garwood, N. J. Method and apparatus for making helixes without the aid of a core or mandrel. 2,202,275; May 28.

Turner, Earl W., Kokomo, Ind., assignor of one-third to himself; one-third to E. E. Turner, one-sixth to E. W. Turner, trustee for J. E. Turner, one-sixth to E. W. Turner, trustee for H. C. Turner. Wheel balance weight. 2,202,129; May 28.

Turner, Earl W., et al. (See Turner, Earl W., assignor.)

Turner, Ellen E., et al. (See Turner, Earl W., assignor.)

Turner, Helen C. (See Turner, Earl W.)

Turner, Hubert S., New York, N. Y. Thermostat. 2,202,069; May 28.

Turner, John E. (See Turner, Earl W.)

Ullstrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,202,360; May 28.

Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)

Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)

Union Carbide and Carbon Corporation. (See Wagner, Robert L., assignor.)

United Shoe Machinery Corporation. (See Baroni, Sante, assignor.)

United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)

United Shoe Machinery Corporation. (See Holmgren, Eric A., assignor.)

United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)

United States Appliance Corporation. (See Reynolds, F. L., Markel, and Siebert, assignors.)

U. S. Electrical Motors, Inc. (See Heyer, Don, assignor.)

U. S. Electrical Motors, Inc. (See Heyer, D., and Myers, assignors.)

United States Rubber Company. (See Liveringhouse, Harry C., assignor.)

Universal Oil Products Company. (See Angell, Charles H., assignor.)

Universal Oil Products Company. (See Ipatieff, V., and Schaad, assignors.)

Universal Oil Products Company. (See Morrell, Jacque C., assignor.)

Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron beam control system. 2,202,612; May 28.

Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television transmission apparatus. 2,202,613; May 28.

Usinskis, Stasys, Kaunas, Lithuania. Marionette. 2,202,677; May 28.

Vanderbilt, R. T., Company. (See Alton, William H., assignor.)

Van Deren, Larry, Somerton, Ariz. Hydraulic brake coupling. 2,202,070; May 28.

Van Dijck, Willem J. D. (See van Dongen, J. R. J., and van Dijck.)

Van Dongen, Jan R. J., Emmastad, Curacao, Dutch West Indies, and W. J. D. van Dijck, The Hague, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Apparatus for contacting vapors and liquids. 2,202,071; May 28.

Van Doren, Wilbur E. (See Dresser, W. H., and Van Doren.)

Van Norman Machine Tool Company. (See Marsilius, Newman M., assignor.)

Van Sciver, Hugh R. (See Frederickson, E. A., Andersen, Van Sciver, and Zinkil.)

Vaughan, Frank P. (See Krueger, A. G., Vaughan, Slye, and Engel.)

Venditty, Anthony, Detroit, Mich., assignor to Thompson Products Incorporated, Cleveland, Ohio. Ball joint. 2,202,276; May 28.

Verbeek, Henri P. J., Voorburg, and B. D. H. Tellegen, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier circuit. 2,202,361; May 28.

Vickers, Archie P., St. Paul, Minn. Dental casting machine. 2,202,473; May 28.

Visser, John, Grand Rapids, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Instrument panel assembly. 2,202,277; May 28.

Von Okolicsanyi, Franz, Kensington, London, England. Television and like system. 2,202,541; May 28.

Von Webern, Guido. (See Hamant, E. W., and von Webern.)

Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Continuous chilling process for dewaxing. 2,202,542; May 28.

Vroom, Edward, Ossining, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,202,474; May 28.

Wadsworth, Frank L. O., deceased, by M. M. Wadsworth, administratrix, Pittsburgh, Pa., assignor to Ball Brothers Company, Muncie, Ind. Apparatus for shearing molten glass. 2,202,409; May 28.

Wadsworth, Mildred M., administratrix. (See Wadsworth, Frank L. O.)

Wagner, Robert L., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Metal shaping process and apparatus. 2,202,130; May 28.

Wagner, Robert L., Niagara Falls, N. Y., assignor, by mesne assignments, to Oxweld Acetylene Company. Circle cutting apparatus. 2,202,131; May 28.

Walberg, Bernard E., Worcester, Mass. Musical instrument of the flute type. 2,202,410; May 28.

Wald Manufacturing Company. (See Pawset, Ewald F., assignor.)

Walker, Raymond R., and G. S. Hahne, Follansbee, W. Va. Amusement riding apparatus. 2,202,543; May 28.

Walter, Jules G. (See Cohn, S., and Walter.)

Wampner, Herbert L., and C. Bogin, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Cellulose acetate composition. 2,202,804; May 28.

Warburton, Raymond A., Brooklyn, N. Y. Insulin composition and preparing the same. 2,202,325; May 28.

Ward, Kyle, Jr., Washington, D. C., dedicated to the free use of the People in the territory of the United States. Low viscosity starch adhesive and preparing the same. 2,202,678; May 28.

Ward, Raymond R., assignor to G. W. DeWees, Cleveland, Ohio. Cutting machine. 2,202,177; May 28.

Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)

Warren, Donald M., La Fayette, Ind. Paper toy. 2,202,036; May 28.

Wasmer, Charles L., et al. (See Hogue, Henry J., assignor.)

Wasmer, John C., et al. (See Hogue, Henry J., assignor.)

Waterman, Frank A., assignor of one-half to A. R. Thompson, Norfolk, Va. Release valve. 2,202,411; May 28.

Weatherly, Edward C., Redfield, S. Dak. Train order delivering device. 2,202,544; May 28.

Webb, Jesse H., assignor to Rochester Box & Lumber Co., Rochester, N. Y. Cleat fastening device for boxes. 2,202,545; May 28.

Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Elliptic spring. 2,202,786; May 28.

Weir, Perry, Frankfort, Mich., assignor, by mesne assignments, to Cherry Growers, Inc., Traverse City, Mich. Grading machine. 2,202,508; May 28.

Weisgerber, Charles F., assignor to Alloy Steel and Metals Company, Los Angeles, Calif. Electric melting furnace. 2,202,362; May 28.

Welles, Merrill C., Belmont, Mass. Animated display. 2,202,178; May 28.

Welty, Frank and R. D., Youngstown, Ohio. Faucet. 2,202,179; May 28.

Welty, Raymond D. (See Welty, Frank and R. D.)

Werner, Stanton E. (See Nitardy, F. W., Westgate, and Werner.)

West, George E., Kenosha, Wis. Molten metal apparatus. 2,202,180; May 28.

West, George E., Kenosha, Wis. Cap applying means. 2,202,181; May 28.

West Virginia Publishing Company. (See Reid, Roswell S., assignor.)

Western Union Telegraph Company, The. (See Lawton, Chester S., assignor.)
Westgate, Ralph S. (See Nitardy, F. W., Westgate, and Werner.)
Westinghouse Electric & Manufacturing Company. (See Brown, John L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bruckman, William C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanner, George E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rundell, Theodore W., assignor.)
Wheatley, William B. (See Fleet, R. H., Wheatley, and Laddon.)
White, Alice G., executrix. (See White, Joseph C.)
White, Ellis R. (See Yabroff, D. L., and White.)
White, Joseph C., deceased; A. G. White, executrix, Boston, Mass. Lighting device. 2,202,278; May 28.
Whiteley, James M. (See Lewis, W. K., and Whiteley.)
Whiting Corporation. (See Brown, Arthur J., assignor.)
Whitley, Thomas W. (See Jensen, O. M., Wruk, and Whitley.)
Widdifield, John W. (See Cotton, W. A., Jr., and Widdifield.)
Widmer, Gustav. (See Haller, R., and Widmer.)
Widmer, John, Rosedale, N. Y. Mouthpiece for smoking pipes. 2,202,182; May 28.
Wiegman, Ernst A., New York, N. Y. Pen. 2,202,304; May 28.
Wiezevich, Peter J., now by judicial change of name P. J. Gaylor, Elizabeth, N. J., assignor to Standard Oil Development Company. Plasticized synthetic rubber compositions. 2,202,363; May 28.
Wiezevich, Peter J., now by judicial change of name P. J. Gaylor, Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricating oil. 2,202,364; May 28.
Wileman, Crozier S., assignor to Link-Belt Company, Chicago, Ill. Grit collector. 2,202,475; May 28.
Williams Samuel H., Burlington Junction, Mo. Automatic direction signal for automobiles. 2,202,241; May 28.
Willson, Herbert S., assignor to Corning Glass Works, Corning, N. Y. Internally frosted glass article and making it. 2,202,326; May 28.
Wilson, Carroll L., Brookline, Mass., assignor to Electra Corporation, Wilmington, Del. Cigarette package. 2,202,281; May 28.
Wilson, Carroll L., Framingham Center, Mass., assignor to Electra Corporation, Wilmington, Del. Cigarette package. 2,202,279; May 28.
Wilson, Carroll L., Framingham, Mass., assignor to Electra Corporation, Wilmington, Del. Cigarette package. 2,202,280; May 28.
Wilson Supply Company. (See Nixon, Jeddy D., assignor.)
Wilson, William B., assignor to Sterling Products Company, Los Angeles, Calif. Sanding and rubbing device. 2,202,072; May 28.
Wintercorn, Andrew F., et al. (See Bazarek, Waldo J., assignor.)
Winthrop Chemical Company. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller, assignors.)
Winthrop Chemical Company. (See Mietzsch, F., and Klarer, assignor.)
Wolff, Paul, and E. Beniers, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. Acid indolylidiphenylmethane dyestuff. 2,202,037; May 28.
Wolff, Paul, and E. Beniers, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. Acid green indolylidiphenylmethane dyestuff. 2,202,038; May 28.
Wollenweber, Julius E., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Liquid measuring and dispensing device. 2,202,073; May 28.
Wood, Clarence G., Cleveland, Ohio. Clutch plate construction. 2,202,132; May 28.
Wood, Mildred C., Langhorne, Pa. Doll or display figure. 2,202,805; May 28.
Woodin, Charles K., assignor to The Maytag Company, Newton, Iowa. Tapered lug torque. 2,202,679; May 28.
Wooster, Philip A., San Francisco, Calif. Dispensing device. 2,202,183; May 28.
Worden, Ralph C., Buffalo, N. Y. Tiled wall. 2,202,568; May 28.
Worel, Glen J., assignor to Thexton Manufacturing Company, Inc., Minneapolis, Minn. Oil pressure regulator. 2,202,074; May 28.
Wortham, William E., St. Louis, Mo. Holder for eyeglasses. 2,202,242; May 28.
Wruk, Frank T. (See Jensen, O. M., Wruk, and Whitley.)
X-Sellent Novelty Company, The. (See Zumft, George V., assignor.)
Yabroff, David L., Berkeley, and E. R. White, Albany, assignors to Shell Development Company, San Francisco, Calif. Removal of mercaptans from hydrocarbon distillates. 2,202,039; May 28.
Yawman and Erbe Mfg. Co. (See Clark, James R., assignor.)
Yoe, Henry F., Grosse Pointe Park, Mich. Fire exit device with outside control. 2,202,075; May 28.
York, James H., Cincinnati, Ohio. Combined window shade and curtain bracket. 2,202,412; May 28.
Young, Lloyd W., Scotch Plains, N. J., assignor to Oxweld Acetylene Company. Circle cutting machine. 2,202,133; May 28.
Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
Yourek, John M., Chicago, Ill. Hair grip pin. 2,202,305; May 28.
Yunck, John A., South Orange, N. J., assignor to Corning Glass Works, Corning, N. Y. Frosted glass article and making it. 2,202,327; May 28.
Zagel, Abe S., Chicago, Ill. Universal support for light fixtures. 2,202,680; May 28.
Zeman, Antoinette W., Cleveland, Ohio. Ash tray. 2,202,365; May 28.
Zerweck, Werner, Frankfort-on-the-Main-Fechenheim, and W. Hechtenberg, Frankfort-on-the-Main, Germany, assignors, to General Aniline & Film Corporation. Sulphur dyestuff derived from indophenols. 2,202,040; May 28.
Zinkil, Roy H. (See Fredrickson, E. A., Andersen, Van Sciver, and Zinkil.)
Zumft, George V., Stony Brook, assignor to The X-Sellent Novelty Company, New York, N. Y. Bookmark. 2,202,787; May 28.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Control apparatus for radio receiving sets. R. B. Foster. Re. 21,463; May 28.
Fiber separating machine. D. E. Patterson. Re. 21,468; May 28.
Hydrocarbons, Conversion of. J. C. Morrell. Re. 21,464; May 28.
Hydrocarbons, Conversion of. J. C. Morrell and A. V. Grosse. Re. 21,465; May 28.
Hydrocarbons, Conversion of. J. C. Morrell. Re. 21,466; May 28.
Hydrocarbons, Conversion of. J. C. Morrell and A. V. Grosse. Re. 21,467; May 28.
Pipe for fire extinguishing purposes with a widening mouthpiece, Jet. P. Stein. Re. 21,469; May 28.
Remote control device. L. J. Andres. Re. 21,462; May 28.
Storage and dispensing apparatus for liquefied gas. L. J. White. Re. 21,470; May 28.
Wood products, Coloring of bent. W. C. Whyte. Re. 21,471; May 28.

LIST OF DESIGN INVENTIONS

Apparatus for spraying atomized liquids. C. F. Boe. 120,797; May 28.
Ash tray and sponge cup, Combination. F. Zuest. 120,795; May 28.
Atomizer. J. B. Schmitt. 120,763; May 28.
Basket or similar container. J. Ziska. 120,794; May 28.
Beater for eggs, cream, or the like. M. J. Zimmer. 120,771; May 28.
Bottle. J. L. Dunnock. 120,804; May 28.
Bottle. J. M. Foster. 120,750; May 28.
Bottle. B. D. Fuerst. 120,806; May 28.
Bottle. F. E. Higgins. 120,756; May 28.
Bottle. G. Wilmet. 120,769; May 28.
Bottle, Glass. L. J. Kihn. 120,813; May 28.
Bottle or similar article. M. S. Ireys. 120,846–7; May 28.
Box or similar container. L. A. Trevisan. 120,746; May 28.
Branch or arm for candelabra, Combination. A. Kowalsky. 120,835; May 28.
Brooch or similar article. J. Rodrigues. 120,839; May 28.
Brush. F. R. Weber. 120,843; May 28.
Buckle. H. Ganz. 120,730; May 28.
Burner, Oil. B. S. Williams. 120,768; May 28.
Camera. F. Gilbert. 120,731; May 28.
Cap, Condiment dispenser. V. Schindelbeck. 120,761–2; May 28.
Cap member for a detachable fastener or the like. S. Birnbaum. 120,723; May 28.
Card, Playing. F. W. Buck. 120,830; May 28.
Carpet or similar article. W. O. Dewsbury. 120,832; May 28.
Casing, Camera. G. Kende. 120,735; May 28.
Casing for a suction cleaner or similar article. H. Dreyfuss. 120,726; May 28.
Casing, Organ. G. P. Gubbins. 120,754; May 28.
Casing, Suction cleaner. J. B. Kirby. 120,736; May 28.
Cigarette roller. J. H. Fuller. 120,751; May 28.
Clock. P. Muller-Munk. 120,740; May 28.
Coat. S. De Pasquale. 120,779; May 28.
Comfortable. L. Goodstein. 120,809; May 28.
Comfortable. P. Joseph. 120,811–12; May 28.
Confectionery product. E. L. Schoettle. 120,789; May 28.
Container or the like, Pencil lead. D. Kahn. 120,734; May 28.
Container or the like, Perfume. B. H. Ogden. 120,786; May 28.
Coupon, Premium. A. A. Plock. 120,838; May 28.
Cuff link. C. Du B. Arcularius. 120,722; May 28.
Desk unit. B. G. Cronwell. 120,725; May 28.
Dispenser, Paper-towel. H. E. Houghton. 120,783; May 28.
Dispenser unit, Paper. W. B. Petzold. 120,743; May 28.
Display and stand, Combined nail polish. J. L. Youngbusband. 120,770; May 28.
Doll. W. Parry. 120,760; May 28.
Door closer. H. B. Gallinger. 120,752; May 28.
Dress. M. Birnbaum. 120,822–3; May 28.
Dress. P. Fracchia. 120,803; May 28.
Dress. P. Fracchia. 120,824–8; May 28.
Dress. P. Fracchia. 120,844–5; May 28.
Dress. A. Henry. 120,834; May 28.
Dress. P. Israel. 120,848; May 28.
Dress. H. Lindenbaum. 120,849; May 28.
Dress. M. V. Mascitelli. 120,836; May 28.
Dress. C. M. Neuhardt. 120,850–1; May 28.
Dress ensemble. F. L. Glass. 120,808; May 28.
Dress ensemble. H. C. Weingarten. 120,829; May 28.
Drier, Photographic print. J. J. Grabfield. 120,732; May 28.
Fabric, Textile. I. Brecher. 120,775; May 28.
Fabric, Textile. H. J. Carragher and T. B. Wilson. 120,748; May 28.
Fabric, Textile. H. J. Carragher and T. B. Wilson. 120,798–802; May 28.
Fabric, Textile. I. Cummings. 120,777–8; May 28.
Fabric, Textile. G. J. Finnegan. 120,781; May 28.
Fabric, Textile. R. S. Gentile. 120,753; May 28.
Fabric, Textile. R. S. Gentile. 120,807; May 28.
Fabric, Textile. M. L. Guhl. 120,833; May 28.
Fabric, Textile. F. Ullman. 120,841; May 28.
Font of type. F. Benioff. 120,774; May 28.
Game device. H. Singer. 120,840; May 28.
Globe and panel for lighting fixtures, Combined. A. L. Arenberg. 120,772–3; May 28.
Golf practice device. W. E. Kohl. 120,784; May 28.
Grave marker, Memorial. O. H. Harer. 120,755; May 28.
Grill and pan, Combined broiler. S. H. Hobson. 120,782; May 28.
Grill, Broiler. S. H. Hobson. 120,757; May 28.
Grille unit, Automobile. R. Cadwallader. 120,747; May 28.
Handbag or similar article. F. Kuhlman. 120,758; May 28.
Hat. L. Daché. 120,803; May 28.
Hat. J. E. Newman. 120,816; May 28.
Hinge, Toilet. D. S. Warth. 120,842; May 28.
Holder and diet chart, Combination toothpick. H. M. Hebel. 120,733; May 28.
Holder and straw dispenser, Combined napkin and menu. B. M. Oswell. 120,742; May 28.
Holder or similar article, Collar. C. Silverman. 120,745; May 28.
House, Bird. A. C. Larsen. 120,738; May 28.
House, Vacation. W. C. Callaway. 120,776; May 28.
Jar, Glass. W. J. Lundy. 120,815; May 28.
Lamp head. A. O. Elting. 120,727–8; May 28.
Mirror and lamp, Combined. F. E. Everson. 120,780; May 28.
Pad, pencil and receptacle therefor, Combined memorandum. S. Brodsky. 120,724; May 28.
Pad unit, Desk. W. B. Petzold. 120,744; May 28.
Rack, Display. E. R. Erickson. 120,729; May 28.
Rack, Pipe. H. Lathrop. 120,785; May 28.
Reflector for bicycles. H. W. Krans. 120,737; May 28.
Receptacle, Flexible. V. Linderman. 120,814; May 28.
Redingote. S. Novak. 120,837; May 28.
Ring, Fastener prong. T. F. Slater. 120,764–6; May 28.
Ring, Fastener prong. T. F. Slater. 120,790–1; May 28.
Rug. M. V. Chevers. 120,831; May 28.
Saw, Printer's. G. W. Tammen. 120,792; May 28.
Shade, Lamp. O. H. Williams. 120,767; May 28.
Shears, Electric. J. Pollak. 120,817; May 28.
Shoe. M. Berkman. 120,796; May 28.
Signaling device. W. J. Corbett. 120,749; May 28.
Spoon, Measuring. E. L. O'Bryon. 120,759; May 28.
Spotlight or similar article. W. E. Naylor. 120,741; May 28.
Stand, Collapsible serving. D. Thomas. 120,793; May 28.
Suit or similar article, Bathing. B. J. Hoffman, Jr. 120,810; May 28.
Theatre front. V. A. Rigaumont. 120,788; May 28.
Toy sandbox. E. G. McCandlish. 120,739; May 28.
Trimming, Embroidered. E. A. Pulver. 120,818–20; May 28.
Valve unit, Power operated. E. J. Svenson. 120,821; May 28.
Walker and stroller or similar article, Combination child's. L. Peltier. 120,787; May 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF MAY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorbent, Moisture. J. C. McCorkhill. 2,202,742; May 28.
Accelerator, Dual. J. M. Tercero. 2,202,126; May 28.
Accounting machine. E. C. Olney. 2,202,784; May 28.
Acid, Preparation of guanyl-urea-N-sulphonic. H. Z. Lecher and A. E. Pierce. 2,202,212; May 28.
Acid, Purification of phosphoric. A. W. Hixson and R. Miller. 2,202,526; May 28.
Acids, Distillation of fatty. M. H. Ittner. 2,202,007–8; May 28.
Acids, Manufacture of benzophenone polycarboxylic. J. Ogilvie. 2,202,063; May 28.
Acids, Thermal dehydration of lower fatty. H. Dreyfus and L. Fallows. 2,202,046; May 28.
Acidproof container. J. H. Sherts. 2,202,675; May 28.
Adhesive. P. B. Davidson and J. R. Adams. 2,202,247; May 28.
Adhesive and preparing the same, Low viscosity starch. K. Ward, Jr. 2,202,678; May 28.
Adhesive for an abrasive article such as sandpaper, Bonding. D. O. Guth. 2,202,765; May 28.
Adjustable joint. M. J. Drachman and K. Stoye. 2,202,195; May 28.
Adjustment device. W. F. Helmond. 2,202,053; May 28.
Agitating machine. T. C. Parker, Jr. 2,202,564; May 28.
Air conditioned vehicle. C. F. Mandery. 2,202,635; May 28.
Air cooler and/or humidifier. W. D. Smith. 2,202,235; May 28.
Air moistener. M. Jolivet. 2,202,736; May 28.
Alarm system. D. Mitchell. 2,202,060; May 28.
Alarm, Time switch. H. H. Andersen. 2,202,721; May 28.
Alloy: *See*—
  Manganese alloy. Resistant alloy.
Amplifier circuit. H. P. J. Verbeek and B. D. H. Tellegen. 2,202,361; May 28.
Amusement device. R. E. Keller. 2,202,738; May 28.
Amusement ride. J. R. Dyke. 2,201,993. May 28.
Amusement riding apparatus. R. R. Walker and G. S. Hahne. 2,202,543; May 28.
Anchoring. J. Chmura. 2,202,336; May 28.
Animated display. M. C. Welles. 2,202,178; May 28.
Antenna, Loop. W. Berndt. 2,202,368; May 28.
Antenna, Confined or space resonance. H. E. Hollmann. 2,202,380; May 28.
Antipick lock. S. Braune. 2,202,329; May 28.
Apparatus for contacting vapors and liquids. J. R. J. van Dongen and W. J. D. van Dijck. 2,202,071; May 28.
Apparatus for delivering air foam to sealed tank. L. G. M. Timpson. 2,202,176; May 28.
Apparatus for fabricating flexible shafts. L. F. Hahn. 2,202,580; May 28.
Apparatus for determining horizon productivity of wells. W. S. Sease. 2,202,404; May 28.
Apparatus for exercising the fingers in the movements required for playing musical instruments. G. Hesse. 2,202,202; May 28.
Apparatus for filtering gas and the like. G. E. Lynch. 2,202,258; May 28.
Apparatus for finding location. J. M. Mack. 2,202,634; May 28.
Apparatus for laying submarine cables. C. S. Lawton. 2,202,156; May 28.
Apparatus for making containers. C. S. Berkstresser. 2,202,082; May 28.
Apparatus for making roofing granules. C. L. Colbert. 2,202,090; May 28.
Apparatus for making slivers or the like. C. Siegfried. 2,202,030; May 28.
Apparatus for photography in relief with or without color. A. H. J. de L. Saint Genies. 2,202,354; May 28.
Apparatus for pressing curved safety glass. W. Owen. 2,202,670; May 28.
Apparatus for progressive heat treatment. F. S. Denneen and W. C. Dunn. 2,202,758; May 28.
Apparatus for refining used lubricating oil. C. E. Holt. 2,202,657; May 28.
Apparatus for shearing molten glass. F. L. O. Wadsworth. 2,202,409; May 28.
Apparatus for testing hardness of water. B. M. King. 2,202,346; May 28.
Apparatus for treating workpieces. F. G. Dennison. 2,201,991; May 28.
Apparatus for use in coating carcasses. A. E. Ozouf. 2,202,022; May 28.
Apparatus for use in the manufacture of paper. K. Dammann. 2,202,757; Mar. 28.

Apparatus for vibrating paper making machines. E. W. Smith. 2,202,032; May 28.
Arsenic compounds and obtaining the same, Organic. C. S. Hamilton. 2,202,733; May 28.
Article of glass, Shatterproof. H. R. Owen. 2,202,396; May 28.
Article, Smoker's. E. R. Frantz. 2,202,342; May 28.
Ashtray. A. W. Zeman. 2,202,365; May 28.
Asymmetric objective. A. W. Tronnier. 2,202,749; May 28.
Automobile body. M. Klavik. 2,202,456; May 28.
Automotive tool. C. R. Jordan. 2,202,585; May 28.
Baffle. G. T. Jacocks. 2,202,494; May 28.
Bag filling machine. F. W. Haver. 2,202,655; May 28.
Bags, Manufacture of paper. K. Rohrbacher. 2,202,431; May 28.
Balance, Sash. J. A. Krisb. 2,202,740; May 28.
Ball joint. A. Venditty. 2,202,276; May 28.
Banner, Aerial. M. S. Du Pont. 2,202,771; May 28.
Base, Lamp. A. Soriano. 2,202,357; May 28.
Bat fabricating and cushion making apparatus. A. S. Mitchell. 2,202,710; May 28.
Battery charging system. W. J. Rady. 2,202,121; May 21.
Beam for building construction, Temporary. C. Dell and H. L. Read. 2,202,096; May 28.
Bearing for wringers and the like. W. L. Kauffman. 2,202,780; May 28.
Bearing member. F. H. Given. 2,202,773; May 28.
Bed, and particularly bed pivoted to assume an upright position. W. Deschamps. 2,202,248; May 28.
Beer cooling and drawing system. J. Panagopoulos. 2,202,262; May 28.
Belt. F. M. Blossom. 2,202,644; May 28.
Belt connector. A. L. Feedlander and N. J. Ritzert. 2,202,250; May 28.
Bend, Return. G. T. Jacocks. 2,202,491; May 28.
Bending machine. W. H. Stocking and R. A. Mitchell. 2,202,017; May 28.
Bicycle stand. E. F. Pawsat. 2,202,426; May 28.
Binder, Loose leaf. E. N. Farkas. 2,202,097; May 28.
Binder, Loose-leaf. E. N. Farkas. 2,202,518; May 28.
Black spot compensation apparatus. R. Andrieu. 2,202,511; May 28.
Blanket, Heated automobile. A. L. Clark. 2,201,984; May 28.
Blanket, Printing. S. B. Neiley. 2,202,020; May 28.
Blind, Venetian. C. M. Brenner. 2,202,752; May 28.
Blind, Venetian. G. C. Lawson. 2,202,293; May 28.
Block: *See*—
  Building block. Pulley block.
Blocking machine for hats, Wet. J. Auer. 2,202,367; May 28.
Blower arrangement in air-cooled motors. M. Klavik. 2,202,455; May 28.
Bookkeeping apparatus, Manual. J. E. Rosso. 2,202,639; May 28.
Bookmark. G. V. Zumft. 2,202,787; May 28.
Bowl, Swiveling closter. E. A. Fredrickson, L. Andersen, H. R. Van Sciver, and R. H. Zinkil. 2,202,486; May 28.
Bowling pin. E. F. Seaman and J. B. Lunsford. 2,202,674; May 28.
Box: *See*—
  Vanity box.
Box strapping tool. H. C. Doolittle. 2,202,194; May 28.
Bracket: *See*—
  Hanger bracket. Shade and curtain bracket.
Brake: *See*—
  Mechanical load brake. Vehicle brake.
  Trailer brake.
Brake. G. A. Goepfrich. 2,201,999; May 28.
Brake. H. C. Liveringhouse. 2,202,530; May 28.
Brake mechanism. C. F. Baisch. 2,202,642; May 28.
Brake mechanism. E. Kaufmann. 2,202,454; May 28.
Brake rigging. J. F. Holloway. 2,202,381; May 28.
Brassière. H. V. Mainick. 2,202,058; May 28.
Broiler. C. Rossini and T. D. Pieragostini. 2,202,537; May 28.
Broom. J. R. Kinney. 2,202,695; May 28.
Brush. E. T. Howard. 2,202,292; May 28.
Brush, Portable rotary. R. A. Dunnam. 2,202,285; May 28.
Bucket, Concrete. F. T. Crowe. 2,202,284; May 28.
Building block. W. L. Maxson. 2,202,592; May 28.
Building block, Concrete. H. D. Gustine. 2,202,764; May 28.
Building construction. R. B. Muse. 2,202,745; May 28.

Bumper, Cushioned. J. Gibbons. 2,202,050; May 28.
Burner: *See*—
  Oil burner.
Cabinet: *See*—
  Dispensing cabinet. Kitchen cabinet.
  Filing cabinet. Paper dispensing cabinet.
Cabinet for filing microscopic slides. J. C. and I. J. Ehrlich. 2,202,047; May 28.
Cages for roller bearings, Making. K. E. A. Göthberg. 2,202,792; May 28.
Calculating machine. R. L. Muller. 2,202,596; May 28.
Camera. C. W. Buckham. 2,202,138; May 28.
Camshaft. D. T. Brock and G. J. Trapp. 2,202,330; May 28.
Can closing machine. J. M. Hothersall. 2,202,006; May 28.
Cap: *See*—
  Valve cap.
Cap applying means. G. E. West. 2,202,181; May 28.
Capacity effect, Modifying. H. K. Robin. 2,202,506; May 28.
Car door. F. Ditchfield. 2,202,688; May 28.
Carding tool, Hand. A. G. Lutz. 2,202,215; May 28.
Carpeting, Making. F. T. Lahey. 2,202,663; May 28.
Carton. K. B. Jones. 2,202,153; May 28.
Car wheel, Convertible. J. C. Mock. 2,202,296; May 28.
Casing-head structure. H. F. Cypher. 2,202,192; May 28.
Cathode ray switch. A. Karolus and F. Schröter. 2,202,527; May 28.
Cathode ray transmitting tube. M. Abrahamsohn. 2,202,614; May 28.
Cathode ray tube. L. B. Headrick. 2,202,631; May 28.
Cellulose acetate composition. H. L. Wampner and C. Bogin. 2,202,804; May 28.
Cellulose derivative composition. H. J. Tattersall. 2,202,124; May 28.
Cellulosic product and producing same. J. F. Haskins. 2,202,003; May 28.
Centering means for drilling machine spindles. G. Möller. 2,202,222; May 28.
Centrifuge. H. G. Levy. 2,202,157; May 28.
Ceramic support. A. L. Davis. 2,201,989; May 28.
Chain locking means. J. Fermanick. 2,202,447; May 28.
Chair. A. R. Hauber. 2,202,630; May 28.
Checking mechanism, Hydraulic. A. Swanson. 2,202,303; May 28.
Chemical heating pad and manufacture. F. L. Reynolds, L. Markel and J. A. Siebert. 2,202,067; May 28.
Chilling process for dewaxing, Continuous. V. Voorhees. 2,202,542; May 28.
Cigarette package. C. L. Wilson. 2,202,279–81; May 28.
Cinematographic image records, Device for reproducing. R. Levy. 2,202,458; May 28.
Circle cutting apparatus. R. L. Wagner. 2,202,131; May 28.
Circle cutting machine. L. W. Young. 2,202,133; May 28.
Circuit: *See*—
  Amplifier circuit. Power supply circuit.
  Electric circuit. Rectifier circuit.
  Electric valve circuit. Telephone circuit.
Circuit breaker. W. H. Frank. 2,202,626; May 28.
Circuit control device, Fuse operated electric. A. U. Broune. 2,202,621; May 28.
Circuits, Cathode ray tube detector. C. W. Hansell. 2,202,376; May 28.
Circuits, Frequency control. A. V. Bedford. 2,201,978; May 28.
Circuits, Thermionic valve. P. F. M. Gloess. 2,202,522; May 28.
Classification system. W. B. Foulke. 2,202,418; May 28.
Cleaner: *See*—
  Comb cleaner. Vacuum cleaner.
Cleaner and dryer for cotton, Combined. F. B. Hinckley, Jr. 2,202,151; May 28.
Clock, Novelty. L. G. Livingston and A. O. Dinsdale. 2,202,214; May 28.
Closure, Container. F. W. Nitardy, R. S. Westgate and S. E. Wern. 2,202,021; May 28.
Closure device. A. R. Glidden. 2,202,653; May 28.
Closure for dispensing containers. H. K. Mulford, E. S. Paisley, and A. F. Peters. 2,202,163; May 28.
Clothesline supporting structure. P. Davis. 2,202,193; May 28.
Clothespin. F. W. McGugin. 2,202,352; May 28.
Clover and alfalfa hulling attachment for threshing machines and combines. H. Fank. 2,202,760; May 28.
Clutch plate construction. C. G. Wood. 2,202,132; May 28.
Coating, Protective. H. L. Baron. 2,201,981; May 28.
Cocking mechanism for automatic firearms. W. Rossmanith. 2,202,232; May 28.
Coffee, Determining the character of. W. R. Johnston. 2,202,385; May 28.
Coil, Electromagnetic focusing. D. V. Ridgeway. 2,202,505; May 28.
Collar, cuff, and the like and method of making same. R. E. Reed. 2,202,025; May 28.
Color photography. L. Klaver. 2,202,257; May 28.
Colors in lacquers, Producing transparent. H. Kobbe. 2,202,057; May 28.
Coloring matters of the phthalocyanine type. I. M. Heilbrom, F. Irving, and R. P. Linstead. 2,202,632; May 28.
Comb. T. R. Cobb. 2,202,089; May 28.
Comb cleaner. P. S. Keyser. 2,202,559; May 28.
Comb cleaning device, Sanitary. J. J. Calleo. 2,202,516; May 28.
Comb, Pressing hair. F. Price. 2,202,672; May 28.
Compass, Aperiodic. P. Kollsman. 2,202,154; May 28.
Compositions containing components of the vitamin B complex, Production of. C. S. Miner. 2,202,161; May 28.
Condensation apparatus. S. A. Staege. 2,202,406; May 28.
Condenser mounting. G. V. Peck. 2,202,166; May 28.
Conduits, Method of sealing. R. E. Bishop. 2,202,617; May 28.
Connector: *See*—
  Belt connector.
  Hydraulic swivel connector.
Contact arrangement for relays. D. L. Beeman. 2,202,729; May 28.
Container: *See*—
  Acidproof container. Paper oil container.
  Metal container. Trash container.
  Milk container.
Container. S. Stone. 2,202,358; May 28.
Container control mechanism. J. W. Thomas. 2,202,640; May 28.
Control apparatus. P. B. Leonard. 2,202,294; May 28.
Control apparatus. R. L. Mallory. 2,202,218; May 28.
Control apparatus. E. C. Raney. 2,202,429; May 28.
Control for air conditioning apparatus. F. K. Green. 2,202,763; May 28.
Control for turret type presses. J. M. Dewey. 2,202,483; May 28.
Control means for movable trucks and the like, Directional. I. F. Schreck. 2,202,068; May 28.
Control means for a radio receiver. G. Santucci. 2,202,432; May 28.
Control mechanism for boring mills and the like. A. Trosch. 2,202,766; May 28.
Control mechanism. R. Guffey. 2,202,551; May 28.
Control system. E. W. Fitch. 2,202,485; May 28.
Control system. F. E. Harrell and R. A. Geuder. 2,202,421; May 28.
Control system. J. W. McNairy. 2,202,708; May 28.
Control system. H. M. Stoller. 2,202,172; May 28.
Control system. H. H. Gorrie. 2,202,286; May 28.
Conveyer. F. G. Riesen, Sr. 2,202,399; May 28.
Cooker, Rotary crystallizer. F. Lafeuille. 2,202,696; May 28.
Cooking apparatus, Deep fat. J. T. Ruch. 2,202,602; May 28.
Cooking set. G. M. Sacerdote. 2,202,320; May 28.
Cooler: *See*—
  Solar actuated cooler.
Cooling chamber construction for furnaces. F. T. Cope. 2,201,988; May 28.
Cooling ribs-scoop controlled coupling. N. L. Alison. 2,202,243; May 28.
Corn husking machine. W. W. P. Stelter. 2,202,540; May 28.
Corrosive liquids, Process and apparatus for vaporizing. H. Kleweg. 2,202,800; May 28.
Corrosion resistant valve. J. S. Johnson. 2,202,735; May 28.
Cotton, Bleaching of. T. E. Bell. 2,202,478; May 28.
Coupling: *See*—
  Fluid coupling. Hydraulic brake coupling.
Coupling apparatus for vehicles. E. Bugatti. 2,202,753; May 28.
Cover: *See*—
  Seat cover.
Cover for bottle coolers. R. E. Baker. 2,202,684; May 28.
Cover for dispensing refrigerators. R. E. Baker. 2,202,476; May 28.
Cover for tobacco jars. L. Hermani. 2,202,796; May 28.
Cover structure, Cylinder. C. W. Dake. 2,202,246; May 28.
Crepe effects on fabrics, Obtaining. H. Altwegg and A. Eichler. 2,202,041; May 28.
Crossing protective system. S. M. Nampa. 2,202,316; May 28.
Culvert, Metal. D. L. Miller and A. G. Felker. 2,202,743; May 28.
Cutter: *See*—
  Gear cutter. Rotary cutter.
  Rod cutter.
Cutting machine. R. R. Ward. 2,202,177; May 28.
Compounds of the cyclopentanopolyhydrophenanthrene series and preparing them. M. Brockmühl, G. Ehrhart, H. Ruschig, and W. Aumüller. 2,202,619; May 28.
Damming device. E. V. Collins. 2,202,091; May 28.
Davit, Luffing. M. C. Le Geu. 2,202,457; May 28.
Decorating machine. E. W. Hamant and G. von Webern. 2,202,692; May 28.
Defecator with combined flushing jet and air break. W. C. Groeniger. 2,202,628; May 28.
Delivery control. W. E. Hamlin. 2,202,420; May 28.
Dental casting machine. A. P. Vickers. 2,202,473; May 28.
Dental impression mold. L. W. Evans. 2,202,577; May 28.
Dental polishing machine. L. N. Pelkey. 2,202,299; May 28.

Detergent composition. R. W. Maxwell. 2,202,741; May 28.
Device for applying strips. T. H. Krueger. 2,202,314; May 28.
Device for cleaning waste pipes. T. Mosley. 2,202,116; May 28.
Device for collecting and removing slag in open hearth furnaces. J. Matela. 2,202,706; May 28.
Dial and mechanism, Clock. C. O. Tidler. 2,202,438; May 28.
Dial illumination, Instrument. L. F. Carter. 2,202,142; May 28.
Digester. A. C. Durdin, Jr. 2,202,772; May 28.
Digger implement. T. Halgrimson. 2,202,450; May 28.
Dihydronaphthalene dimer and making same, Sulphurized. P. La F. Magill. 2,202,502; May 28.
Direction signal. O. Braun, Buffalo, N. Y. 2,202,571; May 28.
Directive signaling. W. van B. Roberts. 2,202,400; May 28.
Discharge device. E. Germer. 2,202,199; May 28.
Discharge device, Intermittent or constant. H. E. Brandt. 2,202,645; May 28.
Discharge tube, High-voltage. A. Bouwers. 2,202,687; May 28.
Dispenser. W. Ayres. 2,202,079; May 28.
Dispensing cabinet. B. E. Colburn. 2,201,985; May 28.
Dispensing device. P. A. Wooster. 2,202,183; May 28.
Display sign. R. B. Fleming. 2,202,417; May 28.
Doll display figure. M. C. Wood. 2,202,805; May 28.
Doll's eye construction. A. J. Knott. 2,202,106; May 28.
Door: *See*—
Car door.
Door construction. H. J. Troche. 2,202,274; May 28.
Door lock. J. F. Ching. 2,202,086; May 28.
Door, Locking and cleaning coke oven. C. Otto and E. Grasshoff. 2,202,395; May 28.
Drawer and guide, Roller bearing. A. C. Kennedy. 2,202,209; May 28.
Dust collector. J. Butera. 2,202,372; May 28.
Dyestuff, Acid indolylidiphenylmethane. P. Wolff and E. Beniers. 2,202,037; May 28.
Dyestuff, Acid green indolylidiphenylmethane. P. Wolff and E. Beniers. 2,202,038; May 28.
Dyestuffs and their manufacture, Green trisazo. H. Lier. 2,202,350; May 28.
Dyestuffs derived from indophenols, Sulphur. W. Zerweck and W. Hechtenberg. 2,202,040; May 28.
Earth transients in geophysical prospecting, Electric. L. W. Blau and L. Statham. 2,202,369; May 28.
Electric circuit. R. M. Partington. 2,202,715–6; May 28.
Electric contact element. F. R. Hensel and K. L. Emmert. 2,202,054; May 28.
Electric contacting element. F. R. Hensel and E. I. Larsen. 2,202,150; May 28.
Electric distribution, System of. V. L. Cox. 2,202,730; May 28.
Electric distributors, System of. A. E. Anderson. 2,202,722; May 28.
Electric furnace. W. E. Moore. 2,202,224; May 28.
Electric melting furnace. C. F. Weisgerber. 2,202,362; May 28.
Electric switch. M. J. Johnson. 2,202,207; May 28.
Electric switch. I. R. Latta. 2,202,608; May 28.
Electric translating apparatus. G. W. Garman. 2,202,732; May 28.
Electric valve circuit. B. D. Bedford. 2,202,726–7; May 28.
Electric valve circuit. B. D. Bedford and E. E. Moyer. 2,202,728; May 28.
Electrical cable and conductor and manufacturing the same. A. Deroche. 2,202,575; May 28.
Electrical machine. G. A. Gillen. 2,202,051; May 28.
Electrical switching means. R. H. Beach. 2,202,440; May 28.
Electrode mounting. E. Steudel. 2,202,607; May 28.
Electrode system for cathode ray tubes. H. Knlepkamp. 2,202,588; May 28.
Electrode, Well-logging. C. J. Haynes. 2,202,656; May 28.
Electrodes for lead-acid storage batteries, Producing positive. A. P. Hauel. 2,202,489; May 28.
Electron beam control system. R. Urtel. 2,202,612; May 28.
Electron device. H. Boersch. 2,202,620; May 28.
Electron discharge tube. H. Schedel. 2,202,470; May 28.
Elliptic spring. T. R. Weber. 2,202,786; May 28.
Emplacement former. F. Gerriets. 2,202,147; May 28.
Engine: *See*—
Internal combustion engine.
Engine. D. J. Campbell. 2,202,480; May 28.
Exerciser. J. J. Chalette. 2,202,187; May 28.
Exit device with outside control, Fire. H. F. Yoe. 2,202,075; May 28.
Fabric: *See*—
Flat-knitted fabric.
Fabric, Manufacture of wire. A. E. Blashill. 2,202,442; May 28.
Fabric, Method of and apparatus for drying. S. Cohn and J. G. Walter. 2,202,045; May 28.
Fan system. H. F. Hagen. 2,202,793; May 28.
Fanfold machine. C. Butterfield. 2,202,244; May 28.
Fastener for joining belts and conveyer bands. A. Daum. 2,202,094; May 28.
Fasteners, Forming separable. N. J. Poux. 2,202,230; May 28.
Fastening device for boxes, Cleat. J. H. Webb. 2,202,545; May 28.
Faucet. F. and R. D. Welty. 2,202,179; May 28.
Feather quilling machine. T. M. Knox. 2,202,347; May 28.
Feed controlling apparatus. N. S. Madsen. 2,202,216; May 28.
Feeding mechanism for wrapping machines. M. J. Milmoe. 2,202,503; May 28.
Fence charging device. C. Gallot and A. Alpaugh. 2,202,691; May 28.
Fermentations by means of yeast and butyl alcohol, producing bacteria, Concurrent. H. R. Stiles and L. M. Pruess. 2,202,785; May 28.
Fibers, Process and apparatus for use in the manufacture of staple. R. Bartunek and A. Maxton. 2,202,477; May 28.
Filing cabinet. J. R. Clark. 2,202,088; May 28.
Filling end control. E. C. Nichols. 2,202,226; May 28.
Filling machine. R. J. Stewart and W. I. Gladfelter. 2,202,033; May 28.
Filling replenishing loom. C. D. Brown. 2,202,186; May 28.
Film apparatus. A. W. Tondreau. 2,202,127; May 28.
Films, Method and apparatus for copying lenticular. A. H. J. de L. Saint Genies. 2,202,355; May 28.
Filter: *See*—
Photographic filter.
Filter bag head. L. A. Fitzgerald. 2,202,049; May 28.
Filtering. W. H. Alton. 2,202,806; May 28.
Fire extinguishing apparatus. E. Geertz. 2,202,343; May 28.
Fishing rod support. E. V. Kilby. 2,202,739; May 28.
Fitting. J. E. Frances. 2,202,312; May 28.
Flaps on aircraft, Shifting. H. Rebeski. 2,202,430; May 28.
Flier for spinning machines. H. E. Herr. 2,202,289–90; May 28.
Float plug, Detachable. G. J. Nash. 2,202,461; May 28.
Float valve. S. W. E. Andersson. 2,201,974; May 28.
Flood protection means. H. M. Knight. 2,202,662; May 28.
Floor covering. J. E. Graham and E. M. Lines. 2,202,488; May 28.
Flotation apparatus. A. B. Emery. 2,202,484; May 28.
Flotation reagent. R. C. Ried. 2,202,601; May 28.
Flow device, Intermittent. F. Y. Donaldson. 2,202,549; May 28.
Fluid coupling. G. T. Jacocks. 2,202,492; May 28.
Fluid displacement mechanism. J.W. Forrester and J. V. Sheridan. 2,202,520; May 28.
Fluid heater. S. Cline. 2,202,756; May 28.
Fluid meter. W. F. Schultz. 2,202,606; May 28.
Fluid motor. H. F. Parker. 2,202,023; May 28.
Fluid pressure producing device. E. F. Loweke. 2,202,351; May 28.
Fluid pressure regulator. M. H. Grove. 2,202,313; May 28.
Fluids, Intermittently controlling the flow of. J. D. Nixon. 2,202,462; May 28.
Folding table. W. P. De Saussure, Jr. 2,202,624; May 28.
Footwear, Manufacturing rubber soled. L. A. Andia. 2,202,750; May 28.
Fountain, Drinking. S. L. Aub and W. B. Long. 2,202,807; May 28.
Fowl-stuffing retainer. E. N. Archer. 2,202,512; May 28.
Frame: *See*—
Velocipede frame.
Fruit and vegetable package. G. D. Bishop. 2,202,616; May 28.
Fuel supply control mechanism. S. P. Christie. 2,202,087; May 28.
Fuels, Manufacture of motor. V. Ipatieff and R. E. Schaad. 2,202,104; May 28.
Furnace: *See*—
Electric furnace. Roasting furnace.
Electric melting furnace.
Furniture. M. C. Ducati. 2,202,196; May 28.
Furniture, Hydraulically adjustable. H. E. Hymer and R. Ferris. 2,202,383; May 28.
Furniture lock. J. C. Siegel. 2,202,539; May 28.
Furniture tie spring, Crossed helical. C. M. Lind and J. H. Thomas. 2,202,562; May 28.
Garment. D. B. Fisher. 2,202,341; May 28.
Garment hanger. B. T. Petty. 2,202,120; May 28.
Garter grip. J. B. Holtzclaw. 2,202,291; May 28.
Gauge and control apparatus for liquid containers. G. E. Ewertz. 2,202,197; May 28.
Gear cutter. W. E. Sykes. 2,202,407; May 28.
Gearing, Change-speed power transmission. H. A. Hanson. 2,202,794; May 28.
Generator: *See*—
Steam generator.
Glass article and making it, Frosted. J. A. Yunck. 2,202,327; May 28.
Glass article and making it, Internally frosted. H. S. Willson. 2,202,326; May 28.
Glass cooling apparatus. J. Grant. 2,202,100; May 28.
Glass cutting machine. H. W. Archer. 2,202,751; May 28.

Glass product, Producing a cellular. A. D. Nash. 2,202,714; May 28.
Glass, Safety. E. L. Fix. 2,202,690; May 28.
Glow discharge tube. M. F. Hasler, R. W. Lindhurst, and P. Cravitz. 2,202,101; May 28.
Golf tee. A. D. Jordan. 2,202,556; May 28.
Goods containing proteins against insects, Protecting. P. Schlack. 2,202,169; May 28.
Grading machine. P. Weir. 2,202,508; May 28.
Graining machine. H. J. Pattison. 2,202,465; May 28.
Grinding machine. H. E. Kitchen. 2,202,587; May 28.
Grip, Pipe. C. J. Esseling. 2,202,446; May 28.
Grit collector. C. S. Wileman. 2,202,475; May 28.
Gun, Automatic. H. Henning. 2,202,201; May 28.
Hair grip pin. J. M. Yourek. 2,202,305; May 28.
Hair waving, Device for permanent. V. Gee. 2,202,146; May 28.
Handbag. L. Freidman. 2,202,651; May 28.
Handbag plait. M. Samuelson. 2,202,673; May 28.
Handle: *See*—
Tool-receiving handle.
Hanger: *See*—
Garment hanger.
Hanger bracket, Brake. D. M. Light. 2,202,782; May 28.
Head, Homogenizing. J. D. Dodge. 2,202,649; May 28.
Heat control means for refrigerators, Electric. W. G. Dahl. 2,202,373; May 28.
Heat exchange apparatus, Fluid. E. G. Bailey. 2,202,768; May 28.
Heat treatment of shafts and the like. F. S. Denneen and W. C. Dunn. 2,202,759; May 28.
Heater: *See*—
Fluid heater. Well heater.
Helixes without the aid of a core or mandrel, Method and apparatus for making. D. Tulloch. 2,202,275; May 28.
High frequency system. E. Gossel and W. Puhlmann. 2,202,487; May 28.
Hinge structure. R. F. Bean. 2,202,724; May 28.
Holder: *See*—
Multiple tool holder. Window holder.
Paper holder.
Pipe, cigarette and cigar holder.
Holder for desk paraphernalia. E. R. Posnack. 2,202,300; May 28.
Holder for eyeglasses. W. E. Wortham. 2,202,242; May 28.
Holder for writing paraphernalia. E. R. Posnack. 2,202,267; May 28.
Holders, Manufacturing confection candle. F. J. and P. P. Addis. 2,202,509; May 28.
Holding means. A. E. and H. C. Dekome, and V. J. Sedlon. 2,201,990; May 28.
Hollow objects, Manufacturing. C. W. Blount. 2,202,042; May 28.
Hormones from biological materials, Separating. M. G. Sevag. 2,202,029; May 28.
Hydraulic brake coupling. L. Van Deren. 2,202,070; May 28.
Hydraulic feed for power driven hack saws. O. M. Jensen, F. T. Wruk, and T. W. Whitley. 2,202,256; May 28.
Hydraulic swivel connector. G. E. Barnhart. 2,201,976; May 28.
Hydrocarbon compounds with gaseous chlorine and sulphur dioxide, Reaction of. A. L. Fox, C. O. Henke, W. H. Lockwood, and J. M. Tinker. 2,202,791; May 28.
Hydrocarbon material with light hydrocarbons, Extraction of. W. K. Lewis and J. M. Whiteley. 2,202,389; May 28.
Hydrocarbons and making same, Sulphurized dihydropolycyclic aromatic. P. L. Magill. 2,202,501; May 28.
Hydrocarbons, Treatment of. J. C. Morrell. 2,202,115; May 28.
Hydogen, Producing. M. Frankl. 2,202,374; May 28.
Ice creeper. C. C. Beckel. 2,202,570; May 28.
Ignition switch. L. R. Cale. 2,202,043; May 28.
Index, high viscosity oil compositions, High viscosity. C. N. Kimberlin. 2,202,801; May 28.
Inhalation apparatus. H. Lehmann. 2,202,701; May 28.
Injection molding apparatus. C. F. Burroughs. 2,202,140; May 28.
Insect destoyer. J. R. Diffinbaugh. 2,202,445; May 28.
Insecticide and larvicide, Combined. J. M. Ginsburg. 2,202,148; May 28.
Insecticides, Spraying. J. A. Erickson. 2,201,995; May 28.
Instrument panel, Steering wheel. J. F. Kennedy. 2,202,781; May 28.
Insulin composition and preparing the same. R. A. Warburton. 2,202,325; May 28.
Internal combustion engine. A. Berger. 2,202,643; May 28.
Internal combustion engine. M. G. Fiedler. 2,202,761; May 28.
Internal combustion engine. L. E. Noland. 2,202,227; May 28.
Ironing machine. A. H. Peters. 2,202,167; May 28.
Joint: *See*—
Adjustable joint. Safety joint.
Ball joint.
Kiln and kiln drying, Dry. J. F. Cobb. 2,202,143; May 28.
Kitchen cabinet. M. Korn. 2,202,107; May 28.
Knife, Rotary power. J. C. Brown. 2,202,085; May 28.
Knitting machine. G. H. Nyhuis. 2,202,119; May 28.
Knob assembly, Molded. W. C. Bruckman. 2,202,371; May 28.
Knock rating of naphthas, Improving. R. Bosen. 2,202,401; May 28.
Laboratory stand. E. P. Phillips. 2,202,265; May 28.
Lacquer, Waterproof. C. S. Hyatt and W. D. Hedges. 2,202,254; May 28.
Lactones and making them, Higher aliphatic. M. Stoll. 2,202,437; May 28.
Lactones containing at least 11 carbon atoms and at least 2 heterocyclically bound oxygen atoms in the lactone ring, Preparing higher. R. Firmenich. 2,202,448; May 28.
Ladder, Ship. A. Myerstuen. 2,202,597; May 28.
Lamp bulb and socket combination, Miniature electric. P. Kollsman. 2,202,155; May 28.
Larynx, Artificial. R. R. Riesz. 2,202,467; May 28.
Latching device for vacuum cleaners. A. W. Kandetzki. 2,202,056; May 28.
Lead nitrato-hypophosphite, Making. W. Brun. 2,202,646; May 28.
Lead styphnate, Manufacture of. W. Brun. 2,202,647; May 28.
Leather, Finishing. L. B. Conant. 2,202,092; May 28.
Leveling device. S. L. G. Knox and F. O. Blackwell, Jr. 2,202,009; May 28.
Life preserver inflation means. H. E. Murray and E. T. Christopher. 2,202,225; May 28.
Life preserver, Self-inflating. E. T. Christopher and H. E. Murray. 2,202,415; May 28.
Lighting device. J. C. White. 2,202,278; May 28.
Lighting fixture. T. D. Phillips. 2,202,266; May 28.
Line conductor reinforcement and tie. R. Selquist. 2,202,538; May 28.
Linen and like bast fiber material, Bleaching. E. Butterworth and B. P. Ridge. 2,202,333; May 28.
Liquid level reporting apparatus. H. De Koevend. 2,202,517; May 28.
Liquid measuring and dispensing device. J. E. Wollenweber. 2,202,073; May 28.
Liquid, Filtering. C. H. Cuno. 2,202,191; May 28.
Liquids, Irradiating. G. C. Supplee and M. J. Dorcas. 2,202,611; May 28.
Liquids, Method and apparatus for irridating. G. C. Supplee and M. J. Dorcas. 2,202,610; May 28.
Liquids, Thermolizing. A. Oberle. 2,202,463; May 28.
Lock: *See*—
Antipick lock. Furniture lock.
Door lock.
Lock construction, Switch. R. L. Smythe. 2,202,170; May 28.
Lock for safes, Electric time. J. V. McGunn. 2,202,534; May 28.
Lock nuts, Method of and apparatus for manufacturing. A. M. Chambers, Jr., and W. R. Jenkinson. 2,202,044; May 28.
Locking device. L. V. Mallory. 2,202,217; May 28.
Loom: *See*—
Filling replenishing loom.
Lubricant, Extreme pressure. D. E. Badertscher, H. G. Berger and F. M. Seger. 2,202,641; May 28.
Lubricant for high bearing pressures. A. J. Morway. 2,202,394; May 28.
Lubricating composition. C. C. Towne and W. N. Meyer. 2,202,128; May 28.
Luminous display, Unitary. H. R. Owen. 2,202,397; May 28.
Luminous material and manufacturing the same. J. Elnig and G. Stahlberg. 2,202,048; May 28.
Lure, Fish. M. R. Ferris. 2,202,519; May 28.
Machine and method for cooling powdered products. C. H. Leaf. 2,202,498; May 28.
Machine for adhesively appiying and securing covering material to articles. L. E. La Bombard. 2,202,496; May 28.
Machine for cleaning space bands. O. C. Haderer and W. Klein. 2,202,654; May 28.
Machine for grinding the crank pins of crank shafts. C. Mayer. 2,202,111; May 28.
Machine for making laminated pinions. W. L. Hansen and I. N. Hurst. 2,202,693; May 28.
Machine for manufacturing rotary gear cutters. M. Mentley. 2,202,709; May 28.
Machine tool. L. F. Poock. 2,202,428; May 28.
Magazine for razors, Blade. O. V. Rodrigues. 2,202,468; May 28.
Malting apparatus. W. A. Peterman. 2,202,536; May 28.
Maltose fermentation. A. S. Schultz and L. Atkin. 2,202,356; May 28.
Manganese alloy. J. R. Long. 2,202,012; May 28.
Marionette. S. Usinskis. 2,202,677; May 28.
Marker, Skirt. M. Ingwer. 2,202,659–60; May 28.
Mat construction, Floor. J. H. McClelland. 2,202,636; May 28.
Material handling mechanism. K. A. Lindner and B. Di Santo. 2,202,702; May 28.
Materials, Coating and coloration of granulated. N. P. Harshberger. 2,202,002; May 28.
Materials for purification of gases, Manufacturing. F. A. Sullivan. 2,202,174; May 28.

Materials, Recovery of plastic. H. L. Cox and J. D. Matlack. 2,202,481; May 28.
Meat cuts, Supporting wrapped. G. E. Gott. 2,203,375; May 28.
Meat keeper. G. E. Hanner. 2,202,808; May 28.
Meat-slitting machine. J. P. Spang. 2,202,273; May 28.
Mechanical load brake. A. J. Brown. 2,202,137; May 28.
Mechanical movement. G. E. Barnhart. 2,201,977; May 28.
Mercaptans from hydrocarbon distillates, Removal of. D. L. Yabroff and E. R. White. 2,202,039; May 28.
Mercury switch. F. S. Armstrong. 2,202,569; May 28.
Metal apparatus, Molten. G. E. West. 2,202,180; May 28.
Metal articles, Manufacture of. C. A. McCutcheon. 2,202,016; May 28.
Metal composition, Refractory. C. A. Laise. 2,202,108; May 28.
Metal container. E. Bourland. 2,202,084; May 28.
Metal, Forming ornamental strip. D. A. Marshall. 2,202,295; May 28.
Metal-shaping apparatus. C. A. McCutcheon. 2,202,018; May 28.
Metal shaping process and apparatus. R. L. Wagner. 2,202,130; May 28.
Metallic oxides, Preparation of. E. Herzog. 2,202,252; May 28.
Meter: *See*—
Fluid meter. Rotary type fluid meter.
Meter with several ranges of measurement, Photoelectric exposure. A. Bernhard, G. Beyrich and M. Aron. 2,202,441; May 28.
Milk container. A. R. Glidden. 2,202,652; May 28.
Milling machine, Automatic. F. Koch. 2,202,210; May 28.
Milling machine, Hand. N. M. Marsilius. 2,202,425; May 28.
Mining apparatus. M. P. Holmes. 2,202,584; May 28.
Mirror. W. La Hodny. 2,202,697; May 28.
Mixing valve. A. W. Feiger. 2,202,249; May 28.
Modulation system. R. L. Drake. 2,202,576; May 28.
Mold: *See*—
Dental impression mold.
Molded article. J. H. Olsen. 2,202,064; May 28.
Molybdenum values, Recovery of. A. W. Hixson and R. Miller. 2,202,525; May 28.
Mop, Water. T. F. Moore. 2,202,223; May 28.
Motor: *See*—
Fluid motor. Self-cleaning textile motor.
Outboard motor.
Motor vehicle. S. Eliot. 2,202,689; May 28.
Motor application for heated compartments. W. R. Hough. 2,202,424; May 28.
Motor control system. O. Schläpfer. 2,202,604; May 28.
Motor control system, Induction. R. A. Geuder. 2,202,419; May 28.
Motor vehicle. P. N. Miller. 2,202,113; May 28.
Mounting: *See*—
Condenser mounting. Telescope sight mounting.
Electrode mounting. Theftproof roadlight mounting.
Sign mounting.
Table leg mounting.
Mounting for electric motors, Adjustable. C. G. H. Anderson and I. K. Fog. 2,202,413; May 28.
Mouthpiece for smoking pipes. J. Widmer. 2,202,182; May 28.
Mower. T. B. Harwell. 2,202,774; May 28.
Mower attachment. J. P. Byrne, Jr. 2,202,443; May 28.
Multiple tool holder. K. Müller. 2,202,117; May 28.
Musical instrument of the flute type. B. E. Walberg. 2,202,410; May 28.
Net, Folding. G. O. Benson. 2,202,789; May 28.
Nipper, Screw cutting. J. Faist. 2,202,340; May 28.
Nozzle. C. R. Alden. 2,202,510; May 28.
Nozzle, Expansible hose. W. H. Link. 2,202,459; May 28.
Oil burner. R. M. Runge and E. B. Pascucci. 2,202,718; May 28.
Oil filtering device. F. B. Hewel. 2,202,379; May 28.
Oil, Lubricating. P. J. Wiezevich. 2,202,364; May 28.
Oil pressure regulator. G. J. Worel. 2,202,074; May 28.
Oil solutions, Mineral. E. C. Kunz and A. T. Flore. 2,202,387; May 28.
Oil synergist for insecticides. C. Eagleson. 2,202,145; May 28.
Oils, Conversion of hydrocarbon. C. H. Angell. 2,202,076; May 28.
Outboard motor. W. C. Conover. 2,201,987; May 28.
Overfeed device. C. D. Ryder. 2,202,269; May 28.
Overload release mechanism. E. E. Landahl. 2,202,497; May 28.
Package numbering or lettering machine. W. N. Freed. 2,202,762; May 28.
Packaging. A. W. Lindholm. 2,202,213; May 28.
Packaging machine. W. S. Reynolds. 2,202,600; May 28.
Paints, Improving the stability of luminous. K. Schad and R. Ketzer. 2,202,234; May 28.
Paints, Stability of luminous. K. Schad. 2,202,233; May 28.
Panel assembly, Instrument. J. Visser. 2,202,277; May 28.
Paper dispensing cabinet. A. G. Krueger, F. P. Vaughan, N. J. Slye and J. B. Engel. 2,202,011; May 28.
Paper equipment for calculating machines. R. L. Muller. 2,202,595; May 28.
Paper holder, Cigarette. R. D. R. Scull. 2,202,322; May 28.
Paper, Making. D. K. Pattilloch. 2,207,717; May 28.
Paper oil container. M. P. Kernahan. 2,202,558; May 28.
Parting tool. J. M. Luers. 2,202,591; May 28.
Paste, Manufacture of starch. P. D. Coppock. 2,202,573; May 28.
Pattern effects on textile fabrics, Producing. R. Haller and G. Widmer. 2,202,200; May 28.
Pen. E. A. Wiegman. 2,202,304; May 28.
Perforating device. C. Funcke. 2,202,198; May 28.
Periodic switch. P. S. Bear. 2,202,725; May 28.
Photographic apparatus. J. G. Morgan. 2,202,353; May 28.
Photographic filter. A. H. Kampfer and A. Schattmann. 2,202,737; May 28.
Photographic printing process and material. F. F. Renwick. 2,202,026; May 28.
Piezoelectric apparatus. W. P. Mason. 2,202,391; May 28.
Pigments for use in manufacture of artificial silk. H. D. Mudford. 2,202,594; May 28.
Pin: *See*—
Bowling pin. Hair grip pin.
Pipe, cigarette, and cigar holder, Smoking. W. E. Heron. 2,202,288; May 28.
Pipe press. R. Temple, Jr. 2,202,125; May 28.
Piston. F. W. Caddy. 2,202,754; May 28.
Piston ring. W. S. Mason. 2,202,802; May 28.
Plait-knitted fabric. W. Artzt and E. Lesavoy. 2,201,980; May 28.
Planer. A. Trosch. 2,202,767; May 28.
Plant thinning machine. A. Schumacher. 2,202,433; May 28.
Plastic and material therefor, Reinforced. V. Lougheed. 2,202,013; May 28.
Plastic composition for use in interlayer sheets. B. M. Marks. 2,202,160; May 28.
Plow, Reversible disk. B. O. Leach. 2,202,348; May 28.
Plug: *See*—
Flont plug: Test plug.
Spark plug.
Plug top closing member for filter presses. R. M. Thompson. 2,202,239; May 28.
Pot, Plant propagating. M. Leatherman. 2,202,664; May 28.
Powder can closure. G. P. Peterson. 2,202,466; May 28.
Power generating, transmitting, and delivering apparatus. C. M. Park. 2,202,298; May 28.
Power supply circuit. J. H. Bollman. 2,201,983; May 28.
Power take-off attachment. R. O. Johnson. 2,202,345; May 28.
Power to pumps, Device for controlling the transmission of. J. C. Myers. 2,202,504; May 28.
Power transmission device. J. Hertrich. 2,202,378; May 28.
Press: *See*—
Pipe press. Web perfecting rotary press.
Seal press.
Price marking device. C. Rohlfes. 2,202,268; May 28.
Printing process. A. L. Lengel. 2,202,529; May 28.
Projecting apparatus. R. G. Mobarry and J. B. Dabney. 2,202,061; May 28.
Propeller blade and material for making same, Air. V. Lougheed. 2,202,014; May 28.
Protective device for electric circuits. A. M. Schmidt. 2,202,719; May 28.
Protein composition, Thermoplastic. J. Delorme. 2,202,623; May 28.
Pulley block. M. E. Berger. 2,202,184; May 28.
Pump: *See*—
Waste paper stock pump.
Pumping apparatus. E. Topanelian, Jr. 2,202,439; May 28.
Punch, Portable. D. A. Benner. 2,202,513–4; May 28.
Purging apparatus and method of use. M. R. Kondolf. 2,202,010; May 28.
Puzzle, Mathematical. J. R. Bartelt. 2,202,078; May 28.
Quotation system. H. F. May and F. O. Stratton. 2,202,392; May 28.
Racing machine. A. R. Casstevens. 2,202,572; May 28.
Rack and locker, Combination clothes. R. V. Polen. 2,202,427; May 28.
Radio direction finder. J. I. Heller. 2,202,552; May 28.
Radio direction finder. W. P. Hilliard and R. R. Brunner. 2,202,583; May 28.
Range and view finder, Combination. M. E. Moreau and D. Landfield. 2,202,593; May 28.
Ratchet wrench. T. O. Rueb. 2,202,402; May 28.
Razor. N. Holsclaw. 2,202,633; May 28.
Receptacle: *See*—
Waste receptacle.
Receptacle and support therefor. W. R. House. 2,202,798; May 28.
Recording apparatus. J. E. Bushnell. 2,202,547; May 28.

Rectifier circuit, Constant voltage. A. Christie. 2,201,979; May 28.
Reducing piece for glass instruments for laboratory technics. W. Juffa. 2,202,055; May 28.
Reel: *See*—
Wire reel.
Reel. H. J. Hogue. 2,202,204; May 28.
Reflecting element. S. E. Arbuckle. 2,202,306; May 28.
Reflector device. L. J. and P. Rauch. 2,202,168; May 28.
Refrigerating apparatus. J. W. Jacobs. 2,202,105; May 28.
Refrigerating apparatus. J. W. Jacobs. 2,202,734; May 28.
Refrigerating apparatus. G. C. Pearce. 2,202,165; May 28.
Refrigeration apparatus. T. W. Rundell. 2,202,803; May 28.
Refrigerating apparatus. W. H. Teeter. 2,202,175; May 28.
Refrigeration. H. M. Ullstrand. 2,202,360; May 28.
Refrigerator. J. H. Ganzer. 2,201,998; May 28.
Register, Air. L. A. Hicks. 2,202,524; May 28.
Regulating device for through-flow tubuluar steam generators. V. Juzi. 2,202,495; May 28.
Regulator: *See*—
Fluid pressure regulator. Oil pressure regulator.
Release device for wringers. W. L. Kauffman. 2,202,775–6; May 28.
Release valve. F. A. Waterman. 2,202,411; May 28.
Relieving attachment for lathes. W. F. Groene. 2,202,287; May 28.
Remote control for governors. A. C. Hoof. 2,202,422; May 28.
Resins, Method of and apparatus for curing and molding synthetic or natural. J. R. Hoge and L. D. Soubier. 2,202,797; May 28.
Resistance welding. W. E. Smith. 2,202,405; May 28.
Resistant alloy, Heat erosion. G. Charlton. 2,202,648; May 28.
Ring: *See*—
Piston ring.
Ringlike device. I. Spinner. 2,202,567; May 28.
Roasting furnace. E. De Rey. 2,202,444; May 28.
Rod cutter, End-on. R. C. Day. 2,202,416; May 28.
Roller, Bedspread. N. W. Higginbotham. 2,202,582; May 28.
Rosin and turpentine, Producing high-grade. J. A. Scruggs. 2,202,028; May 28.
Rotary cutter. J. Clarlone. 2,202,548; May 28.
Rotary type fluid meter. N. J. Seibert and H. Chrisman. 2,202,122; May 28.
Rubber compositions, Plasticized synthetic. P. J. Wiezevich. 2,202,363; May 28.
Rubber springing for motor vehicles. B. Barényi. 2,202,615; May 28.
Safety device for oil heaters. R. H. Gelder and R. R. Gordon. 2,202,098; May 28.
Safety joint. F. N. Osmun. 2,202,260–1; May 28.
Salt, Quaternary ammonium. O. Albrecht. 2,202,328; May 28.
Sanding and rubbing device. W. B. Wilson. 2,202,072; May 28.
Saw, Composing room. F. W. Seybold. 2,202,434; May 28.
Scanning system, Multiple. R. Harding, Jr. 2,202,795; May 28.
Scraper. G. T. Peterson. 2,202,264; May 28.
Screens, Manufacture of translucent. B. M. Bodde. 2,202,370; May 28.
Screw blanks or the like, Method and apparatus for heading. J. J. Tomalis. 2,202,324; May 28.
Screwing device for screw-stoppered vessels. H. Sickel. 2,202,302; May 28.
Seal, Fluid. L. A. Johnson. 2,202,206; May 28.
Seal for enclosed bearings. E. C. Brodin. 2,202,769–70; May 28.
Seal for evacuated vessels and forming the same. B. E. Cohn. 2,202,337; May 28.
Seal press. M. H. and W. Jackson. 2,202,255; May 28.
Sealing device. C. Corizzo. 2,202,338; May 28.
Seat: *See*—
Toilet seat. Water closet seat.
Seat and cover, Toilet. F. J. Moore. 2,202,668; May 28.
Seat cover. F. Peebles. 2,202,065; May 28.
Securing device. G. T. Jacocks. 2,202,493; May 28.
Selector mechanism for knitting machines, Yarn carrier. P. Krenkel. 2,202,528; May 28.
Selenium plating of steel. V. T. Malcolm. 2,202,532; May 28.
Self-cleaning textile motor. J. L. Brown. 2,202,622; May 28.
Separating or classifying apparatus. W. A. Cotton, Jr., and J. W. Widdifield. 2,202,189; May 28.
Sewage, Treating. J. G. Bevan. 2,202,135; May 28.
Sewing machine. J. D. Karle. 2,202,586; May 28.
Sewing machine, Ornamental stitch. C. Sturzlinger. 2,202,909; May 28.
Sewing machine, Shoe. B. T. Leveque. 2,202,388; May 28.
Sewing machines, Needle vibration controlling means for zigzag stitch. W. Bölter and H. Theenhausen. 2,202,515; May 28.
Sewing machines, Presser foot attachment for. A. Masler. 2,202,059; May 28.
Sewing machines, Trimmer mechanism for. B. P. Pinkvoss. 2,202,599; May 28.
Shade and curtain bracket, Combined window. J. H. York. 2,202,412; May 28.
Shade, Lighting. J. A. Korengold. 2,202,590; May 28.
Shaving implement. J. H. Hill. 2,202,203; May 28.
Shield, Shoe cleaning. D. C. Kloza. 2,202,560; May 28.
Ships, Antirolling stabilization of. N. Minorsky. 2,202,162; May 28.
Shirt and making same. C. Du Pree. 2,202,625; May 28.
Shirts, Finishing laundered. L. R. Morse. 2,202,062; May 28.
Shock absorber for motor vehicles. F. F. Maciel. 2,202,460; May 28.
Shoe and making shoes. A. Dagdigian. 2,202,093; May 28.
Shoe machine. E. A. Holmgren. 2,202,005; May 28.
Short wave receiver, Ultra. B. Trevor. 2,202,035; May 28.
Shorts. J. B. Stovall. 2,202,608; May 28.
Shuttle driving mechanism for looms. G. Crompton, Jr. 2,202,574; May 28.
Sign: *See*—
Display sign.
Sign mounting. R. F. Sullivan. 2,202,237; May 28.
Signal: *See*—
Direction signal.
Signal for automobiles, Automatic direction. S. H. Williams. 2,202,241; May 28.
Signal receiving system. W. La V. Carlson. 2,202,141; May 28.
Silencer. H. D. Smith. 2,202,272; May 28.
Skid-chain link. G. W. Round. 2,202,319; May 28.
Sliver formation. R. C. Newman and J. W. Romig. 2,202,118; May 28.
Sludge removing device. D. H. Buckley. 2,202,308; May 28.
Snowplow shoe. H. L. Campbell. 2,202,309; May 28.
Soaps, Method and means for stabilizing. L. B. Hitchcock and R. E. Divine. 2,202,103; May 28.
Socket and bracket extension, Resilient light. J. D. Langdon. 2,202,315; May 28.
Socket, Wrench. W. F. Trotter. 2,202,240; May 28.
Sodium monoxide, Preparation of. N. D. Scott. 2,202,270; May 28.
Solar actuated cooler. O. H. Mohr. 2,202,019; May 28.
Sole laying machine. S. J. Finn. 2,201,996; May 28.
Spark plug, construction. A. L. Robb. 2,202,027; May 28.
Spark plug, Movable core. B. Miller. 2,202,220; May 28.
Speed drive system, Electrically driven variable. D. Heyer. 2,202,553; May 28.
Speed power unit, Variable. D. Heyer and T. G. Myers. 2,202,554; May 28.
Speed transmission, Variable. R. S. Jacobsen. 2,202,384; May 28.
Spindle for spinning frames, Self-centering. J. Raboisson. 2,202,746; May 28.
Spring: *See*—
Elliptic spring. Vehicle spring.
Furniture tie spring.
Spring construction, Leaf. K. K. Probst. 2,202,301; May 28.
Spring structure, Upholstery. W. W. Gleason. 2,202,052; May 28.
Spring unit for spring cushion. M. Freund. 2,201,997; May 28.
Springing arrangement. O. Siebler and W. Boxan. 2,202,436; May 28.
Splint, Septum. A. Solo. 2,202,748; May 28.
Sprinkler, Lawn. J. D. Lewis. 2,202,349; May 28.
Stabilizer for trailers. H. W. Howley. 2,202,658; May 28.
Staking machine. D. Edgar. 2,201,994; May 28.
Stand: *See*—
Bicycle stand. Laboratory stand.
Stapling machine. A. V. MacDonald, R. A. Minkler and H. Iske. 2,202,259; May 28.
Starter control, Engine. M. H. Elkin. 2,202,550; May 28.
Steam generator, High pressure. O. Swietochowski. 2,202,507; May 28.
Steam stop valve. P. Pascale. 2,202,164; May 28.
Steel, Coating. V. T. Malcolm. 2,202,531; May 28.
Steel trap. L. G. Torgerson. 2,202,408; May 28.
Stenciling apparatus. A. S. Jackson and C. A. Heyne. 2,202,799; May 28.
Stereocamera. R. Anderle. 2,201,975; May 28.
Stock fitting machine. S. Baroni. 2,202,081; May 28.
Stockings, Production of. H. Dietrich. 2,202,144; May 28.
Strainer assembly for refrigeration systems. R. A. Sandberg. 2,202,403; May 28.
Strip coiling machine. E. W. Mikaelson. 2,202,563; May 28.
Stump sock. F. O. Peterson. 2,202,598; May 28.
Sulphanilamides and making them, Substituted. F. Mietzsch and J. Klarer. 2,202,219; May 28.
Sulphur dioxide from metal sulphates, Production of. B. Barnes and H. E. Broughton. 2,202,414; May 28.
Support: *See*—
Ceramic support. Trolley wire support.
Fishing rod support.
Support for light fixtures, Universal. A. S. Zagel. 2,202,680; May 28.

Support and line gauge, Book. W. S. Crawford. 2,202,190; May 28.
Support for electrical apparatus, Adjustable. H. Köhler. 2,202,589; May 28.
Surfaces of irregularly shaped objects, Graining. H. J. Pattison. 2,202,464; May 28.
Surgical instrument. S. J. Blumenthal. 2,202,618; May 28.
Sweeprake, Power operated. J. H. Cope. 2,202,310; May 28.
Switch: *See*—
Cathode ray switch. Periodic switch.
Electric switch. Toy railroad track switch.
Ignition switch. Wall box switch.
Mercury switch.
Switch. S. B. Allen. 2,202,681; May 28.
Switch. T. J. Mudon. 2,202,297; May 28.
Switch control device for fluid pumps. W. H. D. Brouse. 2,202,136; May 28.
System for determining quantities of rainfall over large geographical areas. C. Hildabrand. 2,202,452; May 28.
Table: *See*—
Folding table.
Table leg mounting. J. C. Ralson. 2,202,318; May 28.
Take-off control and method. R. H. Fleet, W. B. Wheatley, and I. M. Laddon. 2,202,440; May 28.
Tampons and other porous articles and producing same. W. Schulte. 2,202,566; May 28.
Tap. G. H. Stimson. 2,202,236; May 28.
Tape and the like, Curtain heading. G. F. French. 2,202,627; May 28.
Targets, Determining the shooting elements of moving. I. Juhász. 2,202,453; May 28.
Telegraphone, Magnetic. F. G. Buhrendorf. 2,202,139; May 28.
Telephone attachment, Automatic dialing. H. Aaron and J. Hammerstrom. 2,202,366; May 28.
Telephone circuit. W. Koenig, Jr. 2,202,386; May 28.
Telephone system. R. E. Collis. 2,201,986; May 28.
Telephone system. E. Vroom. 2,202,474; May 28.
Telescope sight mounting. J. C. Gray. 2,202,000; May 28.
Television and like system. F. von Okolicsanyi. 2,202,541; May 28.
Television receiver. A. A. Linsell. 2,202,300; May 28.
Television system. F. Schröter. 2,202,605; May 28.
Television system. A. C. Stocker. 2,202,171; May 28.
Television transmission apparatus. R. Urtel. 2,202,613; May 28.
Temperature control, Automatic. H. R. Crago. 2,202,731; May 28.
Temperature control device for internal combustion engines. W. F. F. Martin-Hurst and J. A. H. Sargeaunt. 2,202,705; May 28.
Temperature in ore roasting furnaces, Regulating. D. L. Cramp. 2,202,245; May 28.
Test plug, Inflatable. E. F. Schuldt. 2,202,321; May 28.
Testing apparatus. W. S. Praeg. 2,202,638; May 28.
Textiles and composition for use therein, Decorating. N. S. Cassel. 2,202,283; May 28.
Textile materials, Coloration of. H. Platt. 2,202,066; May 28.
Textile rovings, Mechanism for drawing. F. Casablancas. 2,202,755; May 28.
Textiles, Bleaching of. E. Butterworth. 2,202,332; May 28.
Textiles, Treatment of. E. Butterworth. 2,202,331; May 28.
Textiles, Treatment of. E. Butterworth and B. P. Ridge. 2,202,334; May 28.
Textiles, Treatment of. E. Butterworth and J. A. M. W. Mitchell. 2,202,335; May 28.
Theftproof roadlight mounting. N. A. Tornblom and I. Meyer. 2,202,472; May 28.
Therapeutic agents and products resulting therefrom, Synthesizing. R. E. Marker and T. S. Oakwood. 2,202,704 May 28.
Thermostat. H. S. Turner. 2,202,069; May 28.
Thorium oxide and contact masses therefrom, Manufacture of. R. Müller and H. Lee. 2,202,637; May 28.
Throttle and governor device, Combined. A. C. Hoof. 2,202,423; May 28.
Ticket issuing machine. R. H. Helsel. 2,202,377; May 28.
Time indicating mechanism. N. Hammer. 2,202,581; May 28.
Timer, Ignition. J. L. Arthur. 2,202,077; May 28.
Timing device for telephones. B. N. Gottlieb. 2,202,149; May 28.
Tire changer and wheel balancer and tool therefor, Combination. W. J. Bazarek. 2,201,982; May 28.
Toilet seat. F. J. Moore. 2,202,669; May 28.
Tone enhancing and reinforcing bar for stringed musical instruments, Vibratory. L. Kapelman. 2,202,208; May 28.
Tool: *See*—
Automotive tool. Machine tool.
Box strapping tool. Parting tool.
Carding tool. Wood carving tool.
Tool-receiving handle. B. M. Hiatt. 2,202,253; May 28.
Tool transmission and control, Machine. F. A. Parsons. 2,202,263; May 28.
Tooth, Artificial. S. Myerson. 2,202,712–13; May 28.
Torque, Fluted drive. J. Mikulasek. 2,202,667; May 28.
Torque, Tapered lug. C. K. Woodin. 2,202,679; May 28.
Toy. D. K. Bock. 2,202,083; May 28.
Toy, Paper. D. M. Warren. 2,202,036; May 28.
Toy railroad track switch. J. L. Bonanno. 2,202,546; May 28.
Toy railway system. R. J. Jurick. 2,202,557; May 28.
Trailer brake. W. M. Miller. 2,202,221; May 28.
Train order delivering device. E. C. Weatherly. 2,202,544; May 28.
Transferring or reproducing machine. G. Tauschek. 2,202,359; May 28.
Transmission. C. W. Hansell. 2,202,629; May 28.
Transmission apparatus. L. M. Leeds. 2,202,699–700; May 28.
Transmission mechanism. H. Sinclair and R. C. Clerk. 2,202,271; May 28.
Transplanter. G. D. Owen. 2,202,228–9; May 28.
Transport vehicle, Universally movable. J. Evans. 2,202,650; May 28.
Trap: *See*—
Steel trap.
Trash container, Sanitary. J. W. Thompson. 2,202,238; May 28.
Trolley contactor. S. S. Stolp and R. C. Sutton. 2,202,471; May 28.
Trolley tender. R. G. Averill. 2,202,723; May 28.
Trolley wire support. S. S. Matthes. 2,202,707; May 28.
Truck body construction. C. Marinello. 2,202,015; May 28.
Trylon and persphere. B. Horton. 2,202,382; May 28.
Tube: *See*—
Cathode ray transmitting tube. Discharge tube.
Cathode ray tube. Electron discharge tube.
Glow discharge tube.
Tube device, Vacuum. E. Löpp. 2,202,500; May 28.
Typewriter. R. S. Reid. 2,202,565; May 28.
Typewriting and computing machine, Combined. H. L. Pitman. 2,202,671; May 28.
Typewriting machine. H. J. Hart. 2,202,451; May 28.
Uncoupling mechanism. W. J. Metzger. 2,202,666; May 28.
Unloading mechanism. D. A. Johnston. 2,202,555; May 28.
Vaccine for treatment of canine distemper, The production of virus. H. M. Shoetensack. 2,202,435; May 28.
Vacuum breaker for flushometers. D. A. Gillen. 2,202,099; May 28.
Vacuum cleaner. G. W. Allen. 2,202,788; May 28.
Vacuum preventer. V. W. Strode. 2,202,123; May 28.
Valve: *See*—
Corrosion resistant valve. Release valve.
Float valve. Steam stop valve.
Mixing valve.
Valve converting system, Electric. W. Spielhagen. 2,202,720; May 28.
Valve cap. L. C. Broecker. 2,202,185; May 28.
Valve control system, Electric. W. H. Howe. 2,202,205; May 28.
Valve converting system, Electric. M. M. Morack. 2,202,711; May 28.
Valve construction. E. M. Kling. 2,202,211; May 28.
Valves. J. N. Heiner. 2,202,004; May 28.
Vanity box. E. D. Motz. 2,202,744; May 28.
Vehicle: *See*—
Air conditioned vehicle. Motor vehicle.
Vehicle body. R. R. Roloson. 2,202,747; May 28.
Vehicle brake. W. E. P. Jeffery. 2,202,661; May 28.
Vehicle construction, Motor. A. J. Metz, Sr. 2,202,665; May 28.
Vehicle spring. M. Schilde. 2,202,603; May 28.
Vehicle wheel. F. W. Baker. 2,202,080; May 28.
Vehicle wheel. H. J. Horn. 2,202,102; May 28.
Vehicular steering mechanism. S. K. Towson. 2,202,676; May 28.
Velocipede construction. G. E. Bullock. 2,202,479; May 28.
Velocipede frame. B. J. Anderson. 2,202,282; May 28.
Vending apparatus, Coin controlled. C. A. Friemering. 2,202,578; May 28.
Vending machine. A. P. McKelvy. 2,202,112; May 28.
Ventilating device. W. H. Dresser and W. E. Van Doren. 2,202,330; May 28.
Ventilating device for automobiles. W. L. Morrison. 2,202,393; May 28.
Ventilation apparatus, Vehicle. A. R. Lintern. 2,202,703; May 28.
Vessel, Electric discharge. H. Schedel. 2,202,469; May 28.
Vitamin concentration. L. E. Booher. 2,202,307; May 28.
Voltage-regulating equipment. F. Ratkovszky. 2,202,024; May 28.
Wall box switch. F. Pedatella. 2,202,535; May 28.
Wall structure. J. C. Morrell. 2,202,783; May 28.
Wall, Tiled. R. C. Worden. 2,202,568; May 28.
Warning system of dwelling houses, hotels, and similar establishments. A. Cianchi. 2,202,188; May 28.
Washing machine. J. H. Hamilton and D. B. Nicholson. 2,202,344; May 28.
Washing machine agitator drive mechanism. C. H. Logue. 2,202,499; May 28.
Washing machine, Domestic. J. R. Hurley. 2,202,152; May 28.
Washing machine, Domestic. G. Lidseen. 2,202,158; May 28.

Waste paper stock pump. F. R. Forrest. 2,202,790; May 28.
Waste receptacle. B. Gottheim. 2,202,523; May 28.
Watches, Exterior operating member for watertight. E. Morf. 2,202,114; May 28.
Water closet seat, Sanitary. R. J. and L. Delhaye. 2,202,095; May 28.
Water softener. A. Gudmundsen. 2,202,001; May 28.
Waxing machine. N. Marcalus. 2,202,159; May 28.
Weather strip. O. Dahl. 2,202,482; May 28.
Web perfecting rotary press. H. M. Barber. 2,202,134; May 28.
Weft tension and loom stopping device. W. T. Sullivan. 2,202,323; May 28.
Weight, Wheel balance. E. W. Turner. 2,202,129; May 28.
Well assembly, Thermocouple. M. Mason. 2,202,533; May 28.
Well cementing device. A. L. Straub. 2,202,173; May 28.
Well heater. W. K. Thomas. 2,202,034; May 28.
Wetting agent and producing the same. J. N. Borglin. 2,202,686; May 28.
Wheel: *See*—
Car wheel. Vehicle wheel.
Wheels, Making vehicle. H. J. Horn. 2,202,490; May 28.
Winder. B. A. Peterson. 2,202,317; May 28.
Window. W. D. Bayley. 2,202,685; May 28.
Window, Double glazed. E. H. Haux. 2,202,694; May 28.
Window holder. E. A. Lahiere and T. Gillmet. 2,202,561; May 28.
Wiper arm, Windshield. F. G. and W. M. Folberth. 2,202,311; May 28.
Wire reel. W. B. Poppenga. 2,202,398; May 28.
Wood and similar materials, Carbonization of. T. Reichert. 2,202,231; May 28.
Wood carving tool. R. G. Gille. 2,202,251; May 28.
Wood finishing process. S. Maurer. 2,202,109; May 28.
Wood impregnating solution. B. O. Hüger. 2,202,579; May 28.
Woodwork incising machine. S. Maurer. 2,202,110; May 28.
Workpiece dimensions, Testing of accuracy of. W. Baesgen, H. Demsky, and O. Patzold. 2,202,683; May 28.
Wrench: *See*—
Ratchet wrench.
Wringer. W. L. Kauffman. 2,202,777–9; May 28.
Writing surface. J. E. Arberry. 2,202,682; May 28.
Yarn feeding mechanism for straight knitting machines. G. Gastrich. 2,202,521; May 28.
Yarn, Treating. C. V. Smith. 2,202,031; May 28.
Yarns and filaments, Treatment of textile. C. Dreyfus and G. Schneider. 2,201,992; May 28.

CLASSIFICATION OF PATENTS

ISSUED MAY 28, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Trade Marks	286—No.	377,398 to No.	377,683, inclusive.
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Prints	7—No.	17,950 to No.	17,956, inclusive.
Reissues	6—No.	21,442 to No.	21,447, inclusive.
Plant Patents	10—No.	385 to No.	394, inclusive.
Patents	860—No.	2,199,379 to No.	2,200,238, inclusive.
Designs	144—No.	120,332 to No.	120,475, inclusive.
Total	1,381		

Important Notice as to Prints and Labels

Under the provisions of the Act of Congress approved July 31, 1939, the Commissioner of Patents is required to return to the respective applicants all applications for the registration of prints and labels pending in the Patent Office and uncleared at the close of business June 30, 1940, together with all funds paid or deposited in connection therewith; the Register of Copyrights being charged with the registration of prints and labels commencing July 1, 1940.

Since it is unlikely that certificates of registration could be issued by the Patent Office, within the prescribed time, upon applications filed or amended later than May 15, 1940, it is suggested that new applications, and amendments in those pending, be withheld after that date, thus avoiding unnecessary expense and possible confusion.

LESLIE FRAZER,
Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Apr. 15, 1940.*

Mode Publishing Co., Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Coast-To-Coast Publishing Co., Inc., 501 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration No. 234,181, issued October 18, 1927, to Mode Publishing Co., Inc., 15 West Thirty-seventh Street, New York, N. Y., and a notice of such proceeding sent by registered mail to said Mode Publishing Co., Inc. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Mode Publishing Co., Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Adjudicated Patents

(D. C. N. Y.) Sargent patent, No. 1,567,863, for house-wiring structure, claims 1 to 9, inclusive, *Held* valid and infringed. *General Electric Co.* v. *Leviton Mfg. Co.*, 31 F. Supp. 580.

(C. C. A. N. Y.) Aldrich patent, No. 1,579,497, for safety control mechanism for electrically-controlled fuel-burning device, claims 1 to 5 *Held* invalid. *Cleveland Trust Co.* v. *Osher & Reiss*, 109 F.(2d) 917.

(C. C. A. N. Y.) Scott patent, No. 1,602,175, for electric control system for fuel oil burners, claims 2 and 6 *Held* not infringed. *Id.*

(C. C. A. Iowa.) Blanc patent, No. 2,009,871, for cutter member for cleaning drain pipes, claim 6 *Held* not infringed. *Blanc* v. *Weston*, 109 F.(2d) 911.

(C. C. A. N. Y.) Samuels patent, No. 2,095,223, for fan, claims 1 to 7, and 18 *Held* valid and infringed. *Samson-United Corporation* v. *Emanuel*, 109 F.(2d) 922.

(C. C. A. N. Y.) Scott reissue patent, No. 17,405, for oil-burning heating system, claims 12, 14, 16, 17, and 21 *Held* invalid. *Cleveland Trust Co.* v. *Osher & Reiss*, 109 F.(2d) 917.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,988,706, C. E. Swift, Process for dewaxing oils, decided January 2, 1940, claims 4, 5, 6, 7, 8, and 9.

Pat. 2,175,590, P. D. Barton, Method of fractionation, decided April 12, 1940, claims 1 and 2.

Pat. 2,177,759, W. R. Walker, Centrifugal switch, decided April 12, 1940, claims 1 and 2.

Condition of Applications Under Examination at Close of Business April 20, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,746: Trade-Mark Division, 1,372. Oldest new case, June 14, 1939; oldest amended, Sept. 11, 1939.)
(The dates given are 1939 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 30	Nov. 27	608
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Oct. 21	Oct. 21	882
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furances	†Feb. 23	†Feb. 20	299
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Nov. 25	Nov. 21	540
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons.	†Jan. 26	†Jan. 20	350
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 11	Oct. 2	1,011
5725	7. JARBOE, C. G., Optics; Photography	Dec. 13	Dec. 19	939
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Oct. 28	Oct. 24	1,070
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 25	Oct. 25	767
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	†Jan. 12	†Feb. 8	422
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Jan. 23	†Jan. 27	375
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Dec. 8	Nov. 25	504
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 18	Nov. 17	677
5097	14. REYNOLDS, E. L., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Jan. 2	Dec. 30	618
4897	15. HENKIN, BENJ., Glass: Plastic Block and Earthenware Apparatus; Plastics	Oct. 31	Oct. 25	1,207
5716	16. SPENCER, C. J., Telegraphy: Telephony	Nov. 30	Nov. 30	544
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 6	Dec. 2	642
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 13	Nov. 10	624
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Jan. 12	†Jan. 15	458
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Dec. 11	†Jan. 10	308
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 22	Dec. 20	450
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Sept 11	Sept. 11	1,159
7624	23. BUTTNER, W. J., Registers (part)	Sept. 16	Sept. 20	254
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 8	Sept. 15	1,443
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 19	Dec. 20	523
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Nov. 25	Nov. 24	411
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Oct. 16	Sept. 20	854
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Nov. 25	Nov. 6	512
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 2	Oct. 31	865
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Dec. 9	Dec. 11	752
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 20	Dec. 14	942
4086	32. LESH, KARL., Gas and Liquid Contact; Heat Exchange; Gas Separation: Agitating	Dec. 22	Dec. 20	216
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Dec. 11	Dec. 2	936
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Dec. 27	†Feb. 17	224
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Nov. 13	Nov. 6	713
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Nov. 4	Nov. 24	699
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 2	No . 22	626
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering: Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Oct. 3	Oct. 5	762
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 8	Dec. 9	569
7880	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	Sept. 20	Sept. 20	1,959
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Dec. 2	Nov. 30	277
5882	42. CUTTING, H. O., Electric Signaling	Sept. 16	Sept. 22	738
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Dec. 1	Dec. 14	457
4087B	44. HARVEY, L. P., Refrigeration	Nov. 15	Nov. 14	640
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Jan. 2	†Jan. 2	463
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Dec. 1	Dec. 1	709
6082	47. FIELDER, W. C. (Act.), Clutches; Brakes	Dec. 21	Dec. 22	479
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 28	Nov. 28	500
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Oct. 19	Oct. 11	921
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrates Derivative; Rubber; Coating Processes	Nov. 20	Nov. 20	1,418
5628	51. BACKUS, C. D., Radiant Energy (part)	†Feb. 6	†Feb. 6	616
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 11	Dec. 13	670
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 17	Nov. 15	311
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	†Feb. 16	†Feb. 8	268
5883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Nov. 24	Nov. 25	501
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Oct. 20	Oct. 20	1,230
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 14	†Jan. 27	368
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 2	Nov. 27	474
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 9	Nov. 9	823
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	†Jan. 13	†Jan. 13	349
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Nov. 27	Nov. 7	631
5621	62. PUGH, E. C., Games; Geometrical Instruments	†Feb. 16	†Feb. 3	311
4388	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Sept. 26	Sept. 19	1,084
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Jan. 15	†Jan. 12	585
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Jan. 15	Dec. 20	454
3099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Mar. 19	†Apr. 5	1,279
	{Labels and Prints	†Apr. 6	†Apr. 12	93
2605	Designs: H. H. KALUPY	†Mar. 12	Apr. 4	855

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE BERTSCH

No. 4,217. Decided December 11, 1939

[107 F.(2d) 828]

PATENTABILITY—PROCESS OF CLEANSING.

Claims for a process of cleansing *Held* unpatentable over the prior art and *Held* unpatentable as calling for an illegal extension of patent monopolies.

APPEAL from Patent Office. Affirmed.

Messrs. Hammond and Littel (*Mr. Charles P. Pollard* of counsel) for Bertsch.

Mr. Howard S. Miller for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting all of the claims of appellant's application for a patent, eleven in number, filed July 11, 1934, for want of patentability over the cited prior art. The Board also rejected the claims upon the ground that they were not patentably different from claims in patents which had been issued to appellant.

Claims 1 and 7 are illustrative of the nature of the subject matter involved and read as follows:

1. A process of cleansing soiled materials during laundering thereof, which comprises treating such soiled material with an aqueous solution of a sulfuric acid ester of an aliphatic alcohol corresponding in number of carbon atoms to a fatty acid of a natural fatty or oily material, said ester being substantially free from admixed soap or higher carboxylic acid.

7. The process claimed in claim 5 in which the cleansing agent consists essentially of sodium lauryl sulfate.

For the purposes of this case it is unnecessary to quote claim 5.

The references cited before the Board were: Ullman, 1,743,054, January 7, 1930; Bohme (British), 361,565, November 26, 1931; Luther, 1,908,376, May 9, 1933; Luther et al., 1,909,295, May 16, 1933; Bertsch, 1,968,794, July 31, 1934; Bertsch, 1,968,795, July 31, 1934; Friesenhahn, 1,999,629, April 30, 1935.

The Board disagreed with the Examiner as to the applicability of the references Ullman, Bohme, and Friesenhahn, so those patents require no consideration by us.

The alleged invention, for the purpose of our discussion, is sufficiently described in the quoted claims.

The patent to Luther, No. 1,908,376, relates to the production of sulphonated products. The patent states:

I have now found that useful sulphonation products can be obtained by sulfonating the single classes of such oxidized paraffin hydrocarbons, waxes and similar materials, such as hard and soft paraffin wax, or montan wax, which, for the sake of brevity, will be referred to in the following and in the claims as paraffinic bodies, from which only the unaltered initial materials have been completely or partially removed. The neutral, unsaponifiable oxidation products may be sulphonated to produce water soluble compounds as well as the highly oxidized, acid oxidation products.

* * * * * * *

The term "sulphonated", wherever it occurs, is meant to define that the products have been acted upon with a sulphonating agent so that, as is well known in the art, sulphuric esters, or sulphonic acids, or mixtures of both, may be obtained, depending on the nature and quantity of the usual sulphonating agents employed.

The sulphonation products obtained in this manner can be advantageously employed for the preparation of soaplike products, as for example similar to Turkey-red oil, for use in the textile industry, as emulsifying agents, and the like.

With respect to the definition of the term "sulphonated" above quoted, it appears that this paragraph was inserted in Luther's application on January 4, 1933, and that said application was filed on August 9, 1928.

Claims 5 and 6 of said Luther patent read as follows:

5. A composition of matter having soaplike and emulsifying properties consisting essentially of a sulphonated mixture of alcohols containing from 10 to 25 carbon atoms obtainable by the liquid-phase oxidation of paraffin wax.

6. A composition of matter having soaplike and emulsifying properties consisting essentially of a sulphonated mixture of alcohols in which alcohols having from 12 to 20 carbon atoms predominate and which is obtainable by the liquid-phase oxidation of paraffin wax.

The patent to Luther et al., No. 1,909,295, relates to the same general subject as does the patent to Luther. Claims 5 and 6 of this patent read as follows:

5. A process for producing products of the character of Turkey red oil which comprises oxidizing solid paraffin hydrocarbons in the liquid state until about 50% of the initial material is oxidized, removing the oxidized portion of the initial material by extraction with methanol and acting on said oxidized portion with a sulphonating agent.

6. A composition of matter having soaplike and emulsifying properties, consisting essentially of a mixture of sulphuric acid derivatives of aliphatic acids having from 10 to 35 carbon atoms and sulphuric acid derivatives of aliphatic alcohols having from 10 to 25 carbon atoms, said mixture being obtainable by treatment of the oxidation product of the liquid phase oxidation of paraffin with a sulphonating agent.

As hereinbefore stated, the Board of Appeals applied a new ground of rejection of all of the claims, viz., that the claims before us are for an illegal extension of patent monopolies already granted to appellant. With respect to this ground of rejection the Board in its decision stated:

We do not see how claim 1 differs except in phraseology from claim 1 of the Bertsch Patent No. 2,046,242 or claims 15 and 17 of the Bertsch Patent No. 1,968,795.

Claim 2 refers to a normal alcohol. The Bertsch Patent No. 1,968,795 shows this feature and it is a mere matter of choice to use the normal alcohol.

Claim 3 refers to a mixture of alcohols. This is claimed in claims 28 and 29 of Bertsch No. 1,968,794 and we see no invention in using the mixture rather than a selected component of the mixture.

We are satisfied that the inventions of claims 1 to 4 are not patentable over those indicated and claimed in the Bertsch patents.

The remaining claims refer to the hardness of the water but this feature is referred to in claim 9 of the Bertsch Patent No. 2,046,242 which patent is directed to rinsing fibrous materials. These claims refer also to alcohols from cocoanut oil. We see no patentable distinction in "cleansing soiled fabric". This patent also states that the calcium and magnesium soaps do not separate.

Claim 10 requires that the temperature be controlled to prevent precipitation of the hardness causing substances. We see nothing of an inventive character in this feature. If the alcohol used would result in a compound insoluble in cold water the obvious thing to do is to heat the water.

Claim 11 specifies dodecyl sulphate. The selection of this compound does not appear to be of a critical or inventive nature. We do not find as much in the specification about this compound as there will be found in the Bertsch Patent No. 1,968,795. See claim 21 of this patent.

We would here note that the reference to claim 21 of appellant's Patent No. 1,968,795 is obviously

an error, for a reading of the claims shows that the reference should have been to claim 20, which specifies a sulfuric ester of primary dodecyl alcohol, while claim 21 makes no reference to this chemical element.

These three prior patents issued to appellant were upon applications which were copending with appellant's application before us, and appellant correctly contends that disclosures in such patents not claimed therein may not be resorted to as a ground of rejection of the claims before us. However, as we understand the Board's decision, it did not rely upon disclosures not claimed in such patents, but only upon the claims therein and disclosures pertaining thereto.

Appellant's Patent No. 1,968,794 relates to a process of making sulphuric reaction products of aliphatic alcohols, and includes both product and process claims. One of the claims, No. 15, is for sodium lauryl sulphate, while claim 7 before us is for the use of such product in cleansing soiled fabrics in hard water. The patent states:

> The preparations which are thus obtained and which largely consist of the products of sulphation or sulphonation of the lauryl alcohol are very stable, very soluble in water, they are quickly acting moistening and foaming bodies which are particularly suitable for textile purposes and for purposes of the leather industry, the pharmaceutical industry, in the art of working metal, for manufacturing insecticides and dust binding media, in ceramics, and as a foaming fire extinguishing medium in which case 5% thereof may be added to a 10% solution of sodium bicarbonate and containing sulphuric acid as a fire extinguishing medium. Also the said preparations may be used wherever moistening, permeating, introducing of active components, emulsifying, cleaning and softening properties or the forming of protective colloids are desired.

Appellant's Patent No. 1,968,795 states:

> My invention relates to improvements in moistening, permeating, foaming and dispersing media, and in the process of manufacturing the same.

Claims 15 and 20 of this patent read as follows:

> 15. A process for increasing the penetrating and cleansing power of treating, cleaning or detergent agents comprising adding thereto a sulphuric ester of a higher primary fatty alcohol.
> 20. A treating bath having high moistening and permeating properties containing a treatment agent and a sulphuric ester of primary dodecyl alcohol.

Appellant's Patent No. 2,046,242 relates to a process for preventing the detrimental formation of lime and magnesia soaps. Claim 1 of this patent reads as follows:

> 1. In a process of rinsing fibrous materials treated with solutions of fatty acid derivatives unstable towards lime and magnesia salts, the method of preventing the detrimental effects of lime and magnesia soaps remaining as a result of such treatment characterized in that sulphonation products of the primary higher aliphatic alcohols are added to the rinsing liquids.

In none of these patents is there any reference to the products there disclosed being useful in laundering operations.

We are unable to find error by the Board of Appeals upon either of its grounds of rejection of apellant's claims. Some of the questions in connection therewith are technical in character. As to such questions, in so far as there are concurring decisions of the Patent Office tribunals with respect thereto, the rule is applicable that such decisions will not be disturbed unless it appears that they are manifestly wrong. *In re Hornsey*, 18 C. C. P. A. (Patents) 1222, 48 F.(2d) 911, 410 O. G. 1060.

The principal question before us is not of a technical nature. It is whether or not, in view of the patents to Luther and the claims of appellant's prior patents, invention was involved in using for laundering purposes the compounds disclosed by Luther and Luther et al. or those embraced in the claims of appellant's patents.

Before passing upon this question, however, we will first consider whether the compounds disclosed by the Luther patents were of the character of those here claimed, and were suitable for laundering purposes and for cleansing soiled fabrics.

We find in the record the following remarks of appellant's counsel following the first rejection of the claims by the Examiner:

> In determining the pertinency of the Luther Patent No. 1,908,376 in its relation to applicant's claims 1, 4, 5 and 8, three major questions as to its disclosure must be considered: (1) Does the patent disclose the compounds claimed by the applicant? (2) Does it actually disclose the production, properties and use of the compounds which it purports to disclose? (3) Does it disclose the process claimed by the applicant in which the compounds specified in the claims are used?
> As to the first question, the answer must be in the affirmative, for the patent does mention in so many words sulfuric acid esters of alcohols containing at least 10 carbon atoms. As to the second question, the answer must be in the negative, for there are definite indications in the description that the patentee did not produce or isolate sulfuric acid esters of higher molecular alcohols suitable for applicant's process. • • •

Both Patent Office tribunals found that the products here claimed were disclosed in said Luther patent, and as above indicated this was admitted before the Examiner by appellant's counsel. Appellant contends however that a part of this disclosure was through amendments made after the filing date of appellant's copending application, that such amendments constituted new matter, and therefore may not be regarded as prior art inasmuch as they were made after the filing of appellant's applications upon which patents were issued.

The Examiner in his statement does not refer to this contention of appellant. The Board of Appeals in its decision referred to it as follows:

> A collateral attack is also made on the validity of the Luther patents. However, we are of the opinion that this attack has no bearing on the patentability of applicant's claims over the Luther patents with the possible exception of claims 7 and 11. Even as to these claims, however, we believe it will be obvious to those skilled in the art to try the lauryl and dodecyl compounds to treat textiles and to wash textiles as is done with Turkey red oil. The production of lauryl alcohol seems to be inherent in the Luther process. Applicant, however, points in claims 5 to 11, inclusive, to the use of hard water in the washing process. The use of hard water is the rule in washing operations and is referred to in the Bertsch patents.

Appellant's counsel insists that he does not attack the validity of the patents to Luther and to Luther et al., but only their availability as references against the claims before us.

We are not convinced that the Luther amendments relied upon by appellant constitute new matter, with the possible exception of the disclosure in such amendments of the lauryl and dodecyl compounds, which are embraced in claims 7 and 11 respectively before us; and as to these compounds we are unable to hold, after carefully considering the argument of appellant's counsel upon this point, that the Board erred in holding that it would be obvious to those skilled in the art to try such compounds in the treatment of textiles and to wash textiles, or in holding that the production of lauryl alcohol is inherent in the Luther process.

Holding as we do that the compounds embraced in the claims before us were disclosed in the patents to Luther and to Luther et al., the question is whether the use of such compounds in laundering operations and the cleansing of fabrics involved the exercise of the inventive faculty.

It is true that nowhere does Luther or Luther et al. state that the products disclosed therein are useful for laundering processes. It is stated, however, in Patent No. 1,908,376 that the products there disclosed—

> "can be advantageously employed for the preparation of soaplike products, as for example similar to Turkey-red oil, for use in the textile industry, as emulsifying agents, and the like",

and his claims include—

> "A composition of matter having soaplike and emulsifying properties."

In Patent No. 1,909,295 the claims include—

> "A composition of matter having soaplike and emulsifying properties."

Assuming that the rule that ordinarily no invention is involved in discovering a new use for an old product is not here applicable, we do not think that, in view of the disclosures of the uses of the products disclosed in said Luther and Luther et al. patents, it would require the exercise of the inventive faculty to use such products in laundering and cleansing operations.

Appellant submitted an affidavit by a chemist setting forth that tests were made of the products disclosed in the Luther and Luther et al. patents, produced by the processes there disclosed, and that it was found that the products produced by such processes had no value as cleansing agents, and were in fact soiling rather than cleansing agents.

The Examiner considered this affidavit and stated that it was not convincing and gave his reasons for his conclusion, which it is not necessary for us here to repeat. It is sufficient to say that, after carefully examining the affidavit, we are not satisfied that tests were made of all of the products disclosed by Luther and Luther et al., and which are claimed in the processes embraced in the claims before us.

With respect to the rejection by the Board of Appeals of the involved claims upon appellant's prior patents, we agree with the Board that the claims before us are not patentably distinct from certain of the claims in said patents.

To illustrate, claim 15 of Patent No. 1,968,794 is for the compound sodium lauryl sulphate. Claim 7 in the application before us is for the use of such compound as a cleansing agent with water. In said Patent No. 1,968,794 it is stated that the products therein claimed are among other things—

> "particularly suitable for textile purposes",

and it is there stated—

> "Also the said preparations may be used wherever moistening, permeating, introducing of active components, emulsifying, cleaning and softening properties or the forming of protective colloids are desired."

It seems to us that it is perfectly apparent that in view of the disclosures of the patent, when it expires the public will have the right to use sodium lauryl sulphate for the cleansing of fabrics or for laundering purposes, and to allow claim 7 before us would in effect be an illegal extension of the monopoly granted by said patent.

What we have said with respect to claim 7 is, we think, equally true of the other claims before us. The Board of Appeals in its decision considered each of the rejected claims and applied them to the claims of appellant's prior patents, and we are not satisfied that it erred in its conclusion with respect thereto.

For the reasons hereinbefore stated the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,484,940, 1,767,174, E. Gathmann, Ingot mold and ingot, filed Jan. 19, 1940, D. C. Del., Doc. 122, *E. Gathmann et al.* v. *Ford Motor Co.*

1,526,982, E. W. Hill, Stencil sheet, D. C., E. D. Pa., Doc. 8677, *A. B. Dick Co.* v. *R. S. Fulton.* Dismissed Feb. 14, 1940.

1,542,341. (See 1,819,641.)

1,577,917, D. G. Lorraine, Method and apparatus for separating oil and gas; 1,670,728, 1,620,771, same, Oil and gas separator; 1,693,849, same, Oil and gas separator, filed Feb. 14, 1940, D. C., S. D. Calif., C. Div., Doc. 805 RJ, *The Lorraine Corp.* v. *American Pipe & Steel Corp.*

1,605,445, F. L. Killian, Machine for manufacturing thin rubber articles, D. C., S. D. Calif. (Los Angeles), Doc. 780–B, *F. B. Killian et al.* v. *Crown Rubber Co. et al.* Consent decree holding patent valid and infringed, injunction Feb. 15, 1940.

1,620,771. (See 1,577,917.)

1,628,428, C. Prichard, Draft regulator, D. C., S. D. N. Y., Doc. E 80/99, *Walker Mfg. & Sales Corp.* v. *A. Blanang et al.* (*Sleeves & Floor Plates Mfg. Co.*). Consent order of discontinuance without prejudice (notice Feb. 19, 1940).

1,649,310, E. A. Joline, Flexible shaft, D. C. N. J., Doc. 354, *S. S. White Dental Mfg. Co.* v. *Speedometer Service Co.* Discontinued Nov. 9, 1939.

1,660,745, J. H. Delaney, Acoustic building material, D. C., S. D. Calif. (Los Angeles), Doc. E 1328–Y, *Delaney Patents Corp.* v. *Johns-Manville et al.* Dismissed Feb. 14, 1940.

1,670,728. (See 1,577,917.) 1,693,849. (See 1,577,917.)

1,722,776. (See Re. 19,967.)

1,767,174. (See 1,484,940.)

1,783,864, C. W. Vogt, Apparatus and process for treating materials; 1,972,253, same, Process and apparatus for preparing and packing food products, D. C. Conn. (New Haven), Doc. E 2459, *Vogt Processes, Inc., et al.* v. *Clover Farms, Inc.* Stricken from docket Feb. 13, 1940, for lack of prosecution (notice Feb. 20, 1940).

1,789,949, A. Georgiev, Electrolytic cell; 1,815,768, same, Electrolyte, D. C., S. D. N. Y., Doc. E 76/136, *Aerovox Corp.* v. *Dubilier Condenser Corp. et al.* Consent decree on mandate Feb. 15, 1940. Doc. E 80/339, *Aerovox Corp.* v. *Cornell Electric Mfg. Co., Inc., et al.* (Oct. 11, 1935—Consolidated with E 76/136). Consent decree after mandate Feb. 15, 1940.

1,815,768. (See 1,789,949.)

1,819,641, E. Davis, Control for fluid motors; 1,958,533, same, Pressing machine; 1,542,341, O. R. Deckert, Press-

ing machine, filed Feb. 8, 1940, D. C., S. D. N. Y., Doc. 7/300, *The Prosperity Co., Inc.*, v. *Midtown Laundry Co., Inc.*

1,830,768, I. M. Rod, Art of making garments, D. C., E. D. Pa., Doc. 8511, *Rokap Corp.* v. *Zeeman Clothing Co., Inc.* Dismissed Feb. 13, 1940.

1,832,181, L. J. Byer, Sock and method of making same, D. C., S. D. N. Y., Doc. E 118, *L. J. Byer et al.* v. *Sarfert Hosiery Mills, Inc., et al.* Judgment on consent (notice Feb. 14, 1940).

1,867,144, L. Gelbman, Concrete molding machine, filed Feb. 9, 1940, D. C., S. D. N. Y., Doc. 7/314, *H. F. Andrus et al.* v. *H. W. Bell Co., Inc.*

1,889,499, Rorrer & Mitterer, Apparatus and method for refrigeration; 1,987,796, 2,011,731, 1,987,797, same, Refrigerated show case; Re. 21,264, same, Show case, filed Feb. 16, 1940, D. C., S. D. Calif. (Los Angeles), Doc. 808–J, *Stadium Stores, Inc.*, v. *Super-Cold Corp.*

1,902,957, M. J. Hinlein, Veil, D. C., S. D. N. Y., Doc. E 86/235, *J. H. Hinlein & Son* v. *Fine-Mark Braid & Knitting Mills Co., Inc.* Final decree and judgment Feb. 16, 1940.

1,912,539, R. C. Paul, Stocking foot, D. C., E. D. Pa., Doc. 8643, *Richard Paul, Inc.*, v. *Wallace Wilson Hosiery Co.* Dismissed Feb. 14, 1940.

1,919,674, L. Wenczel, Pneumatic puffing machine, D. C., S. D. N. Y., Doc. 5/355, *W. Gillman et al. (Sterling Airbrush Co.)* v. *New York Paper Co., Inc.* Dismissed (notice Feb. 5, 1940).

1,930,897, W. J. Hughes, Tuyère, C. C. A., 6th Cir., Doc. 8086, *E. H. Bardes Range & Foundry Co.* v. *American Engineering Co.* Decree affirmed holding patent valid and infringed Feb. 16, 1940.

1,934,492. (See Re. 19,070.)

1,958,533. (See 1,819,641.) 1,972,253. (See 1,783,864.)

1,977,536, E. A. Tubbs, Electrical system, filed Nov. 6, 1939, D. C. Del., Doc. 101, *E. H. Loftin* v. *R. C. A. Mfg. Co., Inc.*

1,987,796. (See 1,889,499.) 1,987,797. (See 1,889,499.)

2,002,812, J. Hansen, Method of producing cutter blades for slicing machines; 2,082,832, same, Machine for producing and resharpening cutter blades, D. C., S. D. Iowa (Davenport), Doc. 12, *J. Hansen* v. *H. C. Simmons et al.* Claims 1, 2, 6, 8, and 12 of 2,082,832 held infringed, injunction Feb. 12, 1940. Patent 2,002,812 held invalid Feb. 14, 1940.

2,011,731. (See 1,889,499.)

2,014,303. (See Re. 18,856.)

2,055,272. (See Re. 18,856.)

2,082,832. (See 2,002,812.)

2,097,222, Tompkins & Spender, Flashlight; Des. 99,316, E. H. Tompkins, Flashlight casing; Des. 101,800, Des. 99,336, same, Flashlight head, D. C., S. D. N. Y., Doc. E 86/321, *Scovill Mfg. Co.* v. *U. S. Electric Mfg. Corp.* Judgment (notice Feb. 21, 1940).

2,122,508, J. Bell, Signaling device, D. C., S. D. Ohio, W. Div., Doc. E 1059, *G. Jacobs et al.* v. *J. Bell.* Dismissed Feb. 20, 1940.

2,124,361, H. Fleisher, Knitted pile fabric, D. C., S. D. N. Y., Doc. E 87/347, *Princeton Knitting Mills, Inc.*, v. *Beaunit Mills, Inc., et al.* Consent order of discontinuance (notice Feb. 20, 1940).

2,167,569, Graves & Graves, Door mounting, filed Feb. 16, 1940, D. C., S. D. Tex. (Houston), Doc. 278, *M. J. McCandless* v. *J. E. Crosland.*

Re. 18,856, 2,014,303, A. Weiss, Rotary intaglio printing machine; 2,055,272, same, Rotary intaglio printing, C. C. A., 2d Cir., Doc. 16779, *A. Weiss et al.* v. *R. Hoe & Co., Inc., et al.* Decree modified (notice Feb. 19, 1940).

Re. 19,070, H. Chretien, Autocollimating reflector and application to optical signaling and night advertising; 1,934,492, A. Garbarini, Autocollimating reflector, D. C., S. D. Calif. (Los Angeles), Doc. 376–M, *Western Cataphote Corp.* v. *Pacific Signal Co., Inc.* Consent decree for plaintiff, finding patents valid and infringed, injunction Feb. 19, 1940.

Re. 19,967 (of 1,722,776), H. M. Weber, Composition of matter comprising resin ester, appeal filed Oct. 26, 1939, C. C. A., 3d Cir., Doc. 7249, *Gilbert Spruance Co.* v. *Ellis-Foster Co.*

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Re. 21,264. (See 1,889,499.)

Des. 99,316. (See 2,097,222.)

Des. 99,336. (See 2,097,222.)

Des. 101,800. (See 2,097,222.)

Des. 101,880, F. N. Lewis, Handbag, D. C., S. D. N. Y., Doc. E 86/159, *F. N. Lewis* v. *Vendome Bags, Inc.* Decree Feb. 13, 1940.

Des. 108,315, B. Benjamin, Shoe, D. C., S. D. N. Y., Doc. E 87/271, *Schwartz & Benjamin, Inc.*, v. *Stone Shoe Co., Inc.* Consent order of discontinuance (notice Feb. 6, 1940).

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Des. 111,055, G. Megibow, Textile fabric, D. C., S. D. N. Y., Doc. 1/63, *Try-Us Textile Processing Co., Inc.*, v. *Loma Art Textile Co., Inc., et al.* Consent decree as to Mandee Fabrics, Inc., Brody Textile Corp. and M. Buyer, et al. Oct. 14, 1938. Order of discontinuance on consent as to Loma Art Textile Co., Inc. and Beaunit Mills, Inc. Feb. 20, 1940.

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Des. 117,752, G. M. Logan, Jr., Handkerchief, filed Feb. 14, 1940, D. C., S. D. N. Y., Doc. 7/338, *G. M. Logan, Jr.*, v. *Suttons Fifth Ave., Ltd., et al.*

Des. 118,525, S. Zimmerman, Suit, filed Feb. 8, 1940, D. C., S. D. N. Y., Doc. 7/303, *M. W. Haft & Bros., Inc.*, v. *Kessler, Schwartz & Co., Inc.* Doc. 7/304, *M. W. Haft & Bros., Inc.*, v. *Delmoor Garment Co., Inc.* Doc. 7/305, *M. W. Haft & Bros., Inc.*, v. *Zimray, Inc.*

Des. 118,770, S. Faden, Dress, filed Feb. 13, 1940, D. C., S. D. N. Y., Doc. 7/326, *B. Weinberg et al.* v. *Puritan Skirt & Dress Co., Inc.*

Des. 118,788, F. Sussman, Dress, filed Feb. 9, 1940, D. C., S. D. N. Y., Doc. 7/311, *Bretter & Sussman, Inc.*, v. *Feinberg-Wiesen, Inc.*

Disclaimer

2,122,818.—*Aaron G. Ladrach*, Akron, Ohio. PRECISION MEASURING DEVICE. Patent dated July 5, 1938. Disclaimer filed April 15, 1940, by the assignee, *Illinois Tool Works.*

Hereby enters this disclaimer to claims 3, 4, 5, 6, 7, 8, 9, and 10 in said specification.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 7, 1940

[VOL. 514. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

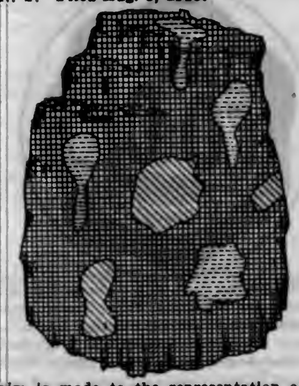
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 422,319. CONSOLIDATION COAL COMPANY, New York, N. Y. Filed Aug. 5, 1939.



No claim is made to the representation of the lump of coal. The trade-mark consists of silver and green spots or splotches of silver and green coloring matter indiscriminately applied or affixed to the surface of the coal by painting, spraying, scattering drops of liquid coloring matter, or otherwise applying the same directly to a material number of the lumps of coal in the mass, the number of lumps of coal so treated being sufficient to clearly identify the coal, and the spots or splotches being substantially in spattered effect.

For Coal.

Claims use since July 24, 1939.

Ser. No. 422,320. CONSOLIDATION COAL COMPANY, New York, N. Y. Filed Aug. 5, 1939.

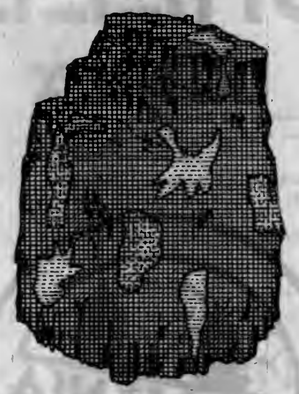


No claim is made to the representation of the lump of coal. The trade-mark consists of yellow and green spots or splotches of yellow and green coloring matter indiscriminately applied or affixed to the surface of the coal by painting, spraying, scattering drops of liquid coloring matter, or otherwise applying the same directly to a material number of the lumps of coal in the mass, the number of lumps of coal so treated being sufficient to clearly identify the coal, and the spots or splotches being substantially in spattered effect.

For Coal.

Claims use since July 24, 1939.

Ser. No. 422,321. CONSOLIDATION COAL COMPANY, New York, N. Y. Filed Aug. 5, 1939.



No claim is made to the representation of the lump of coal. The trade-mark consists of yellow and silver spots or splotches of yellow and silver coloring matter indiscriminately applied or affixed to the surface of the coal by painting, spraying, scattering drops of liquid coloring matter, or otherwise applying the same directly to a material number of the lumps of coal in the mass, the number of lumps of coal so treated being sufficient to clearly identify the coal, and the spots or splotches being substantially in spattered effect.

For Coal.

Claims use since July 24, 1939.

Ser. No. 426,039. ALBERT TROSTEL & SONS COMPANY, Milwaukee, Wis. Filed Nov. 28, 1939.

TROSCO

For Leather.

Claims use since 1933.

Ser. No. 427,611. BROWNTOWN SILICA COMPANY, Browntown, Wis. Filed Jan. 19, 1940.



The word "Rock" is disclaimed apart from the mark.
For Granular and Pulverized Silica Sand.
Claims use since Dec. 30, 1939.

Ser. No. 428,704. SHELL OIL COMPANY, INCORPORATED, St. Louis, Mo. Filed Feb. 19, 1940.

SHELL

DUTREX

For Petroleum Oil Resins.
Claims use since Jan. 17, 1940.

Ser. No. 428,738. SYLVANIA INDUSTRIAL CORPORATION, New York, N. Y. Filed Feb. 20, 1940.



For Cellulose Sheets Obtained by the Regeneration and Transformation of Viscose.
Claims use since Feb. 3, 1940.

Ser. No. 429,168. LLOYD H. BOHANON, doing business as Big Ten Seed Co., Minneapolis, Minn., assignor to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Filed Mar. 4, 1940.

BIG TEN

For Hybrid Seed Corn.
Claims use since Feb. 16, 1940.

Ser. No. 429,384. THE DOBECKMUN COMPANY, Cleveland, Ohio. Filed Mar. 7, 1940.

"ZIP-TAPE"

The word "Tape" is disclaimed apart from the mark.
For Printed or Unprinted Tape Made from Single Ply or Laminated Cellulose Sheeting To Be Laminated with Sheeting to Form Tear Strip Wrappers.
Claims use since Jan. 23, 1940.

CLASS 2

Receptacles

Ser. No. 425,290. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Filed Nov. 6, 1939. Under the act of February 20, 1905, as amended June 10, 1938.



For Cotton, Burlap, and Paper Bags, Cartons, Laundry, Garment, and Shopping Bags; Paper Cups, Metal Pocket Flasks; Pencil Boxes, Powder Boxes and Tool Cabinets Sold Empty in the Trade; Cardboard Hat Boxes; Cardboard and Metal Shoe Boxes; Shoe Bags; Fiberboard and Wood Packing Cases; Wood and Paper Dishes, Paper Bottles, Bread Boxes, Vanity Boxes, Mailing Tubes, Waste Baskets, Clothes Hampers, Metal Corn Cribs, Metal and Wood Kegs and Barrels, Metal Pails and Buckets, Coal Scuttles, Egg Crates, Egg Carriers, Storage Tanks, Gasoline Tanks, Metal Water Tanks, Oil Cans, Sprinkling Cans, Milk Cans, Livestock Troughs, Medicine Chests, Silos, Vacuum Bottles and Jars, Haversacks, Burial Caskets, Burial Vaults, Bird Cages, Metal Mail Boxes, and Grain Bins.
Claims use since December 1929.

Ser. No. 428,795. BENJ C. BETNER CO., Devon, Pa. Filed Feb. 23, 1940.

THERMOSEAL

For Paper Bags.
Claims use since Jan. 23, 1940.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 426,587. WHITING & DAVIS COMPANY, Plainville, Mass. Filed Dec. 14, 1939.

TILEMESH

For Mesh Bags of Base Metal.
Claims use since Dec. 6, 1939.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 412,662. O-CEDAR CORP'N, Chicago, Ill. Filed Nov. 12, 1938.

O-SO-EZY

For Shoe Polishes and Cleaning Oils for Cleaning Windows, Glass, Mirrors, and a Cleanser for Rugs and Upholstery.
Claims use since Sept. 30, 1913.

Ser. No. 427,946. SPADE PRODUCTS COMPANY, INC., New York, N. Y. Filed Jan. 27, 1940.

SPADE

For Liquid Shaving Preparation for Softening and Conditioning the Beard Before Shaving.
Claims use since Jan. 16, 1940.

Ser. No. 428,879. LEHN & FINK PRODUCTS CORPORATION. Bloomfield, N. J. Filed Feb. 24, 1940.

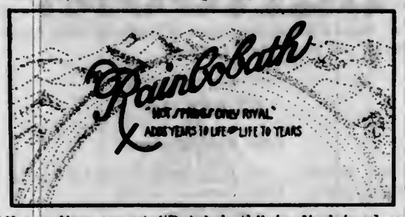
TUSSY

For Soap.
Claims use since Sept. 12, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 410,483. RAINBOBATH LABORATORIES, INC., San Francisco, Calif. Filed Sept. 12, 1938.



All wording except "Rainbobath" is disclaimed apart from the mark.
For Mineralized Sulphur Calcium Solution for Therapeutic Use for Activating Blood Circulation, Reducing Overweight and Detoxicating Acidity.
Claims use since Aug. 9, 1938.

Ser. No. 419,458. VANCE & COMPANY, Fort Worth, Tex. Filed May 15, 1939.



The drawing is lined for yellow. The woman's head is fanciful.
For Cold Creams, Face and Hand Lotions.
Claims use since Mar. 1, 1939.

Ser. No. 425,064. POLAK'S FRUTAL WORKS, INC., Long Island City, N. Y. Filed Oct. 30, 1939.



For Compositions of Essential Oils with Addition of Aromatic Chemicals for Perfumes and Cosmetic Preparations; Flavorings for Tobacco; Perfume Oils Used in the Perfuming of Soap.
Claims use since Jan. 1, 1928.

Ser. No. 427,972. ANNIE L. EDWARDS, Minden, La. Filed Jan. 29, 1940.

Madam A.L.Edward's



The portrait is that of the applicant.
For Preparation for Stimulating the Growth of Hair.
Claims use since May 1, 1907.

Ser. No. 428,285. HAMDEN SALES ASSOCIATION, INC., New York, N. Y. Filed Feb. 6, 1940.

COSMEGENIC

For Face Powder, Rouge, Lipstick, Powder Base, Eye Shade, Mascara, Beauty Kits Consisting of a Container, Box, or Package in Which There Are Inserted in Designated Spaces the Following Items: Foundation, Rouge, Lipstick, Eye Shadow, Cake Mascara, and Eyebrow Pencil.
Claims use since Dec. 11, 1939.

Ser. No. 429,091. CAMPANA CORPORATION, Batavia, Ill. Filed Mar. 1, 1940.

OLD SOUTH

For Toilet Waters, Colognes, and Perfumery.
Claims use since Feb. 22, 1940.

Ser. No. 429,103. NICHOLSON CHEMICAL CO., INC., Los Angeles, Calif. Filed Mar. 1, 1940.

TWO-N-ONE

For Tooth Ache Drops and Tooth Ache Gum.
Claims use since Mar. 1, 1939.

Ser. No. 429,138. MARIATTA SPECIALE, doing business as Aridus Products, Brooklyn, N. Y. Filed Mar. 2, 1940.

ARIDUS

For Powder Lotion for the Skin, a Quick Setting Hair Lotion, Deodorant Cream, Night Cream for the Skin and Lip Sticks.

Claims use since Dec. 30, 1939.

Ser. No. 429,373. WASHINGTON K. PENN, doing business as I. P. A. Manufacturing Co., McKinney, Tex. Filed Mar. 8, 1940.

IPA OINTMENT

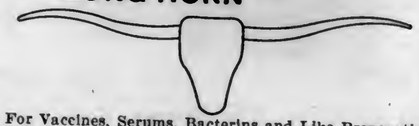
No claim is made to the word "Ointment" apart from the mark.

For Ointment for Treating Impetigo, Pimples (Acne), Athlete's Foot, Poison Ivy, Ringworm, Shingles, Insect Bites, Especially Chiggers and Mosquitoes, Eczema, and Old Sores.

Claims use since Oct. 2, 1939.

Ser. No. 429,494. LAIRD C. STETLER, doing business as L. C. Stetler, Hynes, Calif. Filed Mar. 12, 1940.

LONG HORN



For Vaccines, Serums, Bacterins and Like Preparations for Veterinary's Use.

Claims use since Sept. 1, 1939.

Ser. No. 429,568. GUERLAIN PERFUMERY CORPORATION OF DELAWARE, Wilmington, Del., and New York, N. Y. Filed Mar. 14, 1940.

VISAGE DE NUÉE

For Face Powder.

Claims use since Mar. 7, 1940.

Ser. No. 429,813. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Mar. 21, 1940.

BLU-CHEK

For Insecticides, Particularly Insecticides for Combatting Roaches and Ants.

Claims use since Feb. 13, 1940.

Ser. No. 429,880. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Mar. 22, 1940.

ETHYL TUADS

No claim is made to the word "Ethyl" apart from the mark.

For Chemical Compound Used as an Ultra Accelerator and Vulcanizing Agent in the Manufacture of Rubber Products.

Claims use since Mar. 7, 1940.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 428,727. HERCULES POWDER COMPANY, Wilmington, Del. Filed Feb. 20, 1940.

BITUMINITE

For Dynamite.

Claims use since Jan. 15, 1940.

CLASS 12

Construction Materials

Ser. No. 428,481. HAWAIIAN CANE PRODUCTS, LIMITED, Hilo, Hawaii. Filed Feb. 12, 1940.

CANEC

For Insulation Board.

Claims use since Mar. 23, 1932.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 429,296. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Mar. 7, 1940.

CEMCOAT

For Plated Metal and More Specifically Tin Plate.

Claims use since Mar. 1, 1940.

CLASS 15

Oils and Greases

Ser. No. 420,567. IOWA FARM SERVICE COMPANY, Des Moines, Iowa. Filed June 15, 1939.

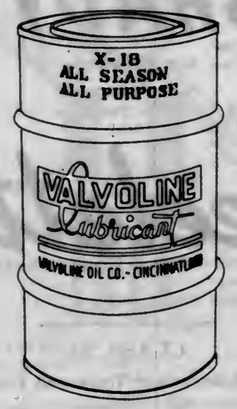


The drawing is lined for red and blue. The words "Quality" and "Farm Service" are disclaimed apart from the mark.

For Oils and Greases for Lubrication and Gasoline.

Claims use since Apr. 15, 1928.

Ser. No. 423,582. VALVOLINE OIL COMPANY, Cincinnati, Ohio. Filed Sept. 13, 1939.



No claim is made to the representation of the container and the words "All Season", "All Purpose", "Cincinnati, Ohio", and "Lubricant", apart from the mark.

For Lubricating Oils.

Claims use since Aug. 4, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 425,362. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., and Mobile, Ala. Filed Nov. 7, 1939.

BP

VELITE

For Dry and Paste Casein Paint.

Claims use since Mar. 26, 1936.

Ser. No. 427,117. OLIVER REEDER & SON, INC., doing business as Baltimore Copper Paint Company, Baltimore, Md. Filed Jan. 3, 1940.

TRITOX

For Wood Preservative in the Form of a Paint.

Claims use since Oct. 23, 1939.

Ser. No. 427,669. J. DEXTER HARRIS, doing business as J. D. Harris & Company, Cambridge, Mass. Filed Jan. 20, 1940.



For Paints in Paste or Ready-Mixed Forms, Varnishes, Lacquers, Paint or Pigmented Varnish Enamel, Liquid and Paste Floor Wax, Stains, and Decorative and/or Protective Paint Coatings.

Claims use since June 24, 1939.

Ser. No. 427,781. UNITED LABORATORIES, INC., Cleveland, Ohio. Filed Jan. 23, 1940.

ARMOR-PLATE

For Specially Prepared Paint Containing Suspended Metal Flakes Used for Coating Surfaces Where Slipping is Probable, Such as Stairs, Ramps, Boat Decks, Shower Room and Bath House Floors; Also Used for Inhibiting Rust and for Decorative Purposes.

Claims use since Dec. 1, 1938.

Ser. No. 429,271. NANKEE ALUMINUM PAINT CO., Jamaica, N. Y. Filed Mar. 6, 1940.

Nankee

For Ready Mixed Paints and Varnishes.

Claims use since July 1, 1937.

CLASS 17

Tobacco Products

Ser. No. 428,315. LARUS & BROTHER COMPANY, INC., Richmond, Va. Filed Feb. 7, 1940.

CLICK

For Cigars, Cigarettes, Chewing and Smoking Tobacco.

Claims use since Jan. 3, 1940.

Ser. No. 429,375. SCHWAB BROS. & BAER, INC., New York, N. Y. Filed Mar. 8, 1940.

VU-DAPAC

For Cigars.

Claims use since Mar. 4, 1940.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 300,056. THE EMERSON ELECTRIC MFG. CO., St. Louis, Mo. Filed Mar. 15, 1937.

EMERSON ELECTRIC

No claim is made to the word "Electric" apart from the mark.

For Electric Motor Controls Including Multispeed Capacitor Controls and Series Motor Controls; Electric Fans Including Oscillating and Nonoscillating Desk and Wall Bracket Electric Fans; Electric Generators; Electric Motors Including Gear Reduction Synchronous for Television, and Constant Speed Motors With Speed Control Devices; Electric Motor Protective Devices; Radio Generators; Starting Motors for Automobiles; Electric Switches Including Switch Boards and Switch Cabinets and Revolving Switches; Thermo-Actuated Switches; and Automatic Electric Valves.

Claims use since February, 1936.

Ser. No. 416,121. STEBER MANUFACTURING CO., Chicago, Ill. Filed Feb. 16, 1939.

UTILITE

For Electric Lighting Fixtures, Including Electric Reflectors, Flood-Lights, Shades, Globes, Lamps, and Parts Thereof.

Claims use since September, 1928.

Ser. No. 429,205. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Mar. 4, 1940.

EXPRESS TUNING

For Radio and Television Receiving Sets and Parts Thereof.

Claims use since Feb. 22, 1940.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 428,105. CARDART MANUFACTURING COMPANY, INC., Louisville, Ky. Filed Feb. 1, 1940.

Cardart

For Game Played With Pointed Darts and a Target Board With a Cork Surface.

Claims use since Nov. 15, 1939.

Ser. No. 429,773. HORACE W. HALL, Newton Highlands, Mass. Filed Mar. 20, 1940.

Shootin-Star

For Tennis, Squash, and Badminton Playing Rackets.

Claims use since May 1, 1939.

Ser. No. 430,028. ANNA W. LOWIN, Chicago, Ill. Filed Mar. 27, 1940.

"SHADY"

For Toy Animal.

Claims use since Mar. 19, 1940.

Ser. No. 430,148. PONTIAC PRODUCTS COMPANY, Pontiac, Mich. Filed Mar. 29, 1940.

Reelette

For Attachment to Fishing Poles and the Like for Winding Fishing Lines.

Claims use since Apr. 8, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 426,459. THE CINCINNATI ELECTRICAL TOOL COMPANY, Cincinnati, Ohio. Filed Dec. 11, 1939.

Air Master

For Dust Collector for Grinders and Buffers.

Claims use since Nov. 1, 1939.

Ser. No. 429,200. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill. Filed Mar. 4, 1940.

OIL-O-MATIC

For High Pressure Pumps and Suction Pumps.

Claims use since Sept. 12, 1939.

Ser. No. 429,278. BENJAMIN A. SCHIFF, Chicago, Ill. Filed Mar. 6, 1940.

DICTATEMASTER

For Record Resurfacing and Record Shaving Machines Used Particularly to Recondition the Surface of Records for Use.

Claims use since Apr. 12, 1938.

CLASS 25

Locks and Safes

Ser. No. 413,146. MARK RUBINOFF, New York, N. Y. Filed Nov. 25, 1938.

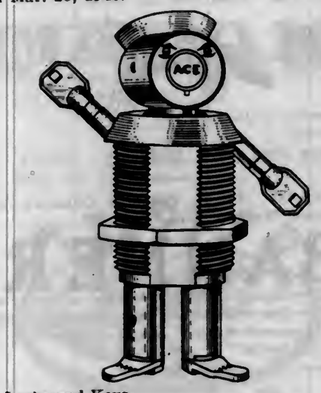
SEE LOCK
GUARDED PROTECTED

The words "Lock", "Guarded", and "Protected" are disclaimed apart from the mark.

For Tag Bearing Seals Which Are Locking Seals.

Claims use since Aug. 1, 1938.

Ser. No. 429,934. CHICAGO LOCK COMPANY, Chicago, Ill. Filed Mar. 25, 1940.



For Locks and Keys.

Claims use since Feb. 1, 1940.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 424,022. N. P. BENSON OPTICAL CO., INC., Minneapolis, Minn., assignor to Cosmet Corporation, Minneapolis, Minn., a corporation of Minnesota. Filed Sept. 29, 1939.

COSMET

For Eyeglass Lenses and Eyeglass Edge Finishes.

Claims use since Sept. 16, 1939.

CLASS 27

Horological Instruments

Ser. No. 428,552. HAMILTON WATCH COMPANY, Lancaster, Pa. Filed Feb. 14, 1940.

MAINLINER

For Watches and Watch Parts.

Claims use since July 15, 1937.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 428,572. J. A. DEKNATEL & SON., Queens Village, N. Y. Filed Feb. 15, 1940.

Deknatel
DAINTY MISS
Jewelry

No claim is made to the word "Jewelry" apart from the mark.

For Jewelry, not Including Watches, Pearls, Semi-Precious Stones, and Beads, All Made of Precious Metal or Plated Therewith.

Claims use since Feb. 7, 1940.

CLASS 31

Filters and Refrigerators

Ser. No. 429,734. A. GUSMER INC., Hoboken, N. J. Filed Mar. 19, 1940.

Blitz Blank

For Filter Mass and a Filtering Asbestos to Be Used for the Filtration of Beer.

Claims use since Mar. 14, 1940.

CLASS 32

Furniture and Upholstery

Ser. No. 428,537. CELIA BERNSTEIN, Brooklyn, N. Y. Filed Feb. 14, 1940.

NEATIES

For Drawer Compartments.

Claims use since Dec. 4, 1939.

Ser. No. 429,178. HIGHWAY FURNITURE SHOP, INC., North Plainfield, N. J. Filed Mar. 4, 1940.

HIGHWAY BUILT BY THE HANDICAPPED SHOP INC.

For Household Furniture, Particularly Chairs, Tables, Desks, Beds, and Chests.

Claims use since Nov. 11, 1939.

Ser. No. 429,495. C. ROY TERRY, Winnetka, Ill. Filed Mar. 12, 1940.

TRAVEL-BAR

The word "Bar" is disclaimed apart from the mark.

For Fitted Cabinet for Mixing Beverages.

Claims use since Jan. 15, 1938.

Ser. No. 429,665. THE PECK, STOW & WILCOX COMPANY, Southington, Conn. Filed Mar. 16, 1940.

Shear-ISLE

For Display Stands for Vendable Merchandise.

Claims use since Dec. 21, 1939.

Ser. No. 429,752. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Mar. 19, 1940.



ROYAL FOAM

No claim is made to the word "Foam" apart from the combination shown. The figure is fanciful.

For Mattresses of Foamed Rubber and Mattress Foundations Comprising Fabric Covered Frames.

Claims use since Mar. 6, 1940.

Ser. No. 429,810. ECLIPSE SLEEP PRODUCTS, INC., Brooklyn, N. Y. Filed Mar. 21, 1940.

Magic

For Studios, Lounges, and Chairs.
Claims use since Nov. 1, 1939.

Ser. No. 430,084. LOWE PAPER COMPANY, Ridgefield, N. J. Filed Mar. 28, 1940.

Ridgelo

For Venetian Blinds.
Claims use since Dec. 7, 1939.

Ser. No. 430,085. LOWE PAPER COMPANY, Ridgefield, N. J. Filed Mar. 28, 1940.

WOODENFORCED

For Venetian Blinds.
Claims use since Dec. 7, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 428,798. THE CINCINNATI OIL WORKS CO., Cincinnati, Ohio. Filed Feb. 23, 1940.

Top Chef

For Gas Stoves.
Claims use since Feb. 21, 1940.

Ser. No. 429,581. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Mar. 14, 1940.

MOBILAIRE

For Air Conditioners.
Claims use since April, 1935.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 420,557. WILKENING MANUFACTURING COMPANY, Philadelphia, Pa. Filed June 15, 1939.

POWER PAK

For Piston Rings and Piston Ring Expanders.
Claims use since October, 1938.

Ser. No. 428,839. TEXAS BELTING & SUPPLY COMPANY, Houston, Tex. Filed Feb. 23, 1940.

RED  FOX

The drawing is lined for red.
For Belting.
Claims use since Jan. 1, 1925.

Ser. No. 429,764. CROWN PRODUCTS COMPANY, Ralston, Nebr. Filed Mar. 20, 1940.

BANNER

For Vehicle Tires Constructed Wholly or Partly of Rubber and Inner Tubes Therefor; Rubber and/or Rubber and Fabric Belting and Rubber and/or Rubber and Fabric Tubing of All Kinds.
Claims use since Aug. 1, 1929.

Ser. No. 429,855. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Mar. 22, 1940.

F.T.

For Brake Lining and Brake Lining Sets.
Claims use since Feb. 29, 1940.

CLASS 37

Paper and Stationery

Ser. No. 407,716. CROWN ZELLERBACH CORPORATION, doing business as Crown Willamette Paper Company, San Francisco, Calif. Filed June 21, 1938.

CRESTEX

For Tissue Paper.
Claims use since Jan. 1, 1932.

Ser. No. 420,750. COVERTEX COMPANY, Perth Amboy, N. J. Filed June 21, 1939.

Beutex

For Wall Paper.
Claims use since May 1, 1936.

Ser. No. 428,147. BURROWS PAPER CORPORATION, Little Falls, N. Y. Filed Feb. 2, 1940.

BURLINE

For Tissue Paper, Ream Paper, Toilet Tissue, Facial Tissue, Paper Hospital Pads, Table Cover Paper, Wrapping Paper, and Paper Napkins (Table and Sanitary).
Claims use since Aug. 27, 1937.

Ser. No. 428,195. NASHUA GUMMED AND COATED PAPER COMPANY, Nashua, N. H. Filed Feb. 3, 1940.

TAPAK

For Gummed Paper Tape in Bundles or Containers.
Claims use since May, 1926.

Ser. No. 428,736. THE SORG PAPER CO., Middletown, Ohio. Filed Feb. 20, 1940.

TESTED SORG PAPERS BY TIME

The words "Tested by Time" and "Papers" are disclaimed apart from the mark.
For Waxing Paper, Bristol Board, Tag Board, and Offset Printing Paper.
Claims use since Jan. 17, 1940.

Ser. No. 428,866. EUGENE DIETZGEN CO., Chicago, Ill. Filed Feb. 24, 1940.

PREMIER

For Drafting Material and Supplies for the Production of Drawings—Namely, Drawing and Tracing Paper, and Prepared Fabric for Tracing and Drafting Purposes.
Claims use since May 1, 1930.

Ser. No. 429,186. MCLAURIN-JONES CO., Brookfield, Mass. Filed Mar. 4, 1940.

CELLCAL

For Decalcomania Papers.
Claims use since Feb. 15, 1940.

Ser. No. 429,386. GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Mar. 9, 1940.

STREAMLINED

For "Mimeograph" Bond Paper.
Claims use since June 29, 1938.

Ser. No. 429,402. FULTON BAG AND COTTON MILLS, Atlanta, Ga. Filed Mar. 9, 1940.

DIASTRETCH

For Crinkled or Crepe Paper.
Claims use since Oct. 1, 1939.

CLASS 38

Prints and Publications

Ser. No. 415,611. SCHOLASTIC CORPORATION, Pittsburgh, Pa. Filed Feb. 4, 1939.

BIB and TUCK

For Feature Page or Column of a Weekly Periodical.
Claims use since Sept. 17, 1938.

Ser. No. 423,088. LEANNA FIELD DRIFTMIER, Shenandoah, Iowa. Filed Aug. 29, 1939.

Kitchen-Klatter

For Periodical Publication.
Claims use since April, 1927.

Ser. No. 426,781. NOVELTY PRESS INC., New York, N. Y. Filed Dec. 20, 1939.

TARGET COMICS

For Publication Issued Monthly and Consisting of Four Cover Pages and a Relatively Small Number of Inside Pages of Editorial Matter Plus a Relatively Large Number of Inside Pages of Cartoons.
Claims use since Dec. 8, 1939.

Ser. No. 427,686. THE TOPICS PUBLISHING COMPANY, INC., New York, N. Y. Filed Jan. 20, 1940.

TASTE

The Secret Of Fountain Success

For Magazine Section.
Claims use since Jan. 8, 1940.

Ser. No. 428,238. LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed Feb. 5, 1940.

Kitchen Chatter

For Periodical.
Claims use since March, 1934.

Ser. No. 428,276. AIR YOUTH OF AMERICA, INC., New York, N. Y. Filed Feb. 6, 1940.

AIR YOUTH HORIZONS

PUBLISHED BY AIR YOUTH OF AMERICA, INCORPORATED

For Periodical Publication.
Claims use since Jan. 1, 1940.

Ser. No. 428,734. PAPER NOVELTY MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Feb. 20, 1940.

PANOCO

For Greeting Cards and Valentines.
Claims use since Dec. 28, 1927.

Ser. No. 428,766. RIMINGTON PUBLISHING CO., INC., New York, N. Y. Filed Feb. 21, 1940.

The Yachtsman's Digest

For Periodical.
Claims use since July 15, 1939.

Ser. No. 428,783. JOHN JAY WILCOX, doing business as The International Tracers Publishing Company, New York, N. Y. Filed Feb. 21, 1940.

SEARCHER

For Magazine.
Claims use since Dec. 1, 1939.

Ser. No. 428,814. M. L. J. MAGAZINES, INC., New York, N. Y. Filed Feb. 23, 1940.

THE WIZARD
THE MAN WITH THE SUPER-BRAIN

For Comic Strip, Published Monthly as a Magazine Section.
Claims use since Oct. 25, 1939.

Ser. No. 428,994. M. L. J. MAGAZINES, INC., New York, N. Y. Filed Feb. 28, 1940.

STEEL STERLING

MAN OF STEEL

For Comic Strip, Published Monthly as a Magazine Section.
Claims use since Dec. 10, 1939.

Ser. No. 429,062. MECHANIZATION, INC., Washington, D. C. Filed Feb. 29, 1940.

MECH
ANNUAL

For Periodical Publication.
Claims use since Jan. 9, 1940.

Ser. No. 429,089. BOSTON TRANSCRIPT, INC., Boston, Mass. Filed Mar. 1, 1940.

RADIOSCOPE

For Newspaper Section or Supplement.
Claims use since Feb. 17, 1940.

Ser. No. 429,114. JOHN J. ALVES, doing business as Alves Photo Finishing Service, Braintree, Mass. Filed Mar. 2, 1940.

MAIL-N-SAVE

For Photographic Prints.
Claims use since Feb. 16, 1940.

Ser. No. 429,228. NATIONAL COAL ASSOCIATION, Washington, D. C. Filed Mar. 5, 1940.

NATIONAL COAL ASSOCIATION

For House Organ, Also for Booklets or Pamphlets Issued from Time to Time.
Claims use since April, 1931.

CLASS 39

Clothing

Ser. No. 420,245. DAUPHIN SHOE COMPANY, Harrisburg, Pa. Filed June 7, 1939.

TINY TITAN
CHUB EEE

Applicant disclaims the symbol "EEE" except in relation and association with the mark as shown.
For Infants' and Children's Leather Shoes.
Claims use since November, 1938.

Ser. No. 426,366. GEORGE MARQUETTE, Louisville, Ky. Filed Dec. 8, 1939.

INFANTS HOSE
CRADLE DAYS
"A BEAUTIFUL NUMBER"

Applicant makes no claim to the words "Infants Hose" and "A Beautiful Number" apart from the mark. The drawing is lined for blue.
For Hosiery for Men, Women, Children, and Infant Children.
Claims use since Mar. 10, 1937.

Ser. No. 427,472. THE MORTEN DAVIS COMPANY, Dallas, Tex. Filed Jan. 15, 1940.

DON-A-TOG
Leisure Apparel

No claim is made for the words "Tog" and "Leisure Apparel."
For Slacks, Slack Suits, Play Suits, and Sport Dresses for Women, Misses, and Girls.
Claims use since Dec. 1, 1938.

Ser. No. 428,729. LANSBURGH & BRO., Washington, D. C. Filed Feb. 20, 1940.

Lansbrook

For Men's and Boys' Shoes for the Most Part Composed of Leather, Hats, and Outer Shirts.
Claims use since May 15, 1935.

Ser. No. 428,833. SIEGEL BROTHERS KIKI MAID KOATS, INC., New York, N. Y. Filed Feb. 23, 1940.

SUNSET
Tweed
EXCLUSIVE

Applicant disclaims the words "Tweed" and "Exclusive" apart from the mark.
For Women's and Misses' Coats.
Claims use since June, 1937.

Ser. No. 428,953. CRADDOCK-TERRY SHOE CORPORATION, Lynchburg, Va. Filed Feb. 27, 1940.

Natural
Bridge

For Shoes Made of Rubber, Leather, Fabric, or Combinations of Such Materials.
Claims use since Feb. 9, 1923.

Ser. No. 429,010. BELK STORES, Charlotte, N. C. Filed Feb. 28, 1940.

Archdale

For Men's and Boys' Dress Shirts.
Claims use since Feb. 1, 1940.

Ser. No. 429,067. PHOENIX MFG. CO., Elizabeth, N. J Filed Feb. 29, 1940.

Sentinel
Sportswear of Merit

No claim is made to the notation "Sportswear of Merit" apart from the mark.
For Leather and Cloth Sport Coats and Sport Jackets for Men and Women.
Claims use since Feb. 14, 1940.

Ser. No. 429,087. EDWARD H. BERKOVITS, Philadelphia, Pa. Filed Mar. 1, 1940.

SPRUCE CRAVATS

No claim is made to the pictorial representation of the cravat and the word "Cravats" except as shown.
For Cravats.
Claims use since Dec. 15, 1939.

Ser. No. 429,268. LEIGHTON HATS INC., New York, N. Y. Filed Mar. 6, 1940.

SWIRLO

For Ladies' Hats.
Claims use since June 30, 1939.

Ser. No. 429,272. POIRETTE CORSETS, INC., New York, N. Y. Filed Mar. 6, 1940.

Macette

For Corsets and Girdles.
Claims use since Feb. 14, 1940.

Ser. No. 429,365. LOOMTOGS, INC., New York, N. Y. Filed Mar. 8, 1940.

SHUFFLE MATES

For Women's and Misses' Slacks, Skirts, Shirts, Jackets, Shorts, and Pinafores Made of a Spun Rayon Fabric.
Claims use since Aug. 15, 1939.

Ser No. 429,380. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Mar. 8, 1940.

USKIDE

For Heels and Lifts Made of Rubber and Fiber.
Claims use since Aug. 14, 1939.

Ser. No. 429,381. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Mar. 8, 1940.

Synthal

For Raincoats.
Claims use since Feb. 29, 1940.

Ser. No. 429,382. VARIETY FROCKS, INC., New York, N. Y. Filed March 8, 1940.



For Maternity Dresses.
Claims use since November, 1938.

Ser. No. 429,448. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Mar. 11, 1940.

CUE

For Outer Shirts.
Claims use since Jan. 10, 1940.

Ser. No. 429,450. MASSACHUSETTS KNITTING MILLS, Boston, Jamaica Plain, Mass. Filed Mar. 11, 1940.

Glamourette

For Women's and Girls' Hosiery.
Claims use since November 14, 1938.

Ser. No. 429,473. DURLACHER & COMPANY, INC., New York, N. Y. Filed Mar. 12, 1940.

Durlyne

For Sportswear—Namely, Scarfs, Mufflers, Reefers, Handkerchiefs, Neckties, Sashes, Halters, and Collars.
Claims use since Dec. 15, 1939.

Ser. No. 429,478. INTERNATIONAL LATEX CORPORATION, Dover and Play-tex Park, Dover, Del. Filed Mar. 12, 1940.



No claim is made to the representation of the goods apart from the mark.
For Girdles.
Claims use since Feb. 28, 1940.

Ser. No. 429,479. INTERNATIONAL LATEX CORPORATION, Dover and Play-tex Park, Dover, Del. Filed Mar. 12, 1940.

Live and play this Playtex way!

For Girdles.
Claims use since Feb. 28, 1940.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 417,597. SOL WESTHEIMER, doing business as Sol Westheimer Co., New York, N. Y. Filed Mar. 28, 1939.

Top Hat

For Millinery Trimmings of Netted Material, Finished Veils, and Veilings in the Piece.
Claims use since Feb. 15, 1939.

Ser. No. 428,742. JAMES J. AXELROD, doing business as Airedale Worsted Mills, Boston, Mass. Filed Feb. 21, 1940.

Twillardine

For Textile Fabrics of Cotton, Wool, or Combinations of Cotton and Wool, in the Piece and in Cut Lengths.
Claims use since Oct. 16, 1939.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 416,637. ANDERSON CHEMICALS, INC., Nyack, N. Y. Filed Mar. 3, 1939.

MEDIC

For Vaginal Diaphragms.
Claims use since Dec. 8, 1938.

Ser. No. 429,153. ZONITE PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 2, 1940.

ZONI

For Vaginal Diaphragms.
Claims use since Feb. 1, 1940.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 425,828. A. BOAKE, ROBERTS & COMPANY, LIMITED, London, England. Filed Nov. 20, 1939.

ABRAC

For Fruit Extracts, Essential Oils, Essences, Flavorings, and Colourings for Use in the Manufacture of Non-Alcoholic Beverages.
Claims use since Dec. 16, 1903.

Ser. No. 427,927. ANTHONY DI CROCE, doing business as Rising Sun Bottling Works, Philadelphia, Pa. Filed Jan. 27, 1940.

Birchee's

For Non-Alcoholic, Non-Cereal, Maltless Beverage, Sold as a Birch Beer Soft Drink and Sirup and Extract for Making the Same.
Claims use since May 1, 1938.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 399,760. GRAY & COMPANY, Portland, Oreg. Filed Nov. 15, 1937.



The word "Brand" is disclaimed. The drawing is lined for green, black, and gold.
For Cocktail Cherries—Namely, Prepared Cherries for Cocktails; Fruit Mix—Namely, a Mixture of Prepared Fruit for Use in Making Cake, Cookies, or Other Foods; Caramel Sundae Topping, Strawberry Sundae Topping, Pineapple Sundae Topping, Chocolate Sundae Topping; Fruit Stollen Mix—Namely, a Mixture of Prepared Fruit for Use in Making Cake, Cookies or Other Foods; Baking Powder; Do-Nut Mix—Namely, a Mixture for Making Doughnuts; Cake Topping, Maple Icing Compound, Whipping Powder for Meringue on Soft Pies, Glace Pineapple Slices; Candied Lemon Peel Halves, Candied Citron Peel Halves, Whole Glace Red Cherries, Candied Orange Peel Halves; Pennant White—Namely, an Egg White Substitute; Marshmallow Powder, Pudding Powder; Cream Whip—Namely, an Alkalizer to Make Cream Whipping Easier; Pie Thickener; Yeast Raised Do-Nut Mix—Namely, a Prepared Flour for Manufacturing Doughnuts; Prepared Emulsion for Flavoring Sweet Dough, Prepared Emulsion for Flavoring Rye Bread; Food Flavoring Emulsions—Namely, Lime, Lemon and Orange; Peppermint Candy Concentrate for Flavoring Ice Cream, Fruit Frosting for Cakes, Gelatin Dessert Powder, Prepared Strawberries for Use in Ice Cream; Ice Cream Salad—Namely, Crushed Fruit and Colors for Ice Cream; Rainbow Salad—Namely, Crushed Fruit for Ice Cream; Pineapple Bits (Canned, Bottled and in Bulk), Cherry Salad; Hawaiian Salad—Namely, Fruits for Ice Cream; Tutti Frutti Salad—Namely, Fruits for Ice Cream; Nu-Dutch Syrup—Namely, Chocolate Flavored Sugar Syrup for Food Purposes; Center-Creme—Namely, a Marshmallow Preparation; Crushed Strawberries, Crushed Pineapple, Mincemeat, Raspberry and Apple Pectin Jelly, Jams, Marshmallow Sundae, Pure Orange Marmalade; Fruit Cubes—Namely, Processed Melon Rind; Crushed Apricots, Crushed Raspberries, Crushed Peaches, Crushed Cherries; Coffee Cake Fruit Mix—Namely, a Mixture of Prepared Fruits for Use in Making Coffee Cake; Light Bun Fruit Mix—Namely, a Mixture of Prepared Fruits for Use in Making Buns; Sherbet Powder, Ice Cream Powder; Icing Improver—Namely, a Preparation for Enriching and Improving Icings; Ice Cream Caramel—Namely, Caramel Flavoring for Ice Cream; Ice Cream Butterscotch—Namely, Butterscotch Flavoring for Ice Cream.
Claims use since Nov. 1, 1927.

Ser. No. 403,041. GUMAKERS OF AMERICA, INC., Clifton Heights, Pa. Filed Feb. 15, 1938.

BUBBLO

For Chewing Gum.
Claims use since Feb. 8, 1938.

Ser. No. 411,602. GOLDEN GATE MACARONI COMPANY, INC., San Francisco, Calif. Filed Oct. 14, 1938.



Applicant is the owner of trade-mark registration No. 211,397.
For Macaroni and Macaroni Products.
Claims use since Nov. 5, 1937.

Ser. No. 413,111. ALBERT N. CORY, INC., New York, N. Y. Filed Nov. 25, 1938.



All wording except "Achilles" and the representation of the label are disclaimed apart from the mark.
For Olive Oil.
Claims use since August, 1936.

Ser. No. 417,712. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Mar. 31, 1939.

CM

For Poultry and Stock Feed, Including Dairy Feed.
Claims use since Mar. 2, 1939.

Ser. No. 420,447. CARNATION COMPANY, Wilmington, Del., Milwaukee and Oconomowoc, Wis., and Seattle, Wash. Filed June 13, 1939.

CHO-CHO

For Malted Milk Powder and Ice Cream Mix in Powder Form.
Claims use since Feb. 18, 1921.

Ser. No. 422,509. J. T. GIBBONS, INC., New Orleans, La. Filed Aug. 11, 1939.



For Poultry Feed.
Claims use since May 1, 1939.

Ser. No. 423,331. DERMETICS, INC., Seattle, Wash. Filed Sept. 6, 1939.

Liftl

For Concentrated Vegetable Powder for Use as an Admixture to Other Foods and for Use as a Base From Which a Tea or Broth is Brewed.
Claims use since Dec. 3, 1938.

Ser. No. 423,816. HORACE LETT, San Angelo, Tex. Filed Sept. 21, 1939.

BINGO-BURGER

For Sandwiches.
Claims use since July 1, 1939.

Ser. No. 426,020. ROBERT J. CALDWELL, doing business as Slim Sally Products Co., New York, N. Y. Filed Nov. 28, 1939.

SLIM SALLY

For Dressing for Use on Salads.
Claims use since July, 1938.

Ser. No. 428,434. HIGHLAND FRUIT GROWERS ASSOCIATION, Highland, Calif. Filed Feb. 10, 1940.

HIGHLAND MAID

For Fresh Citrus Fruit.
Claims use since Jan. 10, 1940.

Ser. No. 428,741. MELLO ICE CREAM CO., INC., Cleveland, Ohio. Filed Feb. 19, 1940.



Applicant disclaims the words "A Pint for a Dime", "It's Triple Tested", "3421 W. 117th St., Cleveland, Ohio."
For Ice Cream (in Bulk and in Bricks).
Claims use since Sept. 1, 1938.

Ser. No. 428,786. SKY-HI FRUIT PRESERVES CORPORATION, Brooklyn, N. Y. Filed Feb. 21, 1940.

Golden Pail Brand

The word "Brand" and the exclusive right to the use of pails colored golden are disclaimed.
For Fruit Preserves.
Claims use since Feb. 6, 1940.

Ser. No. 428,932. J. D. AND A. B. SPRECKELS COMPANY, doing business as General Sugar Products Co., San Francisco, Calif. Filed Feb. 26, 1940.

PREF

For Dry Fondant Made from Cane Sugar.
Claims use since Aug. 21, 1939.

Ser. No. 429,148. WASON BROS. COMPANY, INC., Seattle, Wash. Filed Mar. 2, 1940.

SUGAR HOUSE

For Sugar and Maple Syrup.
Claims use since Oct. 19, 1939.

Ser. No. 429,280. SUNRISE CANDY, Newark and Montclair, N. J. Filed Mar. 6, 1940.

Satinets

For Candy, Particularly Peanut Butter Candy.
Claims use since Nov. 7, 1939.

Ser. No. 429,333. JAY BURNS, doing business as The Bryo Co., Chicago, Ill. Filed Mar. 7, 1940.

BRYO

For Bread Improver Composed of Wheat Germ, Sugar, and Mineral Salts.
Claims use since Feb. 26, 1940.

Ser. No. 429,347. THE EMPIRE STATE CANNING CO., Oneida, N. Y. Filed Mar. 8, 1940.



The drawing is lined for four shades of the color red.
For Canned Vegetables.
Claims use since 1920.

Ser. No. 429,454. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Mar. 11, 1940.

Ryemont

For Rye Flour.
Claims use since Feb. 16, 1940.

Ser. No. 429,501. AL WILSON, Los Angeles, Calif. Filed Mar. 12, 1940.

Cal-Vita

For Fresh Avocados and Fresh Dates.
Claims use since January, 1939.

Ser. No. 429,509. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Mar. 13, 1940.

Sunnyfield

Applicant is the owner of the following registrations: No. 159,362 registered Sept. 26, 1922; No. 182,131 registered Apr. 1, 1924; No. 185,150 registered June 10, 1924; No. 266,268 registered Jan. 14, 1930; No. 283,006 registered May 12, 1931, and No. 315,962 registered Aug. 14, 1934.

For Cereal in the Nature of Rice Puffs and Wheat Puffs.

Claims use since Aug. 1, 1938, on wheat puffs; and since Sept. 1, 1938, on rice puffs.

Ser. No. 429,523. FRUIT GROWERS SERVICE CO., Fresno, Calif. Filed Mar. 13, 1940.

REDBANKS SUNSHINE BRAND ORCHARDS

No claim is made to the word "Brand" or to the representation of a label apart from the mark.

For Fresh Grapes.

Claims use since 1915.

Ser. No. 429,580. VALENTINE'S MEAT JUICE COMPANY, Richmond, Va. Filed Mar. 14, 1940.

BEX

For Beef Extract.

Claims use since Feb. 20, 1940.

CLASS 47

Wines

Ser. No. 427,763. SHEWAN-JONES, INC., New York, N. Y. Filed Jan. 23, 1940.

CLUB VISTA

Applicant makes no claim to the word "Club" apart from the mark.

For Wine.

Claims use since Dec. 15, 1939.

Ser. No. 427,765. SHEWAN-JONES, INC., New York, N. Y. Filed Jan. 23, 1940.

GOLDEN HORN

For Wine.

Claims use since Dec. 15, 1939.

Ser. No. 427,767. SHEWAN-JONES, INC., New York, N. Y. Filed Jan. 23, 1940.

NATIVE SON

For Wines.

Claims use since Dec. 15, 1939.

Ser. No. 427,768. SHEWAN-JONES, INC., New York, N. Y. Filed Jan. 23, 1940.

PALMO

For Wines.

Claims use since Dec. 15, 1939.

Ser. No. 427,769. SHEWAN-JONES, INC., New York, N. Y. Filed Jan. 23, 1940.

SUNSPUN

For Wines.

Claims use since Dec. 15, 1939.

CLASS 48

Malt Beverages and Liquors

Ser. No. 427,478. RAINIER BREWING COMPANY, San Francisco, Calif. Filed Jan. 15, 1940.

Rainier
"Special Export"

Applicant is owner of T. M. Reg. No. 315,574, effected under the 10-year proviso for the word "Rainier". The words "Special Export" are disclaimed apart from the mark.

For Beer.

Claims use since Feb. 12, 1935.

Ser. No. 428,759. WM. J. LEMP BREWING CO., East St. Louis, Ill. Filed Feb. 21, 1940.

Lemp
Extra Pale
BEER

The words "Extra Pale Beer" are disclaimed apart from the mark.

For Beer Sold in Bottles or Similar Containers.

Claims use since Dec. 7, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 426,918. JAMES WALSH & COMPANY, INC., Lawrenceburg, Ind. Filed Dec. 26, 1939. Under 10-year proviso.

Old
Ned White

For Whiskey.

Claims use since June 3, 1873.

Ser. No. 429,781. MANY, BLANC & CO., INC., Chicago, Ill. Filed Mar. 20, 1940.

SAMOVAR

For Vodka.

Claims use since Mar. 16, 1940.

Ser. No. 430,121. CHURCHILL DISTILLING COMPANY, Smith Switch, Ky. Filed Mar. 29, 1940.

Park View

For Whiskey.

Claims use since November, 1938.

Ser. No. 430,137. HUBERT R. LEWIS, doing business as Lewis Wholesale Liquor Company, Memphis, Tenn. Filed Mar. 29, 1940. Under 10-year proviso.

Jo
BLACKBURN

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.

Claims use since 1888.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 429,018. UNITED CO-OPERATIVES, INC., Indianapolis, Ind. Filed Feb. 28, 1940.

QUALITY
UNICO
PRODUCTS

"Quality Products" is disclaimed except as part of the mark shown.

For Feed Boxes, Water Cups, Metal Hog Feeders and Metal Hog Founts, Watering Tanks and Troughs, and Brooders.

Claims use since Nov. 15, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 7, 1940

377,398. ASPHALT ROOFING. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed January 17, 1935. Serial No. 360,332. PUBLISHED FEBRUARY 27, 1940. Class 12.

377,399. PUBLICATION ISSUED QUARTERLY COVERING KNOWLEDGE OF THE FEET. THE SCHOLL MFG. CO. INC., New York, N. Y., and Chicago, Ill.
Filed November 5, 1935. Serial No. 371,233. PUBLISHED FEBRUARY 20, 1940. Class 38.

377,400. PROPHYLACTIC AND CONTRACEPTIVE JELLY. WILLIAM SIEGEL, New York, N. Y., assignor, by mesne assignments, to Reed and Carnrick, Jersey City, N. J., a corporation of New Jersey.
Filed May 29, 1937. Serial No. 393,451. PUBLISHED NOVEMBER 15, 1938. Class 6.

377,401. LINOLEUM AND FELT-BASE FLOOR COVERINGS IN THE PIECE AND IN READY-CUT SECTIONS. QUAKER CITY LINOLEUM COMPANY, Washington, D. C.
Filed July 31, 1937. Serial No. 395,880. PUBLISHED FEBRUARY 20, 1940. Class 20.

377,402. OLIVE OIL USED FOR MEDICINAL PURPOSES. P. SASSO E FIGLI, Oneglia, Italy.
Filed September 13, 1937. Serial No. 397,383. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,403. COPPER SULPHATES, SULPHURIC ACID, MANGANESE SULPHATE, ZINC SULPHATE, ETC. TENNESSEE CORPORATION, New York, N. Y.
Filed November 9, 1937. Serial No. 399,638. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,404. MEN'S AND BOYS' SUITS AND TOPCOATS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed December 13, 1937. Serial No. 400,773. PUBLISHED JANUARY 24, 1939. Class 39.

377,405. GRANULAR, THERMAL INSULATING MATERIALS. WILLIAM ARTHUR COOK, Chicago, Ill.
Filed January 11, 1938. Serial No. 401,769. PUBLISHED JANUARY 30, 1940. Class 12.

377,406. CHEESE. CHARLES WILSON-SEARS, London, England.
Filed February 8, 1938. Serial No. 402,834. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,407. SAL SODA AND WASHING SODA FOR USE AS A DETERGENT, CLEANING, AND WASHING AGENT. CHURCH & DWIGHT CO. INC., New York, N. Y.
Filed September 16, 1938. Serial No. 410,637. PUBLISHED FEBRUARY 27, 1940. Class 4.

377,408. SAL SODA AND WASHING SODA FOR USE AS A DETERGENT, CLEANING, AND WASHING AGENT. CHURCH & DWIGHT CO. INC., New York, N. Y.
Filed September 16, 1938. Serial No. 410,638. PUBLISHED FEBRUARY 27, 1940. Class 4.

377,409. SAL SODA AND WASHING SODA FOR USE AS A DETERGENT, CLEANING, AND WASHING AGENT. CHURCH & DWIGHT CO. INC., New York, N. Y.
Filed September 16, 1938. Serial No. 410,639. PUBLISHED FEBRUARY 27, 1940. Class 4.

377,410. SAL SODA AND WASHING SODA FOR USE AS A DETERGENT, CLEANING, AND WASHING AGENT. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed September 16, 1938. Serial No. 410,640. PUBLISHED FEBRUARY 27, 1940. Class 4.

377,411. RESINS, PARTICULARLY SYNTHETIC RESINS AND PROCESSED NATURAL RESINS, AND RESIN SOLUTIONS, PARTICULARLY PLASTIC RESIN SOLUTIONS. REICHHOLD CHEMICALS INC., formerly Beck, Koller & Company, Inc., Detroit and Ferndale Station, Detroit, Mich.
Filed October 1, 1938. Serial No. 411,180. PUBLISHED FEBRUARY 27, 1940. Class 1.

377,412. HIGH COMPRESSION GASOLINE. DRYER, CLARK & DRYER OIL COMPANY, Oklahoma City, Okla.
Filed October 17, 1938. Serial No. 411,681. PUBLISHED FEBRUARY 13, 1940. Class 15.

377,413. DIATOMACEOUS EARTH FOR FILTERING PURPOSES. HONAN-CRANE, INC., Lebanon, Ind.
Filed October 17, 1938. Serial No. 411,693. PUBLISHED MARCH 28, 1939. Class 31.

377,414. HOSIERY. ALFRED ROSS, New York, N. Y.
Filed November 17, 1938. Serial No. 412,873. PUBLISHED NOVEMBER 28, 1939. Class 39.

377,415. POTATO CHIPS, PEANUT BUTTER SANDWICHES, AND SALTED PEANUTS. JAKE C. DRENNON, doing business as Drennon Food Products Company, Atlanta, Ga.
Filed November 30, 1938. Serial No. 413,300. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,416. CHOPPED AND PREPARED CHOPPED MEAT, PARTICULARLY AS A SANDWICH FILLER. HARRY M. AUERBACH, New York, N. Y.
Filed February 21, 1939. Serial No. 416,281. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,417. COSMETICS, PARTICULARLY CLEANSING CREAM, FOUNDATION CREAM, ASTRINGENT LOTION, LIPSTICK. DAVID H. KAHN, New York, N. Y.
Filed February 25, 1939. Serial No. 416,424. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,418. FOODS AND INGREDIENTS OF FOODS—NAMELY, PICKLES—NAMELY, DILL PICKLES, KOSHER DILL PICKLES, SOUR PICKLES, ETC. MANHATTAN PICKLE COMPANY, Chicago, Ill.
Filed March 22, 1939. Serial No. 417,380. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,419. EAR DROPS. DALAR MEDICAL LABORATORIES, INC., New York, N. Y.
Filed March 30, 1939. Serial No. 417,645. PUBLISHED JUNE 13, 1939. Class 6.

377,420. SOLDERING FLUX. FRANK D. MCBRIDE, doing business as American Solder & Flux Co., Philadelphia, Pa.
Filed April 12, 1939. Serial No. 418,161. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,421. MEDICINAL PREPARATION, THE ACTIVE INGREDIENT OF WHICH IS AN EXTRACT DERIVED FROM ANIMAL TISSUES, WHICH STIMULATES THE RETICULO-ENDOTHELIAL SYSTEM. CHARLES E. FROSST & CO., Montreal, Quebec, Canada.
Filed April 13, 1939. Serial No. 418,229. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,422. LEAD AND LEAD ALLOYS, PARTICULARLY SOLDER AND BEARING METALS. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,732. PUBLISHED FEBRUARY 27, 1940. Class 14.

377,423. MATTRESSES, COTS, STUDIO COUCHES, AND PADS. A. BRANDWEIN & COMPANY, Chicago, Ill.
Filed May 20, 1939. Serial No. 419,608. PUBLISHED FEBRUARY 27, 1940. Class 32.

377,424. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, ETC. SHULTON, INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,880. PUBLISHED FEBRUARY 27, 1940. Class 4.

377,425. RANCH PANTS, RIDING BREECHES, AND JODHPURS FOR MEN, WOMEN, AND CHILDREN. I. C. ISAACS & COMPANY INC., Baltimore, Md.
Filed May 31, 1939. Serial No. 420,006. PUBLISHED JULY 25, 1939. Class 39.

377,426. TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, RAYON FABRICS, FABRICS CONSISTING OF A MIXTURE OF RAYON AND SILK, AND COTTON, WOOLEN, OR LINEN FABRICS. NATIONAL FABRICS CORPORATION, New York, N. Y.
Filed June 6, 1939. Serial No. 420,234. PUBLISHED FEBRUARY 20, 1940. Class 42.

377,427. DYESTUFFS. PHOENIX COLOR & CHEMICAL CO., Paterson, N. J.
Filed June 15, 1939. Serial No. 420,541. PUBLISHED SEPTEMBER 5, 1939. Class 6.

377,428. PREPARATIONS OR COMPOUNDS AND SOLUTIONS FOR MENDING AND REPAIRING MOTORS AND MOTOR PARTS, CYLINDER HEADS, VALVE PORTS, WATER JACKETS, AND OTHER METAL DEVICES. HOBB SWETNAM COMPANY, Wichita Falls, Tex.
Filed June 17, 1939. Serial No. 420,648. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,429. RADIATOR FLUSHING COMPOUND, RADIATOR FLUSH NEUTRALIZER, ANTI-LEAK COMPOUND FOR RADIATORS, ANTI-LEAK COMPOUND FOR ENGINE CYLINDER BLOCKS AND THE LIKE, AND HYDRAULIC BRAKE FLUID. HOBB SWETNAM COMPANY, Wichita Falls, Tex.
Filed June 17, 1939. Serial No. 420,650. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,430. PENETRATING LUBRICATING OIL FOR USE IN MOTORS, CYLINDERS, AND MACHINERY FOR THE PURPOSE OF LUBRICATION, REDUCTION, AND REMOVAL OF CARBON, GUMS, AND THE LIKE, INCREASING EFFICIENCY AND PROLONGING THE LIFE OF MOTORS AND CYLINDERS. HOBB SWETNAM COMPANY, Wichita Falls, Tex.
Filed June 17, 1939. Serial No. 420,651. PUBLISHED FEBRUARY 13, 1940. Class 15.

377,431. PREPARATIONS, COMPOUNDS, OR SOLUTIONS FOR THE PURPOSE OF MENDING OR REPAIRING MOTORS AND MOTOR PARTS, RADIATORS, AND CYLINDERS. HOBB SWETNAM COMPANY, Wichita Falls, Tex.
Filed June 17, 1939. Serial No. 420,652. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,432. VITAMINIC FOOD FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS. CHAPPEL BROS., INC., Rockford, Ill.
Filed June 19, 1939. Serial No. 420,666. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,433. TEA. THE SILEX COMPANY, Hartford, Conn.
Filed June 22, 1939. Serial No. 420,831. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,434. CHEMICAL COMPOUNDS WHICH ARE PHENOLIC TERTIARY AMINES USEFUL AS CORROSION INHIBITORS IN OIL SYSTEMS, AS FUNGICIDES AND GERMICIDES IN AQUEOUS SYSTEMS, AND AS INTERMEDIATES IN THE PREPARATION OF VARIOUS OTHER CHEMICAL COMPOUNDS. RÖHM & HAAS COMPANY, Philadelphia, Pa.
Filed June 28, 1939. Serial No. 421,052. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,435. OIL METERING PLUGS AND SIMILAR METERING DEVICES MADE FROM METAL POWDERS. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed June 30, 1939. Serial No. 421,138. PUBLISHED FEBRUARY 27, 1940. Class 26.

377,436. INSULATING BRICKS, PARTITION BLOCKS, SLABS, FLOOR BLOCKS, AND LOOSE MATERIAL PRODUCED FROM CALCINED DIATOMACEOUS EARTH. AKTIESELSKABET SKARREHAGE MOLERVAERK, Nykobing Mors, Denmark.
Filed July 1, 1939. Serial No. 421,173. PUBLISHED FEBRUARY 6, 1940. Class 12.

377,437. MAGNESITE. SAPROCHI S. A., Geneva, Switzerland.
Filed July 7, 1939. Serial No. 421,354. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,438. ONIONS. THOMAS TORNATORE, Canastota, N. Y.
Filed July 7, 1939. Serial No. 421,359. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,439. MALTLESS, NONALCOHOLIC SOFT DRINKS AND THE SYRUPS AND EXTRACTS FOR MAKING THE SAME. GEORGE B. EDMUNDS, doing business as The Dixie-Rush Company, Decatur, Ga.
Filed July 10, 1939. Serial No. 421,423. PUBLISHED FEBRUARY 27, 1940. Class 45.

377,440. MAGAZINE. MACFADDEN PUBLICATIONS, INC., New York, N. Y.
Filed July 13, 1939. Serial No. 421,520. PUBLISHED FEBRUARY 13, 1940. Class 38.

377,441. LUBRICANT IN POWDERED FORM. WILLIAM ROSENBERG, Chicago, Ill.
Filed July 14, 1939. Serial No. 421,583. PUBLISHED FEBRUARY 13, 1940. Class 15.

377,442. SPECIALLY PREPARED FORMULA FOR USE IN RESTORING THE NATURAL FINISH TO LIMESTONE, GRANITE, ETC. ETCHALL, INC., New York, N. Y.
Filed July 18, 1939. Serial No. 421,699. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,443. ICE CREAM AND FROZEN DESSERTS. HARRY SIMBERG, Mattapan, Mass.
Filed July 18, 1939. Serial No. 421,717. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,444. WOODEN HANDLES FOR AXES, HATCHETS, AND SIMILAR IMPLEMENTS. TURNER, DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky.
Filed July 20, 1939. Serial No. 421,789. PUBLISHED FEBRUARY 27, 1940. Class 23.

377,445. TOAST SQUARES. MARGARET F. RUDKIN, Fairfield, Conn.
Filed July 26, 1939. Serial No. 421,982. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,446. LADIES', MEN'S, AND CHILDREN'S GARMENTS—NAMELY, LADIES' AND CHILDREN'S DRESSES, COATS, BATHING SUITS, SLACK SUITS, SHIRTS, UNDERWEAR, AND SWEATERS; MEN'S AND BOYS' SHIRTS, UNDERWEAR, BATHING SUITS, SLACKS, AND SWEATERS. MODERN MADE SPORTSWEAR, INC., Los Angeles, Calif.
Filed July 27, 1939. Serial No. 422,010. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,447. INSTRUMENTS AND PARTS THEREOF USED IN TIMING WATCHES, CLOCKS, AND SIMILAR DEVICES HAVING PERIODIC MOTION. THOMAS B. GIBBS & CO., Chicago, Ill.
Filed July 29, 1939. Serial No. 422,110. PUBLISHED FEBRUARY 27, 1940. Class 26.

377,448. PHONOGRAPH RECORDS. UNITED STATES RECORD CORPORATION, New York, N. Y.
Filed August 2, 1939. Serial No. 422,224. PUBLISHED FEBRUARY 27, 1940. Class 36.

377,449. HOSIERY. KNIT PRODUCTS CORPORATION, Belmont, N. C.
Filed August 12, 1939. Serial No. 422,549. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,450. CANNED SARDINES. VICTOR M. CALDERON CO. INC., New York, N. Y.
Filed August 14, 1939. Serial No. 422,587. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,451. FRESH EGGS. ALFRED FLEISCHL & SONS, New York, N. Y.
Filed August 16, 1939. Serial No. 422,667. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,452. COSMETICS—NAMELY, LOTIONS, SKIN TONIC, ROUGE, LIPSTICK, FACE POWDER, POWDER BASE, PERFUMES, CLEANSING CREAM, COLD CREAM, NIGHT CREAM, AND HAND CREAM. HOUSE OF HOLLYWOOD, Los Angeles, Calif.
Filed August 22, 1939. Serial No. 422,855. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,453. MEN'S ROBES. ROYAL ROBES, INC., New York, N. Y.
Filed August 22, 1939. Serial No. 422,867. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,454. SNOW PLOWS AND PLOWS FOR REMOVING SNOW FROM THE SIDE OF THE ROAD. ROTO WING COMPANY, Minneapolis, Minn.
Filed August 23, 1939. Serial No. 422,911. PUBLISHED FEBRUARY 27, 1940. Class 23.

377,455. MARSHMALLOW CRÈME. LEONARD S. STOLOFF, Boston, Mass.
Filed August 23, 1939. Serial No. 422,916. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,456. COMPOUNDS FOR CLEANING AUTOMOBILE BODIES AND SIMILAR ARTICLES. CHARLES M. ALBION, doing business as Albion & Sons, Cambridge, Mass.
Filed August 24, 1939. Serial No. 422,921. PUBLISHED FEBRUARY 27, 1940. Class 4.

377,457. CHARCOAL AND ACTIVATED CARBON FOR GENERAL USE IN THE CHEMICAL ARTS. CLIFFS DOW CHEMICAL COMPANY, Marquette, Mich.
Filed August 24, 1939. Serial No. 422,925. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,458. VEHICLE AXLESHAFTS, DRIVE SHAFTS, FLYWHEEL GEARS, RING GEARS AND PINIONS, TRANSMISSION GEARS, DIFFERENTIAL GEARS, ETC. LEMPCO PRODUCTS, INC., Bedford, Ohio.
Filed August 24, 1939. Serial No. 422,937. PUBLISHED FEBRUARY 27, 1940. Class 23.

377,459. BIOLOGICALS, BIOLOGICAL MATERIALS AND PREPARATIONS, CULTURE MEDIA, INHIBITERS FOR BACTERIA AND CULTURES, ETC. BALTIMORE BIOLOGICAL LABORATORY, Baltimore, Md.
Filed August 28, 1939. Serial No. 423,056. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,460. BIOLOGICALS, BIOLOGICAL MATERIALS AND PREPARATIONS, CULTURE MEDIA, INHIBITERS FOR BACTERIA AND CULTURES, ETC. BALTIMORE BIOLOGICAL LABORATORY, Baltimore, Md.
Filed August 28, 1939. Serial No. 423,067. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,461. PREPARATIONS USED IN THE TREATMENT OF METABOLIC DEFICIENCIES, INCLUDING PREPARATIONS CONTAINING IRON AND VITAMINS EITHER SEPARATELY OR JOINTLY AND FOR TONICS, FOR INTERNAL USE. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed August 29, 1939. Serial No. 423,117. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,462. OUTER SHIRTS, SPORTSWEAR FOR MEN AND BOYS, I. E., SPORTS SHIRTS, BUSH COATS, SPORTS COATS, SPORTS JACKETS, AND LUMBER JACKETS. BARNEY BROOKS SHIRT CO., New York, N. Y.
Filed September 12, 1939. Serial No. 423,520. PUBLISHED NOVEMBER 28, 1939. Class 39.

377,463. WHITE SIDE-WALL TIRE CLEANER AND DRESSER. KEEL & COMPANY, INC., Philadelphia, Pa.
Filed September 13, 1939. Serial No. 423,567. PUBLISHED FEBRUARY 27, 1940. Class 4.

377,464. CHEMICAL MATERIALS AND COMPOSITIONS FOR COATING METAL SURFACES FOR RUST-PROOFING AND ANALOGOUS PURPOSES. THE PROMAT COMPANY, Chicago, Ill.
Filed September 18, 1939. Serial No. 423,710. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,465. PREPARATION FOR THE TREATMENT OF VITAMIN DEFICIENCIES AND HYPOCHLORHYDRIA. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed September 20, 1939. Serial No. 423,776. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,466. SKIN TONIC. CURRY LABORATORY, Camden, N. J.
Filed September 21, 1939. Serial No. 423,800. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,467. ANTISEPTICS, DISINFECTANTS, AND DEODORANTS. THE DAIRY LABORATORIES, Philadelphia, Pa.
Filed September 21, 1939. Serial No. 423,802. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,468. LIQUEFIED PETROLEUM GAS. THE BLISH, MIZE AND SILLIMAN HARDWARE COMPANY, Atchison, Kans.
Filed September 22, 1939. Serial No. 423,845. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,469. LEAFLETS, PAMPHLETS, SERVICES, BULLETINS, HANDBOOKS, BROCHURES, AND TRACTS. THE TOWN HALL, INC., New York, N. Y.
Filed September 26, 1939. Serial No. 423,960. PUBLISHED FEBRUARY 13, 1940. Class 38.

377,470. HOSIERY. THEME HOSIERY COMPANY, INC., Los Angeles, Calif.
Filed September 25, 1939. Serial No. 423,932. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,471. HOSIERY. THEME HOSIERY COMPANY, INC., Los Angeles, Calif.
Filed September 25, 1939. Serial No. 423,933. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,472. ELASTIC CAPSULE COVERED WITH A GELATIN COATING CONTAINING A COMBINATION OF VITAMINS A, B_1, B_2, C, AND D TO BE USED FOR MEDICINAL PURPOSES. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed September 30, 1939. Serial No. 424,004. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,473. ANTACID TABLET PACKED IN ROLLS SIMILAR TO CANDY MINTS. WM. W. BEWLEY, doing business as Fun-Joys Company, Anderson, S. C.
Filed October 2, 1939. Serial No. 424,116. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,474. COTTON SHEETS AND PILLOW CASES. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed October 2, 1939. Serial No. 424,139. PUBLISHED FEBRUARY 20, 1940. Class 42.

377,475. PREPARATION FOR ACUTE, RELAXED, AND DISTURBED CONDITIONS OF THE STOMACH AND BOWELS. DR. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed October 3, 1939. Serial No. 424,161. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,476. PREPARATION FOR ACUTE, RELAXED, AND DISTURBED CONDITIONS OF THE STOMACH AND BOWELS. DR. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed October 3, 1939. Serial No. 424,162. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,477. PREPARATION FOR ACUTE, RELAXED, AND DISTURBED CONDITIONS OF THE STOMACH AND BOWELS. DR. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed October 3, 1939. Serial No. 424,163. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,478. PREPARATION FOR ACUTE, RELAXED AND DISTURBED CONDITIONS OF THE STOMACH AND BOWELS. DR. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed October 3, 1939. Serial No. 424,164. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,479. OILED SILK. ADVANCE MFG. COMPANY, Chicago, Ill.
Filed October 5, 1939. Serial No. 424,219. PUBLISHED FEBRUARY 27, 1940. Class 50.

377,480. ALKALINE LAXATIVE PREPARATION IN POWDER FORM USED ALSO AS A MEDICINE FOR HEART BURN, SOUR STOMACH, AND EXCESS STOMACH ACIDITY. CHARLES THOMAS BROMLEY, doing business as B. I. C. Laboratories and Bromley's Pharmacy, Cincinnati, Ohio.
Filed October 9, 1939. Serial No. 424,341. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,481. ROCK AND RYE. LEROUX AND COMPANY, INC., Philadelphia, Pa.
Filed October 12, 1939. Serial No. 424,483. PUBLISHED NOVEMBER 28, 1939. Class 49.

377,482. PREPARATION USED IN THE TREATMENT OF KIDNEY DISORDERS. ROBERTO SALAZAR, doing business as Los Angeles Pharmacal Company, Los Angeles, Calif.
Filed October 16, 1939. Serial No. 424,605. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,483. AMMONIUM SULFATE, AMMONIUM CHLORIDE, CAUSTIC SODA, CAUSTIC POTASH, ETC. THE DOW CHEMICAL COMPANY, San Francisco, Calif.
Filed October 17, 1939. Serial No. 424,620. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,484. EAU DE COLOGNE, FACE POWDER, SKIN FRESHENER, NIGHT CREAM, CLEANSING CREAM, COLD CREAM, HAND LOTION, AND SHAMPOO. THE SPECIAL FORMULA CORPORATION, Bloomfield, N. J.
Filed October 19, 1939. Serial No. 424,698. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,485. LINIMENT FOR USE IN THE TREATMENT OF CUTS, BRUISES, BURNS, STINGS, BITES, OLD SORES, AND WIRE CUTS. D. A. CAUGHRAN, Marshfield, Mo.
Filed October 20, 1939. Serial No. 424,712. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,486. RAYON PIECE GOODS. S. NAITOVE & CO., INC., New York, N. Y.
Filed October 20, 1939. Serial No. 424,737. PUBLISHED FEBRUARY 27, 1940. Class 42.

377,487. PREPARATIONS HAVING VASO-CONSTRICTING, HAVING SEDATIVE, HAVING ANALGESIC, AND HAVING ANTIPYRETIC PROPERTIES, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed October 20, 1939. Serial No. 424,741. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,488. COMPOUND CONTAINING VARIOUS MINERALS TO BE MIXED WITH FEED RATIONS OF ANIMALS FOR PURPOSES OF CORRECTING AND PREVENTING FEED DEFICIENCIES. PAUL S. CASEY, doing business as Vitamineral Products Company, Peoria, Ill.
Filed October 20, 1939. Serial No. 424,754. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,489. SODA CRACKERS OR BISCUITS. CONSOLIDATED BISCUIT COMPANY, INCORPORATED, doing business as Davidson Biscuit Co., Chicago, and Mount Vernon, Ill., and Louisville, Ky.
Filed October 24, 1939. Serial No. 424,836. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,490. SODA CRACKERS OR BISCUITS. CONSOLIDATED BISCUIT COMPANY, INCORPORATED, doing business as Davidson Biscuit Co., Chicago and Mount Vernon, Ill., and Louisville, Ky.
Filed October 24, 1939. Serial No. 424,842. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,491. FOOD DRINK IN POWDER FORM CONTAINING SOY BEAN, BARLEY MALT, DEXTROSE, BROWN SUGAR, WHEAT GERM, RICE COATINGS, AND FLAVORINGS. ENRICH PRODUCTS CO., INC., New York, N. Y.
Filed October 24, 1939. Serial No. 424,847. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,492. TOILET PREPARATION—NAMELY, A PREPARATION FOR USE AS A DEODORANT AND FOR RELIEVING THE DISCOMFORT OF ATHLETE'S FOOT. LORRAINE FOSTER, New York, N. Y.
Filed October 25, 1939. Serial No. 424,872. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,493. HEMORRHOIDAL SUPPOSITORIES. JACOB OSTERWEIL, doing business as Dexter Laboratories, New York, N. Y.
Filed October 26, 1939. Serial No. 424,928. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,494. COAL. F. S. MARTIN, doing business as F. S. Martin & Company, Chicago, Ill.
Filed October 28, 1939. Serial No. 425,029. PUBLISHED FEBRUARY 27, 1940. Class 1.

377,495. HOSIERY. CARITY HOSIERY COMPANY, Philadelphia, Pa.
Filed October 30, 1939. Serial No. 425,041. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,496. ELECTRICAL HORNS. THE SPARKS-WITHINGTON COMPANY, Jackson, Mich.
Filed October 31, 1939. Serial No. 425,103. PUBLISHED FEBRUARY 27, 1940. Class 21.

377,497. ALL RAYON WOVEN PIECE GOODS. CUSTOM UNDERGARMENT CORPORATION, New York, N. Y.
Filed November 2, 1939. Serial No. 425,141. PUBLISHED FEBRUARY 27, 1940. Class 42.

377,498. GLYCERINE SUBSTITUTES, INTERACTION PRODUCTS OF ALDEHYDES AND KETONES, POLYMETHYLOL ACETONES AND OTHER POLYALKYLOL KETONES AND THE DERIVATIVES THEREOF. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn.
Filed November 2, 1939. Serial No. 425,159. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,499. PROCESSED LIQUID OR MINERAL WATER PRODUCED BY FILTERING WATER THROUGH ACID, OXIDIZED CLAYS, CAUSING THE WATER TO ABSORB THE CHEMICAL QUALITIES OF SAID CLAYS. ALEXANDER GRANAT, New York, N. Y.
Filed November 4, 1939. Serial No. 425,240. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,500. PREPARATION FOR COLDS. CLIFF C. OWEN, doing business as Owen Drug Co. and O-N Drug Products Co., Salisbury, N. C.
Filed November 4, 1939. Serial No. 425,252. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,501. DRESSINGS FOR TEXTILE FABRICS. SOCIETE NOBEL FRANCAISE, Paris, France.
Filed November 4, 1939. Serial No. 425,259. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,502. CLOTHES LINES AND WRAPPING TWINE. UNITED BUYERS CORPORATION, also doing business as Foodcraft Products, Chicago, Ill.
Filed November 6, 1939. Serial No. 425,315. PUBLISHED FEBRUARY 20, 1940. Class 7.

377,503. MEDICINAL PREPARATION FOR TREATING ATHLETE'S FOOT AND FOOT PERSPIRATION. LUIGI AIELLO, Archbald, Pa.
Filed November 7, 1939. Serial No. 425,322. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,504. ALUMINUM AND BRONZE PAINT. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., doing business as Mobile Varnish Works, Wilmington, Del., and Mobile, Ala.
Filed November 7, 1939. Serial No. 425,357. PUBLISHED FEBRUARY 27, 1940. Class 16.

377,505. REFINED, SEMIREFINED, AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES, AND LUBRICATING GREASES. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed November 8, 1939. Serial No. 425,432. PUBLISHED JANUARY 30, 1940. Class 15.

377,506. MATCH BOOK COVERS SOLD EMPTY. WILLIAM C. GARTELMAN, Chicago, Ill.
Filed November 9, 1939. Serial No. 425,467. PUBLISHED FEBRUARY 27, 1940. Class 37.

377,507. MATCH BOOK COVERS SOLD EMPTY. WILLIAM C. GARTELMAN, Chicago, Ill.
Filed November 9, 1939. Serial No. 425,468. PUBLISHED FEBRUARY 27, 1940. Class 37.

377,508. PERFUME. MARVIN M. GREENE, New York, N. Y.
Filed November 10, 1939. Serial No. 425,518. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,509. MEDICINAL PREPARATION FOR THE TREATMENT OF ANEMIA. PALIVER LABORATORIES, INC., New York, N. Y.
Filed November 10, 1939. Serial No. 425,529. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,510. PROCESSED CAST IRON ALLOY METAL. SPUCK IRON & FOUNDRY CO., St. Louis, Mo.
Filed November 13, 1939. Serial No. 425,588. PUBLISHED FEBRUARY 27, 1940. Class 14.

377,511. GASOLINE, MOTOR FUEL OILS, LUBRICATING OILS AND GREASES, AND KEROSENE, FUEL OIL, DIESEL OIL, AND STOVE OIL. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed November 13, 1939. Serial No. 425,593. PUBLISHED JANUARY 30, 1940. Class 15.

377,512. NON-ALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. COUNTRY CLUB SODA CO., INC., Springfield, Mass.
Filed November 14, 1939. Serial No. 425,610. PUBLISHED FEBRUARY 27, 1940. Class 45.

377,513. ABRASIVE IMPLEMENTS FOR GENERAL USE AND EACH COMPOSED OF A FLEXIBLE BODY AND GRIT PARTICLES SUPERFICIALLY ADHERING TO SUCH BODY. MILLER P. GRIFFIN, doing business as General Devices Company, Paterson, N. J.
Filed November 14, 1939, Serial No. 425,614. PUBLISHED FEBRUARY 27, 1940. Class 4.

377,514. MAGAZINE. PAYSON PUBLISHING, INC., New York, N. Y.
Filed November 14, 1939. Serial No. 425,621. PUBLISHED FEBRUARY 13, 1940. Class 38.

377,515. GASOLINE. SUN OIL COMPANY, Philadelphia, Pa.
Filed November 14, 1939. Serial No. 425,630. PUBLISHED JANUARY 30, 1940. Class 15.

377,516. POULTRY FOOD. MINNESOTA FARM BUREAU SERVICE COMPANY, St. Paul, Minn.
Filed November 15, 1939, Serial No. 425,673. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,517. SPICES. JAS. H. FORBES TEA AND COFFEE COMPANY, St. Louis, Mo.
Filed November 16, 1939, Serial No. 425,675. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,518. COMPOSITION ROOFING, MORE PARTICULARLY SHINGLES. BARBER ASPHALT CORPORATION, Barber, N. J.
Filed November 16, 1939. Serial No. 425,681. PUBLISHED JANUARY 30, 1940. Class 12.

377,519. PLASTIC CEMENT AND FIBER COATING. BARBER ASPHALT CORPORATION, Barber, N. J.
Filed November 16, 1939. Serial No. 425,682. PUBLISHED FEBRUARY 6, 1940. Class 12.

377,520. HARDWOOD FLOORING, HARDWOOD INTERIOR TRIM, HARDWOOD LUMBER, AND HARDWOOD DIMENSION. E. L. BRUCE COMPANY, Memphis, Tenn.
Filed November 16, 1939. Serial No. 425,693. PUBLISHED JANUARY 30, 1940. Class 12.

377,521. HAIR TINTS, DYES, TONICS, RINSES, AND LOTIONS; NAIL PREPARATIONS; HAIR AND SCALP OILS AND CONDITIONERS; SHAMPOOS; DYE REMOVERS, AND BEAUTY PACK. CHADWICK CHEMICAL CO., Newark, N. J.
Filed November 17, 1939. Serial No. 425,729. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,522. TOILET PREPARATIONS—NAMELY, LOTIONS, CREAMS, FACE POWDER, LIPSTICK, AND ROUGE. FRANCES DENNEY, Philadelphia, Pa.
Filed November 17, 1939. Serial No. 425,733. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,523. RECTAL ANESTHETIC. ABBOTT LABORATORIES, North Chicago, Ill.
Filed November 18, 1939. Serial No. 425,772. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,524. LIQUID PREPARATION USED AS AN AID IN CORRECTING HABIT OF THUMB AND FINGER SUCKING AND NAIL BITING. MELVIN CO., South Pasadena, Calif.
Filed November 18, 1939. Serial No. 425,802. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,525. MAGAZINE PUBLISHED MONTHLY. NEW YORK STOCK EXCHANGE, New York, N. Y.
Filed November 18, 1939. Serial No. 425,803. PUBLISHED FEBRUARY 20, 1940. Class 38.

377,526. ZINC BASE SLUSHING ALLOYS, CONSISTING OF ZINC AND ALUMINUM ALLOYS AND USED IN THE MANUFACTURE OF TOYS AND AUTOMOBILE PARTS, ETC. SILVERSTEIN & PINSOF, INC., Chicago, Ill.
Filed November 18, 1939. Serial No. 425,810. PUBLISHED FEBRUARY 27, 1940. Class 14.

377,527. BOILER COMPOUND, RADIATOR COMPOUND, AND WATER SOFTENER. THE DARCO CORPORATION, Canton, Ohio
Filed November 20, 1939. Serial No. 425,830. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,528. MEDICINAL PREPARATION WHICH ACTS AS A DIURETIC AND VASODILATOR. HOOVER & CO., INC., Kenosha, Wis.
Filed November 20, 1939. Serial No. 425,835. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,529. UNCUT PILE FABRICS SUCH AS COTTON TERRY TOWELS AND WASH CLOTHS; LINEN AND COTTON DISH TOWELS AND DISH CLOTHS, ETC. GIMBEL BROTHERS, INC., New York, N. Y.
Filed November 21, 1939. Serial No. 425,855. PUBLISHED FEBRUARY 20, 1940. Class 42.

377,530. PERIODICAL. MILLINERY ASSOCIATES, INC., New York, N. Y.
Filed November 21, 1939. Serial No. 425,858. PUBLISHED FEBRUARY 20, 1940. Class 38.

377,531. INSECTICIDES. CHEMISCHE FABRIK TEMPELHOF PREUSS & TEMMLER, Berlin-Tempelhof, Germany.
Filed November 22, 1939. Serial No. 425,879. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,532. PREPARATION USED FOR MENDING HOSIERY AND TEXTILE MATERIALS. FRIEDA L. JOHNSON, doing business as Johnson Products Company, Chicago, Ill.
Filed November 24, 1939. Serial No. 425,919. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,533. SUPPOSITORIES FOR TREATING VAGINAL CONDITIONS. THE KRYSTAL CO., Fresno, Calif.
Filed November 24, 1939. Serial No. 425,920. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,534. COAL TAR PAINT. THE BARRETT COMPANY, New York, N. Y.
Filed November 25, 1939. Serial No. 425,948. PUBLISHED FEBRUARY 27, 1940. Class 16.

377,535. PIECE GOODS OF COTTON, SILK, AND RAYON AND COMBINATIONS THEREOF. WALT DISNEY PRODUCTIONS, Hollywood, Calif.
Filed November 25, 1939. Serial No. 425,955. PUBLISHED FEBRUARY 20, 1940. Class 42.

377,536. COMPOUNDED LUBRICANTS AND CUTTING OILS AND CONCENTRATES USED IN COMPOUNDED LUBRICANTS AND CUTTING OILS. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio.
Filed November 25, 1939. Serial No. 425,965. PUBLISHED JANUARY 30, 1940. Class 15.

377,537. MEDICINAL PREPARATIONS TO BE EMPLOYED AS A BLOOD PURIFIER, STOMACH, LIVER, AND KIDNEY TREATMENT, DROPSY TREATMENT, AND FOR A LINIMENT FOR EXTERNAL APPLICATION IN THE TREATMENT OF RHEUMATISM, SPRAINS, AND BRUISES. A. G., A. C., A. V. HARRIS, Bethpage, Tenn., and Bridgeport, Ind.
Filed November 27, 1939. Serial No. 425,997. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,538. SOOTHING COOLING LOTION FOR THE RELIEF OF SKIN IRRITATIONS. WILLIAM J. SCHERER, doing business as The Scherer Drug Company, Rochester, N. Y.
Filed November 27, 1939. Serial No. 426,014. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,539. MAGAZINE. MACFADDEN PUBLICATIONS, INC., New York, N. Y.
Filed November 28, 1939. Serial No. 426,031. PUBLISHED FEBRUARY 20, 1940. Class 38.

377,540. SUN-TAN OIL. PARFUMS CHARBERT, INC., New York, N. Y.
Filed November 28, 1939. Serial No. 426,033. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,541. SOLVENT AND CLEANER FOR DISSOLVING OIL RESIDUES, SLUDGE FORMATIONS, AND CARBON DEPOSITS, ETC. PETROLEUM SOLVENTS CORPORATION, New York, N. Y.
Filed November 28, 1939. Serial No. 426,035. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,542. COLLOIDAL SUSPENSION OF ALUMINUM HYDROXIDE IN COMBINATION WITH OTHER MEDICINAL SUBSTANCES FOR TREATING INFECTIOUS DISEASES OF THE SKIN. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa.
Filed November 28, 1939. Serial No. 426,042. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,543. ANTISEPTIC DRESSING. AYERST, MCKENNA & HARRISON (UNITED STATES), LIMITED, Rouses Point, N. Y.
Filed November 29, 1939. Serial No. 426,049. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,544. GLYCERINE. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed November 29, 1939. Serial No. 426,068. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,545. PREPARATION CONTAINING THE DRUG ASAFETIDA AS ITS EFFECTIVE THERAPEUTIC INGREDIENT, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed November 29, 1939. Serial No. 426,071. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,546. ANTISEPTIC PREPARATIONS AND PREPARATIONS FOR THE TREATMENT OF INJURIES AND/OR INFLAMMATIONS OF THE SKIN AND MUCOUS MEMBRANES, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed November 29, 1939. Serial No. 426,073. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,547. RAZOR BLADES. STANDARD SALES COMPANY OF FLORIDA, INC., Jacksonville, Fla.
Filed November 29, 1939. Serial No. 426,074. PUBLISHED FEBRUARY 27, 1940. Class 23.

377,548. MEDICINAL PREPARATIONS HAVING ANALGESIC, STIMULATING, AND TONIC PROPERTIES, USEFUL IN GLANDULAR THERAPY, ETC. THE KNOX COMPANY, Los Angeles, Calif.
Filed November 30, 1939. Serial No. 426,093. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,549. THERAPEUTIC PRODUCTS COMPRISING ESTROGENIC COMPOUNDS PUT UP IN TABLET, OINTMENT, AND SUPPOSITORY FORM, OR DISSOLVED IN VEGETABLE OIL. KREMERS URBAN COMPANY, Milwaukee, Wis.
Filed November 30, 1939. Serial No. 426,094. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,550. BULK DYE STUFFS FOR USE BY COMMERCIAL DYERS AND MANUFACTURERS. MAHER COLOR & CHEMICAL CO., INC., Chicago, Ill.
Filed November 30, 1939. Serial No. 426,101. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,551. WHEAT FLOUR. WM. FISHER, doing business as Wm. Fisher & Co., San Francisco, Calif.
Filed December 1, 1939. Serial No. 426,129. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,552. EFFERVESCENT SALTS AND LAXATIVES IN THE FORM OF SALTS. CARTER PRODUCTS, INC., New York, N. Y.
Filed December 2, 1939. Serial No. 426,154. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,553. LIQUID DEHYDRANT FOR REFRIGERANTS. DAVID CRAMPTON, doing business as Highside Chemicals Company, Newark, N. J.
Filed December 2, 1939. Serial No. 426,159. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,554. HAIR PREPARATIONS. ANGETEE BROOKS, Memphis, Tenn.
Filed December 4, 1939. Serial No. 426,180. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,555. PERFUME DISPLAY STANDS. COTY, INC., New York, N. Y.
Filed December 4, 1939. Serial No. 426,188. PUBLISHED FEBRUARY 27, 1940. Class 32.

377,556. COSMETICS COMPRISING FACE POWDER, LIPSTICK, CREAM ROUGE, DRY ROUGE, HAND LOTION, SKIN FRESHENER LOTION, FOUNDATION CREAMS, TISSUE CREAMS, DRY SKIN CREAMS, AND COLD CREAMS. HOUSE OF CHARM COSMETIC CO., Chicago, Ill.
Filed December 4, 1939. Serial No. 426,198. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,557. LIQUID VITAMIN PREPARATION FOR LOSS OF APPETITE AND FATIGABILITY. OD PEACOCK SULTAN COMPANY, St. Louis, Mo.
Filed December 4, 1039. Serial No. 426,216. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,558. GOLD PAINT, ALUMINUM PAINT, FLAT PAINT, SCREEN ENAMEL, WAGON AND IMPLEMENT ENAMEL, PAINT ENAMEL, PORCH AND DECK ENAMEL, VARNISH STAIN, READY MIXED PAINT, PREPARED ORANGE SHELLAC, AND PREPARED WHITE SHELLAC. GILMAN PAINT AND VARNISH CO., doing business as Hamilton Paint Co., Chattanooga, Tenn.
Filed December 5, 1939. Serial No. 426,250. PUBLISHED FEBRUARY 27, 1940. Class 16.

377,559. CHEMICAL SUBSTANCE AND COMPOUND USED INDUSTRIALLY AND INTENDED FOR INDUSTRIAL USE AS A DETERGENT, ETC. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J.
Filed December 5, 1939. Serial No. 426,269. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,560. WASHING POWDER. THE CLIMALENE COMPANY, Canton, Ohio.
Filed December 6, 1939. Serial No. 426,287. PUBLISHED FEBRUARY 27, 1940. Class 4.

377,561. CANNED FRUITS AND CANNED FRUIT JUICES FOR FOOD PURPOSES. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif.
Filed December 6, 1939. Serial No. 426,298. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,562. COTTON AND RAYON PIECE GOODS USED IN THE MANUFACTURE OF WOMEN'S WEARING APPAREL. W. E. MCKAY & CO., INC., New York, N. Y.
Filed December 7, 1939. Serial No. 426,319. PUBLISHED FEBRUARY 27, 1940. Class 42.

377,563. FLAME COLORING MATERIAL. JONATHAN P. B. FISKE, Auburndale, Mass.
Filed December 7, 1939. Serial No. 426,331. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,564. DAILY NEWSPAPER. HEARST CONSOLIDATED PUBLICATIONS, INC., Baltimore, Md.
Filed December 7, 1939. Serial No. 426,336. PUBLISHED FEBRUARY 13, 1940. Class 38.

377,565. INDIVIDUAL CONTAINERS MADE OF "PLIOFILM" OR OTHER SUITABLE MATERIAL CONTAINING INDIVIDUAL MEASURED DOSES OF MEDICINAL HORMONE PREPARATIONS RECOMMENDED FOR THE TREATMENT OF GLANDULAR DEFICIENCIES. SCHERING CORPORATION, Bloomfield, N. J.
Filed December 7, 1939. Serial No. 426,347. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,566. CHEMICALS FOR ELECTROPLATING, PARTICULARLY CHROMIUM PLATING. JOSEPH J. TRISKA, New York, N. Y., assignor to Triskalite Corporation, New York, N. Y., a corporation of New York.
Filed December 7, 1939. Serial No. 426,350. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,567. GERMICIDE AND ANTISEPTIC FOR USE AS AN EXTERNAL APPLICATION WHERE INFLAMMATION IS ACCOMPANIED BY LOCALIZED BACTERIAL OR FUNGUS ACTIVITY. CARBO-FUNG CHEMICAL LABORATORY, Los Angeles, Calif.
Filed December 8, 1939. Serial No. 426,357. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,568. PREPARATION USED IN THE TREATMENT OF MINOR IRRITATIONS OF THE THROAT. INTERNATIONAL AFFILIATED CORPORATION, New York, N. Y.
Filed December 8, 1939. Serial No. 426,363. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,569. ANTI-FREEZE AND CORROSION PREVENTIVE BOTH FOR USE IN AUTOMOBILE AND OTHER COOLING SYSTEMS. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed December 8, 1939. Serial No. 426,373. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,570. PREPARATION TO AID DIGESTION. WHITE LABORATORIES, INC., Newark, N. J.
Filed December 8, 1939. Serial No. 426,384. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,571. PREPARATION TO AID DIGESTION. WHITE LABORATORIES, INC., Newark, N. J.
Filed December 8, 1939. Serial No. 426,386. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,572. CARPETS AND RUGS. M. J. WHITTALL ASSOCIATES, INC., Worcester, Mass.
Filed December 8, 1939. Serial No. 426,387. PUBLISHED FEBRUARY 27, 1940. Class 42.

377,573. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. DELETTREZ, INC., Long Island City, N. Y.
Filed December 9, 1939. Serial No. 426,399. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,574. PHOTOGRAPHIC CHEMICALS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed December 9, 1939. Serial No. 426,404. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,575. FOOT BATH POWDER. WALTER R. SCHEETZ, Los Angeles, Calif.
Filed December 9, 1939. Serial No. 426,413. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,576. PREPARATION FOR THE TREATMENT AND RELIEF OF BRONCHIAL DISEASES. TEOTISIL LABORATORIES CORPORATION, New York, N. Y.
Filed December 9, 1939. Serial No. 426,416. PUBLISHED FEBRUARY 6, 1940. Class 6.

377,577. QUILTS, PADS FOR BEDS, COTS, COUCHES, DAVENPORTS, CRIBS, CHAIRS, AND SEATS. CHESTER L. THOMAS, doing business as Thomas Quilt Factories, Denver, Colo.
Filed December 9, 1939. Serial No. 426,421. PUBLISHED FEBRUARY 20, 1940. Class 42.

377,578. COLD TABLETS. F. J. AIREY CO., INC., Los Angeles, Calif.
Filed December 11, 1939. Serial No. 426,424. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,579. TOOTH POWDER. WILLIE MARIE BODDIE, doing business as Health-Tol Products Co., Detroit, Mich.
Filed December 11, 1939. Serial No. 426,431. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,580. PREPARATION FOR COUGHS. THE BROWNE PHARMACY, INC., New Bedford, Mass.
Filed December 11, 1939. Serial No. 426,433. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,581. PREPARATION CONTAINING SODIUM BICARBONATE, SODIUM SALICYLATE, AND CAFFEIN ALKALOID, FOR THE RELIEF OF PAIN DUE TO MUSCULAR ACHES AND PAINS OF A MINOR NATURE. NATHAN S. GADOL, Philadelphia, Pa.
Filed December 11, 1939. Serial No. 426,444. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,582. WEARING APPAREL—NAMELY, LADIES' DRESSES, SUITS, AND FROCKS. MARINETTE KNITTING MILLS, Marinette, Wis.
Filed December 11, 1939. Serial No. 426,457. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,583. LUBRICATING OILS AND GREASES. PENNSYLVANIA PETROLEUM PRODUCTS CO., Philadelphia, Pa.
Filed December 11, 1939. Serial No. 426,462. PUBLISHED FEBRUARY 20, 1940. Class 15.

377,584. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. MAURICE L. ROTHSCHILD, INCORPORATED, Chicago, Ill.
Filed December 11, 1939. Serial No. 426,465. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,585. SPRING STRUCTURES FOR MATTRESSES AND CUSHIONS. L. A. YOUNG SPRING & WIRE CORPORATION, Detroit, Mich.
Filed December 11, 1939. Serial No. 426,472. PUBLISHED FEBRUARY 27, 1940. Class 32.

377,586. MAGAZINE COLUMN. THE F-R. PUBLISHING CORPORATION, New York, N. Y.
Filed December 12, 1939. Serial No. 426,489. PUBLISHED FEBRUARY 20, 1940. Class 38.

377,587. MAGAZINE COLUMN. THE F-R. PUBLISHING CORPORATION, New York, N. Y.
Filed December 12, 1939. Serial No. 426,490. PUBLISHED FEBRUARY 20, 1940. Class 38.

377,588. PREPARATION FOR THE TREATMENT OF ANEMIAS. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed December 13, 1939. Serial No. 426,546. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,589. UNTREATED CLEANING CLOTHS, TOWELS, DUSTERS, NAPKINS, STRAINERS, AND UTILITY CLOTHS. CHICOPEE MANUFACTURING CORPORATION, New Brunswick, N. J.
Filed December 14, 1939. Serial No. 426,556. PUBLISHED FEBRUARY 27, 1940. Class 42.

377,590. BOARD GAME PLAYED WITH MOVABLE PIECES. JOSEPH M. SMOOT, New York, N. Y.
Filed December 14, 1939. Serial No. 426,578. PUBLISHED FEBRUARY 27, 1940. Class 22.

377,591. MALTLESS NON-ALCOHOLIC CARBONATED BEVERAGE, AND SYRUP FOR USE IN MAKING THE SAME. VANTI PA-PI-A CORPORATION, New York, N. Y.
Filed December 14, 1939. Serial No. 426,583. PUBLISHED FEBRUARY 20, 1940. Class 45.

377,592. PREPARATIONS FOR DESTROYING SNAILS AND MOLLUSKS. LONZA ELEKTRIZITÄTSWERKE & CHEMISCHE FABRIKEN AKTIENGESELLSCHAFT, Gampel, Switzerland.
Filed December 15, 1939. Serial No. 426,624. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,593. RUBBER BABY PANTS. MILKY WAY PRODUCTS COMPANY, Wilmington, Del.
Filed December 15, 1939. Serial No. 426,625. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,594. POWDERS AND LIQUIDS FOR EXTERMINATING AND CONTROL OF VERMIN; INSECTICIDES, AND MICE AND RAT EXTERMINATING PREPARATIONS. MYSTERIOUS CHEMICAL COMPANY, INC., New York, N. Y.
Filed December 15, 1939. Serial No. 426,627. PUBLISHED FEBRUARY 13, 1940. Class 6.

377,595. HOSIERY. VAN RAALTE COMPANY, INC., New York, N. Y.
Filed December 15, 1939. Serial No. 426,634. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,596. SUNBURN LOTIONS, COMPLEXION CREAMS, AND SKIN LOTIONS. HENRIETTA E. BOYCE, Glen Rock, N. J.
Filed December 16, 1939. Serial No. 426,640. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,597. CARTOON SERIES. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed December 16, 1939. Serial No. 426,653. PUBLISHED FEBRUARY 20, 1940. Class 38.

377,598. LADIES' DRESSES AND SUITS. MCKETTRICK WILLIAMS, INC., New York, N. Y.
Filed December 16, 1939. Serial No. 426,658. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,599. CANNED VEGETABLES JUICES FOR FOOD PURPOSES. BARRON-GRAY PACKING COMPANY, San Jose, Calif.
Filed December 18, 1939. Serial No. 426,684. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,600. MEN'S AND BOYS' OVERCOATS, TOPCOATS, SUITS, TROUSERS, SLACKS, SPORT-JACKETS, VESTS. EAGLE CLOTHES, New York, N. Y.
Filed December 18, 1939. Serial No. 426,689. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,601. CARD NUMBER GAME PLAYED AFTER THE MANNER OF BINGO OR TIT-TAT-TO. LOUIS KESSLER, doing business as Novelty Games Co., New York, N. Y.
Filed December 18, 1939. Serial No. 426,700. PUBLISHED FEBRUARY 27, 1940. Class 22.

377,602. WOMEN'S CLOTHING—NAMELY, SWEATERS, BLOUSES, SKIRTS, AND COATS. KLINE'S, INCORPORATED, St. Louis, Mo.
Filed December 18, 1939. Serial No. 426,701. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,603. WOMEN'S DRESSES. RHEA MANUFACTURING COMPANY, Milwaukee, Wis.
Filed December 18, 1939. Serial No. 426,710. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,604. PARLOR OR TABLE GAMES PLAYED WITH A GAME BOARD AND MOVABLE GAME PIECES. STANLEY STOOTHOFF, Pontiac, Mich.
Filed December 18, 1939. Serial No. 426,716. PUBLISHED FEBRUARY 27, 1940. Class 22.

377,605. VENETIAN BLINDS. ROYAL VENETIAN BLIND MFG. CO., St. Louis, Mo.
Filed December 18, 1939. Serial No. 426,719. PUBLISHED FEBRUARY 27, 1940. Class 32.

377,606. AUTOMOBILE PNEUMATIC TIRES AND TUBES. ABEL SALES CORPORATION, Columbus, Ohio.
Filed December 19, 1939. Serial No. 426,722. PUBLISHED FEBRUARY 27, 1940. Class 35.

377,607. RICE. AMERICAN RICE GROWERS COOPERATIVE ASSOCIATION, Lake Charles, La.
Filed December 19, 1939. Serial No. 426,723. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,608. TABLE GAME HAVING MOVABLE PLAYING PIECES. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed December 19, 1939. Serial No. 426,726. PUBLISHED FEBRUARY 27, 1940. Class 22.

377,609. TOILET PREPARATIONS—NAMELY, LOTIONS, CREAMS, FACE POWDER, LIPSTICK, AND ROUGE. FRANCES DENNEY, Philadelphia, Pa.
Filed December 19, 1939. Serial No. 426,728. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,610. POWER TRANSMISSION BELTS COMPOSED OF FABRIC AND RUBBER. THE B. F. GOODRICH COMPANY, Akron, Ohio.
Filed December 19, 1939. Serial No. 426,729. PUBLISHED FEBRUARY 27, 1940. Class 35.

377,611. REFRIGERATORS. WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif.
Filed December 19, 1939. Serial No. 426,746. PUBLISHED FEBRUARY 27, 1940. Class 31.

377,612. CARBONATED BEVERAGES SOLD AS SOFT DRINKS. ZETZ 7UP BOTTLING COMPANY, INC. New Orleans, La.
Filed December 19, 1939. Serial No. 426,750. PUBLISHED FEBRUARY 20, 1940. Class 45.

377,613. INSECTICIDES AND FUNGICIDES FOR USE ON VEGETATION. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed December 20, 1939. Serial No. 426,770. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,614. CHILDREN'S SHIRTS AND PANTS. SACKMAN BROTHERS COMPANY, New York, N. Y.
Filed December 20, 1939. Serial No. 426,785. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,615. FOOD PRODUCT IN POWDERED FORM COMPRISING HAWAIIAN TARO, MALT, COCOA, AND OTHER INGREDIENTS, USED AS A FOUNDATION FOR NUTRITIONAL BEVERAGES. THE GALEN COMPANY, INC., doing business as Hawaiian Taro Sales Co., Berkeley, Calif.
Filed December 21, 1939. Serial No. 426,802. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,616. BREATH SWEETENER. VALENTINE LABORATORIES, INC., Chicago, Ill.
Filed December 21, 1939. Serial No. 426,821. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,617. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed December 22, 1939. Serial No. 426,830. PUBLISHED FEBRUARY 20, 1940. Class 42.

377,618. LIQUID BALM FOR EXTERNAL APPLICATION FOR ASTHMA, RHEUMATISM, AND PAINS IN MUSCLES AND JOINTS. FRED W. NOAK, doing business as Okaon Laboratory, Cincinnati, Ohio.
Filed December 22, 1939. Serial No. 426,841. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,619. DENTIFRICE. MARY WOODARD REINHARDT AND MARY H. MCSWEENEY, New York, N. Y.
Filed December 22, 1939. Serial No. 426,844. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,620. COTTON PIECE GOODS. M. BINKOVITZ & SONS, INC., New York, N. Y.
Filed December 23, 1939. Serial No. 426,853. PUBLISHED FEBRUARY 20, 1940. Class 42.

377,621. WOMEN'S WASH DRESSES. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed December 23, 1939. Serial No. 426,854. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,622. STOCK FEEDS — NAMELY, OATS, CORN, BARLEY, BARLEY MIDDLINGS, HOMINY FEED, OAT HULLS FOR FEEDING PURPOSES, ETC. D. H. GRANDIN MILLING CO., Jamestown, N. Y.
Filed December 22, 1939. Serial No. 426,875. PUBLISHED FEBRUARY 27, 1940. Class 46.

377,623. WOMEN'S, MISSES', JUNIORS', AND CHILDREN'S COATS, SUITS, AND DRESSES. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio.
Filed December 26, 1939. Serial No. 426,894. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,624. FLUORESCENT CHEMICALS AND MIXTURES OF FLUORESCENT CHEMICALS, SOLD IN DRY FORM, AND AS SUSPENSIONS IN LIQUID VEHICLES, ADAPTED FOR COATING TUBES AND OTHER SURFACES FOR LIGHTING AND DISPLAY PURPOSES. GENERAL LUMINESCENT CORPORATION, Chicago, Ill.
Filed December 28, 1939. Serial No. 426,948. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,625. SUN SPECTACLES OR GOGGLES. NEW YORK MERCHANDISE CO. INC., New York, N. Y.
Filed December 28, 1939. Serial No. 426,958. PUBLISHED FEBRUARY 27, 1940. Class 26.

377,626. ELECTRIC LIGHTING FIXTURES. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed December 29, 1939. Serial No. 426,970. PUBLISHED FEBRUARY 27, 1940. Class 21.

377,627. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATES FROM WHICH SUCH SOFT DRINKS ARE MADE. CITRUS PRODUCTS COMPANY, Chicago, Ill.
Filed December 29, 1939. Serial No. 426,972. PUBLISHED FEBRUARY 27, 1940. Class 45.

377,628. COMPOSITION FOR DUSTPROOFING COAL. THE JOHNSON-MARCH CORPORATION, New York, N. Y.
Filed December 29, 1939. Serial No. 426,981. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,629. COMPOSITION FOR DUSTPROOFING COAL. THE JOHNSON-MARCH CORPORATION, New York, N. Y.
Filed December 29, 1939. Serial No. 426,982. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,630. PIECE GOODS OF RAYON AND WOOLEN MIXED. RAYLAINE WORSTEDS, INC., Manchester, N. H.
Filed December 30, 1939. Serial No. 427,041. PUBLISHED FEBRUARY 27, 1940. Class 42.

377,631. BATTERY CABLES, IGNITION CABLE SETS, AND IGNITION COILS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed December 30, 1939. Serial No. 427,045. PUBLISHED FEBRUARY 27, 1940. Class 21.

377,632. PILLOW CASES, SHEETS, AND TEXTILE FABRICS IN THE PIECE—NAMELY, OF SILK, WOOL, COTTON, AND RAYON. WOLF & DESSAUER CO., Fort Wayne, Ind.
Filed December 30, 1939. Serial No. 427,055. PUBLISHED FEBRUARY 27, 1940. Class 42.

377,633. MALTLESS, NONALCOHOLIC, NONCEREAL MIXER FOR TOM COLLINS. ROOT POP BOTTLING CO., Washington, D. C.
Filed January 2, 1940. Serial No. 427,087. PUBLISHED FEBRUARY 27, 1940. Class 45.

377,634. ANTISEPTIC GERMICIDE. THE SODIPHENE COMPANY, Kansas City, Mo.
Filed January 2, 1940. Serial No. 427,090. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,635. BAY-RUM. ANTONIO YUMET MARIN, doing business as The Juvenilina Co., Ponce, P. R.
Filed January 3, 1940. Serial No. 427,115. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,636. LINEN TABLECLOTHS, LINEN NAPKINS, COTTON TABLECLOTHS, COTTON NAPKINS, ETC. HERRMANN & JACOBS, INC., New York, N. Y.
Filed January 4, 1940. Serial No. 427,139. PUBLISHED FEBRUARY 27, 1940. Class 42.

377,637. EGG BEATERS. THE EDWARD KATZINGER COMPANY, Chicago, Ill.
Filed January 4, 1940. Serial No. 427,140. PUBLISHED FEBRUARY 27, 1940. Class 23.

377,638. PAINTS (READY MIXED, PASTE FORM, AND DRY), PAINT FILLERS, UNDERCOATERS, AND PRIMERS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed January 4, 1940. Serial No. 427,144. PUBLISHED FEBRUARY 27, 1940. Class 16.

377,639. VELVETEENS. WULLSCHLEGER & CO., New York, N. Y.
Filed January 4, 1940. Serial No. 427,154. PUBLISHED FEBRUARY 27, 1940. Class 42.

377,640. PORTABLE FIRE EXTINGUISHER APPARATUS AND REPAIR AND REPLACEMENT PARTS THEREFOR. CARDOX CORPORATION, Chicago, Ill.
Filed January 5, 1940. Serial No. 427,156. PUBLISHED FEBRUARY 27, 1940. Class 23.

377,641. DYESTUFFS FOR ALL FIBRES, YARNS, AND FABRICS AS WELL AS LEATHER AND PAPER. WARWICK CHEMICAL COMPANY, West Warwick, R. I.
Filed January 5, 1940. Serial No. 427,182. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,642. WOMEN'S, MISSES', AND JUNIOR COATS AND SUITS, JACKETS AND SKIRTS. SILVERSTEIN & SCHLOSSBERG, Baltimore, Md.
Filed January 6, 1940. Serial No. 427,210. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,643. OINTMENT FOR USE IN THE TREATMENT OF RHEUMATIC CONDITIONS. TAKAMINE LABORATORY, INC., Clifton, N. J.
Filed January 6, 1940. Serial No. 427,214. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,644. OINTMENT FOR USE IN THE TREATMENT OF RHEUMATIC CONDITIONS. TAKAMINE LABORATORY, INC., Clifton, N. J.
Filed January 6, 1940. Serial No. 427,215. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,645. PREPARATION USED IN THE TREATMENT OF VITAMIN K DEFICIENCIES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed January 8, 1940. Serial No. 427,257. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,646. PREPARATION FOR USE IN DRINKING WATER FOR THE TREATMENT OF POULTRY FOR INTESTINAL DISORDERS. THE G. E. CONKEY CO., Cleveland, Ohio.
Filed January 10, 1940. Serial No. 427,297. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,647. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, ETC. DELETTREZ, INC., Long Island City, N. Y.
Filed January 11, 1940. Serial No. 427,338. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,648. LADIES', MISSES', AND JUNIOR DRESSES. WILL STEINMAN, INC., New York, N. Y.
Filed January 12, 1940. Serial No. 427,399. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,649. LIQUID PRODUCT USED FOR THE TREATMENT OF NERVOUS AFFECTIONS AND DISEASES AND FOR INSOMNIA. LABORATOIRES G. REAUBOURG, SOCIÉTÉ ANONYME, Boulogne sur Seine, France.
Filed January 13, 1940. Serial No. 427,435. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,650. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed January 16, 1940. Serial No. 427,503. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,651. SYNTHETIC RESINOUS MATERIALS TO BE USED FOR COATING PAPER, TEXTILES, AND OTHER FLEXIBLE SHEET MATERIAL BY THE HOT MELT METHOD. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa.
Filed January 16, 1940. Serial No. 427,518. PUBLISHED FEBRUARY 20, 1940. Class 6.

377,652. LIPSTICKS, ROUGES, AND NAIL POLISHES, TOILET CREAM. ELIZABETH ARDEN, INC., New York, N. Y.
Filed January 18, 1940. Serial No. 427,569. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,653. PERFUME. NYAL COMPANY, Detroit, Mich.
Filed January 18, 1940. Serial No. 427,590. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,654. PERFUME. NYAL COMPANY, Detroit, Mich.
Filed January 18, 1940. Serial No. 427,591. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,655. PERFUME. NYAL COMPANY, Detroit, Mich.
Filed January 18, 1940. Serial No. 427,592. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,656. MEDICINAL PREPARATION USED IN THE TREATMENT OF CUTS, BURNS, AND CORNS. DONALD WHETSTONE, doing business as D. M. Whetstone Co., Marietta, Ohio.
Filed January 18, 1940. Serial No. 427,605. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,657. THERAPEUTIC PREPARATIONS FOR THE TREATMENT OF PELLAGRA. MERCK & CO., INC., Rahway, N. J.
Filed January 19, 1940. Serial No. 427,636. PUBLISHED FEBRUARY 27, 1940. Class 6.

377,658. POLISH FOR FURNITURE AND WOODWORK WHICH RENEWS FADED AND DETERIORATED FINISHES AND REMOVES SCRATCHES. DEWEY ALLEN FOISTER, doing business as Commercial Chemical Company, Asheville, N. C.
Filed January 20, 1940. Serial No. 427,658. PUBLISHED FEBRUARY 27, 1940. Class 16.

377,659. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. LUDWIG SCHERK, INC., New York, N. Y.
Filed January 20, 1940. Serial No. 427,680. PUBLISHED FEBRUARY 27, 1940. Class 6.

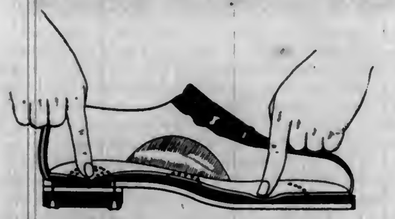
[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

377,660. (CLASS 39. CLOTHING.) HEARN DEPARTMENT STORES, INC., New York, N. Y. Filed Aug. 18, 1937. Serial No. 396,537.

Derbyshire

For Men's and Boys' Suits, Topcoats, Overcoats, Raincoats, Blouses; Boys' Negligee and Sport Shirts, Men's and Boys' Underwear, Collars, Bath Robes, Smoking Jackets, House Coats, Cardigans, Jackets, Snow Suits, Leather Coats and Jackets, Trousers, Polo Shirts, Leather and Fabric Shoes, Men's Dress and Negligee Shirts, and Pajamas.
Claims use since Jan. 28, 1928.

377,661. (CLASS 39. CLOTHING.) WEYENBERG SHOE MANUFACTURING COMPANY, Milwaukee, Wis. Filed Dec. 22, 1937. Serial No. 401,167.



For Shoes Constructed Principally of Leather.
Claims use since Aug. 9, 1934.

377,662. (CLASS 39. CLOTHING.) ARTISTIC FOUNDATIONS, INC., New York, N. Y. Filed Aug. 27, 1938. Serial No. 410,014.

triple control

For Girdles, Corsets, and Brassières and Combinations Thereof.
Claims use since October, 1934.

377,663. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED L. SCHLICHTE, Cincinnati, Ohio. Filed Sept. 1, 1938. Serial No. 410,191.



For Chemical Washing Fluids for Washing, Bleaching, Deodorizing, and Disinfecting.
Claims use since Mar. 11, 1938.

377,664. (CLASS 39. CLOTHING.) WM. KNOWLTON & SONS COMPANY, INC., West Upton, Mass., assignor to Brewster Hat Company, Inc., New York, N. Y., a corporation of Massachusetts. Filed Oct. 25, 1938. Serial No. 412,033.

Chamay

For Women's Hats.
Claims use since Oct. 11, 1938.

377,665. (CLASS 7. CORDAGE.) CHICAGO PRINTED STRING CO., Chicago, Ill. Filed Dec. 16, 1938. Serial No. 413,894.

Crinkle-Tie

For Flat Ribbon-Like Tying Material Made from Cotton Yarns Both for Tying, Cordage, and Utility Purposes.
Claims use since Nov. 19, 1938.

377,666. (CLASS 39. CLOTHING.) THE H. W. GOSSARD CO., Chicago, Ill. Filed Feb. 2, 1939. Serial No. 415,509.

Buzum-Hi

For Corsets, Girdles, and Combination Corsets and Brassières.
Claims use since Jan. 26, 1939.

377,667. (CLASS 39. CLOTHING.) DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Mar. 28, 1939. Serial No. 417,566.

FREE-O-CHAFE

For Ladies' Underwear, Pajamas, Nightgowns, and Dresses.
Claims use since Dec. 15, 1938.

377,668. (CLASS 2. RECEPTACLES.) SEYMOUR & PECK CO., Chicago, Ill., assignor to The Greif Bros. Cooperage Corporation, Cleveland, Ohio, a corporation of Delaware. Filed Apr. 10, 1939. Serial No. 418,068.

For-Ply

For Wooden Drums to Contain Loose Material.
Claims use since Mar. 15, 1939.

377,669. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BAR-CAR MILL, INC., Bloomsburg, Pa. Filed Apr. 11, 1939. Serial No. 418,088.

SPEED-TIN



For Tinning Compound.
Claims use since Jan. 16, 1939.

377,670. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DERMETICS, INC., Seattle, Wash. Filed Apr. 21, 1939. Serial No. 418,548.

SOIL ADSORBING

For Cleansing Cream.
Claims use since Aug. 15, 1938.

377,671. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed June 14, 1939. Serial No. 420,473.

Nu-Dydy

For Textile Diapers.
Claims use since Feb. 22, 1939.

377,672. (CLASS 39. CLOTHING.) LAWRENCE KRAMER, New York, N. Y. Filed July 1, 1939. Serial No. 421,188.



For Neckwear, and More Particularly Bow Ties.
Claims use since Mar. 15, 1939.

377,673. (CLASS 39. CLOTHING.) GEORGE MASTER GARMENT CORPORATION, Chicago, Ill. Filed Sept. 29, 1939. Serial No. 424,049.

GEO. Master

For Aprons for Butchers, Carpenters, Newsboys, and Shop and Restaurant Workers; Also Leg Aprons and Oiled and Rubber Aprons; Breeches, Pants, Trousers, and Slacks for Men and Boys; Overseas and Uniform Caps; Chefs' Caps and Trousers; Leather Coats and Jackets; Coats and Jackets for Men and Boys; Mess Jackets, Dentists', Office, Barbers', and Shop Coats and Jackets; Coveralls; Dresses and Headbands for Café and Restaurant Workers; Frocks for Butchers and Cooler and Grocery Store Workers; Hospital Garments; Nurses' Uniforms; Restaurant Uniforms for Men and Women; Smocks; Leather Neckties, Puttees; Raincoats, and Service Livery Garments.
Claims use since Nov. 16, 1936.

377,674. (CLASS 39. CLOTHING.) EDWARD ZUCKERMAN CAP CORP., New York, N. Y. Filed Oct. 17, 1939. Serial No. 424,632.

"KENYA"

For Sun Hats.
Claims use since Jan. 16, 1939.

377,675. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) ALBERT TROSTEL & SONS COMPANY, Milwaukee, Wis. Filed Nov. 28, 1939. Serial No. 426,040.

FAIRFAX

For Leather.
Claims use since 1933.

377,676. (CLASS 39. CLOTHING.) WOHL SHOE COMPANY, St. Louis, Mo. Filed Oct. 30, 1939. Serial No. 425,077.

Corélli

For Women's, Girls', and Children's Shoes of Leather, Fabric, and Combinations Thereof.
Claims use since Jan. 10, 1939.

377,677. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX FACTOR & CO., Los Angeles, Calif. Filed Dec. 4, 1939. Serial No. 426,191.

Max Factor

HOLLYWOOD

For Cosmetics, Perfumes, Theatrical Make-Up, and Similar Preparations—Namely, Powder Foundation Cream; Make-Up Foundation; a Face Cream Used as a Powder Base; Grease Paints; Colors to Line the Face for Theatrical and Expressive Effects; Liquid Body Make-Up; Face Powders; Cold Creams; Lipsticks; Liquid Make-Up Remover; Nose Putty; Moist Rouge; Dry Rouge; Brilliantine; Skin Freshener; a Cooling Face Lotion; Blackhead Cream; Shampoo; Perfumes; Deodorants; Hair Tonics; Eau de Cologne; Toilet Water; Bleach Mask; a Face Bleach Cream; Restorative Cream; a Cream to Remove Crowsfeet and Line Wrinkles; Circulation Cream; a Cream to Stimulate Circulation About the Face; Liquefying Cream; a Quick Melting Face Cream; Body Powder; Cleansing Cream; Lemon Cream; Skin and Tissue Cream; Dry Skin Cream; Make-Up Blender; a Lotion in Colors for Arms, Neck, and Shoulders to Harmonize the Respective Parts With the Color of the Face; Hand Lotion; Lip Pomades; Eye Shadows; a Colored Soft Cream to Shadow the Eyelids; Eyebrow Pencils; Eyelash Make-Up; a Mascara Form of Cosmetic Applied the Same as Regular Mascara; Mascara; Astringent; Astringent Foundation; a Lotion With Astringent Value; Also Used as a Powder Base; Lip Rouge; Liquid Make-Up; Talcum Powders; Nail Powders; Foot Powders; Tooth Powders; Liquid Cuticle Polish; Spirit Gum; Liquid Polish Remover; Vanishing Cream; Clown White; Burnt Cork; and Liquid Whitener.
Claims use since Nov. 1, 1928.

377,678. (CLASS 39. CLOTHING.) THE GLUCKIN CORP., New York, N. Y. Filed Dec. 23, 1939. Serial No. 426,858.

Self-Adjusta Bra

For Brassières.
Claims use since July 9, 1938.

377,679. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUR-KIL CHEMICAL CO., Tulsa, Okla. Filed Feb. 8, 1940. Serial No. 428,370.

SUR-KIL

For Insecticides.
Claims use since Sept. 20, 1937.

377,680. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Feb. 7, 1940. Serial No. 428,329.

Allendale

For Men's, Women's, and Children's Outershirts and Undershirts; Men's, Women's, and Children's Outer Shorts; Men's and Children's Under Shorts; Men's Negligee Shirts, Pajamas, Collars, and Neckties.
Claims use since May 26, 1938.

377,681. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUISE G. RAMSEY, Gary, Ind. Filed Feb. 12, 1940. Serial No. 428,503.

CERTAIN-GRO

For Hair Preparation.
Claims use since Jan. 20, 1939.

377,682. (CLASS 39. CLOTHING.) CURTIS-STEPHENS-EMBRY CO., Reading, Pa. Filed Feb. 27, 1940. Serial No. 428,956.

Pro-tek-tiv

For Leather Shoes for Babies, Children, and Growing Girls.

Claims use since July 1, 1937.

377,683. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CASCO COMPANY, Canton, Ohio. Filed Feb. 26, 1940. Serial No. 429,024.

BOWMAN'S
RED LAX-TIV

For Laxative Pills.

Claims use since Mar. 4, 1936.

TRADE-MARK REGISTRATIONS RENEWED

126,368. **HOSTESS.** BREAD, BISCUITS, AND CAKES. Registered August 19, 1919. WILLIAM B. WARD, Buffalo, N. Y. Renewed August 19, 1939, to Continental Baking Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

130,319. **GEORGE WASHINGTON.** BOTTLED CHERRIES MARASCHINO STYLE. Registered April 20, 1920. EVAN W. HOOK & CO., INC. Renewed April 20, 1940, to The C. M. Pitt & Sons Co., Baltimore, Md., a corporation of Maryland, assignee by mesne assignments.

130,414. **VODE.** UPPER-LEATHERS. Registered April 20, 1920. STANDARD KID MANUFACTURING COMPANY. Renewed April 20, 1940, to Allied Kid Company, Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

130,537. **AJAX.** TIME-STAMPS. Registered April 27, 1920. JOSEPH LEVY, Boston, Mass. Renewed April 27, 1940, to Ajax Time Stamp Company, New York, N. Y., a corporation of Massachusetts, assignee.

130,637. **BELL & HOWELL COMPANY.** MOTION-PICTURE-PRODUCING APPARATUS. Registered May 4, 1920. THE BELL & HOWELL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 4, 1940.

130,704. **DUOBEL.** A HIGH EXPLOSIVE OF THE DYNAMITE TYPE. Registered May 4, 1920. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed May 4, 1940.

130,749. **MOHAWK.** MANUFACTURED LEATHERBOARD. Registered May 4, 1920. THE HERKIMER FIBRE COMPANY, Herkimer, N. Y., and Boston, Mass. Renewed May 4, 1940, to International Paper Company, New York, N. Y., a corporation of New York, assignee.

130,796. **ARMY AND NAVY.** CIGARETTE-PAPER. Registered May 4, 1920. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 4, 1940.

130,815. **LAND OF NOD.** SLEEPING-GARMENTS. Registered May 4, 1920. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 4, 1940.

130,848. **DELTA.** TROLLEYS, CRANES, AND TONGS FOR HANDLING, HOISTING, AND CONVEYING PURPOSES, ALSO PORTABLE ELEVATORS FOR ELEVATING PURPOSES. Registered May 4, 1920. NEW JERSEY FOUNDRY & MACHINE CO., Garwood, N. J., and New York, N. Y. Renewed May 4, 1940, to Diamond Expansion Bolt Company Inc., Garwood, N. J., a corporation of New Jersey, assignee.

131,017. **ACE.** COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR AND FOR BUTTONS FOR WEARING-APPAREL. Registered May 4, 1920. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y., a corporation of New York. Renewed May 4, 1940.

131,018. **A, ETC.** COMBS FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR AND FOR BUTTONS FOR WEARING-APPAREL. Registered May 4, 1920. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y., a corporation of New York. Renewed May 4, 1940.

131,124. **G. G. G.** MEN'S AND YOUTHS' SUITS AND OVERCOATS. Registered May 4, 1920. WM. P. GOLDMAN & BROS. INC. Renewed May 4, 1940, to Wm. P. Goldman & Bros. Inc., New York, N. Y., a corporation of New York, assignee.

131,680. **GREEN BAND.** WRAPPING-PAPER. Registered May 18, 1920. THE YORK HAVEN PAPER COMPANY, Philadelphia, Pa. Renewed May 18, 1940, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

131,681. **YOUNG'S VICTORIA.** TOILET CREAM, FACE-POWDER, TALCUM POWDER, AND TOOTH-POWDER. Registered May 18, 1920. FREDERICK H. YOUNG. Renewed May 18, 1940, to Josephine A. Young, doing business as The Frederick H. Young Company, Toledo, Ohio, assignee by mesne assignments.

131,682. **YOUNG'S.** TOILET CREAMS, FACE-POWDER, TALCUM POWDER, AND TOOTH-POWDER. Registered May 18, 1920. FREDERICK H. YOUNG. Renewed May 18, 1940, to Josephine A. Young, doing business as The Frederick H. Young Company, Toledo, Ohio, assignee by mesne assignments.

131,783. **STARTEX.** CRASH GOODS IN THE PIECE AND CRASH GOODS IN SHORT LENGTHS. Registered May 25, 1920. INTERNATIONAL COTTON MILLS, Boston, Mass. Renewed May 25, 1940, to Startex Mills, Tucapau, S. C., a corporation of South Carolina, assignee by mesne assignments.

132,074. **SUN SHINE.** A CLEANER FOR WHITE GLACÉ KID-LEATHER. Registered June 8, 1920. CHRIST A. ZOES. Renewed June 8, 1940, to C. A. Zoes Manufacturing Co., Chicago, Ill., a corporation of Illinois, assignee.

132,548. **LIV-O-KIDS.** A MEDICINE TO BE USED IN THE TREATMENT OF THE LIVER AND KIDNEYS. Registered June 22, 1920. CHARLES D. STOWE. Renewed June 22, 1940, to Dr. T. C. Smith Company, Incorporated, Asheville, N. C., a corporation of North Carolina, assignee.

132,612. **GRIZZLYBEAR.** A DUPLEX CRINKLED OR CRAPED PAPER FOR WRAPPING TIRES AND OTHER ARTICLES. Registered June 29, 1920. ANGIER MECHANICAL LABORATORIES. Renewed June 29, 1940, to Angier Corporation, Framingham, Mass., a corporation of Massachusetts, assignee.

132,709. **KNOXOUT.** A SOAP. Registered June 29, 1920. HUNTINGTON CHEMICAL COMPANY. Renewed June 29, 1940, to Huntington Laboratories, Incorporated, Huntington, Ind., a corporation of Indiana, by change of name.

132,948. **GATX.** TANK-CARS. Registered July 6, 1920. GENERAL AMERICAN TANK CAR CORPORATION. Renewed July 6, 1940, to General American Transportation Corporation, Chicago, Ill., a corporation of New York, assignee.

133,272. **VIRGINIA BRIGHTS.** CIGARETTES. Registered July 20, 1920. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed July 20, 1940.

133,454. **KING PIN.** SMOKING AND CHEWING TOBACCO AND CIGARETTES. Registered July 27, 1920. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed July 27, 1940.

133,455. **AMERICAN BEAUTY.** CIGARETTES. Registered July 27, 1920. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed July 27, 1940.

133,729. **LUXITE.** UNDERWEAR CONSISTING OF ONE- AND TWO-PIECE TEXTILE KNITTED OR WOVEN UNDERGARMENTS. Registered August 3, 1920. LUXITE SILK PRODUCTS CO. Renewed August 3, 1940, to Holeproof Hosiery Co., Milwaukee, Wis., a corporation of Wisconsin, assignee.

133,773. **VALQUA.** CERTAIN NAMED BELTINGS, LACINGS, VALVE-DISK PACKINGS, AND RUBBER HOSE. Registered August 3, 1920. PACIFIC MILL AND MINE SUPPLY COMPANY, San Francisco, Calif. Renewed August 3, 1940, to Pacific Mill and Mine Supply Company Inc., Los Angeles, Calif., a corporation of California, assignee.

133,792. **REMINGTON U M C.** CERTAIN NAMED EXPLOSIVES, FIREARMS, AND PROJECTILES. Registered August 3, 1920. REMINGTON ARMS COMPANY, INC., New York, N. Y., as assignee of The Remington Arms Union Metallic Cartridge Co. Inc., Bridgeport, Conn., Ilion, N. Y., Swanton, Vt., Hoboken, N. J., and New York, N. Y. Renewed August 3, 1940, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware, assignee.

133,892. **A, ETC.** CERTAIN NAMED ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. Registered August 10, 1920. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y., a corporation of New York. Renewed August 10, 1940.

134,160. **BURNS.** MACHINERY AND PARTS THEREOF. Registered August 17, 1920. JABEZ BURNS & SONS. Renewed August 17, 1940, to Jabez Burns & Sons, Inc., New York, N. Y., a corporation of New York, assignee.

134,200. **WARDWELLIAN.** BRAIDING-MACHINES AND PARTS THEREOF. Registered August 17, 1920. WARDWELL BRAIDING MACHINE COMPANY, Central Falls, R. I., a corporation of Maine. Renewed August 17, 1940.

134,344. **WATERBUCK.** WATERPROOF AND NON-WATERPROOF COATS, SLICKERS; APRONS, EXCLUDING DENTAL, MEDICAL, AND SURGICAL APRONS; PONCHOS, HATS, OVERALLS, PANTS, AND LEGGINGS. Registered August 31, 1920. JAMES T. CARADINE. Renewed August 31, 1940, to Caradine Hat Company, St. Louis, Mo., a corporation of Missouri, assignee.

134,531. **REPRESENTATION OF A SHIELD.** DISINFECTANTS, INSECTICIDES, AND GERMICIDES. Registered September 7, 1920. ROCHESTER GERMICIDE COMPANY, Rochester, N. Y., a corporation of New York. Renewed September 7, 1940.

134,544. **CACTUS.** POLISH FOR THE FINISH ON PIANOS FURNITURE, AUTOMOBILES, AND POLISHED FLOORS. Registered September 7, 1920. LESLIE M. THORNTON. Renewed September 7, 1940, to L. M. Thornton Manufacturing Company, Kansas City, Mo., a corporation of Missouri, successor.

134,607. **THE CATHOLIC NEWS.** WEEKLY NEWSPAPER. Registered September 14, 1920. THE CATHOLIC NEWS PUBLISHING COMPANY, New York, N. Y., a corporation of New York. Renewed September 14, 1940.

134,647. **FISCHER.** PIANOFORTES, GRAND AND UPRIGHT PIANOS, AND GRAND AND UPRIGHT PLAYER-PIANOS. Registered September 14, 1920. J. & C. FISCHER. Renewed September 14, 1940, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

134,707. **ARCHNU.** HIGH-TEMPERATURE CEMENT FOR THE CONSTRUCTION AND REPAIR OF FURNACES. Registered September 14, 1920. LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed September 14, 1940.

134,738. **MEHLIN.** PIANOS. Registered September 14, 1920. PAUL G. MEHLIN & SONS, New York, N. Y. Renewed September 14, 1940, to Paul G. Mehlin & Sons, Cresskill, N. J., a corporation of New York.

134,750. **NUFASHOND.** CERTAIN NAMED NOTIONS. Registered September 14, 1920. THE NARROW FABRIC CO., Wyomissing Borough, near Reading, Pa. Renewed September 14, 1940, to The Narrow Fabric Company, Reading, Pa., a corporation of Pennsylvania.

134,773. **BOB WHITE.** SOAP. Registered September 14, 1920. THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed September 14, 1940.

134,851. **WISCO.** ATHLETIC SHOES. Registered September 14, 1920. WISCONSIN SHOE COMPANY, Milwaukee, Wis., a firm. Renewed September 14, 1940.

134,877. **A, ETC.** HARD-RUBBER, PIPE-BITS, HARD-RUBBER CIGAR-HOLDERS, AND HARD-RUBBER CIGARETTE-HOLDERS Registered September 21, 1920. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y., a corporation of New York. Renewed September 21, 1940.

134,911. **THE CLEVELAND IGNITION CO.** IGNITION AND ELECTRIC-LIGHTING SYSTEMS AND MAGNETOS FOR AUTOMOBILES AND REPAIR PARTS THEREFOR. Registered September 21, 1920. THE CLEVELAND IGNITION COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed September 21, 1940.

134,924. **COOPERS.** HOSIERY. Registered September 21, 1920. COOPER UNDERWEAR COMPANY. Renewed September 21, 1940, to Cooper's Incorporated, Kenosha, Wis., a corporation of Wisconsin, assignee by mesne assignments.

134,994. **HOMER'S.** A NON-ALCOHOLIC BEVERAGE. Registered September 21, 1920. LASH'S BITTERS CO., New York, N. Y. Renewed September 21, 1940, to Lash, Inc., Clifton, N. J., a corporation of California, by changes of name.

135,022. **BARBASOL.** A PASTELIKE PREPARATION FOR SHAVING AND SKIN-HEALING PURPOSES. Registered September 21, 1920. THE NAPCO CORPORATION, Renewed September 21, 1940, to The Barbasol Company, Indianapolis, Ind., a corporation of Delaware, assignee.

135,047. **JABON LUNA.** SOAP. Registered September 21, 1920. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed September 21, 1940.

135,077. **KOVERFLOR.** DRY, READY-MIXED, AND PASTE PAINTS AND ENAMEL PAINTS. Registered September 21, 1920. STANDARD VARNISH WORKS, New York, N. Y. Renewed September 21, 1940, to Standard Varnish Works, Staten Island, N. Y., a corporation of New York.

135,099. **PEDIGREE KRAFT.** PAPER BAGS. Registered September 21, 1920. VICTORY BAG & PAPER CO., Marinette, Wis., and Chicago, Ill. Renewed September 21, 1940, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee.

135,159. **DUZ.** SOAP FLAKES FOR LAUNDRY PURPOSES. Registered September 21, 1920. SAMUEL ISAAC WELSHER, New York, N. Y. Renewed September 21, 1940, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee by mesne assignments.

135,165. **WHITE & WYCKHOFF'S.** CERTAIN NAMED PAPER AND STATIONERY. Registered September 21, 1920. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed September 21, 1940.

135,198. **DOUBLE HEADER.** OVERALLS, OVERALL SHIRTS, JACKETS AND PANTS. Registered September 28, 1920. BELL MANUFACTURING COMPANY. Renewed September 28, 1940, to Bellgrade Manufacturing Company, Winder, Ga., a corporation of Georgia, assignee by mesne assignments.

135,250. **GRIFFIN.** SHOE-POLISHES, SHOE-BLACKINGS, SHOE-CLEANSERS, LEATHER-DRESSINGS, LEATHER-PRESERVATIVES, AND METAL-POLISH. Registered September 28, 1920. GRIFFIN MANUFACTURING CO. INC., New York, N. Y., a corporation of New York. Renewed September 28, 1940.

135,302. **REPRESENTATION OF A WHIRLIGIG DESIGN.** BUCKWHEAT PANCAKE-FLOUR, WHEAT CEREAL, PANCAKE-FLOUR, ROLLED OATS, AND HEALTH-BRAN. Registered September 28, 1920. PILLSBURY FLOUR MILLS COMPANY. Renewed September 28, 1940, to Pillsbury Flour Mills Company, Minneapolis, Minn., a corporation of Delaware, assignee.

135,346. **REPRESENTATION OF A MANLIKE FIGURE.** DOLLS, FIGURE TOYS, RATTLES, CONSTRUCTION TOYS, BOWLING GAMES, SEESAWS, DUCK GAMES, TOY BUILDING-BLOCKS. Registered September 28, 1920. THE TOY TINKERS. Renewed September 28, 1940, to The Toy Tinkers, Inc., Evanston, Ill., a corporation of Illinois, assignee.

LABELS

REGISTERED MAY 7, 1940

54,692.—*Title:* THE PERFECT CUT OUT PAPER DOLL HOLDER. For Cutout Paper Doll Holders. CREATIVE TOY COMPANY, Worcester, Mass. Published February 8, 1940.

54,693.—*Title:* DOG KANDY. For a Canine Tidbit Containing Vitamins A, B, D, and G. SIMON GELFAND, doing business as Canine Specialty Co., Los Angeles, Calif. Published April 1, 1939.

54,694.—*Title:* AUNT HATTIE'S BREAD. For Bread. THE W. E. LONG CO., Chicago, Ill. Published April 1, 1940.

54,695.—*Title:* HOLSUM BREAD. For Bread. THE W. E. LONG CO., Chicago, Ill. Published March 22, 1940.

54,696.—*Title:* PAUL'S. For Shoes. FRANK C. MEYER CO. INC., New York, N. Y. Published January 2, 1940.

54,697.—*Title:* UNION TOWN. For Straight Bourbon Whiskey. PENNSYLVANIA DISTILLING COMPANY, INC., Philadelphia, Pa. Published March 14, 1940.

54,698.—*Title:* HONEY WHEAT. For Bread. SCHULZE BAKING COMPANY, Kansas City, Mo. Published March 15, 1940.

54,699.—*Title:* CHASE & SANBORN DATED COFFEE. For Coffee (Drip Grind). STANDARD BRANDS INCORPORATED, New York, N. Y. Published February 9, 1940.

54,700.—*Title:* CHASE & SANBORN DATED COFFEE. For Coffee (Regular Grind). STANDARD BRANDS INCORPORATED, New York, N. Y. Published February 9, 1940.

54,701.—*Title:* CHASE & SANBORN "FRIENDSHIP IN A CUP" COFFEE. For Coffee (Drip Grind). STANDARD BRANDS INCORPORATED, New York, N. Y. Published February 9, 1940.

54,702.—*Title:* CHASE & SANBORN "FRIENDSHIP IN A CUP" COFFEE. For Coffee (Regular Grind). STANDARD BRANDS INCORPORATED, New York, N. Y. Published February 9, 1940.

54,703.—*Title:* TOVAR. For Varnish. THE TOVAR CORPORATION, St. Petersburg, Fla. Published March 4, 1940.

LABELS RENEWED

16,426. **"ROKEACH'S KOSHER SCOURING POWDER".** SCOURING POWDER. Registered June 25, 1912. I. ROKEACH & SONS, INC., Brooklyn, N. Y., a corporation of New York. Renewed May 24, 1940.

PRINTS

REGISTERED MAY 7, 1940

17,950.—*Title:* BELIEVE IT OR NOT! DEATH WINS AT ROULETTE. For Coal. BELIEVE IT OR NOT, INC., Mamaroneck, N. Y. Published February 27, 1940.

17,951.—*Title:* BELIEVE IT OR NOT! MIRACLE OF ARMENTIERES. For Coal. BELIEVE IT OR NOT, INC., Mamaroneck, N. Y. Published February 27, 1940.

17,952.—*Title:* BELIEVE IT OR NOT! THE MAN WHOSE FREEDOM HUNG BY A HAIR. For Coal. BELIEVE IT OR NOT, INC., Mamaroneck, N. Y. Published February 27, 1940.

17,953.—*Title:* BELIEVE IT OR NOT! THE $6,000,000 TOOTH. For Coal. BELIEVE IT OR NOT, INC., Mamaroneck, N. Y. Published February 27, 1940.

17,954.—*Title:* BELIEVE IT OR NOT! THE WEIRD ALPINE DEATH MYSTERY. For Coal. BELIEVE IT OR NOT, INC., Mamaroneck, N. Y. Published February 27, 1940.

17,955.—*Title:* MARATHON BRAND. For Seeds and Feeds. CEREAL MILLS COMPANY, Wausau, Wis. Published February 22, 1940.

17,956.—*Title:* ENGLISH BREAKFAST MARMALADE JAR. For a Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published March 24, 1940.

REISSUES

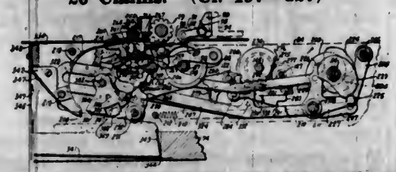
MAY 7, 1940

21,442
CASH REGISTER AND ACCOUNTING MACHINE

John Earl Gates, Oakwood, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original No. 2,178,339, dated October 31, 1939, Serial No. 190,380, February 14, 1938. Application for reissue December 30, 1939, Serial No. 311,923

26 Claims. (Cl. 197—127)



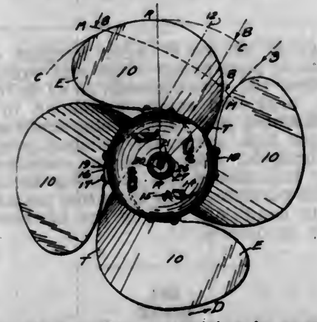
1. In a machine of the class described, the combination of means to make impressions on record material; means to feed the record material to the printing line and reversely feed the same; another feeding means to feed said record material in the last mentioned direction; ejecting means to eject the record material from the machine after it has been fed by the last mentioned feeding means; and means to control the effectivity of both feeding means and the ejecting means.

21,443
AIR IMPELLER

Alfred C. Gilbert, Hamden, and John Lanz, New Haven, Conn., assignors to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland

Original No. 2,022,417, dated November 26, 1935, Serial No. 6,156, February 12, 1935. Application for reissue November 26, 1937, Serial No. 176,700

31 Claims. (Cl. 170—159)



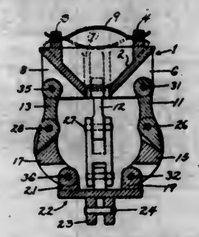
1. An air impeller comprising in combination, a dome-shaped hub and more than one sheet-like blade, each blade being flexed to conform substantially with the curved surface of a cone and so mounted on said hub that an element of the cone which passes through a portion of the blade near its entering end lies in a plane substantially parallel with a plane containing the axis of rotation of the hub.

21,444
APPARATUS FOR SHOOTING WELLS

Orland C. Mays, Kermit, Tex.

Original No. 2,108,174, dated February 15, 1938, Serial No. 96,182, August 15, 1936. Application for reissue February 14, 1940, Serial No. 318,960

9 Claims. (Cl. 102—4)



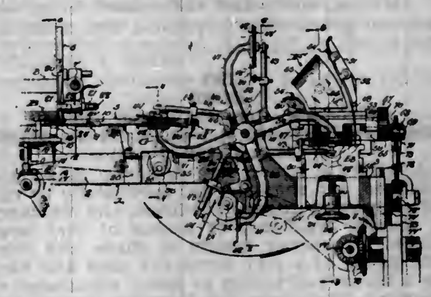
8. An arrangement for shooting oil-wells consisting of a string of explosive charges connected together, a self-acting anchor means between certain of said charges in said string, whereby when the lowermost charges seat on an obstruction the weight of charges in said string above said anchor will automatically cause said anchor to operate to relieve the charges below said anchor from the weight of the charges thereabove.

21,445
BOX-FORMING MACHINE

Marshall A. Waters, River Forest, Ill., assignor to Mary R. Claff and C. Lloyd Claff, trustees

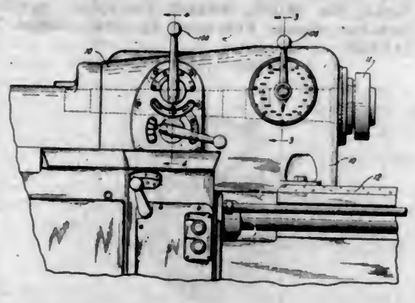
Original No. 2,077,913, dated April 20, 1937, Serial No. 27,876, June 22, 1935. Application for reissue April 18, 1939, Serial No. 268,637

16 Claims. (Cl. 93—44.1)



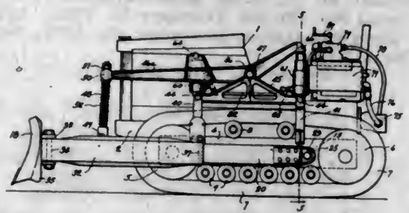
1. In a box-forming machine, a feeding mechanism, a magazine positioned above the feeding mechanism for receiving a stack of paper blanks, means for separating the lowermost blank from the stack and delivering the same to the feeding means, means for applying adhesive to portions of the blank, a rotary carrier for receiving said blanks, means for actuating the conveyor step-by-step, and means for engaging the blanks while on the carrier to form the same into completed boxes.

21,446
LATHE
Alexander G. Whitehead, East Hartford, and Robert R. Raber, West Hartford, Conn., assignors, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y., a corporation of New Jersey
Original No. 2,167,790, dated August 1, 1939, Serial No. 30,302, July 8, 1935. Application for reissue January 15, 1940, Serial No. 314,494
20 Claims. (Cl. 82—29)



1. In a hydraulic speed changing system for machine tools having a spindle and driving means therefor including a plurality of members to be shifted to change the speed of said spindle, the combination of shifting members therefor each having a piston thereon, cylinders within which said pistons operate, a source of fluid under pressure, a distributing system for said fluid including a main distributing valve movable to different positions for the different speeds of said spindle, a manually controlled valve controlling operation of said spindle driving means and also controlling movement of said shifting members when said distributing valve is moved to different positions, and means preventing movement of said manually controlled valve while said members are being shifted.

21,447
BULLDOZER
George S. Allin, Seattle, Wash., assignor, by mesne assignments, to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Original No. 2,125,481, dated August 2, 1938, Serial No. 699,759, November 25, 1933. Application for reissue October 2, 1939, Serial No. 297,599
12 Claims. (Cl. 37—144)



8. In a machine of the character described including a tractor, push beams pivotally connected to the tractor and a road implement carried by the push beams, the improvement which comprises fluid pressure rams operatively connecting the push beams and the tractor, means for supplying fluid under pressure to the ram cylinders for positively moving the implement up and down relative to the tractor, said ram cylinders being communicatively interconnected to uniformly distribute fluid pressure therein and thereby effect equalization of pressures during both up and down positive movement of the implement irrespective of movement of the tractor in going over uneven ground and a single valve for controlling the supply of fluid to all of said ram cylinders.

PLANT PATENTS

GRANTED MAY 7, 1940

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

385
ROSE
Michael H. Horvath, Mentor, Ohio
Application December 7, 1939, Serial No. 308,038
1 Claim. (Cl. 47—61)

A variety of hybrid rose as herein shown and described, and characterized particularly by vigourous growth, extreme hardiness, and resistance to disease, prolificacy of blooms of very large flowers of superior beauty in shape and color with petals of a very distinctive pink and having a silvery reflex color or sheen, consistency of blooming throughout the blooming period, and the persistence of petals and stability of the color, in cut and uncut condition.

386
ROSE
Michael H. Horvath, Mentor, Ohio
Application December 7, 1939, Serial No. 308,039
1 Claim. (Cl. 47—61)

A rose variety as herein shown and described and characterized principally by its exceptional prolificacy of blooms of large compact clusters of flowers of pure glossy white and which completely cover the entire growth so as to resemble a single large and compact bouquet of glossy white blossoms, and further characterized by a pronounced briar scent, shell shaped petals with slightly irregular cristate edges; consistency of blooming throughout the blooming period, the purity and permanence of the white petals in cut and uncut condition, and by the hardiness and resistance to disease.

387
ROSE
Michael H. Horvath, Mentor, Ohio
Application December 13, 1939, Serial No. 309,067
1 Claim. (Cl. 47—61)

A variety of hybrid rose as herein shown and described, and characterized particularly by very large flowers of great beauty in shape and color, with petals of brilliant and intense salvia and of which the color increases in intensity throughout the blooming period, the lasting qualities of the foliage which is sound to the end of the season and very resistant to black-spot, mildew and diseases generally.

388
APPLE TREE
Wrixhem M. McIlvaine, deceased, late of Magnolia, Del., by J. Ralph McIlvaine, Magnolia, Del., and Vernon M. Barnett, Chestertown, Md., administrators, assignors to Bountiful Ridge Nurseries, Princess Anne, Md.
Application September 8, 1939, Serial No. 294,030
1 Claim. (Cl. 47—62)

A new and distinct variety of apple three characterized as to novelty by its early ripening and annual bearing habits; the large size, unusual shape, and clear distinct green color of its fruit; the splendid cooking and eating qualities, and the excellent shipping quality of said fruit.

389
ROSE
Charles B. Hansen, Ontario, Calif.
Application May 25, 1939, Serial No. 275,750
1 Claim. (Cl. 47—61)

A new and useful variety of hybrid tea rose, substantially as shown and described, characterized particularly by its low, spreading growth; its prolific production of blossoms; its resistance to disease; and its large variegated blossoms of Rose to Tyrian Rose with radial stripings and splashings of Cream to Maize Yellow.

390
CHRYSANTHEMUM PLANT
John Franklin Styer, Concordville, Pa.
Application June 20, 1939, Serial No. 280,172
1 Claim. (Cl. 47—60)

A new and distinct variety of perennial chrysanthemum substantially as shown and described, characterized particularly by its vigor and hardiness; its compact globe shape, its blossoms of Amber Yellow to Apricot Yellow, with high large yellow cushion-center; and its unusual crown growth which enables it to normally produce flowers in the spring as well as in the fall.

391
CHRYSANTHEMUM PLANT
John Franklin Styer, Concordville, Pa.
Application June 23, 1939, Serial No. 280,869
1 Claim. (Cl. 47—60)

A new and distinct variety of perennial chrysanthemum substantially as shown and described, characterized particularly by its vigor and hardiness; its dense and compact mound shape; its unusual crown growth which enables it to normally produce flowers in the spring as well as in the fall; and its Straw Yellow to Empire Yellow blossoms differing in size and color in the spring and fall seasons.

392
CHRYSANTHEMUM PLANT
John Franklin Styer, Concordville, Pa.
Application July 11, 1939, Serial No. 283,886
1 Claim. (Cl. 47—60)

A new and distinct variety of perennial chrysanthemum substantially as shown and described, characterized particularly by its vigor and hardiness; its free-blooming habit; its well-balanced globe shape; its finely cut leaves; its unusual crown growth which enables it to normally produce flowers in the spring as well as in the fall; and its blossoms with narrow, lacy rayflowers, the color of which is Salmon to Ferruginous in the fall and lighter tints of the same colors in the spring.

393
ROSE
George C. Thomas, Jr., deceased, late of Beverly Hills, Calif., by Josephine Moorhead Thomas Gardner and George C. Thomas, 3rd, executors, Beverly Hills, Calif., assignors to Armstrong Nurseries, Ontario, Calif.
Application May 25, 1939, Serial No. 275,758
1 Claim. (Cl. 47—61)

A new and useful variety of hybrid tea rose substantially as herein shown and described, characterized particularly by its everblooming habit; its heavy, glossy, disease-proof, evergreen foliage persistent throughout the year in mild climates; its vigorous climbing or pillar growth habit; and its single, five-petaled Empire Yellow to Cream Color blossoms with stamens of Vinaceous-Purple.

394
ROSE PLANT
Theodore J. Morris, Van Nuys, Calif., assignor to Western Rose Co., San Fernando, Calif., a copartnership composed of Albert B. Morris and Theodore J. Morris
Application September 2, 1939, Serial No. 293,158
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant characterized as to novelty by its climbing habit, substantially as set forth.

PATENTS

GRANTED MAY 7, 1940

2,199,379

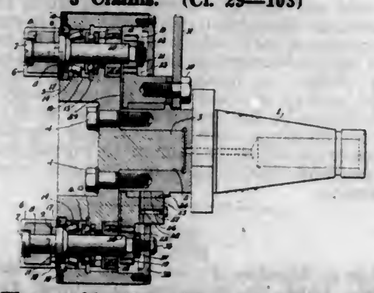
ROTARY CUTTING TOOL

Torsten Gunnar Törnebohm, Katrineholm, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden

Application June 18, 1938, Serial No. 214,425

In Sweden July 1, 1937

3 Claims. (Cl. 29—103)



1. The combination with a rotatable tool head, of means for its attachment to a rotary spindle, the said head carrying a number of tools which are rotatable and revolvable on the same plane, and means carried by the head for rotating the tools as they revolve.

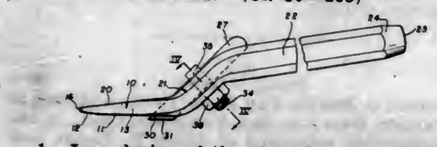
2,199,380

METAL PANEL CUTTER

George M. Walraven, Kenosha, Wis., assignor to Snap-On Tools, Inc., Kenosha, Wis., a corporation of Delaware

Application July 6, 1937, Serial No. 152,067

4 Claims. (Cl. 30—168)



1. In a device of the character described, the combination with an elongated member having a furcated flat bottom surface for traversing over a surface to be slitted, of an upwardly inclined handle member formed on said elongated surface member, a surface slitting tool mounted between the furcations of said surface member, slotted means for receiving and adjustably mounting said slitting tool relative to said flat surface member, and fastener means for said slotted means so that the cutting edge thereof is adjustably disposed below the flat bottom surface of said elongated member for slitting responsive to movement imparted through said handle member with the flat surface of said first named elongated member in contact with the surface to be slitted.

2,199,381

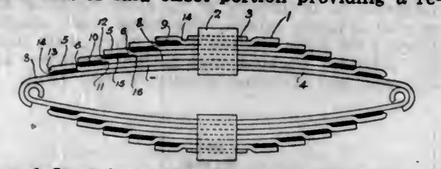
ELLIPTIC SPRING

Theodore R. Weber, Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application February 16, 1939, Serial No. 256,650

5 Claims. (Cl. 267—47)

1. A multi-leaf spring comprising a leaf; another leaf disposed outwardly from said first mentioned leaf and in frictional engagement therewith, having a main portion, an offset portion and an outwardly extending portion connecting said main and offset portions, said offset portion being spaced from said first mentioned leaf and said first mentioned leaf having an outwardly extending portion directed toward the outer end of said offset portion providing a re-



cess defined by said outwardly extending portions, said offset portion and the portion of said first mentioned leaf opposed to said offset portion; and a resilient insert disposed in said recess, said insert being held under compression between said leaves limiting the pressure with which said leaves engage each other and thereby controlling the friction of said leaves during flexing of said spring.

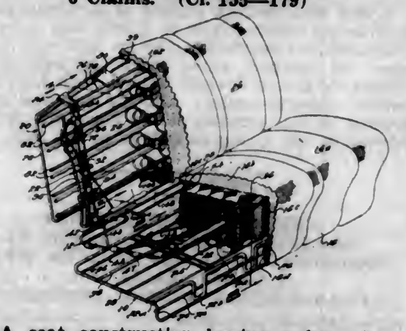
2,199,382

SEAT CONSTRUCTION

Charles H. Widman, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application November 11, 1937, Serial No. 173,977

6 Claims. (Cl. 155—179)



1. A seat construction having a base frame member formed of a substantially continuous length of rod-like stock extending around the marginal edge of the frame, said stock being laterally bent from the general plane of the frame along at least a portion thereof to form a flange, and a reinforcing element connected to said frame member so as to span said deflected part.

2,199,383

CUTTING TOOL

Frank E. Aurand, Jr., Cincinnati, Ohio, assignor to Ethel M. Aurand, Oak Park, Ill.

Application May 27, 1938, Serial No. 210,334

12 Claims. (Cl. 29—81)

1. In a cutting tool, a body portion, a journal member carried thereby, a cutting member disposed about said journal member for relative movement substantially perpendicular thereto,



and shock absorbing means disposed substantially concentrically about and spaced from said journal member radially thereof.

2,199,384

CALCINING APPARATUS

Victor J. Azbe, Webster Groves, Mo.

Application February 26, 1938, Serial No. 192,674

22 Claims. (Cl. 263—29)



1. In a kiln having a charging inlet, means providing a storage zone within said charging inlet, conduit means for drawing off gases at the bottom of said storage zone, a second conduit means adjacent said inlet for drawing off gases at the top of the storage zone, both of said conduit means being joined, suction means for drawing gases through both of the conduits, and auxiliary suction means adapted to draw gas from the conduit connecting with the upper portion of said storage zone.

2,199,385

COMPOSITION OF MATTER

Shailer L. Bass, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application December 14, 1937, Serial No. 179,743

3 Claims. (Cl. 134—79)

1. A composition of matter, substantially free from components which are volatile at room temperature, consisting essentially of a liquid organic phosphate having a vapor pressure of less than 20 millimeters at 200° C., and as a thickening agent therefor from about 0.5 to 10 per cent of a cellulose derivative having only organic substituents dissolved in said phosphate, the amount of said organic derivative of cellulose being selected so that the composition is substantially permanently tacky and non-flowable at room temperature, the composition being adapted to use as a coating for air-filters.

2,199,386

GRANULAR ARTICLE CONTAINING CELLULOSE ETHERS AND SHELLAC

Shailer L. Bass and Earle L. Kropscott, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application March 23, 1939, Serial No. 263,895

6 Claims. (Cl. 106—40)

1. The method which consists in adding a concentrated solution of shellac in a water-miscible solvent for shellac to an aqueous suspension of a water-wet, water-insoluble lower alkyl ether of cellulose, while vigorously agitating the said aqueous suspension, thereby to produce a free-flowing granular article which, when dry, is characterized by uniformity of composition and ease of solubility in lacquer solvents.

2,199,387

THERMOSTATIC SWITCH

John D. Bolesky, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

Application August 9, 1937, Serial No. 158,107

4 Claims. (Cl. 200—138)



1. A thermostatic electric switch comprising a base, a snap-acting thermostatic plate mounted on said base, and a skirt upstanding from said base and enclosing said thermostatic plate, said skirt fitting close to the periphery of the plate, whereby a pressure chamber is formed between the thermostatic plate and the base, and at least one electrical contact member mounted on said base and at least another contact member mounted on said thermostatic plate, in the pressure chamber thus provided.

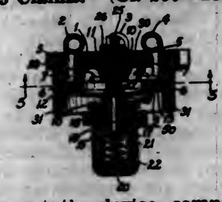
2,199,388

THERMOSTATIC DEVICE

John D. Bolesky, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

Application February 7, 1938, Serial No. 189,075

5 Claims. (Cl. 200—138)



1. A thermostatic device comprising a base member, supporting means mounted thereon, a snap-acting thermostat mounted on said supporting means and spaced from said base member, said thermostat having two oppositely facing positions of stability in one of which positions it is located relatively closer to said base member, said thermostat passing automatically from its said closer position to its other position upon rise of temperature to a predetermined value, but being incapable, under normal temperature variations, of returning to its said closer position

automatically upon subsequent drop of temperature, manually operable means movably mounted with relation to said base member to react against said thermostat, spring means urging said manual means to an extended position away from said thermostat, said manual means including means adapted to bear upon the surface of said thermostat when said thermostat is in its said other position and said manual means is actuated against said spring means, and to urge said thermostat towards its said closer position, and means limiting the movement of said manual means toward said thermostat so that said bearing means is incapable of holding the thermostat in its closer position, whereby said thermostat is completely trip-free of said manual means.

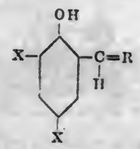
2,199,389

NITRO-SALICYLIDENE COMPOUNDS

Edgar C. Britton and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application June 17, 1937, Serial No. 148,734
5 Claims. (Cl. 260—622)

1. A nitrosalicylidene compound having the formula



wherein one X is a nitro group, the other X is a member of the class consisting of hydrogen and the nitro group, and R is a radical of a compound selected from the class consisting of hydrocarbons and esters containing an active methylene group, and alpha-methyl ketones; the said radical R being obtained by removing from said compound two reactive hydrogens from the single carbon atom in the characterizing group consisting of one of the said methylene and alpha-methyl groups.

2,199,390

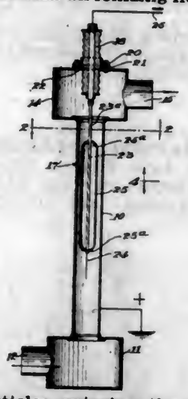
ELECTRICAL PRECIPITATION

Evald Anderson, San Marino, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a corporation of California

Application November 23, 1937, Serial No. 176,116
7 Claims. (Cl. 183—7)

1. The method of electrically precipitating from a stream of gas particles of foreign matter suspended in the gas stream, that includes passing the gas stream through an electric ionizing field in which the particles are electrically charged, next passing the gas stream through an electrostatic precipitating field which is substantially free from electric discharge and in which charged particles are precipitated from the gas stream, and finally passing the gas stream through another electric ionizing field in which any suspended particles are both charged and precipitated, the several fields being spatially-separate from each other.

4. In electric precipitation apparatus through which flows a stream of gas carrying suspended particles to be precipitated, the combination of a first pair of electrodes of which one is a discharging electrode and which are adapted to maintain an electric field of an ionizing character that charges the suspended particles as they move through the field; a second pair of non-discharging electrodes positioned beyond the first in the direction of gas flow, the electrodes of the second pair being adapted to maintain a substantially non-discharging precipitating field that precipitates on one of the electrodes charged particles as the gas stream passes through the precipitating field; a third pair of electrodes similar to the first pair but positioned beyond the second pair in the direction of gas flow and adapted to maintain an ionizing field that charges



suspended particles entering the field and precipitates them on one electrode of the third pair, said three pairs of electrodes being arranged successively in the direction of gas flow with the last mentioned field the final field entered by the gas stream while flowing through the precipitation apparatus; and means for moving the gas stream past the second pair of electrodes at a velocity sufficient to redisperse in the gas stream particles once precipitated on said one of the second pair of electrodes.

2,199,391

PROCESS OF GOLD REFINING

Samuel J. Blaut, Mount Vernon, N. Y.

No Drawing. Application October 25, 1935, Serial No. 46,737
14 Claims. (Cl. 204—57)

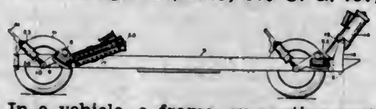
1. The method of parting a gold bullion anode of any purity which comprises electrolytically dissolving the gold in an electrolytic bath initially comprising commercial concentrated HCl free of gold salts.

2,199,392

VEHICLE

August Dabrasky, Washington, D. C.

Application March 27, 1939, Serial No. 264,346
11 Claims. (Cl. 267—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



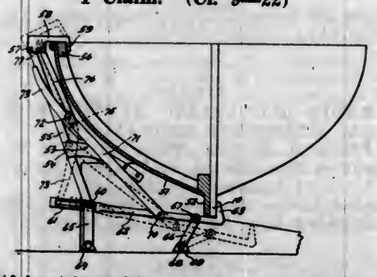
1. In a vehicle, a frame, supporting units for the frame each including a crank rotatably mounted on the frame and having a raised and a lowered position relative to the frame, a wheel on the crank, a projection on the crank and having an arcuate guide, a cylinder pivotally mounted on the frame, a spring in the cylinder, a piston in the cylinder and acted on by the spring, said piston having an outer end engaging the arcuate guide of the projection and manually movable up the guide in a vertical direction to cross the pivotal axis of the crank arm when the crank arm is in lowered position, a resilient buffer for each crank pivotally mounted on the frame and means for moving the buffer into and out of engagement with the crank.

2,199,393

LIFEBOAT LAUNCHING AND RELEASING DEVICE

James T. Dahl, Seattle, Wash., assignor of twenty-five per cent to William E. Lovell, Winslow, Wash.

Application August 8, 1938, Serial No. 223,685
1 Claim. (Cl. 9—22)



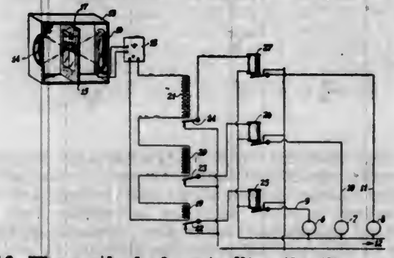
A lifeboat launching device comprising a chock seating the keel and one side of said lifeboat, a bracket fixed to said chock, a post carried by said bracket, a gunwale latch pivotally connected to the upper end of said post for engagement with the gunwale of the lifeboat, a keel latch bar slidably mounted on the lower end of said post and engaging the keel, a linkage mechanism operatively connecting said gunwale latch and said keel latch bar, an operating handle for said linkage mechanism, said linkage mechanism comprising an upper control link pivotally connected at its upper end to said gunwale latch and a lower control link pivotally connected at its lower end to said keel latch bar, the lower control link being pivotally connected at its upper end to an intermediate portion of said handle, the upper control link being pivotally connected at its lower end to an end portion of said handle at a point below the pivotal connection of said lower control link thereto, the arrangement of said control links and handle being such that a downward movement of said handle will impart an upward movement of the upper control link and a downward movement of the lower control link.

2,199,394

LIGHT CONTROL SYSTEM

Leon Dewan, New York, N. Y.

Application July 22, 1938, Serial No. 220,652
17 Claims. (Cl. 250—41.5)



16. The method of controlling the illumination in a room consisting of focussing an image, selecting portions of the image and rejecting others and impressing the selected portions of the image upon a photosensitive device to control the illumination of a lamp in the room.

2,199,395

MAKE-UP CAP

Audrey E. Dixon, San Francisco, Calif.

Application November 10, 1938, Serial No. 239,862
2 Claims. (Cl. 132—49)



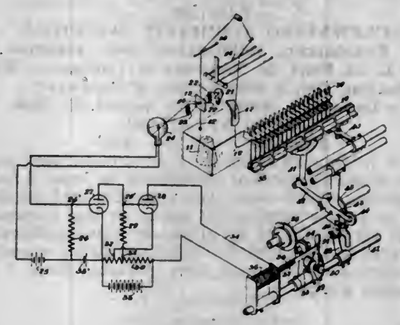
1. A make-up cap comprising a member constructed and arranged to fit upon the head of a person over the hair, the marginal portions of the member being formed to substantially conform to the hair line, a substantially rigid ring-like member secured to the lower portion of the member at one side thereof, a relatively broad strap having a loop at one end through which the ring-like member is freely threaded, and coacting means carried by the opposite end portion of the strap and the opposite lower portion of the member for detachably holding the strap in supporting position under the chin of the person or across the nape of the neck.

2,199,396

SYSTEM FOR CONTROLLING KNITTING

William Dubilier, New Rochelle, N. Y.

Application September 27, 1934, Serial No. 745,705
18 Claims. (Cl. 66—82)



7. In a knitting machine, the combination with yarn feeding and knitting instrumentalities for forming a series of succeeding courses of similarly formed loops of normally uniform size, of a device for measuring variations in the amount of light admitted through a fixed aperture past the feeding yarn, means for varying the size of the loops formed from said feeding yarn, and means controlled by said measuring device for actuating said loop varying means to form larger loops

from portions of said feeding yarn admitting a relatively small amount of light, and to form smaller loops from portions of said feeding yarn admitting a relatively large amount of light through said aperture.

2,199,397
SURFACE ACTIVE MATERIAL
Max Engelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 22, 1937, Serial No. 165,078
16 Claims. (Cl. 260—501)

1. A process for producing surface active products which comprises reacting a tertiary amine with a mixture of straight chain oxygen-containing aliphatic acids containing at least six carbon atoms in which the acid radicals are taken from the group consisting of carboxylic, sulfuric, sulfonic, phosphoric and boric, said acids having substituted thereon more than one halogen atom replacing hydrogen atoms per molecule of acid, one of said halogen atoms being located in alpha position with respect to the acid group of the acid.

2,199,398
PROCESS OF SULPHATION
Max Engelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 27, 1938, Serial No. 227,062
7 Claims. (Cl. 260—400)

1. A method of sulphating a saturated aliphatic compound which contains at least 8 carbon atoms and a hydroxyl group attached to a secondary carbon atom which comprises reacting said aliphatic compound with a strong sulphating agent in the presence of an alkyl ester of an aliphatic monocarboxylic acid containing from 1 to 8 carbon atoms wherein the alkyl group in said ester contains from 1 to 8 carbon atoms.

2,199,399
SULPHATING ALIPHATIC ALCOHOLS
Max Engelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 27, 1938, Serial No. 227,063
3 Claims. (Cl. 260—459)

1. A method of sulphating an unsaturated primary aliphatic alcohol containing at least 8 carbon atoms which comprises reacting said alcohol with a strong sulphating agent in the presence of an alkyl ester of an aliphatic monocarboxylic acid containing from 1 to 8 carbon atoms wherein the alkyl group in said ester contains from 1 to 8 carbon atoms.

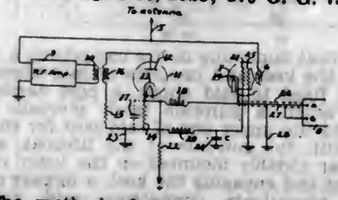
2,199,400
FABRIC CONSTRUCTION
Ernest C. Geier, White Plains, N. Y., and John Haesler, Teaneck, N. J., assignors to Duplan Silk Corporation, New York, N. Y., a corporation of Delaware
Application September 22, 1938, Serial No. 231,156
4 Claims. (Cl. 57—140)

1. For use in making a woven fabric having a relatively soft texture and a wooly or tweedy hand or feel, a yarn construction comprising a low twist combination of a 100 denier, 60 filament, 55 right twist bright viscose rayon and an



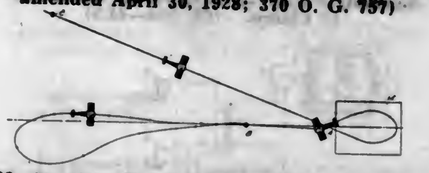
abraded 150 denier, 40 filament between 2½ and 10 right twist cellulose acetate.

2,199,401
RADIO DECOUPLING SYSTEM FOR EXCESSIVE AMPLITUDES
Philip M. Haffcke, Washington, D. C.
Application November 2, 1937, Serial No. 172,398
8 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



8. The method of suppressing excessive amplitudes affected received radio energy, which comprises the steps of collecting signal energy, deriving a rectified controlling potential from impulses of excessive amplitude accompanying said signal energy, applying said potential to said collected energy before frequency selective transfer of said energy for amplification to reduce the frequency selected transferred energy in accordance with the magnitude of the applied potential, and amplifying the transferred energy as modified by the application of said potential.

2,199,402
RADIO SYSTEM AND METHOD OF NAVIGATION
Albert F. Hegenberger, Dayton, Ohio
Application January 12, 1935, Serial No. 2,887
26 Claims. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



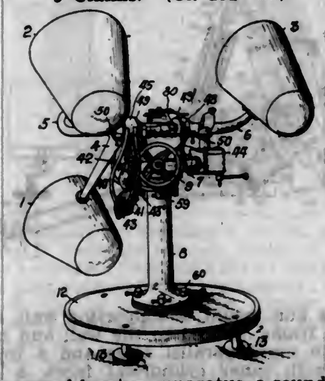
23. An aircraft blind navigation and landing system comprising in combination, a radio transmitting station located at a position spaced from the desired landing point on a landing field a distance dependent upon the desired gliding angle of the aircraft and the altitude at which the aircraft may assume said desired gliding

angle, said station being operative to indicate to said aircraft the position in flight at which said gliding angle is to be commenced at the said altitude for landing at said point, and a radio compass receiver carried by the aircraft and having an indicator operative from a zero to a right or left position for visually indicating the direction of said transmitting station with respect to the position of the aircraft, said indicator being operative in response to a turning of the aircraft to reverse its direction of reading upon the aircraft passing by the radio transmitter for determining said position in flight from which to glide blind at said desired gliding angle to said landing point independently of any visual observation of said landing field.

2,199,403
SULPHATES OF UNSATURATED ALCOHOLS
Clyde Overbeck Henke, Wilmington, Del., and Frank McGrew Schofield, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 7, 1939, Serial No. 283,190
3 Claims. (Cl. 260—459)

1. Long chain normal primary alkenyl sulphates selected from the group consisting of myristoleyl sulphate and palmitoleyl sulphate.

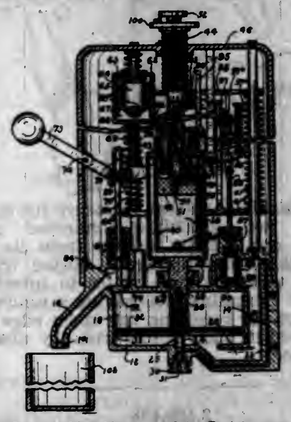
2,199,404
SOUND LOCATOR APPARATUS
Frank R. House, Baldwin Harbor, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 13, 1937, Serial No. 168,704
9 Claims. (Cl. 181—26)



1. In sound locator apparatus, a sound receiver having a compound sound conduit member consisting of a forward portion of conical shape and a rear portion of exponential shape, insulating means completely enclosing said sound conduit member with the exception of its forward open end, and a resilient mounting interposed between said conduit member and said enclosing means, whereby sound vibrations of the apparatus are prevented from being transmitted to the conduit member.

2,199,405
BEER MEASURING AND DISPENSING DEVICE
Thomas A. Hutsell, Seattle, Wash., assignor to Barmaster, Inc., Seattle, Wash., a corporation of Washington
Application December 17, 1937, Serial No. 180,430
6 Claims. (Cl. 225—5)

1. In a device for measuring and dispensing gas-charged liquids the combination of a metering chamber; a measuring piston disposed in said chamber for movement along a vertical axis; a liquid supply line; an intake valve communicating with the metering chamber above said piston; a by-pass connecting the chamber below said piston with the intake valve; a discharge valve located in the uppermost portion of said chamber; a fluid controlled retarding means for controlling the upward movement of said piston;



means for adjusting said fluid control means adapted to predetermine the maximum travel of said measuring piston and the rate of such travel; compression springs disposed to urge the measuring piston downwardly and a second fluid control means adapted to effect the timing of the operation of said first fluid control means; and a manual control handle suitably connected to operate the intake valve, the second named fluid control means and the discharge valve automatically in proper phase relationship.

2,199,406
TEA BAG
Olga Jabion, New York, N. Y.
Application April 3, 1939, Serial No. 265,676
7 Claims. (Cl. 99—77.1)



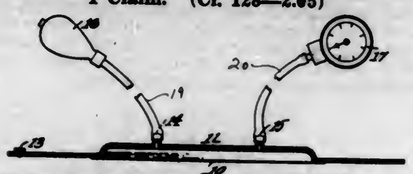
1. An article comprising in combination, a tea bag, a receiving element for said bag constituting a protective shell-like element therefor when the bag is lodged thereon, and a string-like element interconnecting said tea bag and said receiving element and adapted to be placed in a manner to hold said tea bag lodged in said receiving element.

2,199,407
MARBLE GAME
Frederick H. King, Detroit, Mich.
Application October 10, 1938, Serial No. 234,083
10 Claims. (Cl. 273—127)



1. In a marble game, an enclosure for marbles, comprising two separably connected upright plates, one downwardly slotted from its upper edge and the other upwardly slotted from its lower edge, to adapt such plates to interfit, the downwardly extending slot having a notch in its upper portion for receiving the upper edge of the plate engaged in such notch, whereby disassembly is resisted.

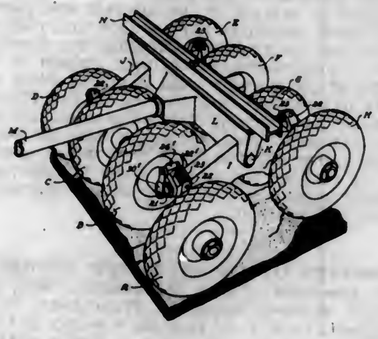
2,199,408
REGISTERING TOURNIQUET APPLICABLE FOR THE DETERMINATION OF BLOOD PRESSURES
Elie J. La Liberte, Worcester, Mass.
Application September 27, 1937, Serial No. 165,860
1 Claim. (Cl. 128—2.05)



As an article of manufacture, an air or fluid bag comprising an inner membrane of very thin material adapted to transmit pulsations from the blood flow and heart beat of the human body to the contents of the bag, said bag having an outer wall of substantially the same width, but of greater thickness and rigidity, spaced from the thin membrane, a nozzle supported in the thicker strip for attaching a bulb to introduce the pressure, and means mounted on the thicker strip for connecting a pressure gauge, said gauge indicating, by the oscillation of its needle, when the veinous flow has stopped, and indicating, by diminishing oscillation, interference with arterial flow and finally, by cessation of oscillation, that the arterial flow has stopped.

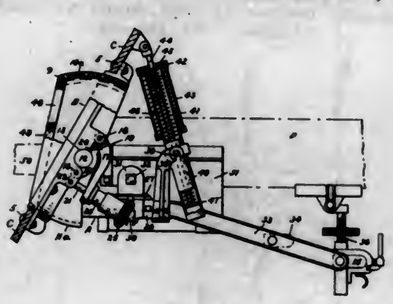
2,199,409
COMPENSATING WHEEL MOUNTING FOR VEHICLES
Glenn L. Larison, La Grande, Oreg.
Application August 5, 1938, Serial No. 223,275
8 Claims. (Cl. 280—81)

8. In a vehicle, a longitudinal member, a pair of wheel-carrying assemblies, a horizontal wheel-spindle in each assembly, said wheel-spindles extending in opposite directions, said assemblies hinged to said member for up and down movement in planes spaced constantly the same distance from said member, compensating means connecting said assemblies, said compensating



means including a rocker pivotally mounted on said member.

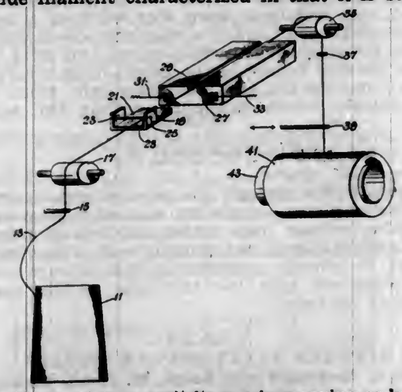
2,199,410
GUN MOUNT
Robert James Lennon, East Moline, Ill.
Application April 7, 1937, Serial No. 135,509
2 Claims. (Cl. 89—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



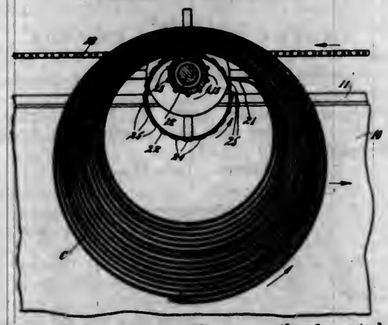
1. In a gun mount, a supporting wall, a rectangular frame secured to the wall and having sides with inner parallel faces and a top and bottom with inner cylindrical faces, a shield disposed in the frame and having outside faces complementary to the inner faces of the frame, horizontally disposed trunnions on the shield and mounted in the frame whereby the shield is movable in elevation, a shelf on the lower part of the shield, a pintle mounted in the shelf for movement in azimuth, and a pin for mounting a gun on the pintle for movement in elevation.

2,199,411
ARTIFICIAL STRUCTURE AND METHOD FOR PRODUCING SAME
Everett Vernon Lewis, Wilmington, Del., assignor to E. I du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 1, 1938, Serial No. 238,212
13 Claims. (Cl. 28—1)

1. A dry-heat-shrunk synthetic linear polyamide filament characterized in that it is sufficiently unset to permit its use in weaving or knitting fabrics of uniform stitch formation.



2,199,412
MANDREL ATTACHMENT FOR PICKLING MACHINES
Stone Nyberg, Dover, Ohio, assignor to Agnes J. Reeves Greer, Morgantown, W. Va.
Application April 6, 1939, Serial No. 266,375
6 Claims. (Cl. 266—6)



1. Apparatus for treating a coil of metal, including a tank containing liquid, a mandrel, means extending longitudinally of the side walls of the tank for supporting the mandrel, a ratchet-toothed ring of considerably greater diameter than the mandrel mounted around the mandrel for supporting the coil suspended in the liquid in the tank and having teeth around its periphery, said teeth having inclined forward edges and radial rear edges, and means for rotating the mandrel so that the coil is rotated in the liquid.

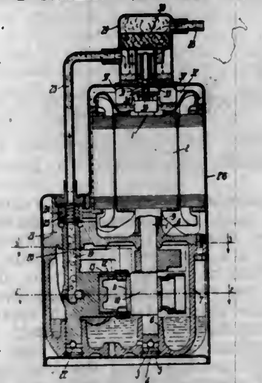
2,199,413
REFRIGERATING UNIT
Leonida Patrignani, Paris, France, assignor, by mesne assignments, to Caladon Corporation, Boston, Mass., a corporation of Delaware
Application July 25, 1936, Serial No. 92,521
In France March 3, 1936
4 Claims. (Cl. 62—116)

2. A removable and interchangeable wall closure for a cabinet constituting a complete refrigerating element therefor, comprising a compressor, a motor for said compressor arranged above the same, a vertically extending compartment containing said motor and compressor and having air intake and discharge openings at the bottom and top and an outer wall constituting a condenser for compressed refrigerant, a duct supplying refrigerant from the compressor to



the upper part of the condenser and a motor-cooling device receiving refrigerant from one level of the condenser and discharging it to a lower level of the condenser.

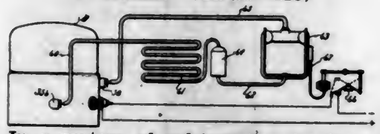
2,199,414
COMPRESSOR UNIT FOR REFRIGERATION AND OTHER APPLICATIONS
Leonida Patrignani, Paris, France, assignor, by mesne assignments, to Caladon Corporation, Boston, Mass., a corporation of Delaware
Application February 11, 1937, Serial No. 125,188
In France October 31, 1936
4 Claims. (Cl. 230—29)



1. In an enclosed motor-compressor unit a compressor cylinder having a closed end and arranged to oscillate about a fixed axis, a piston in said cylinder, a driving shaft parallel to said axis and connected to said piston to operate the same and oscillate the cylinder, a tight casing enclosing the unit and receiving at low pressure the fluid to be compressed, said casing having a limited amount of lubricant therein, said cylinder having intake means for admission of low pressure fluid from the casing to the cylinder during the suction stroke of the piston and a discharge device through which the compressed fluid passes, a duct leading compressed fluid from said discharge device and along said fixed axis to the outside of the casing, an oil collector comprising a chamber on said casing above the upper end of said shaft and to which said duct leads, a check valve connection between said chamber and the

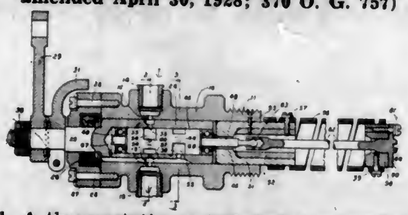
interior of said casing, and means controlled by the shaft for opening the valve when the motor stops and closing the same after the motor starts.

2,199,415
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application October 17, 1936, Serial No. 106,118
Renewed January 9, 1940
15 Claims. (Cl. 62—115)



3. In a system of refrigeration having a low pressure side and a high pressure side, the step in the process of refrigeration of introducing refrigerant in the low pressure side into a body of accumulated lubricant, and subjecting the refrigerant, prior to the transfer thereof to the high pressure side to centrifugal action whereby to separate entrained lubricant particles therefrom by centrifugal force and transferring the separated lubricant particles to said body.

2,199,416
THERMOSTATIC CONTROL DEVICE
Walter A. Paulson, Brooklawn, N. J.
Application June 14, 1938, Serial No. 213,579
4 Claims. (Cl. 121—46.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A thermostatic control device comprising a valve body having high and low pressure openings therein adapted to be communicably connected with the high and low pressure sides of a source of fluid pressure, and a pair of openings adapted to be communicably connected with a fluid pressure operated device; a valve member movably mounted in said valve body for establishing communication between said high and low pressure openings and selected openings of said pair of openings to operate said fluid pressure device in opposite directions; a thermoresponsive device for automatically moving said valve member with fluctuations in temperature; and manually operable means movable independently of said valve member for establishing direct communication between said high and low pressure openings and the selected openings of said pair of openings irrespective of the temperature and the resulting movement of said valve member.

2,199,417
METHOD OF MAKING A FOURDRINIER WIRE
Andrew Purves, Holyoke, Mass.
Application October 19, 1938, Serial No. 235,911
2 Claims. (Cl. 28—1)

1. The method of producing a Fourdrinier fabric consisting in, interweaving a weft wire with a plurality of non-ferrous warp wires from a beam, the end-most warp wire being of a relatively stiffer steel and of a relatively less diameter than the intermediate warp wires, and after the interweaving removing the fabric from the loom and removing the end-most warp wire from the completely woven fabric by pulling the same

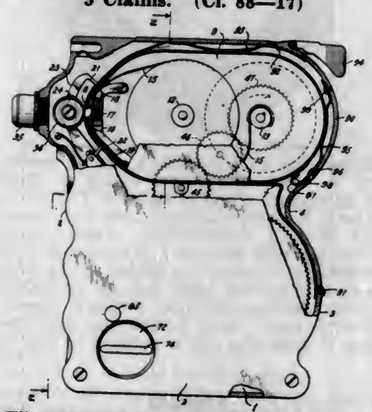


longitudinally through the selvage loops formed by the weft wire around the end-most warp wire forming selvage loops which are less in height than the thickness of the main body of the fabric so as to provide a relatively thin selvage edge as compared with the thickness of the main body of the fabric.

2,199,418
SURFACE TREATMENT OF METALS
John C. Redmond and Ralph W. Hodil, Youngstown, Ohio
No Drawing. Application September 16, 1938
Serial No. 230,210
9 Claims. (Cl. 148—8)

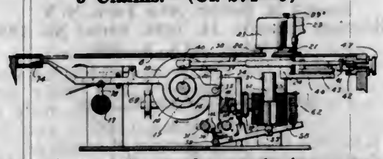
1. A method of conditioning a ferrous body that comprises subjecting it to a temperature great enough to cause iron chlorides to volatilize, in a non-oxidizing atmosphere comprising hydrogen chloride and having a moisture content low enough to permit iron chloride to be formed at said temperature.

2,199,419
CAMERA MAGAZINE EJECTOR
Gordon Brown Scheibell, Millburn, N. J.; William O. Scheibell, administrator of said Gordon B. Scheibell, deceased
Original application April 18, 1935, Serial No. 16,955. Divided and this application April 30, 1936, Serial No. 77,233
5 Claims. (Cl. 88—17)



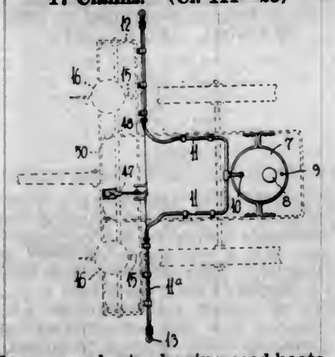
1. Film apparatus comprising, a structure having a compartment in which an optical system and film driving means are provided, a film magazine insertable in said compartment in operative position in engagement with said optical system and film driving means for feeding said film in a light exposure process, a door for said compartment, and a resilient strip carried by said door, said strip being fixed to said door adjacent one end and being slidably engaged by the door adjacent the opposite end, said strip being bowed outwardly intermediate the points of engagement with said door for engaging parts of said magazine to yieldably maintain the same in operative position, a hook member on said magazine and a coacting hook on said strip engageable with the hook on said magazine to effect removal of the magazine from said compartment when said door is opened.

2,199,420
SOUND RECORDING AND REPRODUCING APPARATUS
Elliott W. Sparling, Los Angeles, Calif., assignor, by mesne assignments, to Theodore R. Gillenwaters and Samuel Steelman as trustees for M. Elizabeth Gillenwaters
Application July 12, 1937, Serial No. 153,098
5 Claims. (Cl. 274—9)



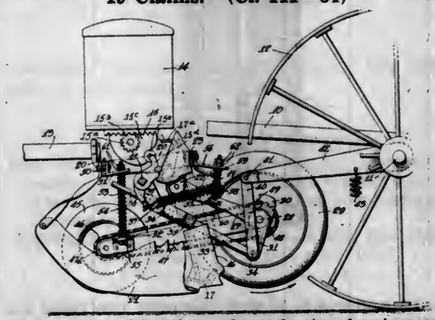
1. Sound recording and reproducing apparatus including a record supporting turntable, a rotary drive member for frictionally driving said turntable, means supporting said drive member for bodily movement substantially radially of the axis of said turntable, means for rotating said drive member, means geared to said turntable for bodily moving said drive member in one direction, including a lead screw, a threaded member, means supporting said threaded member on said drive member for movement relative thereto into and out of engagement with said screw, a stylus adapted to engage a record on said turntable, supporting means for said stylus, means of connection between said drive member and said supporting means for moving the stylus in correspondence with the bodily movement of said drive member, and back-spacing means operable at will for correspondingly moving said drive member and stylus in the opposite direction, including another lead screw geared to the means for rotating said drive member, means for moving said threaded member from the first to the second named lead screw and means for automatically moving said threaded member from the second-named lead screw to the first named lead screw at the cessation of operation of said back-spacing means.

2,199,421
MARKING MECHANISM FOR SEED PLANTERS
William G. Stevens, Jr., Sykesville, Md.
Application February 24, 1938, Serial No. 192,348
17 Claims. (Cl. 111—25)



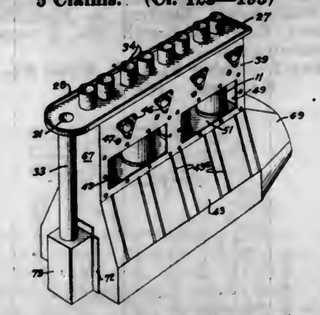
17. In a corn planter having seed boots, a liquid controlling valve arranged on the planter at the outer side of one of said boots and in substantially lateral alignment with said boots, means for supplying liquid under pressure to the valve, and means controlled by the planter for actuating the valve each time seed is deposited by said boots.

2,199,422
PLANTER
William G. Stevens, Jr., Sykesville, Md.
Application March 12, 1938, Serial No. 195,650
19 Claims. (Cl. 111—34)



1. The combination of a planter having seed hoppers, seed boots, upper and lower valves for controlling the discharge of seed from the boots, and a check shaft for controlling said valves, of auxiliary ground wheel means connected to the planter and adapted to turn due to contact with the ground as the planter moves forwardly, and means operatively connecting the wheel means and shaft for causing instantaneous movement of the shaft in one direction to cause actuation of the valves each time the ground wheel means rotates a predetermined degree as the planter moves forwardly.

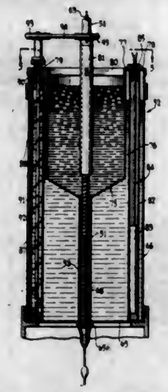
2,199,423
INTERNAL COMBUSTION ENGINE
Lloyd M. Taylor, San Leandro, Calif., assignor of one-half to George A. Selig, Oakland, Calif.
Application April 27, 1937, Serial No. 139,114
5 Claims. (Cl. 123—195)



1. In an internal combustion engine having a plurality of cylinders, a pair of reinforcing webs directly connected to the exterior surface and at diametrically opposite sides of each cylinder at its lower end, and crankshaft bearings carried by said webs.

2,199,424
WITHDRAWN

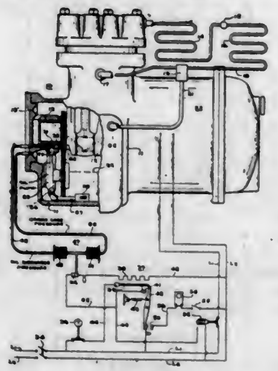
2,199,425
METHOD AND MEANS FOR MAKING CAPSULES
Olaf I. Waring, New York, N. Y., assignor of one-half to Pincus Rothberg, New York, N. Y.
Application November 16, 1937, Serial No. 174,833
11 Claims. (Cl. 18—5)



1. In apparatus of the character described for forming seamless capsules, a hopper adapted to contain a material for forming capsule walls, a tube extending therefrom and communicating therewith, a second tube extending through said first tube, means for intermittently supplying charges of capsule filling material through said second tube, and means for rotating said second tube.

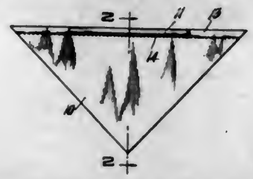
6. A process for making seamless capsules comprising extruding through an orifice, plastic capsule wall forming material in fluid state, injecting into said fluid wall forming material, at intervals, charges of capsule filling material and immediately thereafter setting the wall forming material whereby a continuous string of connected seamless capsules is formed.

2,199,426
CONTROL MECHANISM
Edward R. Wolfert, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 31, 1936, Serial No. 118,424
8 Claims. (Cl. 184—6)



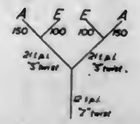
1. The combination of a driven machine, means for driving said machine, means operable simultaneously with said machine for supplying lubricant to the bearings of said machine, a timing device, means for effecting timing action of said timing device in response to operation of said machine, means operable automatically upon supply of lubricant to said bearings to terminate said timing action, and means operable automatically in response to timing action of said timing device for a predetermined period of time to terminate operation of said machine.

2,199,427
HEADDRESS
Joseph M. Dohen, New York, N. Y.
Application January 14, 1938, Serial No. 184,939
1 Claim. (Cl. 2—198)



A headdress comprising a body portion of one piece material substantially triangular in shape and providing a longitudinal enlargement along one side margin thereof with a doubled edge, a circular core of pliable material and of less length and entirely within said doubled edge for producing a single roll-like enlargement along that edge to be substantially adjacent the ears of a wearer, a line of stitching along said marginal edge and close to the enclosed core to retain said core in place against longitudinal displacement, the end portions of the side margin on either side of the enclosed core comprising means of less thickness than the roll-like enlargement by which the headdress may be tied in place on the wearer's head with the said enlargement snugly resting against the forehead thereof, thereby enabling the core to be rolled within the adjacent material when adjusting the headdress for different sizes on the wearer's head.

2,199,428
TEXTILE PRODUCT
Donald Finlayson and James Frederick Levers, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application August 20, 1937, Serial No. 160,066
In Great Britain September 29, 1936
22 Claims. (Cl. 57—140)



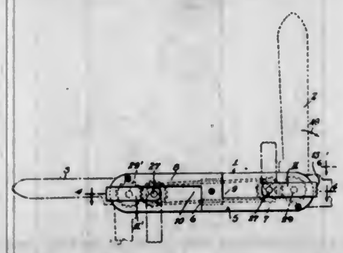
1. A composite yarn resembling a wool yarn, which comprises a yarn of crinkled cellulose acetate filaments which in the composite yarn has at most only a low degree of twist, doubled with a high twist yarn which in the composite yarn has a degree of twist such that it possesses the ability to shrink on treatment with hot aqueous liquors, the yarn of crinkled cellulose acetate filaments being present in substantially greater proportion than the said high twist yarn.

2,199,429
TEXTILE MATERIAL
Donald Finlayson and James Frederick Levers, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application August 20, 1937, Serial No. 160,067
In Great Britain September 29, 1936
21 Claims. (Cl. 57—140)



1. A composite yarn resembling a wool yarn, which comprises a yarn of crinkled artificial filaments which in the composite yarn has at most only a low degree of twist doubled with an artificial yarn which is capable of being shrunk relatively to the said yarn of crinkled artificial filaments, the said yarn of crinkled artificial filaments being present in substantially greater proportion than the said shrinkable yarn.

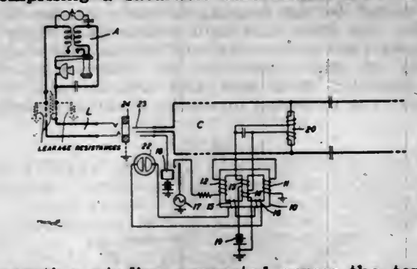
2,199,430
POCKETKNIFE
Friedrich Hanns Greve, La Salle, Ill.
Application January 17, 1939, Serial No. 251,293
4 Claims. (Cl. 30—158)



1. A pocketknife comprising a body, a blade adapted to swing into and out of said body, a shaft journaled in the body rigidly secured to said blade, a gear wheel rigidly secured to said shaft, a pinion meshing with said gear wheel, a swinging lever arranged exteriorly of said body, a star wheel rigidly secured to said pinion and a spring having one end pressing against said star wheel for resiliently locking the pinion each time the end of the spring enters a depression in the star wheel, and means for rigidly connecting one end of said swinging lever to the center of said pinion whereby upon the swinging of said lever through an arc of 180° said blade will be swung to a fully open or closed position.

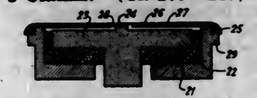
2,199,431
TELEPHONE SIGNALING SYSTEM
William H. T. Holden, Long Island City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 18, 1938, Serial No. 185,561
10 Claims. (Cl. 179—73)

1. In combination in a telephone signaling system, a line circuit, a link circuit connected with said line circuit, a supervisory signal for said link circuit, and means associated with said link circuit for controlling said signal, said means comprising a saturable core reactor having an



operating winding connected across the terminals of said signal.

2,199,432
CONDENSER MICROPHONE
Rolf Horkheimer, Berlin, Germany, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 7, 1936, Serial No. 109,624
In Germany November 21, 1935
5 Claims. (Cl. 179—111)



1. An electrostatic microphone comprising an outer metallic casing having a ledge surrounding the outside surface, an insulating member within said casing, a central electrode within said insulating member, a projection on said central electrode, a ring seated on said ledge, a diaphragm secured and electrically connected to said ring, said diaphragm forming a movable electrode and having insulating means for resting on the projection of said central electrode.

2,199,433
OPTICAL SCANNING APPARATUS USING MIRROR HELIX
Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 31, 1936, Serial No. 61,675
18 Claims. (Cl. 178—7.3)

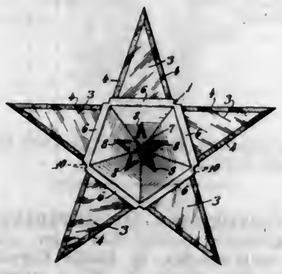


1. The combination with a mirror helix of a strip light source parallel to the axis of rotation of said helix, and a pair of parallel mirrors positioned between said light source and said helix in planes substantially perpendicular to said axis.

2,199,434
DECORATIVE DEVICE
John C. Koonz, Fort Wayne, Ind., assignor to The Glolite Corporation, Waukegan, Ill., a corporation of Illinois
Application March 30, 1938, Serial No. 198,859
3 Claims. (Cl. 240—10)

1. A decorative device comprising a housing for

receiving a light source, transparent flat projections having tapered edges and plane surfaces attached to the housing in such manner that light rays from said light source pass edgewise through the projections, and means at the edges only of said projections for intercepting the transmitted light rays and causing said light rays to be projected forwardly to cause the edges



to glow, said housing comprising a plurality of sections, one of said sections being provided with flat edges adapted to engage one of the sides of each flat projection adjacent the edge of the base of the same on one face thereof, said section further having tabs turned over said tapered edges and lying adjacent the opposite face of each projection and locking in fixed position each of said projections.

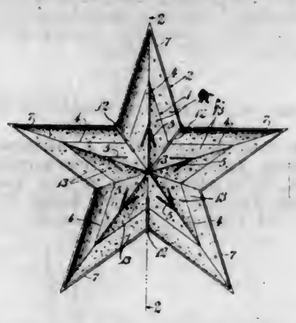
2,199,435

DECORATIVE STAR

John C. Koonz, Fort Wayne, Ind.

Application October 24, 1938, Serial No. 236,629

1 Claim. (Cl. 240—10)



A decorative device, comprising an outer and an inner star-shaped member, clip means for holding these members in spaced relation, cut-out portions in the points of the stars for the transmission of light therethrough to the front and rear of the device to provide a two-way star which, when placed in a window or doorway, is visible to the inside as well as the outside, light reflecting material coated onto the surfaces of the members for reflecting and diffusing the light and giving a sparkling effect, and a light bulb positioned intermediate the members and providing a support for said members, said clip means comprising a plurality of clips, each clip having hooked portions at its opposite ends, said portions being located in the same plane but having the hooks arranged at acute angles to each other whereby said portions may engage adjacent the bases of each star-shaped member to maintain them in spaced relationship to each other.

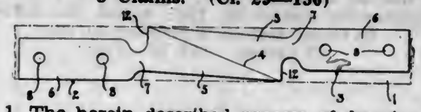
2,199,436

METHOD OF PRODUCING WALL BRACKETS OR HOLD-FASTS

Platon Lazarides, New York, N. Y.

Application March 31, 1938, Serial No. 199,084

5 Claims. (Cl. 29—150)



1. The herein described process of forming a hold-fast which consists in providing a strip of sheet metal, cutting from said strip a blank consisting of a shank portion, a blade portion and an intermediately disposed neck portion, corrugating said blade portion to form longitudinal furrows, and then twisting the neck portion of said blank with the metal in a cold condition so that the shank portion and the blade portion lie in planes at right angles with respect to each other and one face of the shank in the plane of the straight edge of the blade.

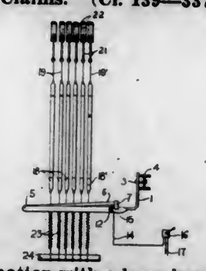
2,199,437

WEAVING DEVICE

Charles Jacob Long, Edwin John Johnson, and Norman Swindells, New London, Conn., assignors to Celanese Corporation of America, a corporation of Delaware

Application March 16, 1938, Serial No. 196,166

2 Claims. (Cl. 139—337)



1. In combination with a loom having harnesses to control the warp, a knock-off box and means for operating said knock-off box to stop the loom, said means comprising a bracket positioned below the harnesses of the loom and having a portion thereof integral therewith and bent at right angles thereto, said portion being adapted to be attached to the loom, a bar pivotally mounted on said bracket, a spring in contact with a free end of said bar for holding said bar in raised position with respect to said bracket, a contact member carried by said bracket and electrical connections to said bar, contact member and knock-off box, the construction and arrangement being such that upon the breakage of a harness cord or wire or upon undue lowering of the harness, said bar is forced under the weight of the harness into contact with said contact member to close the electrical circuit and energize the knock-off box to stop the loom.

2,199,438

ELECTRON DISCHARGE DEVICE

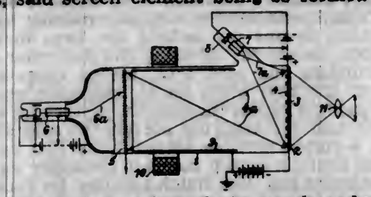
Hans Gerhard Lubszynski, Hillingdon, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application January 15, 1937, Serial No. 120,771

In Great Britain January 15, 1936

14 Claims. (Cl. 250—150)

2. In a radiant energy translating system an electron discharge device comprising a screen element, means for simultaneously flooding substantially the entire screen element with relatively high velocity electrons to release therefrom secondary electrons, means for simultaneously directing the radiant energy upon said screen element, said screen element being so formed that



the number of secondary electrons released under flooding vary in accordance with the intensity of the radiant energy falling thereon, an electron responsive target member positioned to receive the secondary electron emission from the screen, and means for focusing the electrons released from the screen upon the target member.

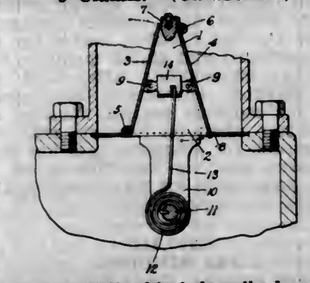
2,199,439

VALVE

James K. Lund, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application December 19, 1934, Serial No. 758,203

6 Claims. (Cl. 236—34)



1. A device of the kind described comprising a casing having an inlet, said casing having two opposed sections which form part of the casing, each section having a separate hinge at one end, the hinges being spaced apart, the other end being free, the free end of one section being opposite the hinged end of the other section, a thermostat connected with said sections and adapted to move them about their hinges to open or close them.

6. A device of the kind described comprising a casing having an inlet, said casing having two opening and closing sections forming sides thereof, said sections pivoted at opposite ends, and means for simultaneously moving one end of one section to form a discharge opening and the opposite end of the other section to form a discharge opening, whereby two separated discharge openings are simultaneously provided.

2,199,440

COATED WELDING ROD

Arthur R. Lytle and Thomas H. Vaughn, Niagara Falls, N. Y., assignors to Oxweld Acetylene Company, a corporation of West Virginia

No Drawing. Application May 13, 1938, Serial No. 207,778

1 Claim. (Cl. 219—8)

Welding rod comprising a metal core and an adherent coating thereon, such coating essentially comprising a solid weld modifying substance and a thermoplastic condensation derivative of rubber substantially identical with a condensation derivative produced by admixing a solution of rubber with a halide salt of an amphoteric metal and subsequently splitting off the halogen.

2,199,441

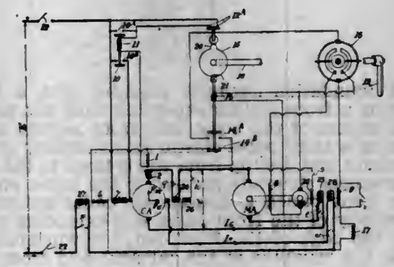
ELECTRIC ROTARY CONVERTING SYSTEM

James Colquhoun MacFarlane and William Allan MacFarlane, Cathcart, Glasgow, Scotland

Application July 9, 1937, Serial No. 152,826

In Great Britain July 17, 1936

24 Claims. (Cl. 172—239)



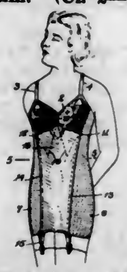
1. The combination of a converter for converting a constant voltage-variable direct current supply to a variable voltage-variable direct current supply or vice versa with an electric motor unit, said converter comprising an armature, a field structure having $2n$ poles of which n poles belong to the motoring circuit of the armature and n poles to the generating circuit of the armature, the n primary motoring poles being set alternately with the n generating poles, the armature having a winding whose span is that usually used with a $2n$ polar field, that is of 180 electrical degrees if referred to the $2n$ pole field but of 90 electrical degrees if referred to the n pole field proper to each circuit, the main excitation on the motoring poles being provided by the armature reaction m. m. f. due to the current in the generating circuit and the main excitation of the generating poles being provided by the armature reaction m. m. f. due to the current in the motoring circuit, $2n$ interpoles each interpole carrying two windings, one winding in the motoring circuit and one winding in the generating circuit, abutment windings on the generating poles comprising a winding connected across the constant voltage supply and assisting the armature m. m. f. due to the motoring current and a series opposition winding connected in series with the generated output current and opposing the armature m. m. f. due to the motoring current and a compounding magnetising winding on the motoring main poles of the converter assisting the said main excitation thereof by the armature m. m. f. due to the generated current, and said unit comprising a main motor having its armature connected to the generating circuit of the converter and its field winding supplied from a constant voltage supply, a regulating motor including a field winding and an armature, and means for driving same at a speed proportional to that of the main motor, the armature of said regulating motor being connected in series with the field winding of said main motor and opposing the same.

2,199,442

FOUNDATION GARMENT

Henriette Mayonnade and Charles W. Hine, New Haven, Conn., assignors to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut

Application June 25, 1938, Serial No. 215,901
1 Claim. (Cl. 2—37)



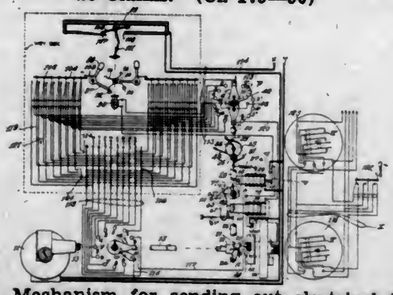
A foundation garment provided with a body having a front section extending from the top to the bottom of the body, said front section comprising a front panel elastic longitudinally of the garment and flaring from the bottom to the top, a brassière structure secured to the upper end of the front panel, a non-elastic panel positioned interiorly of the front panel and extending from the top edge of the front panel downwardly to near the waistline of the garment and from one side of the front panel to the other, lines of stitching securing said non-elastic panel to the front panel at the top and side edges thereof for producing a non-elastic zone in said front panel at the top portion thereof, and an inverted V-shaped line of stitching connecting the non-elastic panel above the lower edge thereof to the front panel, with the apex of the V being located at a central point adjacent the upper end of the panel while the free ends of the legs of the V being disposed adjacent the lower end and sides of the non-elastic panel to provide a centrally disposed triangular portion of the non-elastic panel unconnected with the front panel so that where a downward pull is exerted on the elastic front panel the lines of force will be directed substantially towards the gradually receding legs of the V-shaped stitching and towards the connected side edges of the inelastic panel and thus reduce the pull on the brassière structure.

2,199,443

POWER-DRIVEN IMPULSING MECHANISM

William N. Ott, Newark, N. J.

Application July 23, 1938, Serial No. 220,914
23 Claims. (Cl. 179—90)



1. Mechanism for sending out electrical impulses, including a motor having a driving shaft, a digit selector having a plurality of contacts and a switch arm operatively connected to said shaft for engaging said contacts as it is moved by the shaft; a key box carrying a plurality of keys and having bus bars connected to said contacts, a plurality of switch levers operatively connected to each key for simultaneous movement on operation of the key in a predetermined manner, contact members mounted to be engaged by said levers and connected in a chosen manner to said bus bars, means for locking the keys in a set position, means for releasing the lock after a set of impulses has been sent, means operated by any of the keys when set to impulsing position for closing a circuit through the motor and starting it and for applying current to said switch arm, a clutch member rotatably carried by said motor shaft, a clutch member rotatably mounted adjacent the first clutch member for cooperative engagement therewith, a current-impulsing device, said second clutch member being connected to said current-impulsing device, a cross-shaft operatively connected to one of said clutch members, means under control of said digit selector for turning said cross-shaft and causing the clutch members to engage at a predetermined time, means for locking said cross-shaft in clutching position until the proper digit is selected by the selector, electro-magnetic release means for said cross-shaft lock, a digit-positioning device having a movable contact member and stationary contacts engaged thereby, some of which are successively connected to said key levers and the others electrically connected to said electro-magnetic release means for sending current therethrough when the digit selector switch arm engages its proper digit contact connected to the desired key box member, means for restoring the cross-shaft and clutch members to normal position immediately after said release means is operated, and means for stepping up one step the movable contact member of the digit positioner, ready for the next digit impulsing, and means for actuating said key-lock releasing means after the last digit is set up for impulsing, and means for then restoring the key and opening the motor circuit.

2,199,444

SKI BINDING

Gerard Rauglas, Great Kills, N. Y.

Application June 14, 1938, Serial No. 213,600
4 Claims. (Cl. 280—11.35)



4. A tensioning device for a ski binding comprising a channeled base member, a plate cooperative therewith, a lever pivoted to the base member having a slot adapted to receive means associated with the front ends of a heel binding element for removably connecting said ends to the lever, said plate and said base member having mutually engageable teeth and vertically aligned openings adapted for the passage of fastening means for securing the plate and base member in fixed relation to a ski in predetermined longitudinally adjusted relation as determined by said teeth.

2,199,445

ELECTROLYTIC CONDENSER AND METHOD OF PREPARING ETCHED ELECTRODES THEREFOR

Samuel Ruben, New Rochelle, N. Y.

No Drawing. Application July 2, 1936, Serial No. 88,533
7 Claims. (Cl. 175—315)

1. An electrode for electrolytic condensers and the like composed of aluminum of a purity of at least 99.2% having magnesium intentionally alloyed therewith, said magnesium being present in a relatively small but appreciable amount, said electrode having an etched roughened surface resulting from the removal of the magnesium from said surface whereby the effective film forming surface of said electrode is greatly increased.

2,199,446

ELECTROLYTIC CONDENSER

Samuel Ruben, New Rochelle, N. Y.

Application October 26, 1937, Serial No. 171,004
10 Claims. (Cl. 175—315)



1. An electrolytic condenser comprising an aluminum cloth, the shoot constituting one electrode and the warp the other electrode, a spacer around at least one of said electrodes so as to insulate it from the other electrode, and an electrolyte.

2,199,447

ELECTROLYTIC CONDENSER

Samuel Ruben, New Rochelle, N. Y.

Application September 30, 1937, Serial No. 166,548
5 Claims. (Cl. 175—315)



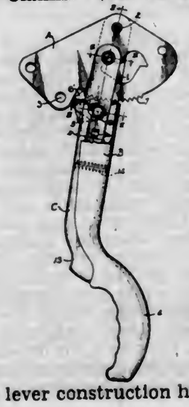
1. A spacer pre-assembly for dry electrolytic condensers comprising at least two sheets of dry electrolytic condenser spacer material in face-to-face relation, and an adhesive comprising triethylene glycol and a water soluble gum cementing said sheets together.

2,199,448

BRAKE LEVER

Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application August 8, 1938, Serial No. 223,574
7 Claims. (Cl. 74—537)



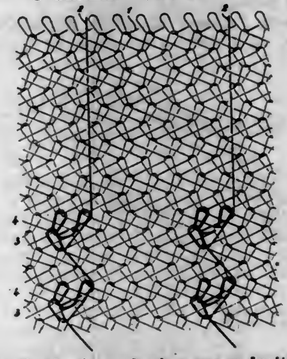
1. A brake lever construction having a stamped U-shaped lever member and a stamped U-shaped clutch release member pivoted together with walls of one member lapping the walls of the other member, characterized by provision of registering openings in the lapping walls of one of said members engaged by protruding integral portions of the lapping walls of the other member constituting their pivotal connection.

2,199,449

PRODUCTION OF WARP KNITTED FABRICS

Paul Schönfeld, Chemnitz, Germany

Application July 20, 1939, Serial No. 285,495
In Germany July 23, 1938
3 Claims. (Cl. 66—86)



1. A method of producing warp knitted fabric provided with rubber warp threads which form meshes in spots, consisting in lapping the rubber threads in the courses following those in which they form meshes over two needles in mesh-forming manner and thereby causing the head of the first formed meshes to be caught by the mesh, arranged in the same wale, of the two superposed rubber thread meshes.

2,199,450

GARMENT

Mildred B. Teamer, Philadelphia, Pa.

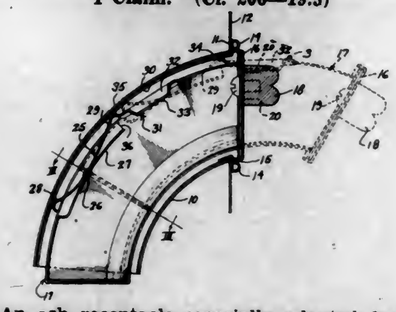
Application January 4, 1939, Serial No. 249,190
1 Claim. (Cl. 2—73)



A garment for feminine wear comprising four sections, to wit, a main section having its medial line at the back and extending substantially parallel to one set of threads of the weave of the goods, said section extending around the sides to the front, said section also having its front edges cut at a substantial angle to the medial line; a front panel section having its medial line on the bias of the goods, the side edges of said

front panel converging at a slight angle from the bottom to the waist portion and joined to the front edges of the main section, the threads of the weave of the main section at the place where the same is joined to the front panel extending at approximately the same bias as the adjacent threads in said front panel, and breast inserts cut on the bias of the goods and disposed in cut-outs in the upper portion of the garment.

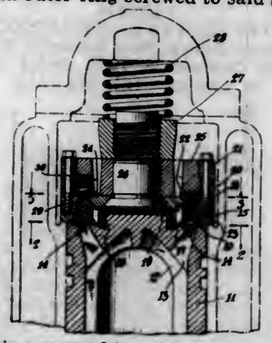
2,199,451
ASH RECEPTACLE
John Visser, Grand Rapids, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of United States
Application January 27, 1938, Serial No. 187,126
1 Claim. (Cl. 206—19.5)



An ash receptacle especially adapted for use on automobile instrument panels and the like comprising a casing of tubular construction and being segmentally circular in a longitudinal direction, an ash container of a configuration similar to that of the casing and telescoping the same for sliding movement therein to open and closed positions, said casing having spaced longitudinally arcuate tracks and said ash container having longitudinal arcuate beveled surfaces engaging said tracks for facilitating sliding movement of the container within said casing, and a manually depressable leaflike spring carried on the outer peripheral surface of the ash container between said casing and ash container for engagement with an abutment on the casing to limit an opening movement of the ash container, said spring being manually depressable to disengage it from said abutment when it is desired to entirely remove the container from or fully close it within the casing, said sliding movement occurring under tension between said casing and container in a true radial direction in all telescopic positions.

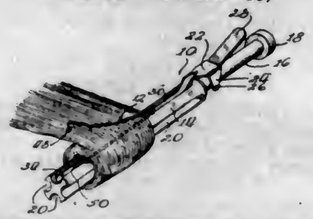
2,199,452
COMPRESSOR VALVE ASSEMBLY
Johann H. H. Voss, White Plains, N. Y.
Application April 7, 1937, Serial No. 135,474
1 Claim. (Cl. 230—221)

In a valve assembly as described including an inlet valve and a discharge valve, a piston having a seat for the inlet valve, a series of ribs placed radially across a circular port and connecting said seat with the central portion of the piston, a ring plate resting on said seat, a guard for said inlet valve in which springs are embedded to hold said ring plate on said seat, said guard having an upper, conical circumference, a bowl-shaped center part, a flat top rim and flow slots adjacent to the inner circumference of said ring plate, said guard securely and centrally fastened to said piston by a screw and wire lock, said discharge valve having a flow slot into which fits with an appropriate clearance the said bowl-shaped center part of the inlet-valve guard and its flat top rim, a guard for said discharge valve having a recess in which springs are located, and having openings on its inner and outer circumference for the flow of the compressed gas through said slots, a seat for said discharge valve composed of an outer ring screwed to said guard, and



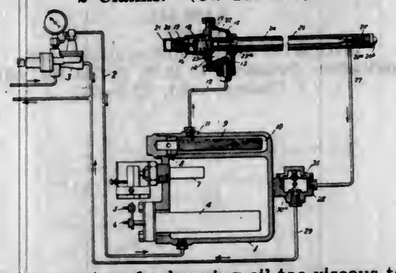
an inner ring secured to said guard by the intermediary of a large center bolt, a nut on said bolt and a spring on top of said nut to hold the parts assembled so that the opposing surfaces of the discharge valve guard, the outer ring and the inner ring form a true, flat surface for the valve seat and the discharge valve ring plate rests evenly on its inner and outer circumferences, said spring in the recess of the discharge valve guard holding said discharge valve ring plate in closed position.

2,199,453
CURL FORMING DEVICE
Arthur W. Woodford, Chicago, Ill.
Application October 5, 1939, Serial No. 298,157
2 Claims. (Cl. 132—33)



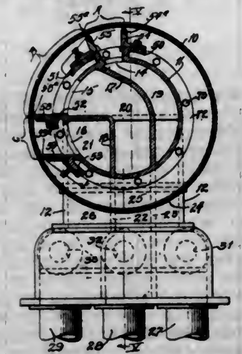
2. A hairpin intended to secure a wound lock of hair to form a curl, comprising a lower arm, an upper arm, an acute bend connecting said arms, a latch at the free end of said upper arm to engage the free end of said lower arm when the pin is closed, said lower arm being substantially straight throughout its length to facilitate insertion of the hairpin through the curl, the major outer portion of said upper arm being curved outwardly away from the lower arm to provide a relatively wide gap between the free ends of said arms when the hairpin is open, and the degree of curvature of said upper arm being such that when the pin is closed upon a lock of hair, the flexure tending to straighten said upper arm will be compensated for by the flexure tending to curve said lower arm by pressure thereagainst so that the two arms of said hairpin will be approximately parallel throughout their length when locked upon a lock of hair.

2,199,454
MEANS FOR PREHEATING OIL FOR OIL BURNERS
Robert F. Andler, Rutherford, N. J., and George R. Koeln, Atlanta, Ga., assignors to Electrol Incorporated, Clifton, N. J., a corporation of Delaware
Application November 15, 1939, Serial No. 304,460
2 Claims. (Cl. 158—36)



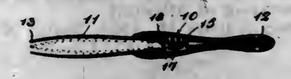
1. In a system for burning oil too viscous to be properly sprayed at normal temperature, the combination of a spray nozzle, means for supplying oil under pressure thereto, means for preheating the oil, a pressure actuated cut-off valve adapted to prevent admission of oil to the spray nozzle until a predetermined pressure has been developed in the supply system, means including a by-pass conduit for recirculating oil within the supply system and through said preheating means, whereby so long as said by-pass conduit is open sufficient pressure to cause said cut-off valve to open cannot be developed, and a thermally actuated valve adapted to close said by-pass conduit when the temperature of the recirculating oil is sufficiently high to permit proper spraying, said by-pass valve being so designed that oil pressure in the supply system built up when the by-pass valve is closed will hold said valve closed despite any force tending to open it developed by its thermally responsive actuating mechanism.

2,199,455
SUCTION ROLL
Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Original application September 9, 1935, Serial No. 39,679. Divided and this application December 24, 1936, Serial No. 117,465
7 Claims. (Cl. 92—53)



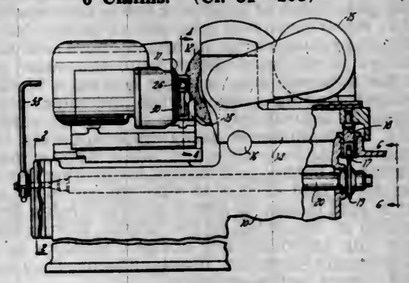
5. A suction roll comprising a hollow suction mandrel, means for supporting the mandrel, said mandrel having an opening in the side wall thereof, a perforated roll rotatably mounted around the mandrel, a pair of longitudinal seals carried by the mandrel and extending between the roll and mandrel on each side of said opening to cooperate with the roll for defining a localized suction area on the roll, at least one of said seals being movably mounted on the mandrel, a device secured to said movably mounted seal, and mechanism for positively laterally moving said device to positively slide the seal on the mandrel toward and away from the other seal for varying the width of the suction area.

2,199,456
STAMP HOLDER
William Betz, Elizabeth, N. J.
Application October 1, 1938, Serial No. 232,862
3 Claims. (Cl. 81—43)



1. A device of the character described comprising a pair of spring arm members arranged in parallel relation connected at one end, means connecting the arm members comprising spaced loop members, the loops of one arm member adapted to interleave with loops of the other arm member, the loops being progressively shorter in length in the direction of the connected end of the arm members and a retainer member movable through the interleaved loops.

2,199,457
CENTERLESS GRINDER
Frederick S. Haas, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application October 22, 1938, Serial No. 236,531
6 Claims. (Cl. 51—103)

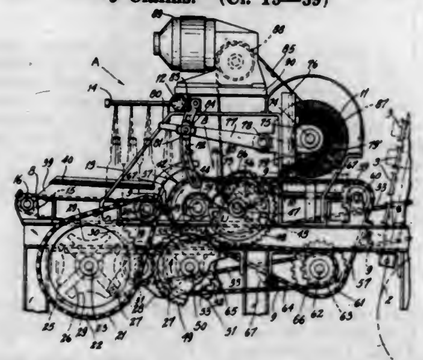


1. In a grinding machine having a work rest blade for supporting a work piece, a grinding wheel movable toward and from said blade on one side thereof, means on the other side of said blade for resisting the thrust of the grinding wheel on the work piece, the combination of a manually operable control lever, motion transmitting connections from said lever for causing opposite directions of movement of the grinding wheel for opposite directions of movement of the lever, a power operated work ejector associated with said blade, and means operable by the lever at a specific point in its travel for energizing said power operated ejector, said means including a power control device and a snap-by actuator therefor operable by the lever, whereby a unidirectional actuation of the lever effects projection and retraction of the ejector.

2,199,458
ELECTRIC CONTACT
Franz R. Hensel, Kenneth L. Emmert, and James W. Wiggs, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application August 15, 1939, Serial No. 290,222
4 Claims. (Cl. 200—166)

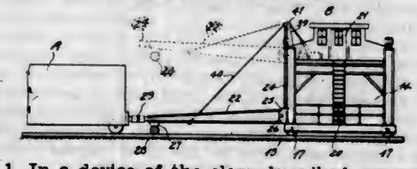
1. An electric contact element formed of an alloy comprising .02 to 5% of material selected from the group of elements consisting of calcium, barium and strontium as an essential alloying ingredient, and the balance predominantly silver.

2,199,459
APPARATUS FOR CLEANING BOTTLES
James L. Herold, St. Louis, and Frederick W. Wehmiller, Ladue, Mo., assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo., a corporation of Missouri
Application August 10, 1938, Serial No. 224,060
9 Claims. (Cl. 15—59)



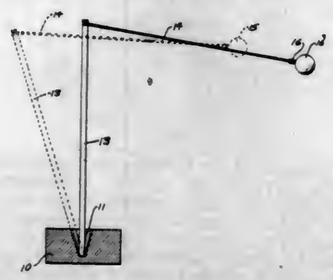
1. In a machine for removing material from the outer faces of bottles, a bottle carrier adapted to receive a row of approximately upright bottles, a spraying device arranged above said bottle carrier to discharge liquid onto the outer faces of the approximately upright bottles, a brushing device including a rotary brush and rotary bottle-supports immediately below said brush, said rotary bottle-supports being approximately horizontal, so as to receive and rotate approximately horizontal bottles, and means for moving the bottles from said carrier to said rotary bottle-supports, said means including an overturning device located in the paths of the bottles to turn them from the approximately upright positions to approximately horizontal positions before they reach said rotary bottle-supports.

2,199,460
SELF-PROPELLED PUSHER CAR
Anson M. Holcomb, Bay City, Mich., assignor to Industrial Brownhoist Corp., Bay City, Mich., a corporation of Michigan
Application May 23, 1938, Serial No. 209,577
7 Claims. (Cl. 105—29)



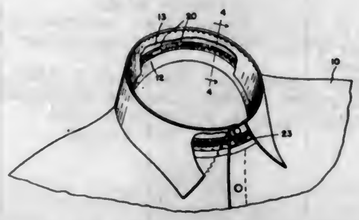
1. In a device of the class described comprising a pusher car adapted to form a portal over and clear a standard railroad car, and a movable pusher arm on said pusher car and movable to operative position to engage a standard railroad car and to inoperative position to provide clearance so that the pusher car may straddle and pass the railroad car.

2,199,461
GAME
Arthur J. Jones, Indianapolis, Ind.
Application October 27, 1939, Serial No. 301,522
3 Claims. (Cl. 273—95)



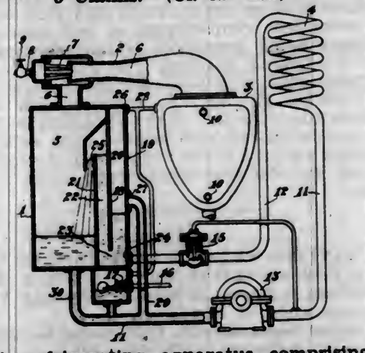
1. In a game, a base having a hole therein of appreciable depth, a pole entering the hole to be rockably supported therein, a ball and a cord swivelly connected to the upper end of the pole and carrying the ball on its outer end, said base hole being formed to receive said pole with a loose fit to permit a wobble motion to be imparted to said pole.

2,199,462
GARMENT CONSTRUCTION
Sydney Kann, Detroit, Mich., assignor of one-half to Clotilde Swartout, North Muskegon, Mich.
Application March 28, 1939, Serial No. 264,630
2 Claims. (Cl. 2—139)



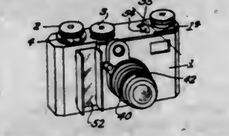
1. Means for detachably securing together the parts of a garment or the like, comprising a plurality of independently operable slide fastener assemblies arranged along a common parting line, facing in opposite directions with respect to a common center, conforming to each other in length, and disposed symmetrically with respect to said center, whereby, when said slide fastener assemblies are released, the held parts may be reversed end for end with relation to each other, and thereafter secured together in such reversed relation, and a collar adapted to be held by said securing means and constructed to be folded in either direction, two of said slide fastener assemblies being provided, one extending from each end of the collar toward the center but each stopping short of the center thereof.

2,199,463
REFRIGERATING APPARATUS
Alfred D. Karr, Newark, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application March 2, 1937, Serial No. 128,570
5 Claims. (Cl. 62—152)



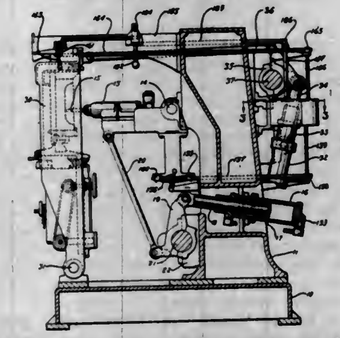
4. A refrigerating apparatus comprising an evaporator having a single evaporating chamber, evacuator means to reduce the pressure and remove and compress vapor from the evaporator, inlet means to admit refrigerant to the evaporator, outlet means for the vaporator, means to supply refrigerant to the inlet means, means to always subject refrigerant supplied to the inlet means to evacuator discharge pressure, and means to divert refrigerant from the inlet means to the outlet means along a path free of evaporator pressure in response to the approach of the evaporator pressure toward the evacuator discharge pressure.

2,199,464
PHOTOGRAPHIC CAMERA
Heinz Küppenbender, Oskar Fischer and Gerhard Henkel, Dresden, and Ottomar Peters, Hansdorf, and Arthur Mende, Dresden, Germany, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application October 11, 1938, Serial No. 234,350
In Germany October 14, 1937
13 Claims. (Cl. 95—10)



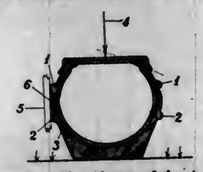
1. In a photographic camera, the combination of a photo-electric exposure meter, a photographic objective provided with a rotatable diaphragm adjusting ring, a variable resistance and a contact member in slidable engagement with the same in the circuit of said exposure meter, a diaphragm adjusting member, a shutter speed adjusting member, means operatively connecting said slidable contact member with said diaphragm adjusting member and said shutter speed adjusting member for moving said slidable contact member whenever either one of said adjusting members is actuated, said operative connecting means including a planetary gearing for preventing the operation of one adjusting member by the other, said planetary gearing having two sun gears rotatable about a common axis, a support rotatable about said common axis and having two planetary gears rotatably mounted thereon, said planetary gears meshing with each other and also each with one of said sun gears respectively, said operative connecting means including also means for drivingly connecting said support with said slidable contact member, means for drivingly connecting one of said sun gears with said diaphragm adjusting member, and means for drivingly connecting the other one of said sun gears with said shutter speed adjusting member, and a gearing connecting said diaphragm adjusting member with said diaphragm adjusting ring.

2,199,465
PATTERN CONTROLLED MILLING MACHINE
Mario E. Martelotti, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application January 31, 1938, Serial No. 187,819
11 Claims. (Cl. 90—13.5)



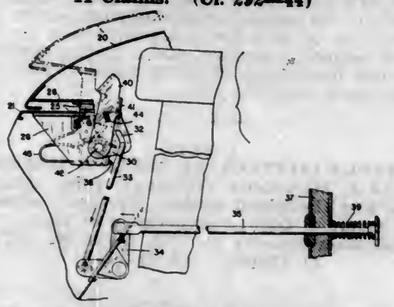
1. In a pattern controlled machine tool having a relatively bi-directionally movable cutter support and work support, the combination of a piston operatively connected for effecting one direction of movement between the supports, a pair of pumps connected respectively to opposite ends of the piston, a tracer controlled valve, and means in the valve for variably impounding the fluid delivered by the pumps to differentiate the resultant opposing pressures on the piston and thus determine the directions of said relative movement.

2,199,466
PNEUMATIC TIRE
Charles Hampton McRaven, Houston, Tex.
Application June 9, 1938, Serial No. 212,659
8 Claims. (Cl. 152—353)



1. In a pneumatic tire subject to deformation by a load on said tire, circular strips of resilient material integral and concentric with said tire and located on the outer side wall of said tire, the arrangement of said strips and said side wall being such that, when said tire is properly inflated for the load being supported, a straight line intersecting the axis of said tire and touching the outer surfaces of said strips at points in the middle of the deformed section of said tire, will be tangent to said side wall.

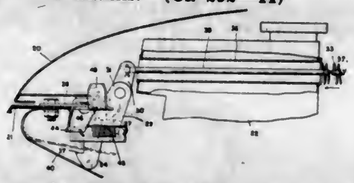
2,199,467
AUTOMOBILE HOOD LATCH
Walter S. Saunders, Pontiac, Mich., assignor to The American Forging and Socket Company, Pontiac, Mich., a corporation of Michigan
Application April 29, 1937, Serial No. 139,778
11 Claims. (Cl. 292—44)



1. In combination with an enclosure having a closure member movable to open and close the same, and holding means for releasably holding said closure in a closed position, supplementary holding means within the space enclosed by the enclosure and closure member when the latter is closed, limiting to a predetermined extent the opening movement of said closure member when said first mentioned holding means is released, said supplementary holding means having an element accessible for operation only when said closure member is opened to the limited extent permitted by said supplementary holding means and movable to release such holding means and allow wider opening of the closure member.

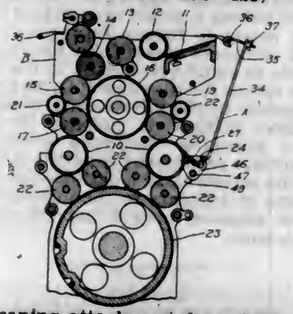
8. In a safety catch for automobile hoods, a latch lever rotatably mounted on and within the hood, spring means adapted to rotate said lever into securing position, and a manual handle, unitary with said lever, located adjacent but within the edge of the hood, and inaccessible to the operator when the hood is closed, but accessible when the hood is partly open.

2,199,468
AUTOMOBILE HOOD LATCH
Walter S. Saunders, Pontiac, Mich., assignor to The American Forging and Socket Company, Pontiac, Mich., a corporation of Michigan
Application April 29, 1937, Serial No. 139,779
2 Claims. (Cl. 292—44)



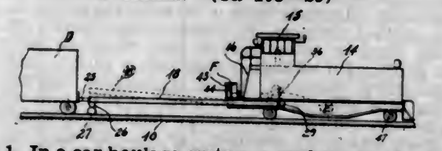
1. In combination with an automotive vehicle having separate engine and passenger compartments, and a hood portion enclosing the engine compartment, a closure member swingable to open and close said hood, and latching means for releasably maintaining the closure member in closed position, including latching means for maintaining the closure member tightly closed and formed as a cam to urge said closure more tightly toward closed position when engaged, a keeper section carried by the closure having an abutment portion against which said cam reacts, said keeper section having another abutment portion spaced from the first, safety catch means for checking and preventing opening movement of said closure member beyond a predetermined position upon release of said latching means, means accessible from within the passenger compartment for operating said latching means, said safety catch means comprising a lever located in said hood portion and operable only from outside said passenger compartment, a part carried by the lever being swingable transversely to and from a blocking position with respect to said last mentioned abutment portion, and a sheet metal pocket having side webs between which the keeper is projected when the closure is closed, said cam being retained between said webs, and said blocking part of the lever being pivoted outside and movable laterally through a slot in said pocket.

2,199,469
PRINTING PRESS WASHING DEVICE
Jack L. Seel and Carl M. Mueller, St. Paul, Minn., assignors to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application September 29, 1938, Serial No. 232,317
4 Claims. (Cl. 101—425)



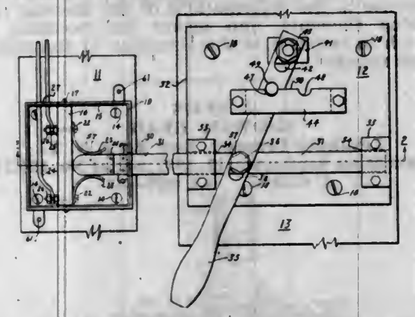
2. A cleaning attachment for printing presses comprising a pair of oppositely disposed plates pivotally secured to opposite sides of a press, means securing said plates in desired angular adjustment, troughs projecting in alignment from said plates, a scraper blade, a receptacle secured thereto, a pair of aligned stub shafts on opposite ends of said receptacle engageable in said troughs, and means secured to said receptacle pivotally engaging said press at a point remote from said plates.

2,199,470
PUSHER CAR
Ernest W. Taylor, Bay City, Mich., assignor to The Industrial Brownhoist Corp., Bay City, Mich., a corporation of Michigan
Application May 23, 1938, Serial No. 209,589
6 Claims. (Cl. 105—29)



1. In a car haulage system, a pusher car adapted to operate on a standard gauge railroad track and including a horizontally disposed forwardly projecting pusher arm pivotally connected at a point intermediate its length to the side of the car and having a standard gauge truck on the outer free end thereof, means for swinging said arm about said pivoting point on an axis parallel to the railroad track to place said arm and truck in operative position on an adjacent standard gauge railroad track, said means being also operative to swing said arm and truck upwardly to position entirely within the right of way limits of the railroad track on which the pusher car is operating.

2,199,471
ELEVATOR LOCK AND SWITCH MECHANISM
Antonio Vacca, Cleveland, Ohio
Application February 28, 1939, Serial No. 258,926
3 Claims. (Cl. 200—55)



1. A gate bolt and contact for controlling a control circuit of an elevator and locking an elevator gate, comprising in combination, a lock casing, terminals connected in said circuit and mounted in said casing, a gate bolt having an insulated current conducting end, said gate bolt arranged to pass through a hole in said lock casing and contact directly with said terminals, a handle turnably attached to said gate bolt and adapted to actuate said bolt, a pivot attachment to fasten said handle to said elevator gate, a bracket having dwells attached to said gate between said pivot and said bolt, said handle having a projection adapted to be engaged by said dwells to restrain said handle and said bolt in two selective positions, one of said positions holding said insulated end in contact with said terminals and preventing the movement of the said elevator gate, the other of said positions breaking the elevator control circuit and allowing the gate bolt to move vertically with the elevator gate without touching the lock casing, the said turnable connection and the said pivotal connection of the handle arranged to allow the handle to slide radially to cause the said handle projection to clear the bracket between the said dwells.

2,199,472
METHOD AND APPARATUS FOR ANNEALING STRIP
Raymond J. Wean, Warren, Ohio, assignor to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio
Application February 9, 1939, Serial No. 255,429
4 Claims. (Cl. 148—13)



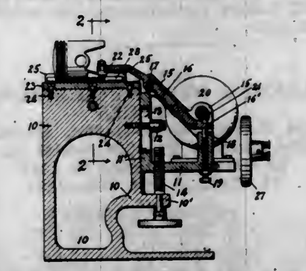
1. In a method of annealing metal strip the steps including advancing the strip in strand form, heating the strip to annealing temperature, and circulating cooling fluid thereadjacent along a V-shaped path, the vertex of the path being disposed substantially centrally of the strip and toward the direction from which it approaches.

2,199,473
KNITTED CAP
Frank J. Wengen, Milwaukee, Wis., assignor to Eagle Knitting Mills, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application January 16, 1939, Serial No. 251,165
1 Claim. (Cl. 2—201)



A cap comprising, a tubular body of knitted fabric having wales extending throughout its length and being readily stretchable transversely of the wales, the upper end of the body being closed to form a dome and the lower edge extending across the wales while the front is provided with a face exposing V-notch which severs some of the wales intermediate their ends and forms lower chin tabs across which the wales extend, and an elastic tape of greater longitudinal elasticity than the transverse elasticity of the tube secured to the bounding edges of the V-notch and to the lower edge of the body to prevent permanent stretching of said tabs and of the forehead engaging edge of the cap.

2,199,474
METHOD FOR EXPANDING PISTONS
August Wiebke, Los Angeles, Calif., assignor to The Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application December 6, 1937, Serial No. 178,323
3 Claims. (Cl. 29—156.5)

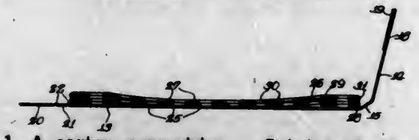


1. The herein described method of expanding pistons which comprises supporting a piston upon spaced supports, hammering said piston between said supports with high speed strokes to bend the wall of said piston outwardly, between said supports, then similarly hammering the wall portions of said piston which have been bent while resting them directly upon an anvil, whereby to cause a circumferential expansion of the metal of said wall portions and a drawing in of said bent portions.

2,199,475
PROCESS OF PRODUCING A CARBON MONOXIDE-HYDROGEN MIXTURE
William D. Wilcox, Kansas City, Mo.
No Drawing. Application July 15, 1937, Serial No. 153,722
3 Claims. (Cl. 23—212)

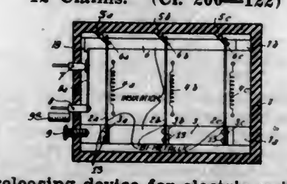
2. The process of obtaining a mixture of carbon monoxide and hydrogen in controlled proportions by the dissociation of hydrocarbon gases, which consists in subjecting a mixture of hydrocarbon gas, steam and carbon dioxide gas in controlled proportions to a dissociating temperature, effecting a partial dissociation, and thereafter adding to the product gas in a refractory walled combustion chamber oxygen in a volume adequate to oxidize to carbon monoxide the carbon in any undecomposed hydrocarbon gas, to burn to water vapor any excess of hydrogen in the gas and to create by the partial combustion such a rise in the temperature of the gas as will assure the complete dissociation of the hydrocarbon gas.

2,199,476
CARTON
Edward C. Berg, Chicago, Ill., assignor to Ace Carton Corporation, a corporation of Illinois
Application January 3, 1938, Serial No. 183,068
2 Claims. (Cl. 206—42)



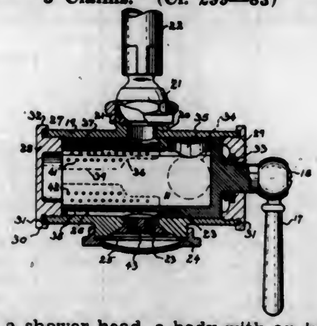
1. A carton comprising a flat tray holder, a tray including a perforated mat having its opposite ends bent rearwardly against the mat proper, said rearwardly bent portions being secured to said tray holder, a second perforated mat having its opposite ends bent rearwardly against the mat proper, said bent portions being secured to said first named mat, both of said mats having uniformly spaced apart perforations therein in concentric alignment, the intermediate portion of said mats being spaced from each other and from said tray holder whereby said mats are depressible by finger pressure adjacent said perforations to facilitate the removal of capsules therefrom, and a protective flap formed integrally with said holder for covering the articles contained therein.

2,199,477
RELEASING DEVICE FOR ELECTRIC SWITCHES
Ernst Besag, Baden-Baden, Germany
Application January 24, 1938, Serial No. 186,673
In Germany August 20, 1937
12 Claims. (Cl. 200—122)



1. A releasing device for electric switches having, in combination, a bearing member, an abutment member carried by and movable with respect to the bearing member, a fixing member carried by the bearing member and movable with respect to the bearing member and the abutment member, a plurality of substantially identical thermal releasing elements connected with the fixing member at corresponding portions of the thermal releasing elements, the thermal releasing elements being adapted to be subjected to deformation under heat, the abutment member being provided with abutments arranged to cooperate with other corresponding portions of the thermal releasing elements, the thermal releasing elements being so disposed as to become deformed differently between the first-named and the second-named portions, means for heating the thermal releasing elements individually, thereby to effect actuation of the abutment member in response to the deformations of the thermal releasing elements, and means for releasing a switch in response to the actuation of the abutment member.

2,199,478
SHOWER HEAD
Lexander Bruzaud, New York, N. Y.
Application September 17, 1937, Serial No. 164,313
3 Claims. (Cl. 299—83)



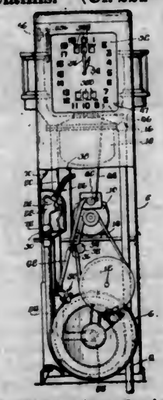
1. In a shower head, a body with an inlet and a spray outlet, and a compartment with pervious walls in said body between said inlet and said outlet, said outlet being spaced relatively to said compartment so that a chamber is formed between said outlet and said compartment, said chamber being larger in cross-section than said outlet.

2,199,479
ANESTHESIA PILLOW
Jack T. Cappel, Alexandria, La.
Application April 6, 1939, Serial No. 266,430
2 Claims. (Cl. 5—338)



1. As a new article of manufacture, an anesthesia pillow of substantially rectangular shape and gradually decreasing in thickness from its rear edge to its front edge, said pillow having a centrally arranged recess therein for receiving the head and neck of a person, said recess having an enlarged inner portion for receiving the head and a narrow front portion for receiving the neck, said front portion passing through the front edge of the pillow and the rear wall of the recess being spaced from the rear edge of the pillow for leaving a ridge between the recess and said rear edge of the pillow for forming a rest for the neck of a patient when his head is placed in the large part of the recess with the patient's neck extending over the ridge at the rear of the pillow.

2,199,480
LIQUID DISPENSING APPARATUS
William M. Carroll, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application January 31, 1936, Serial No. 61,731
17 Claims. (Cl. 221—95)



1. In a liquid dispensing device, the combination of means including a hose forming a liquid flow line, a pump for forcing liquid through said line, an electric motor for operating said pump, means operated as an incident to the movement of the hose for energizing said motor, a register mechanism, resetting mechanism for the register mechanism, and means for connecting said resetting mechanism to said motor at the end of a dispensing operation so that the initial movement of said motor in the succeeding dispensing operation will be transmitted to the resetting mechanism.

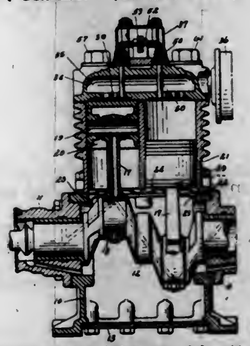
2,199,481
TANK SUPPORT
Eugene L. Chappell, Pittsburgh, Pa.
Application May 14, 1938, Serial No. 207,974
3 Claims. (Cl. 248—146)



1. Means for attaching supporting legs to

tanks having an outer shell and a lining of frangible material, to prevent distorting strains from being transmitted to the lining comprising a plurality of relatively thin L-shaped sheet metal brackets secured at their ends to said shell and spaced therefrom intermediate their ends whereby to impart a degree of flexibility to said attaching means sufficient to absorb distorting strains incident to use.

2,199,482
AIR COMPRESSOR
Niels Anton Christensen, South Euclid, Ohio
Original application October 17, 1932, Serial No. 638,123. Divided and this application February 24, 1937, Serial No. 127,511
7 Claims. (Cl. 230—228)



1. In a compressor, the combination of a seat member having a port, and a flexible flat spring valve seating over said port and floatingly retained in an operative position with one end floatingly confined to cause slight flexure of the valve in maximum opening and closing movements.

2,199,483
LAST
Charles De Minico, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 20, 1938, Serial No. 236,050
10 Claims. (Cl. 12—133)

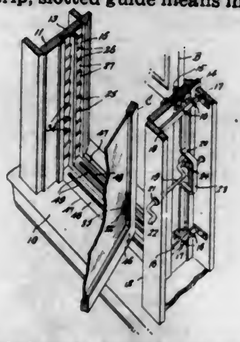


1. A last having a rigid clinching member spaced from and overlying the body of the forepart throughout its entire width, the clinching surface of said member being disposed below the normal bottom of the forepart.

2,199,484
WINDOW SASH SUPPORTING AND LOCKING MEANS
Ernest De Nicolais, New York, N. Y.
Application April 25, 1938, Serial No. 204,133
2 Claims. (Cl. 20—42)

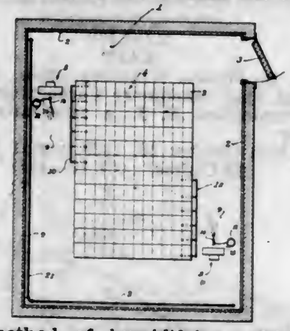
1. A window structure including a frame hav-

ing vertical jamb strips at the opposite sides thereof, sashes located between said jamb strips for guided vertical sliding movement with reference thereto, means for mounting, guiding and moving one of said jamb strips laterally towards and away from the other to permit of lateral displacement of one side edge of each sash from the jamb strip, slotted guide means in the window



sill and headed studs depending from the sashes adapted to engage with the slotted guide means for coupling the sashes to the sill for sliding the same from adjacent one side of the frame to the opposite side thereof and for swinging movement of the sashes to dispose either face thereof inwardly and substantially parallel with the plane of the frame.

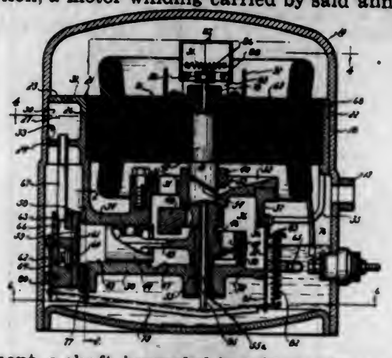
2,199,485
FOOD STORAGE
Anson W. De Vout, La Grange, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application May 13, 1936, Serial No. 79,592



2. The method of humidifying refrigerated chambers which comprises introducing water in the form of a mist at a sufficiently high rate to suspend finely divided supercooled water in the atmosphere of the chamber and positively circulating the moisture laden air in the chamber.

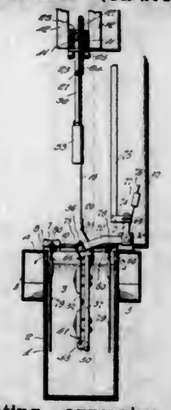
2,199,486
REFRIGERATING APPARATUS
Ralph W. Doeg, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application October 17, 1936, Serial No. 106,172
8 Claims. (Cl. 230—58)

5. In a refrigeration apparatus, a sealed annular casing having a vertical axis and forming a low pressure chamber having an opening for receiving low pressure refrigerant, the lower portion of said chamber forming a lubricant reservoir, an annular element having a vertical axis and provided with an outwardly extending eccentric flange, said flange having a tight fitting engagement with the inner wall of said casing for supporting the element within the casing with the axis of said element offset with respect to the axis of said casing, said element having an integral radial portion at one end thereof to provide a closure therefor and having integral cylinder and crankcase portions in said radial portion; a motor winding carried by said annular



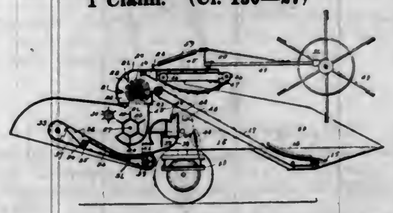
element, a shaft journaled in said crankcase portion of said radial portion and having an eccentric thereon, a piston mounted in said cylinder operatively connected to said eccentric, said shaft extending upwardly through said crankcase portion and axially within said winding, a rotatable motor element within said winding and having driving connection with said shaft, a head for said cylinder portion disposed beneath said eccentric flange, said head having an inlet opening, and conduit means connected with said inlet opening and communicating with the space above said eccentric flange.

2,199,487
APPARATUS FOR ELECTROPLATING METALLIC ARTICLES
Carol Lee Etchison, Frederick, Md., assignor, by mesne assignments, to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware
Application July 27, 1937, Serial No. 156,035
5 Claims. (Cl. 204—5)



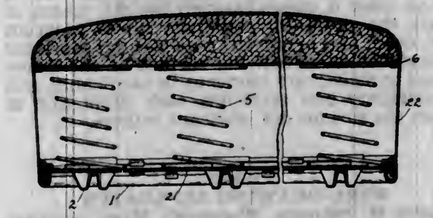
5. Electroplating apparatus comprising a frame immersible in an electroplating bath, a multiplicity of anodes mechanically supported by said frame but electrically insulated therefrom and electrically bonded together, an article carrying frame, insulated socket and latch means for detachably mounting said article carrying frame with respect to said immersible frame, and means for establishing electrical connection with articles carried by said article carrying frame as cathodes in the electroplating bath.

2,199,488
COMBINE HARVESTER
Robert G. Fleming, Chico, Calif.
Application July 27, 1936, Serial No. 92,759
1 Claim. (Cl. 130—27)



In a threshing machine, the combination with a threshing element of an open-topped casing positioned to receive material from the threshing element and having a curved lower portion to receive and support said material, a shaft within said casing, a series of radially arranged blades fixed to the shaft and extended substantially the full width of the casing and having their outer edges close to the casing at the bottom portion thereof to thereby form pockets into which the said material is delivered by the threshing mechanism and temporarily held by gravity, means for rotating said shaft for moving said material over the bottom of the casing to a point of discharge at the rear of the casing, a screening device positioned to receive the material thus delivered from the pockets, and a rotary stripper device positioned to engage material on the outer edges of said blades when they have moved beyond the bottom of the casing for removing trash therefrom.

2,199,489
SPRING AND AIR CUSHION
Daniel A. Greene, Flint, and John M. Caughey, Adrian, Mich., assignors to Stubnitz-Greene Spring Corporation, Adrian, Mich., a corporation of Michigan
Application August 8, 1938, Serial No. 223,604
7 Claims. (Cl. 155—179)



1. A spring and air cushion comprising a border frame, a bottom plate having one or more perforations therein and a resilient peripheral portion, the overall size of said bottom plate and resilient edge portion being greater than the inside dimensions of said frame, a spring assembly above the bottom plate, a cover enclosing said spring assembly, the said bottom plate being positioned within the frame whereby the resilient edge portion is held against the inside of the border frame at an angle and at all times seals the same whereby air flows into and out of said cushion substantially only through said perforations.

2,199,490
SUBMERSIBLE PUMP
James M. Hait, Los Angeles, Calif., assignor to Food Machinery Corporation, a corporation of Delaware
Application April 18, 1938, Serial No. 202,604
7 Claims. (Cl. 103—87)

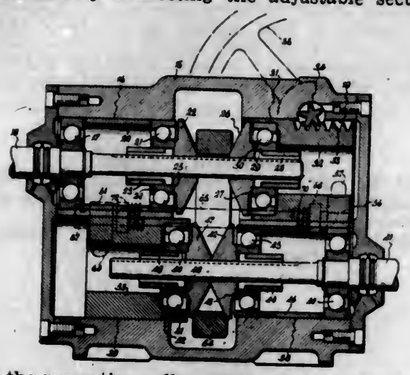


7. In a submersible pump, a pump unit having a water delivery conduit leading therefrom; a motor unit for driving said pump including a housing having a motor contained therein and a shaft driven by said motor and projecting out of a restricted passage in said housing for operative connection to said pump unit; means for supplying oil to said housing at a pressure in excess of the pressure at the outer end of said restricted passage to cause egress of oil and to prevent ingress of water through said passage; means forming a chamber around said shaft in the region of the outer end of said restricted passageway for receiving oil escaping through said passageway from said housing, said chamber forming means having an aperture around said shaft, said aperture being subjected exteriorly of said chamber to water delivered under pressure from said pump whereby pumped water flows into said chamber through said aperture; and conduit means leading from said chamber for conducting liquid therein to a point out of communication with the well water.

2,199,491
FRICTION GEAR TRANSMISSION
David Hans Heynau, Cincinnati, Ohio
Application February 14, 1939, Serial No. 256,327
10 Claims. (Cl. 74—193)

1. In a variable speed transmission of the type comprising spaced pairs of adjustable cone pulleys and an interfitting rigid connecting ring in which one cone of each pair must be simultaneously adjusted in a corresponding direction for effecting variations in speed, means for maintaining said adjustable pulley sections with their operative faces in prescribed relation one to the other for engagement with the rigid connection ring, said means comprising an adjustable mem-

ber directly connecting the adjustable sections



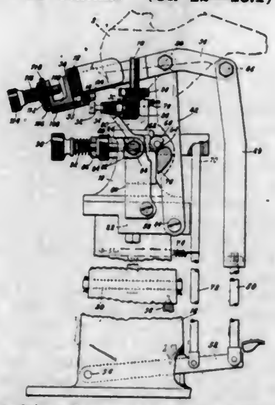
of the respective pulleys and a torsion device for effecting rotary adjustment of the member.

2,199,492

MACHINE FOR SEPARATING SHOES FROM LASTS

Adrien L. Jalbert, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application June 14, 1939, Serial No. 279,066
21 Claims. (Cl. 12—15.1)



1. A machine for separating shoes from lasts, comprising a support for a last with a shoe thereon, a shoe removing tool normally positioned away from the shoe, a cam mounted independently of said shoe removing tool to serve as an abutment, a cam connected to said shoe removing tool, a member interposable between said cams to move the second mentioned cam and thereby to cause movement of the shoe removing tool into operative position relatively to the shoe, and means for interposing said member between said cams to bring the shoe removing tool into said operative position and for causing the shoe removing tool to perform an operative movement to separate the shoe from the last.

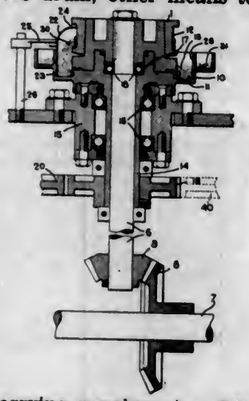
2,199,493

CONTINUOUS WIRE-DRAWING MACHINE

Charles D. Johnson, Worcester, Mass., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass., a corporation of Massachusetts

Application November 5, 1938, Serial No. 239,107
7 Claims. (Cl. 205—14)

1. A wire-drawing apparatus having a drawing die, a drawing drum provided with a wire-receiving surface on which wire is wound after passing through the die, a rotary lubricant-carrying member coaxial with and encircling the drum and adapted to contain a dry lubricant, means to rotate the drum, other means to rotate the



lubricant-carrying member at a different speed from that of the drum, and means cooperating with the lubricant-carrying member and rendered operative by the rotation thereof to deliver the dry lubricant carried thereby against the wire-receiving surface of the drum.

2,199,494

WIRE-DRAWING APPARATUS

Charles D. Johnson, Worcester, Mass., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass., a corporation of Massachusetts

Application December 17, 1938, Serial No. 246,353
4 Claims. (Cl. 205—14)



1. A wire-drawing machine comprising a plurality of dies through which the wire passes successively, a drawing drum for each die having a wire-receiving surface on which the wire is wound after it passes through the die, means to rotate the drums, a stationary chute adjacent each drum and arranged to deliver dry lubricant against the wire-receiving surface of the drum, means to deliver dry lubricant to each chute, and a stationary pan encircling each drum and in which the surplus dry lubricant collects.

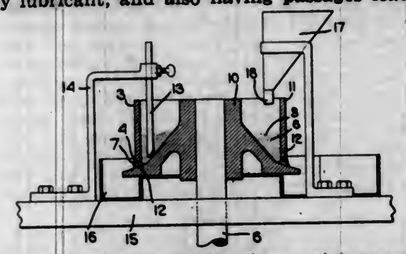
2,199,495

WIRE-DRAWING APPARATUS

Charles D. Johnson, Worcester, Mass., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass., a corporation of Massachusetts

Application December 17, 1938, Serial No. 246,354
6 Claims. (Cl. 205—14)

1. A continuous wire-drawing machine comprising a plurality of drawing drums, each having a wire-receiving surface, means to rotate the drums, a die for each drawing drum, each drum having an annular chamber adapted to contain dry lubricant, and also having passages leading



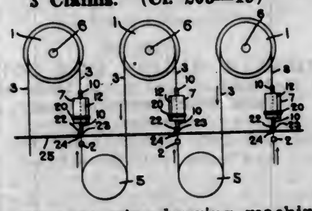
from said chamber to the wire-receiving surface of the drum, and means to stir the dry lubricant in each chamber as the drum rotates.

2,199,496

WIRE-DRAWING APPARATUS

Charles D. Johnson, Worcester, Mass., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass., a corporation of Massachusetts

Application December 17, 1938, Serial No. 246,355
3 Claims. (Cl. 205—19)



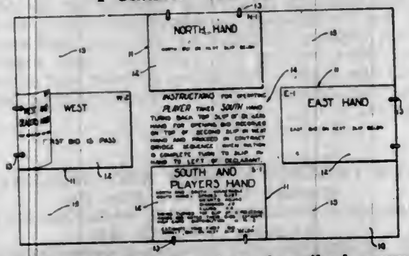
1. A continuous wire-drawing machine comprising a plurality of drawing dies through which the wire is drawn successively, a drawing drum for each die, a rotary container for dry lubricant associated with each die, the side wall and end walls of each container being slotted to permit the wire to be introduced thereinto, means for closing said slots against the escape therethrough of the dry lubricant in the container while permitting the wire to be entered into the container through the slots, and means to rotate said containers.

2,199,497

EDUCATIONAL DEVICE

Romeo J. Jondreau, Surprise, N. Y.

Application February 6, 1937, Serial No. 124,360
4 Claims. (Cl. 35—8)



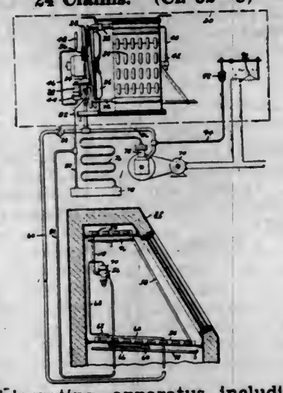
1. Apparatus of the class described comprising a plurality of pads, each constituted by a plurality of slips, said pads being labelled to designate players in a game in which marked tokens are normally employed, the successive slips of some of said pads having recorded thereon the correct bids and plays in the order in which said bids and plays are to be made by the particular hands represented and the slips of at least one of said pads having recorded thereon questions and answers designed to stimulate proper mental processes on the part of an individual playing the game and represented by said last-named pad and to instruct said individual in the proper playing of the game, said questions and the answers thereto being recorded on successive slips of the same pad.

2,199,498

REFRIGERATING APPARATUS

Daniel L. Kaufman, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application October 27, 1938, Serial No. 237,266
24 Claims. (Cl. 62—8)



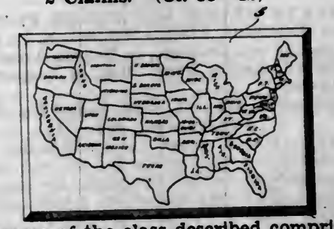
1. Refrigerating apparatus including refrigerant evaporating means for cooling a fluid, a valve means for controlling the flow of liquid refrigerant into the evaporating means, said valve means having diaphragm operating means, said valve means having a thermostat bulb located in heat exchange relation with the refrigerant outlet of the evaporating means, said valve means having a second thermostat bulb located in the path of and responsive to the cooled fluid flowing away from the evaporating means, said valve means having a third thermostat bulb located in the path of and responsive to the fluid to be cooled flowing to the evaporating means, said thermostat bulbs being operatively connected to said diaphragm operating means.

2,199,499

GEOGRAPHICAL GAME

George A. Kreitler, Greenwich, Conn.

Application June 9, 1939, Serial No. 278,343
2 Claims. (Cl. 35—42)



1. A game of the class described comprising a pattern sheet having a sectional design thereon

representing a selected geographical area, each section of which bears the name of a particular portion of said area, a plurality of sets of individual cut-outs conforming in outline to the sections of the design on the pattern sheet, each set of cut-outs having a different color and the cut-outs of each section being provided with a name corresponding to the name on one of the design sections, a proof-sheet having a plurality of names corresponding to the names on the cut-outs printed thereon and arranged in separate columns, each column being designated by a color corresponding to the color of one set of cut-outs and the names in the different columns being the same and arranged in like sequence, and a plurality of movable playing pieces having colors corresponding to the colors on the proof-sheet and cut-outs respectively and bearing names corresponding to the names on the cut-outs and pattern sheet, said cut-outs being adapted to be assembled to conform to the geographical design on the pattern sheet and said playing pieces being adapted to be positioned on the proof-sheet to determine the assembly of said cut-outs by a player.

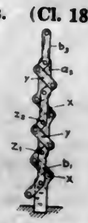
2,199,500

CHAIN LINK BAR

Julius Lévai, Budapest, Hungary

Original application November 5, 1938, Serial No. 239,190. Divided and this application May 6, 1939, Serial No. 272,075. In Hungary September 3, 1937

6 Claims. (Cl. 189—34)



1. A chain link bar adjustable into various curved shapes, comprising an uninterrupted chain of links and control means adapted upon any change of the relative angular adjustment of any one of said links to cause simultaneously and positively a corresponding change of the angular adjustment of the other links, in which bar the links are arranged in two groups, and links of each group are connected by pivots with two links of the other group and, in addition, the links of each group are connected with each other by pitman rods to form a continuous individual chain, said links having extensions beyond said pivots and said pitman rods connecting said extensions at points outside the central line of the bar passing through the centers of said pivots.

2,199,501

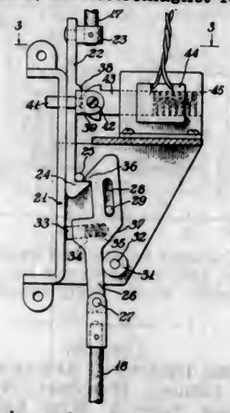
SAFETY DEVICE FOR PUNCH PRESSES

James MacBlane, Elmira Heights, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application May 24, 1938, Serial No. 209,751

3 Claims. (Cl. 192—131)

1. In a punch press, in combination with a ram, operating mechanism for the ram and controlling means for the operating mechanism including a draw bar and slide, a manually operable trip member normally tractively engaging said slide, means whereby operation of the trip member to actuate the slide causes the trip to disengage from the slide by the final motion of the trip member, a latch maintaining the slide in idle position, an electromagnet for withdrawing said latch, and means for energizing said electromagnet including a pair of manually operable switches in series, located remote from the ram and from each other.



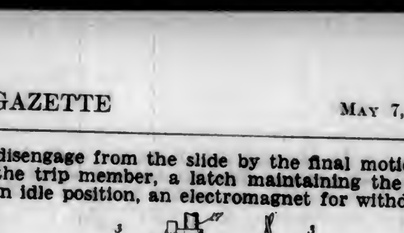
2,199,502

METHOD OF MAKING AXLE HOUSINGS

Robert H. Maddock, Lakewood, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application April 1, 1938, Serial No. 199,469

5 Claims. (Cl. 29—153.1)



1. The method of forming a banjo portion for rear axle housings consisting of cutting a pair of flat rectangular blanks each with an enlarged medial portion, forming a central depression in the enlarged medial portion of each blank with the ends of the blank deflected out of the plane of the medial portion and partly channeled, perforating the depressed portion of each blank, further forming each blank to a semi-circular channeled half ring while bending out the edges of the perforation to form an integral medial short tubular extension around said perforation, and then welding the two half rings together with the tubular extensions aligned and extending from opposite sides of the completed banjo portion.

2,199,503

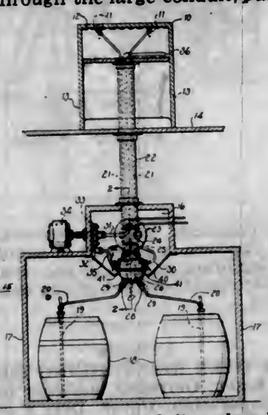
BEER COOLING SYSTEM AND APPARATUS

Michael A. Martin, Erie, Pa.

Application December 11, 1937, Serial No. 179,247

9 Claims. (Cl. 225—40)

1. In combination a beverage dispenser adapted to contain a cooling liquid, a storage cabinet at a point remote from the dispenser, a beverage container in the storage cabinet having a beverage supply line associated therewith for supplying beverage to the dispenser, a cooling apparatus for the dispenser and storage cabinet comprising a tank disposed within the storage cabinet adapted to contain cooling liquid, heat exchange means associated with the tank to maintain the cooling liquid below a pre-determined temperature, the tank being formed of heat conducting material whereby air in the storage room may be cooled by contact therewith, a relatively large heat insulated conduit inter-connecting the tank and dispenser and having the beverage supply line projected therethrough, a small conduit inter-connecting the tank and dispenser and projected through the large conduit, pump means



associated with the conduits whereby cooling liquid from the tank may be forced through the small conduit to the dispenser and returned to the tank through the large conduit, the tank being disposed adjacent the cabinet top and spaced from the walls thereof whereby warm air may pass upwardly to contact the tank, and baffle means spaced from opposite walls of the cabinet whereby warm air may flow upwardly intermediate said walls and baffle means over the tank and downwardly between said baffle means retarding the downward passage of air and directing the air into contact with the tank.

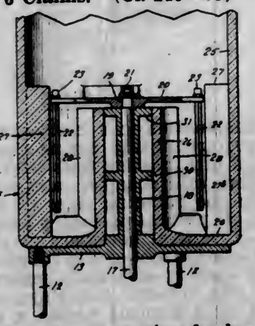
2,199,504

APPARATUS FOR FOOD PREPARATION

John M. Marty, Parma, Ohio

Application July 1, 1937, Serial No. 151,435

6 Claims. (Cl. 146—68)



1. In a device for preparing food, a receptacle having an upwardly opening, generally annular, food receiving space and a cutting element mounted for rotation in said space about a substantially vertical axis, substantially coaxial to said space, said receptacle being provided with baffles projecting into said space and cooperating with said cutting element to agitate the contents, said baffles projecting into said space inwardly from the outer receptacle wall, outwardly from the inner receptacle wall and upwardly from the bottom receptacle wall.

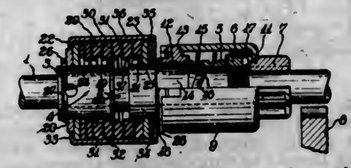
2,199,505

ENGINE STARTER GEARING

William L. McGrath and Maurice P. Whitney, Elmira, N. Y., assignors, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application January 20, 1938, Serial No. 185,872

6 Claims. (Cl. 74—7)



1. In starter gearing for internal combustion engines, a motor shaft, a pinion movable thereon into and out of engagement with a member of an engine to be started, and means for actuating said pinion including a driving member, a driven member, a plurality of separate relatively displaceable discs of elastically deformable material interposed therebetween, means interposed between the discs for centralizing the discs on the shaft while permitting radial deformation of certain of the discs, and torque-responsive means for compressing the discs and centralizing means between the driving and driven means whereby the discs and centralizing means may yieldably transmit torque between the driving and driven means.

2,199,506

TRIMMING MACHINE

James E. McIntire, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

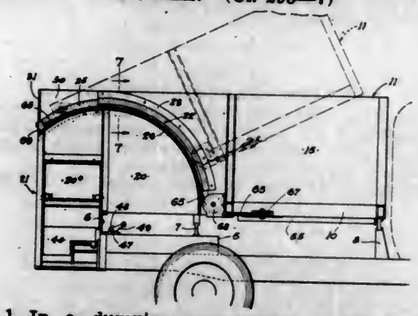
Application March 14, 1938, Serial No. 195,720

11 Claims. (Cl. 12—83.5)



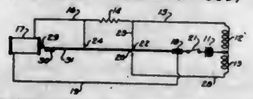
1. A trimming machine comprising two cooperative work-guiding members, and a power-operated cutter arranged to sever a strip of the lasting margin of the upper lying on a surface of the insole of a lasted shoe, said cutter having a smooth surface behind its cutting edge to bear on said surface of the insole, and one of said work-guiding members being arranged to bear on the strip to be severed and thereby cooperate with said surface of the cutter to maintain the insole out of the cutting range while said strip is being severed, and the other one of said work-guiding members being arranged to be engaged by the perimeter of the shoe-bottom.

2,199,507
DUMPING CONVEYANCE
Ira Scott Mick, Cleveland, Ohio
Application November 7, 1938, Serial No. 239,275
11 Claims. (Cl. 298—7)



1. In a dumping conveyance, a supporting structure, a load carrying body pivotally connected at its discharge end to said structure, hoisting means having operative connection with the structure but carried solely by and movable with the body for dumping it, and means incorporated in the conveyance, adjacent said discharge end of the body, adapted for adjustment whereby to direct the material constituting the load to any selected one of a plurality of load discharging directions.

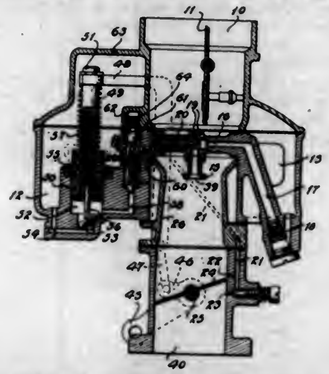
2,199,508
VIBRATOR
Allen S. Nace, East Cleveland, Ohio, assignor to The Radiart Corporation, East Cleveland, Ohio, a corporation of Ohio
Application November 16, 1939, Serial No. 304,871
5 Claims. (Cl. 175—365)



1. A vibrator circuit comprising a source of current, a primary transformer coil connected thereto, a starting coil, a resistance coil one end of which is connected to said starting coil and the other end of which is connected to said primary coil, a spring-like electrical conductor connected to said source adapted to be attracted by said starting coil, a conductor connecting said starting coil and said first-named conductor, and two normally opened contact points adapted to contact said first-named conductor when said conductor moves in one direction, one of said points being interposed between said starting coil and said resistance coil, and the other of said points being interposed between said resistance coil and said primary coil.

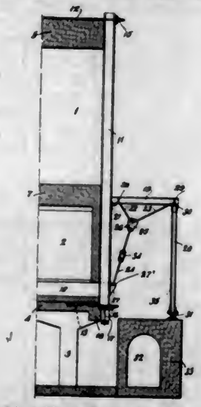
2,199,509
CARBURETOR ACCELERATING MEANS
Elmer Olson, Detroit, Mich., assignor to M. E. Chandler, Detroit, Mich.
Application October 22, 1937, Serial No. 170,459
1 Claim. (Cl. 261—34)

In a carburetor having an air entrance, a mixing chamber, a mixture outlet, a throttle valve therein, an accelerating fuel pump, a fuel outlet therefrom discharging into the air entrance of the carburetor, a two part check valve in said fuel outlet, the lower portion being adapted to close the outlet, the upper portion being adapted to engage with the lower portion and to act as a piston responsive on the lower side to the suction in the air entrance on the atmospheric side of the throttle valve, and on its upper



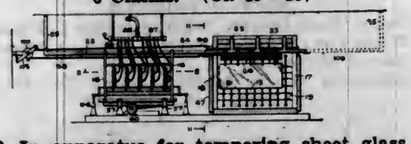
side to atmospheric pressure whereby the atmospheric pressure is adapted to supplement the weight of the lower portion of the check valve in order to overcome the effect of the suction in the air entrance.

2,199,510
COKE OVEN REINFORCING MEANS
Carl Otto, Essen, Germany, assignor to Fuel Refining Corporation, Dover, Del., a corporation of Delaware
Application November 1, 1937, Serial No. 172,125
In Germany December 18, 1936
7 Claims. (Cl. 202—268)



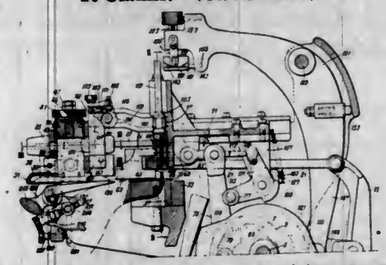
1. The combination in a horizontal coke oven battery structure having coking chambers and walls formed with heating flues alternating with said chambers, said chambers and walls extending between the opposing sides of the battery, and having air preheating means below the oven chambers, of vertical buckstays at the sides of the battery, one in front of and adapted to engage each end of each of said walls, separate bracing devices for the different buckstays, each device including a rigid element having a portion engaging the corresponding buckstay adjacent the oven floor level and held against movement relative to said buckstay downwardly or inwardly toward said battery structure and extending outwardly away from the battery, a tension connection between said element and the lower portion of said buckstay, and means engaging a portion of said element at a distance from the battery and opposing downward movement of the last mentioned portion.

2,199,511
PROCESS AND APPARATUS FOR TEMPERING GLASS
Harold Perry, Stone, and Augustus William Grotefeld, Stafford, England, assignors to Gilt Edge Safety Glass Limited, Stone, England, a company of Great Britain
Application September 30, 1935, Serial No. 42,770
In Great Britain October 3, 1934
6 Claims. (Cl. 49—45)



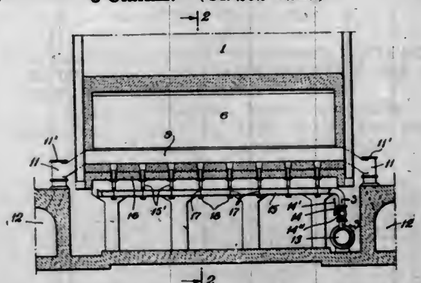
2. In apparatus for tempering sheet glass, a plurality of spaced nozzles adapted to discharge liquid simultaneously on opposite faces of the sheet, said nozzles having each a liquid and gas discharge orifice, said gas discharge orifice being arranged concentrically around said liquid discharge orifice, the latter being disposed in advance of said gas discharge orifice, means for supplying liquid simultaneously to each of said liquid discharge orifices, and means for supplying gas under pressure simultaneously to each of said gas discharge orifices to produce a plurality of sprays of liquid in a fine state of division which are adapted to impinge simultaneously on opposite faces of the sheet.

2,199,512
TOE-TRIMMING MACHINE
William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 6, 1939, Serial No. 277,665
In Great Britain August 19, 1938
10 Claims. (Cl. 12—83.5)



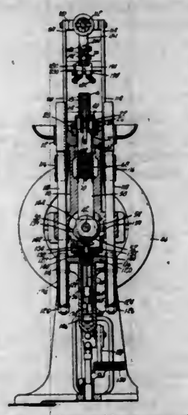
1. A trimming machine comprising a cutting bed having a U-shaped recess to receive and embrace the toe end of a partially fabricated shoe in which the lasting margins at that end are unsecured, gaging means arranged to locate the forepart of the shoe heightwise, said cutting bed having a work-supporting surface on which said lasting margins may be spread outwardly, power-operated means arranged to spread said margins outwardly on said cutting bed, a trimming knife having a cutting edge extending widthwise of said recess, and power-operated means arranged to operate said knife to sever surplus materials from the outspread margins on said cutting bed with movement lengthwise of the shoe and away from the heel end thereof.

2,199,513
UNDERFIRED REGENERATIVE COKE OVEN
Walter Stäckel, Bochum, Germany, assignor to Otto-Wilputte Ovenbouw Mij. (Otto-Wilputte Oven Construction Company) N. V., The Hague, Netherlands, a corporation of the Netherlands
Application July 7, 1939, Serial No. 283,150
In Germany November 14, 1938
3 Claims. (Cl. 202—241)



1. In the operation of an underfired regenerative coke oven including an elongated regenerator and in which a combustible agent to be preheated in each such regenerator is supplied thereto through a metal pipe alongside the regenerator and having outlets connected to the latter at points distributed along its length and including means for withdrawing waste gases from said regenerator at its end, the method of excluding waste gases from said metal pipe during periods in which waste gas is being withdrawn from the regenerator, which consists in then passing a non-injurious gas through said pipe and its outlets into the regenerator.

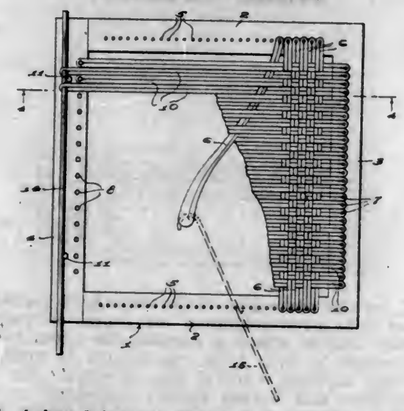
2,199,514
FASTENING-INSERTING MACHINE
Frank E. Stratton, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 24, 1938, Serial No. 186,534
65 Claims. (Cl. 1—32)



1. In a fastening-inserting machine, a support adapted to enter a shoe, a plurality of sets of fastening-drivers arranged to reciprocate in the support and arranged in accordance with an inserting design lying substantially concentric with the periphery of the heel-seat-margin of

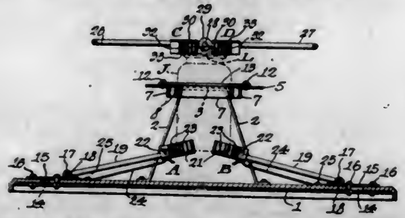
the shoe, and a plurality of rotatable cams, each of the cams acting individually upon a set of drivers.

2,199,515
LOOM
Jessie A. Woods, Ashland, Ky.
Application December 20, 1938, Serial No. 246,879
2 Claims. (Cl. 139—34)



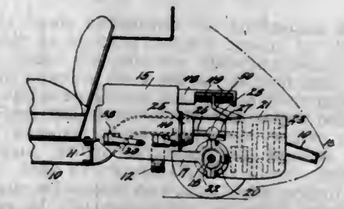
1. A hand loom comprising a relatively small rectangular shaped frame with a recessed portion at one side having guide posts positioned thereon, and outwardly extending pins providing yarn holding units on the upper surface, characterized in that the pins on three of the sides are straight whereas the pins on the fourth or recessed side are crooked adjacent their upper ends preventing yarn slipping therefrom, and further characterized in that there are only half as many pins on the said fourth or recessed side as on the other three sides, and these are positioned in line with corresponding pins on the side opposite, and a bar adapted to be held against the said guide posts on the said fourth or recessed side by loops of yarn on the loom with the opposite ends of the loops on the pins on the side opposite, said bar adapted to be moved upward and downward during weaving to move alternate loops of yarn upward and downward.

2,199,516
JAR VISE
William Yeatts, West Friendship, Md., assignor to George C. Zouras, Washington, D. C.
Application October 28, 1938, Serial No. 237,549
1 Claim. (Cl. 81—3.3)



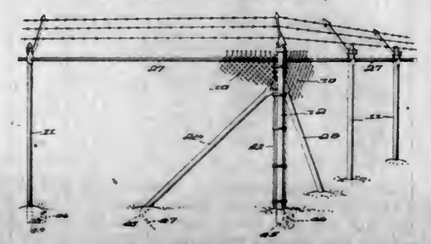
A jar vise including a base, spaced attaching plates adjustably secured to the base, oppositely disposed yokes pivotally mounted on the respective plates, a jaw carried by each yoke, each jaw including a thrust plate, a cross strip thereon, means at the ends of the plate for engagement by the yoke, a resilient gripping element on one surface of the cross strip, springs interposed between the jaws and base for holding said jaws normally inclined upwardly toward each other, and a guide fixedly mounted above and carried by the base, said guide constituting means for receiving a jar and holding it against swaying movement while supported on the thrust plate, and said attaching plates being adjustable toward or from each other to move the jaws relative to the base and springs into position to grip jars of different diameters.

2,199,517
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 7, 1938, Serial No. 194,501
11 Claims. (Cl. 180—54)



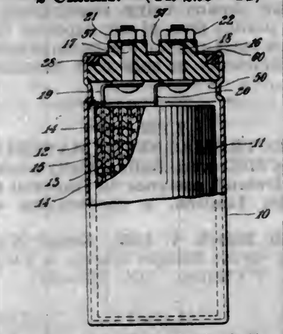
1. In a motor vehicle, the combination with a vehicle frame and road wheels, of means yieldably supporting said frame on said wheels, means including differential gearing for transmitting driving power to said wheels, a housing for said gearing, an engine unit supported rigidly on said frame, means supporting said housing on said engine unit for rotation about a transverse axis, and yielding means separate from said first named means and acting alone between said frame and housing to resist rotation of the latter.

2,199,518
FENCE
Harry Weldon M. Coleman, Huntington Park, Calif.
Application February 23, 1937, Serial No. 127,335
6 Claims. (Cl. 256—35)



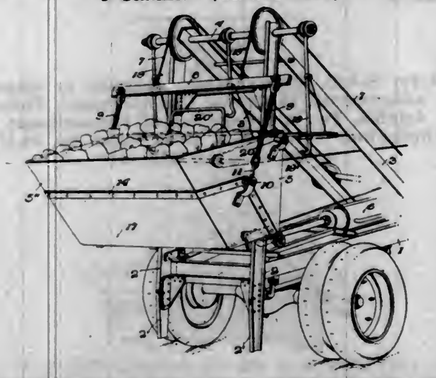
1. As a new article of manufacture, a metallic fence post comprising a substantially flat head portion, symmetrically arranged recesses provided in the opposite edges of the head for receiving and retaining fence members, and a transverse rectangular opening provided in the body portion of the post and spaced relative to the symmetrically arranged edge recesses for receiving a similarly arranged head portion of another fence member so that the recesses disposed on opposite sides of the head shall interlock with the sides of said opening.

2,199,519
ELECTROLYTIC DEVICE
Joseph L. Collins and Alexander Durant, Jr., North Adams, Mass., assignors to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts
Application July 21, 1937, Serial No. 154,906
2 Claims. (Cl. 220—44)



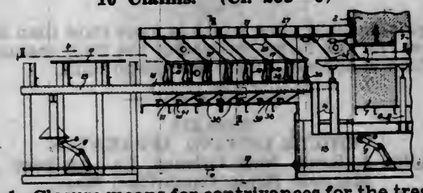
1. Venting means for electrolytic condensers having a container closed by a cover, said means comprising a vent gasket and a recessed portion in the cover to receive same, said cover being provided with two concentric cavities, one on top of the other, the upper cavity being of very small diameter and the lower cavity of somewhat larger diameter, the upper cavity being partly surrounded by a thin wall portion and the lower cavity having a fissure under said gasket, said venting means being adapted to vent the gases developed in the normal operation of the condenser through the bottom cavity and the gasket portion overlying the fissure, and to vent gases at pressures considerably in excess of the normal pressures by the rupture of said thin wall portions to thereby liberate the gas through said bottom cavity and through the opening provided by the removal of said wall portions.

2,199,520
TRANSPORTING AND DUMPING VEHICLE
George R. Dempster, Knoxville, Tenn.
Application December 23, 1936, Serial No. 117,387
5 Claims. (Cl. 214—117)



1. The combination of a vehicle, an upwardly extending track or way mounted thereon, a container movable upward and downward on said track or way, said container having its bottom portion hinged thereto along the line of the bottom of the rear wall thereof, and having a portion of each end wall and a portion of the front wall connected thereto, power mechanism, means connecting said power mechanism with said bottom portion at a point adjacent the front wall of said container, said means including the portions of each end wall attached to the said bottom portion, and means for engaging said container at a point above its center of gravity and supporting said container when the power mechanism is released.

2,199,521
CONTRIVANCE FOR TREATING MATERIALS WITHIN A GAS ATMOSPHERE OF INCREASED PRESSURE
Wilhelm Doderer, Essen, Germany
Application August 12, 1938, Serial No. 224,445
In Germany August 21, 1937
10 Claims. (Cl. 263—6)



1. Closure means for contrivances for the treatment of materials in a gaseous atmosphere of increased pressure against the open air, such as furnaces for annealing of metal sheets, such contrivances being provided with a walking beam conveyor for moving the material to be treated through the treating chamber, said walking beam conveyor having alternately arranged movable beams and stationary beams, comprising a movable flap shutting-off the chamber-opening passed by the material to be treated, said movable flap being arranged so as to swing round a horizontal axis and to be opened by the material moved upon the walking beam conveyor, said flap being self-closing after the material to be treated has come out of contact with said flap, a stationary beam of the walking beam conveyor placed within the moving range of said flap so that the lower edge of said flap fits against said stationary beam when in closing position, said stationary beam connected in a gas-tight manner to the inner walls of the treating chamber, the movable and the stationary beams of said conveyor extending cross-wise to the moving direction of said conveyor within the range of said flap.

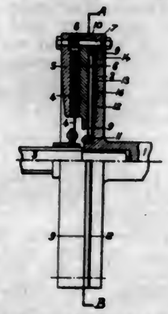
2,199,522
SUGAR SIRUP
Martha R. Jones, San Francisco, Calif.
No Drawing. Application September 3, 1937, Serial No. 162,388
9 Claims. (Cl. 99—142)

1. A sirup useful as a milk supplement, said sirup comprising concentrated sugar cane juice and citrus fruit juice containing substantially all the minerals and vitamins present in said juices in their natural state, and a partially neutralized citrus fruit juice having an acid content insufficient to curdle milk.

2,199,523
CLUTCH WITH HYDRAULICALLY COMPRESSED DISKS
Adolphe Kégresse, Paris, France
Application January 18, 1939, Serial No. 251,641
In France January 20, 1938
4 Claims. (Cl. 192—88)

1. In a clutch having disks which are hydrau-

lically shifted in the axial direction through the medium of a yieldable diaphragm forming a chamber for the fluid under pressure, a second



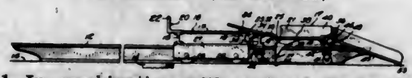
yieldable diaphragm which is more rigid than the first one and forms the wall of the fluid chamber which is opposed to the first diaphragm.

2,199,524

VEHICLE LIFTING APPARATUS

Philip J. Kroll, New Orleans, La., assignor to Marjorie Kroll, Cambridge, Mass.

Application January 23, 1939, Serial No. 252,483
25 Claims. (Cl. 254—89)



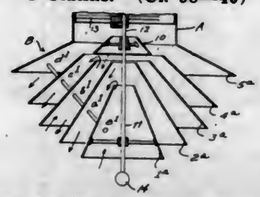
1. In combination with a free wheel vehicle lift having a pair of supporting rails normally engageable with the axles of a vehicle, a plurality of supporting structures carried by said rails, each of said supporting structures being engageable with a pair of vehicle wheels whereby upward movement of said rails will be imparted directly to the wheels of the vehicle, and rollers for supporting one of said structures for movement toward and away from the other structure.

2,199,525

AIR DISTRIBUTING DEVICE

Franz J. Kurth, New York, N. Y., assignor to Anemostat Corporation of America, a corporation of Delaware

Application February 24, 1937, Serial No. 127,341
8 Claims. (Cl. 98—40)



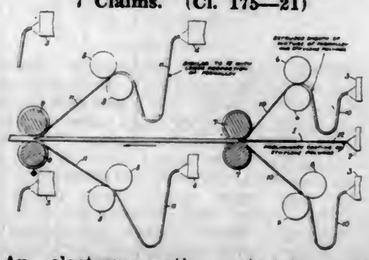
1. An air distributing and aspirating device comprising a plurality of successively smaller, open-ended, hollow, flaring members having their smaller ends facing the rear or air supply end of the device, said members being spaced successively forwardly of one another to provide a series of flaring passageways therebetween, the rear ends of said members being successively smaller and being spaced successively laterally inwardly of one another, and air deflector means separate from said members disposed rearwardly of the rear ends of certain of said members and effective to direct air supplied to the device into a portion of one of said passageways and to prevent the supplied air from entering another portion of the same passageway and also from entering at least a portion of an adjacent passageway, whereby the supplied air flowing forwardly through one portion of the first mentioned passageway produces a rearward flow of air in at least a portion of the adjacent passageway, said air deflector means being constructed and arranged to permit flow of air supplied to the device into at least one of the passageways that is disposed forwardly of said first mentioned passageway.

2,199,526

ELECTROMAGNETIC MATERIAL

John Lewis McCowen, Baline, Ballybrack County, Dublin, Ireland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

Application March 4, 1938, Serial No. 193,994
In Great Britain March 5, 1937
7 Claims. (Cl. 175—21)



1. An electromagnetic material comprising permalloy particles embedded in a polymer of ethylene which is solid at ordinary temperatures, said polymer of ethylene corresponding in composition substantially to $(CH_2)_x$ and showing a crystalline structure upon X-ray examination.

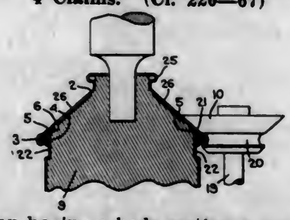
7. An electrical cable comprising a core surrounded by a plurality of sheaths of permalloy particles embedded in a polymer of ethylene which is solid at ordinary temperatures, the percentage of permalloy particles in each sheath being smaller the further they are situated from the core, said polymer of ethylene corresponding in composition substantially to $(CH_2)_x$ and showing a crystalline structure upon X-ray examination.

2,199,527

CAN

Harry Sebell, Boston, Mass., assignor, by mesne assignments, to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 6, 1935, Serial No. 48,477
4 Claims. (Cl. 220—67)



1. A can having a body section, a conical neck section formed with a depending fold fitting within the top of the body section, said body section and neck section being secured together by two outwardly-extending seaming flanges, one on the neck section and one on the body section,

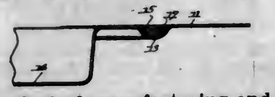
which are rolled together to form a double lock seam, said neck section being formed with a reenforcing fold on its exterior immediately above the double lock seam, which reenforcing fold overlies the base portion of the neck.

2,199,528

METHOD OF MAKING CONTAINER CLOSURES

Harry Sebell, Boston, Mass., assignor, by mesne assignments, to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 16, 1936, Serial No. 101,153
12 Claims. (Cl. 113—121)



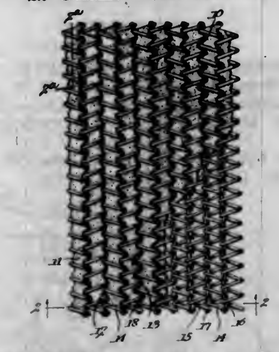
1. The method of manufacturing and applying to containers, a closure of the type having a vertical skirt adapted to engage in sealing contact with the wall of the container, which comprises providing a substantially flat closure blank, forming a depression in the blank in a portion thereof which is to form the skirt, said depression forming a closed path surrounding the center of the blank, disposing a plastic sealing material in said depression while the blank is in substantially flat and unformed condition, causing the material to solidify in said depression and adhere to the blank, bending the vertical skirt from the blank on a closed line between the center of the blank and said depression with said depression and sealing material in said area, applying the formed blank to the mouth of the container with the skirt in engagement with the wall of the container and the open side of said depression facing the container wall, and sealing the container by indenting the wall thereof opposite said depression toward the open side of said depression to force the sealing material therein into intimate engagement with the container wall.

2,199,529

LEHR BELT AND METHOD OF MAKING THE SAME

Orie Shackelford, Fairmont, W. Va.

Application October 20, 1936, Serial No. 106,681
22 Claims. (Cl. 154—4)



1. A belt adapted for use in a glassware annealing lehr, comprising a metallic mesh fabric and a mass of substantially hardened, plastic heat resisting and insulating material substantially filling the interstices of said mesh and substantially permanently bonded thereto.

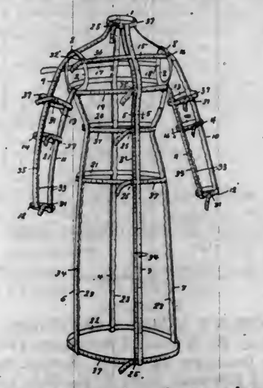
15. The method of making a lehr belt characterized by high heat insulating properties, which comprises the step of substantially filling the interstices of a preformed wire mesh fabric with a plastic heat insulating material and substantially permanently bonding the same thereto.

2,199,530

MEASURING HARNESS

Muriel L. Thompson, Bloomfield, N. J.

Application October 14, 1938, Serial No. 235,062
1 Claim. (Cl. 33—15)



Measuring harness for dressmakers comprising a collar band, a pair of strip-like zipper sections one attached to and depending from the front side of said band, and each comprising a measuring tape, a back measuring tape depending from the rear side of said collar band, a pair of armhole bands, a pair of right and left side measuring tapes depending from the under side of said armhole bands, respectively, and a plurality of graduated bust, waist and bottom skirt bands, respectively, mounted on said tapes and having slide buckles thereon for variably connecting the ends thereof together, said plurality of bands being detachably attached at one end to one of the tapes of said pair, and coacting snap action devices on the attached ends of said plurality of bands and the slide buckles of said bands for attaching said buckles to said ends of the bands.

2,199,531

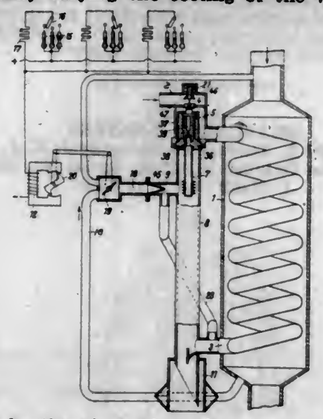
AUTOMATIC REGULATING DEVICE FOR AIR HEATING PLANTS IN RAILWAY VEHICLES

Friedrich von Schütz, Berlin-Lichterfelde-West, and Bruno Vogée, Berlin-Wilhelmshagen, Germany, assignors to Julius Pintsch Kommanditgesellschaft, Berlin, Germany

Application September 23, 1936, Serial No. 102,194
In Germany October 4, 1935
15 Claims. (Cl. 236—68)

1. A device for automatically regulating the supply of heating medium to the air heater of an air-heating plant in a railway car, comprising a valve in the piping which supplies heating medium to the air heater, a thermal relay for controlling the valve, said relay comprising in combination a spring body for actuating the valve, a vaporising vessel, combined with the spring body, a vaporising liquid in the vaporising vessel, means for supplying a constant quantity of heat to the vaporising vessel, a jacket surrounding the vaporising vessel, a feed pipe for supplying a branch current of the heating air to the jacket, a discharge pipe extending from the

jacket into the atmosphere, and means for automatically varying the cooling of the vaporising



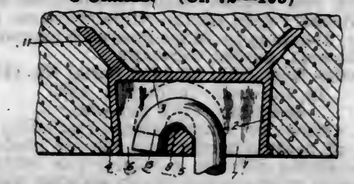
vessel by the air in dependence upon the temperature of the car.

2,199,532
SHUNT WIRE FASTENER
Arthur B. Weeks, Cleveland, Ohio
Application October 18, 1938, Serial No. 235,666
3 Claims. (Cl. 171—326)



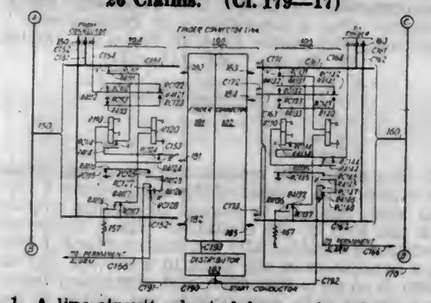
1. A carbon brush formed with a socket tapered towards its inner end, a conductor formed of twisted strands, and a terminal consisting of a longitudinally tapered helical coil of conductive metal fitting about an end portion of said conductor and tightly gripping the same, said terminal and the portion of the conductor surrounded thereby extending into said socket and held therein by engagement of convolutions of the terminal with walls of the socket.

2,199,533
ANCHORING DEVICE
Arthur A. Wuellner, Columbus, Ohio
Application January 26, 1939, Serial No. 252,999
3 Claims. (Cl. 72—105)



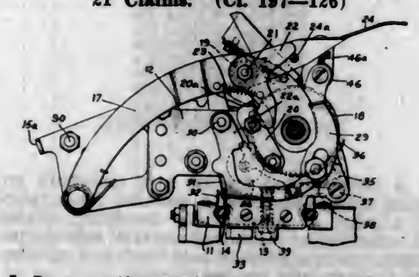
3. An anchoring device of the type described comprising a hollow body portion, said hollow body portion having its inner side closed and having end and side walls which taper inwardly towards the center of said body portion so that said body portion decreases in cross-sectional area from its inner side to its outer side, said body portion having a rib formed at its outer side intermediate the ends of said body portion and extending transversely, said rib being so disposed and of such shape that two openings are formed in the outer side of said body portion, one of which is elongated.

2,199,534
TELEPHONE SYSTEM
Pier Bakker, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 12, 1938, Serial No. 239,990
26 Claims. (Cl. 179—17)



1. A line circuit adapted for use in a telephone system including a line accessible to an automatic switch, said line circuit comprising, in combination, line and cut-off relays, a first contact set operatively associated with said line relay, a second contact set operatively associated with said cut-off relay, a third contact set, means normally effective operatively to associate said third contact set with said line relay, each of said contact sets having a normal position and being operative away from its normal position in response to the operation of the one of said relays with which it is operatively associated, means responsive to the creation of a calling condition on said line for causing said line relay to be operated, means responsive to the seizure of said line by said automatic switch for causing said cut-off relay to be operated, means controlled by the operation of said cut-off relay for rendering said first-mentioned means ineffective, additional means controlled by the operation of said second contact set away from its normal position for causing said line relay to be operated, and circuits for controlling said automatic switch governed in accordance with the positions of said contact sets.

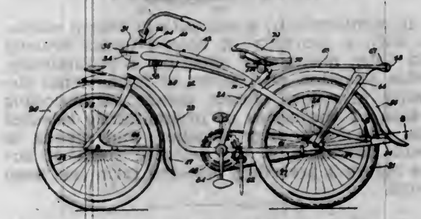
2,199,535
TYPEWRITING MACHINE
Charles H. Beiderbecke, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 25, 1937, Serial No. 127,684
21 Claims. (Cl. 197—126)



5. In a continuous billing machine, in combi-

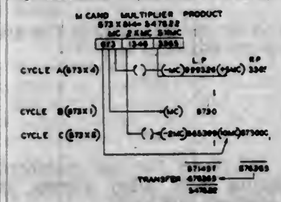
nation with the carriage, a pair of arms with their rear ends pivotally mounted at the rear of the carriage, a platen rotatably mounted on the forward ends of said arms, means movably mounted on said arms and engaging fixed parts of the carriage for holding the platen in a writing position and releasable to permit the platen to be displaced to an inactive position above the rear portion of the carriage, and a manual member pivotally mounted on one of said arms for operating the holding means, said manual member being initially movable to release the holding means and thereafter movable to displace the platen to the inactive position.

2,199,536
BICYCLE
Kelvin H. Booty, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 11, 1936, Serial No. 58,640
4 Claims. (Cl. 280—281)



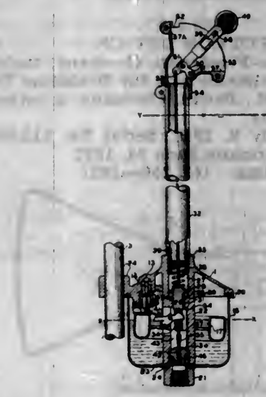
1. In a bicycle, the combination of a hollow top frame member of oval cross section with its longest diameter horizontal, a hollow rear frame member, a pair of hollow members constituting the two arms of a rear wheel fork, and a casting for rigidly connecting all four of said members having a plurality of lugs telescoping into said members, the body of said casting being oval-shaped in cross section and extending forwardly to provide a lug fitting into said top member and extending rearwardly in bifurcated form to provide the lugs for the two arms of the rear fork, the lug for the rear member extending downwardly from the body, said casting also having tubular portion extending upwardly and rearwardly to receive a seat post and constituting an extension of the rear member.

2,199,537
MULTIPLYING MACHINE
Charles Campbell, London, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 6, 1936, Serial No. 78,123
In Great Britain May 23, 1935
6 Claims. (Cl. 235—61.8)



1. In a machine of the class described, a pair of entry receiving devices, means for entering a multiplier factor in one device and a multiplicand factor in the other device, a readout mechanism for the multiplier entry receiving device, further readout mechanisms for the multiplicand entry receiving device, result accumulating means, settable source means including said multiplicand readout mechanisms from which the multiplicand, the complement thereof, twice the multiplicand, the complement thereof, five times the multiplicand and ten times the multiplicand may be derived, and means controlled by the multiplier readout mechanism for selectively causing a single value comprising the multiplicand or a multiple thereof corresponding to a multiplier digit, or a pair of values comprising either the multiplicand and a multiple thereof or a pair of multiples, or a pair of values comprising a multiple and a complement of a multiple or the complement of the multiplicand, the sum of which pair of values corresponds to the product of the multiplicand by a multiplier digit, to be derived from said source means and entered into said result accumulating means.

2,199,538
CONSTANT LEVEL CHAMBER
Lars S. Curry, Ferguson, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application March 17, 1939, Serial No. 262,347
8 Claims. (Cl. 137—68)

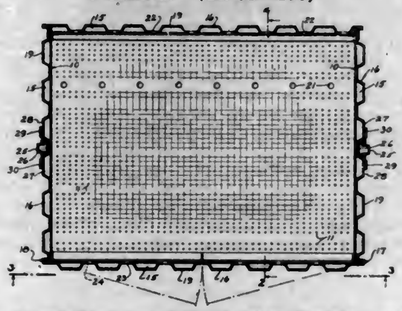


1. In a constant level device for fuel feed systems, means forming a fuel chamber, an inlet and an outlet passage communicating with said chamber, a vent in the upper portion of said chamber, a float operated mechanism for controlling said inlet, and a single control means for closing said inlet, said outlet and said vent.

2. In a constant level device for fuel feed systems, means forming a fuel chamber, an inlet and an outlet passage communicating with said chamber, a vent in the upper portion of said chamber, a float operated valve adapted to control said inlet, a dual valve assembly for controlling said outlet and said vent and yieldable means for closing said float operated valve as said dual valve assembly is moved to a closed position.

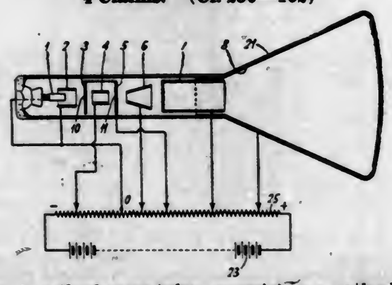
3. A device as specified in claim 2 in which said dual valve assembly comprises two valve members, one member being adapted to control said outlet, and one member being adapted to control said vent, said outlet control member being telescoped within said vent control member, yieldable means normally holding said outlet control member in an extended position, and resilient means for normally urging said dual valve assembly toward a closed position.

2,199,539
WASHING MACHINE BASKET
Otto T. Dehle, Long Island City, N. Y.
Application February 6, 1937, Serial No. 124,387
7 Claims. (Cl. 68—197)



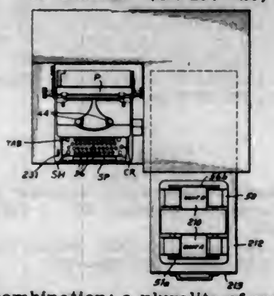
1. A washing machine basket having perforated bottom and outer side walls and a plurality of manifolds having imperforate outer walls overlying said perforated outer side walls, said manifolds being open at their bottoms to permit the free escape of liquid therefrom.

2,199,540
ELECTRON DEVICE
Kurt Diels, Berlin-Friedenau, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 6, 1938, Serial No. 217,682
In Germany June 24, 1937
4 Claims. (Cl. 250—162)



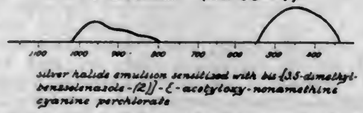
4. A cathode ray tube comprising a cathode, a concentrating electrode concentric with the cathode, an apertured disk electrode in register with both the concentrating electrode and cathode, followed by, in the order named and positioned in register with the disk electrode and spaced longitudinally therefrom and from each other, a cylindrical electrode, a second apertured disk electrode, an apertured imaging conical electrode adapted to be maintained negative with respect to said second apertured disk electrode to repel secondary electrons from the apertured disk, a first anode, a second anode, means within the tube to maintain the two disk electrodes at the same potential, and a target surface positioned in register with all of said electrodes and beyond said second anode.

2,199,541
DATA TRANSCRIBING MACHINE
Laurence S. Harrison, Hartsdale, and Edward J. Rabenda, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 30, 1937, Serial No. 133,762
30 Claims. (Cl. 197—20)

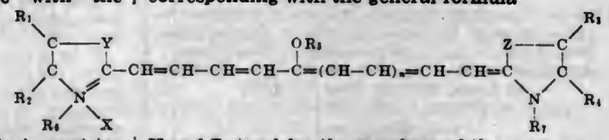


1. In combination; a plurality of record sheets, each with a plurality of record forms bearing coded data, means for effecting a preliminary, variable selection of a series of forms from the plurality of record sheets, means for decoding the data of the series of preliminarily selected forms, one form after another, and means to prevent decoding of any selected form of the series before a preceding selected form has been decoded.

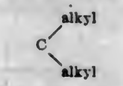
2,199,542
SENSITIZING SILVER HALIDE EMULSIONS
Walter König, Dresden, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Original application July 19, 1934, Serial No. 736,131. Divided and this application August 16, 1935, Serial No. 36,555. In Germany July 21, 1933
17 Claims. (Cl. 95—7)



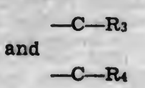
1. A photographic material comprising a silver halide emulsion containing a polymethine dye selected from the class consisting of those corresponding with the general formula



Y and Z stand for the members of the group consisting of S, Se, CH=CH and



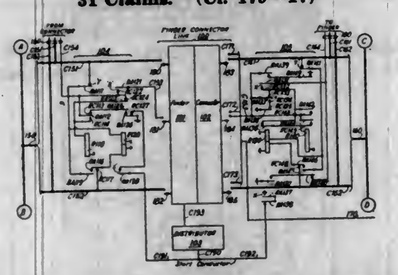
R_1, R_2, R_3, R_4 stand for the members of the group consisting of H, alkyl, alkoxy, aryl, carboxy, alkyl-carboxy and acyl;



and

stand for the members of the group consisting of phenylene and naphthylene radicles;
R_5 stands for acyl;
R_6 and R_7 stand for a member of the group consisting of alkyl and aryl;
R_8 and R_9 stand for a member of the group consisting of H, alkyl, aryl and aralkyl;
X stands for an anion capable of precipitating the dye;
n stands for one of the group consisting of 0, 1, 2 and 3 and those isomers in which Y and Z are —CH=CH— and in which at least one nucleus is linked to the methine chain in 4-position.

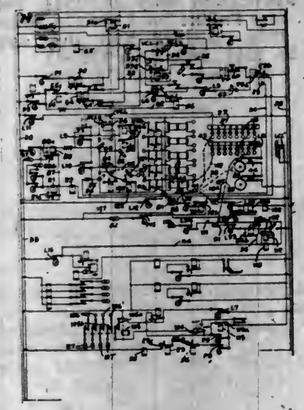
2,199,543
TELEPHONE SYSTEM
Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 13, 1938, Serial No. 234,751
31 Claims. (Cl. 179—17)



1. A line circuit adapted for use in a telephone system including a line accessible to an automatic switch, said line circuit comprising, in combination, line and cut-off relays, said line relay having a restored position and first and second operated positions, means responsive to the creation of a calling condition on said line for causing said line relay to be operated from its restored position to its first operated position, means responsive to the seizure of said line by said automatic switch for causing said cut-off relay to be operated, means controlled by the operation of said cut-off relay for causing said line relay to be operated to its second operated position, and circuits for controlling said automatic switch governed in accordance with the positions of said line and cut-off relays.

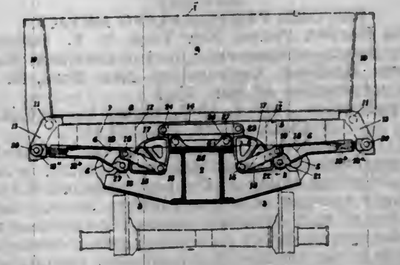
2,199,544
TABULATING MACHINE
Gustav V. A. Malmros, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 5, 1936, Serial No. 67,214
1 Claim. (Cl. 235—61.6)

In a machine for operating cyclically on successive cards of a group, an intermediate one of which has certain group data to control group-change sensing means which is adapted to vary machine operation upon occurrence of a change in the group data; means to analyze the cards for data, group designating means, normally ineffective entering connections between the analyzing means and the group designating means, contacts closed under control of the analyzing means upon analyzing a special designation of a card which is within the same group as and which immediately precedes the intermediate card, a circuit completed by closure of said contacts, a holding circuit established by the aforementioned circuit, means operated by the first mentioned circuit and the holding circuit for rendering said connections effective during analysis of the intermediate card so as to enter the group data



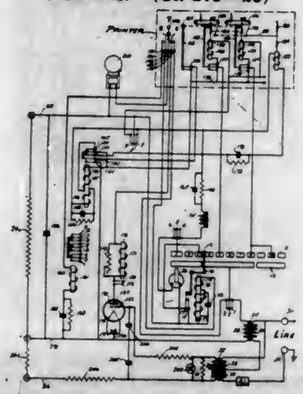
from the intermediate card into the group designating means, and means for breaking the holding circuit to cause the said connections to become ineffective again before the card following the intermediate card is analyzed.

2,199,545
CAR CONSTRUCTION
Carl W. Miller, Beaver Falls, Pa., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1937, Serial No. 129,657
Renewed September 29, 1939
21 Claims. (Cl. 105—272)



1. In a dump vehicle provided with an underframe and a tilting body having opposite side walls hinged adjacent the floor thereof, the combination of a link on the body adjacent each door, a lever connecting said link and adjacent door, a cam shaped member on the body adjacent each link and means operably connecting said cam shaped members and vehicle underframe to selectively actuate each cam shaped member by relative movement between the body and underframe to dispose the cam in the path of movement of the adjacent link and lever connection between the body and door for controlling the opening and closing movements of the door as the body moves in dumping about the adjacent side of the underframe.

2,199,546
SYNCHRONOUS COMMUNICATION SYSTEM
Harry J. Nichols, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application May 22, 1933, Serial No. 672,161, now Patent No. 2,104,570, dated January 4, 1938. Divided and this application March 25, 1937, Serial No. 132,927
7 Claims. (Cl. 178—23)

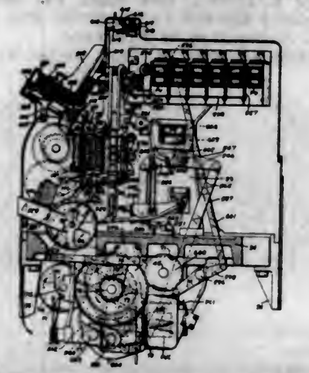


1. A communication system of the character described comprising, in combination, a plurality of stations each having tele-registering mechanisms and associated rotary distributors normally at rest, means at each station for sending or responding to periodic control impulses for starting the rotary distributors and operating said distributors in synchronism and means thereat for sending or responding to aperiodic character control impulses, and means for conditioning one station to be responsive to the impulses sent by another station.

2,199,547
RECORD PERFORATING DEVICE
John Royden Peirce, New York, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 2, 1932, Serial No. 620,653
9 Claims. (Cl. 235—61.10)

2. In a record perforating machine, a plurality of accumulators, punching mechanism, means for detecting which of the accumulators holds a balance amount as a true number, means under control of said detecting means for selecting one of the accumulators to control said mechanism, means under control of the selected accumulator for operating said mechanism, special punches, devices for operating one of said special punches to cut a special perforation in the record, manipulative means for moving said special punch operating devices to cooperate with one of said special punches in any column position along the record, and means under control of said selecting means for conditioning said special punch operating devices for operation only when a certain accumulator is selected.

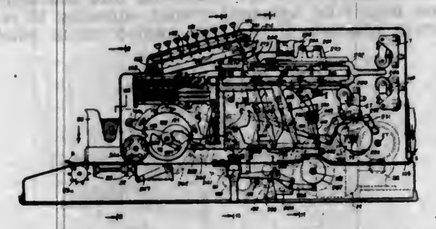
6. In a record perforating device, punching mechanism comprising a series of punches arranged in columns with ten punches in a column for each order, each punch representing one of the digits 0–9, and a plurality of denominational order punch bars adapted to select one of said punches in each order, each of said bars being provided with a zero stopping means and non-punching control means, means for operating the selected punches to perforate the record, stop pawls cooperating with said bars to position the bars to select the punches, latches for holding said pawls away from the bars, means for operating said latches to release said pawls at differential times to stop the bars in different figure punching positions, means cooperating with said pawls to hold them out of cooperation with said bars to release the bars in all orders where said operating means operates a latch early in the cycle before the time for stopping the bar in a significant figure punching position, stop levers cooperating with said bars in one of two ways, to cooperate with the zero stopping means of the bars to stop them to select the zero punch or to cooperate with the non-punching control



means of the bars to stop them in a position between punches to eliminate punching, offset connections between said levers to set higher order levers to select a zero punch under control of a lower order lever held by a bar set to select a punch for a significant digit, and manipulative devices for adjusting said levers to control zero perforation in three ways; to lock a lower order lever in zero punch selecting position and thereby, through the offset connections, cause perforation of zeros in higher orders, to adjust the levers in normal position wherein the offset connections cause the higher order levers to select zero punches under control of a lower order lever, and to break an offset connection thus splitting zero perforation control so that zeros are not perforated in higher orders under control of an order lower than that at the point of splitting.

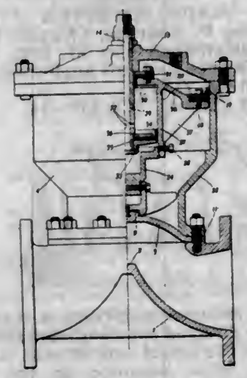
2,199,548
ACCOUNTING MACHINE
John Royden Peirce, deceased, late of New York, N. Y., by Adelbert C. Maby, Jamaica, N. Y., and Thomas A. Gavin, Binghamton, N. Y., executors, and Torkel E. Torkelson, Baldwin, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 22, 1934, Serial No. 754,300
10 Claims. (Cl. 235—61.6)

5. In a machine of the class described, means for analyzing a record for combinational hole perforations representative of a factor, multiplying slides controlled by said analyzing means to take a combinational setting in accordance with the combinational arrangement of the record perforations, a further multiplying slide differentially positionable in accordance with another factor, key controlled means for effecting positioning of said further slide, a feeler, means for moving said feeler along said slides, said slides having notches therein traversed by said feeler,



and means controlled by said feeler and the notches in said slides for effecting multiplication of the factors represented by the setting of the slides.

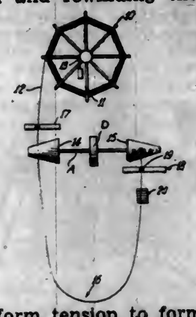
2,199,549
FLUID CONTROLLING VALVE
Philip Keith Saunders, Cwmbran, England
Application June 7, 1939, Serial No. 277,819
In Great Britain June 2, 1938
4 Claims. (Cl. 137—139)



1. In a diaphragm valve, a body having an opening, a diaphragm extending across the opening, a bonnet disposed above said diaphragm and having an internal cylindrical bore, a backing member for actuating the diaphragm and attached to it, a piston connected to said backing member co-operating with said bore, means for constantly applying fluid pressure to a part of the piston on the side of the diaphragm, and means for controllably applying fluid pressure to substantially the whole of the piston on the side remote from the diaphragm.

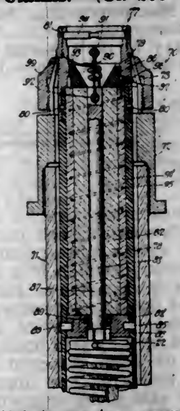
2,199,550
PROCESS AND APPARATUS FOR HANDLING ELASTIC FILAMENTS
Fred J. Tobias, Trenton, N. J., assignor to Filatex Corporation, Trenton, N. J., a corporation of New Jersey
Application August 14, 1937, Serial No. 159,051
10 Claims. (Cl. 242—45)

1. A process of rewinding rubber-like elastic yarn which comprises unwinding a tensioned rubber-like elastic yarn from a package thereof, delivering the yarn to a receptacle in which it is permitted to assume a relaxed state, withdrawing the yarn and rewinding the relaxed yarn



under a uniform tension to form a package of balanced yarn.

2,199,551
CIRCUIT INTERRUPTING APPARATUS
Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application October 19, 1936, Serial No. 106,422
40 Claims. (Cl. 200—117)

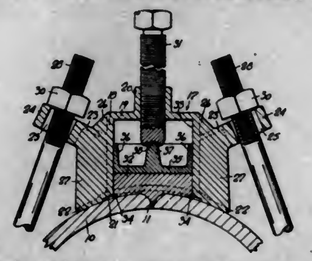


15. A circuit interrupter comprising, in combination, a housing having fixed terminals, a tension spring in one end of said housing, a body of solid arc extinguishing material in the other end of said housing provided with a longitudinal bore, an arcing terminal in said bore disposed to be retracted by said spring, a main fusible element connecting said arcing terminal and the adjacent fixed terminal, and a chemical fuse element disposed to be connected between said arcing and adjacent terminals when said main fusible element blows, said chemical fuse element comprising a powdered compound surrounding said body of arc extinguishing material and a conductor of refractory metal embedded therein, said conductor reacting with said compound to become substantially non-conductive on being heated to a temperature sufficient to initiate the reaction.

2,199,552
HIGH PRESSURE VENTED GUIDE PLUG CLAMP
John J. Watson, Palestine, Tex., assignor to M. B. Skinner Company, South Bend, Ind., a corporation of Indiana
Application September 24, 1938, Serial No. 231,527
3 Claims. (Cl. 138—99)

1. In combination, a pipe having a leak, a head

covering said leak and having a cylindrical bore, off-set bearing portions carried by said head and engaging said pipe to position said head in spaced



relation to said pipe, means for clamping said head on said pipe, a gasket disc slidable within said bore, and means for urging said gasket against said pipe in sealing relation thereto.

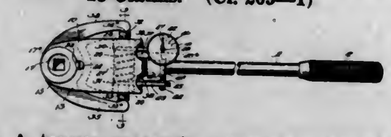
2,199,553

TORQUE MEASURING WRENCH

Herman W. Zimmerman, Highland Park, Ill., assignor, by mesne assignments, to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois

Application May 8, 1937, Serial No. 141,426

13 Claims. (Cl. 265—1)



1. A torque measuring wrench comprising a body, a handle thereon, a rock member on said body and having means substantially on the rock center thereof through which it is adapted to be engaged with the work, arms on said member on the opposite sides of the rock center thereof and extending lengthwise of said body, a compression spring member carried by said body between said arms and with its ends disposed theretoward, means operably engaging the opposite ends of said spring with said arms respectively so that said spring yieldably opposes rock movement of said member in opposite directions, and means operably associated with said rock member for indicating extent of rock movement of said rock member in terms of pressure applied through said body, spring and rock member to the work.

2,199,554

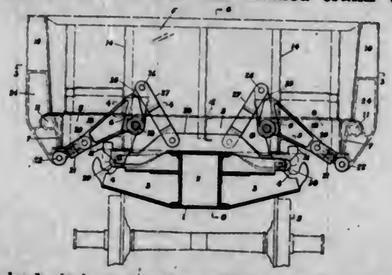
DUMP CAR

John P. Anderson, Crafton, Pa., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application May 17, 1938, Serial No. 208,444

7 Claims. (Cl. 105—272)

1. In a dump vehicle in combination, an underframe, a body supported thereon in stable equilibrium and tilting to opposite sides thereof, doors forming opposite side walls of the body and hinged adjacent the floor thereof, an arm depending from each door at each end thereof, a crank and link connection between each door arm and the adjacent end of the body and of such design as to rotate inwardly and upwardly with the opening of the door, a link pivoted to the body adjacent the end of each door and extending transversely of the underframe to a pivotal connection therewith so as to move with the body when the latter tilts about the side of the underframe to which the transverse link is connected, a crank and link connection between each said transverse link and the body adjacent said connection of the transverse link and body, and means on adjacent cranks engaging to restrain rotation of the first-named crank when



the body is in normal position and when the adjacent side of the body is elevated above the underframe, said crank and link connection to the transverse link being controlled thereby so as to rotate relatively to the body and underframe when the body moves relative to said transverse link.

2,199,555

RADIO RECEIVER

Edward F. Andrews, Chicago, Ill.

Original application October 27, 1932, Serial No. 639,821. Divided and this application April 21, 1937, Serial No. 138,155

2 Claims. (Cl. 250—14)



1. A radio receiver comprising a speaker with an outwardly directed conical diaphragm, a platform base on the apical side of said diaphragm, said speaker being mounted on the platform base, a plurality of radio devices mounted on the platform base, located substantially between the inner and outer ends of the speaker and arranged around, and in close proximity to the diaphragm and occupying at least part of the space between the diaphragm and the platform base, and a skirt mounted on the speaker at the marginal edge of the conical diaphragm depending therefrom to enclose said radio devices and providing a relatively narrow annular air space between the lower edge of said skirt and platform base.

2,199,556

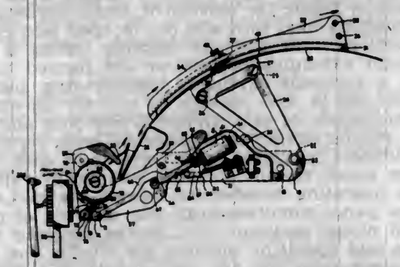
PAPER FEEDING DEVICE

Fred M. Carroll, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application October 7, 1938, Serial No. 233,736

17 Claims. (Cl. 197—133)

2. In a machine for feeding a continuous sheet divided into forms with a heading space and a feed control indicium on each form, means for feeding said sheet from form to form over the heading space, means for sensing the position of a control indicium after each form feed, means for setting said sensing means at various positions along the path of the indicia to predetermine the size of heading desired, and auxiliary feeding means under control of said sensing



means for moving said sheet to the correct position under the heading.

2,199,557

MANUFACTURE OF PIGMENTED COATING COMPOSITIONS

William Charlton, Rowland Hill, Eric Everard Walker, and Roy Basil Waters, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 14, 1937, Serial No. 153,668. In Great Britain July 16, 1936

9 Claims. (Cl. 260—41)

1. The process for the manufacture of improved non-flocculating pigmented coating compositions which comprises mixing a pigment, a solvent, an interpolymer of an ester of methacrylic acid and an acid of the formula $CH_2=CR'-COOH$ in which R' is selected from the group consisting of hydrogen and the methyl group.

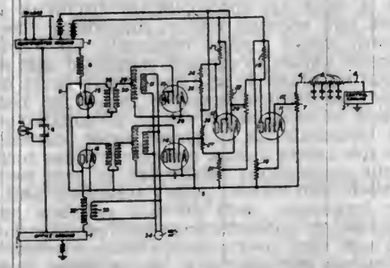
2,199,558

GROUND POTENTIAL COMPENSATOR

George C. Cummings, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 7, 1939, Serial No. 266,666

9 Claims. (Cl. 178—69)



1. A ground connection for electrical communication systems comprising an office ground, a compensated ground, a control ground, a source of alternating current, rectifying means and a space discharge tube amplifier under control of said control grounds for controlling the flow of alternating current from said source rectified by said rectifying means between said office ground and said compensated ground in direction and volume sufficient to maintain said compensated ground at substantially the same potential as said control ground.

2,199,559

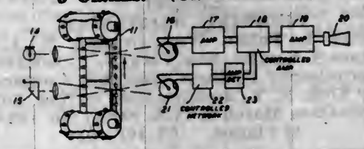
SOUND PICTURE FILM

Wilfrid L. Dawson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 7, 1938, Serial No. 200,661

In Great Britain October 6, 1937

3 Claims. (Cl. 179—100.3)



1. The method of reproducing a sound film having a sound record on said film, and a control record within the strip of film occupied by the sprocket perforations which comprises reproducing said sound record as a sound current, amplifying and reproducing said current, scanning said control record with a beam of light, exciting a photosensitive device with the light modulated by said control record to produce a control current, modifying the wave form of said control current to approximately sinusoidal form, amplifying and detecting said modified current, and controlling the transmission of said sound current by the products of said detection.

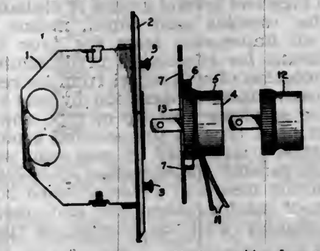
2,199,560

ELECTRIC PLUG

Ernest A. Faller, Brooklyn, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application November 13, 1937, Serial No. 174,318

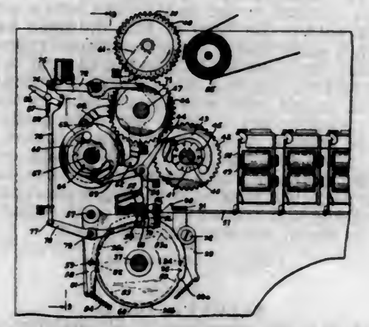
1 Claim. (Cl. 173—334)



A circuit extension unit for attachment to an outlet wall provided with a current outlet and headed screws adjacent to and spaced around said outlet; comprising, in combination, a connector body having plug connecting means at one side, terminal circuit connecting means at the opposite side, and electrical conductors fastened to the body at a point intermediate the sides, with one said body side adapted to be faced towards the wall to interfit the plug connecting means at the latter side with the outlet, a sleeve rotatably mounted on said body and provided with a flat plate section at one end having a smaller central opening than the opening in the latter body side whereby the plate abuts the latter body side to prevent movement of the sleeve and the plate outwardly, said sleeve having a shoulder abutting a shoulder facing the opposite body side to prevent inward movement of the plate and sleeve and an arcuately extending slot near said shoulder through which the conductors pass of sufficient clearance to permit limited rotatiof or the sleeve with respect to the body without interference, said plate being formed with arms having hooks to fit around said screws and under the heads thereof upon rotation of the de-

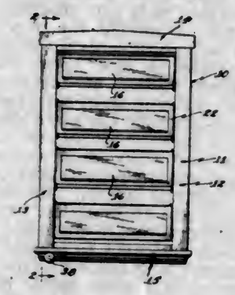
vice after the plug connecting means has been interfitted with the aforesaid outlet, said screws being turnable thereafter to clamp the plate and thereby the sleeve and connector body to the outlet wall.

2,199,561
PRINTING MECHANISM
Frederick L. Fuller, West Orange, N. J., and Horace S. Beattie, New York, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 5, 1938, Serial No. 194,028
17 Claims. (Cl. 101—93)



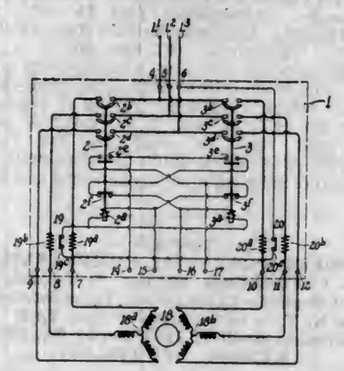
1. In a printing machine, in combination, a rotatable numeral wheel carrying interspersed alphabet and numeral type divided into a group of numeral type and several groups of alphabet type, means for rotating said wheel, means for effecting an impression from the type on said wheel, means for effecting a predetermined extent of rotation of said wheel from its rest position in each machine operation by said rotating means for selecting a group of type and means for selecting a type in the selected group comprising means controlled by said type selecting means for causing the operation of said impression effecting means at predetermined points in the cycle of machine operation and commensurate in number with the number of type in a group.

2,199,562
WINDOW CONSTRUCTION
Nicholas E. Griffin, South Pasadena, Calif.
Application May 16, 1939, Serial No. 273,949
5 Claims. (Cl. 20—53)



1. A window construction comprising the combination of, a window frame including a vertically extending side wall member, a plurality of window panes swingingly mounted in said window frame for movement about horizontally extending axes into and out of open and closed positions, said side wall member having a vertically extending opening or slot formed therein, a vertically extending weather-strip slidably mounted in said opening or slot for movement transversely of said window frame into and out of weather-stripping engagement with vertically extending marginal edge portions of said window panes, means including a vertically extending operating member for moving the said window panes simultaneously into and out of open and closed positions, and means coacting with the said operating member for moving the said weather-strip into and out of weather-stripping engagement with the said marginal edge portions of said window panes.

2,199,563
CIRCUIT CONTROL PANEL
Richard B. Hunter, Shorewood, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 16, 1939, Serial No. 251,183
9 Claims. (Cl. 172—179)



9. A panel for control of the circuit of a two speed two winding motor, comprising line terminals, motor circuit terminals, an electroresponsive switch to connect certain of said motor circuit terminals to said line terminals for a first speed, an electroresponsive switch to connect certain of said motor circuit terminals to said line terminals for a second speed, current responsive relays having control windings included in the connections established by said switches between said motor circuit terminals and said line terminals, each of said switches having maintaining contacts and interlocking contacts and each also having an operating winding connected on one side to a line terminal through the contacts of said relays, said panel further comprising control terminals including terminals respectively connected to said switch windings to include each between its respective control and line terminals, another control terminal to which both first mentioned control terminals are connected each through the maintaining contacts of its respective switch and the interlocking contacts of the other of said switches, and another control terminal connected to a point between the maintaining contacts of said switch for first speed and the interlocking contacts of said switch for second speed.

2,199,564
HYDROCARBON REACTIONS
Vladimir N. Ipatieff and Herman Pines, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 18, 1937, Serial No. 180,572
8 Claims. (Cl. 260—671)

6. A process for producing normal propyl benzene which comprises subjecting said benzene to the action of cyclo-propane at temperatures of the order of −10 to +30° C. in the presence of sulfuric acid of over 85% concentration.

2,199,565
BOTTLE GASSING MACHINE
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application December 4, 1937, Serial No. 178,027
9 Claims. (Cl. 226—98)



4. In a container filling apparatus, the combination with a conveyor adapted to receive filled containers, of a reciprocating valve movable with said conveyor and including a reciprocating valve member, a delivery tube depending from said valve member having a discharge opening at its lower end and reciprocating with and independently of said valve member, and means for reciprocating said valve member and tube during its movement with the conveyor to project the lower end of said tube into the container, the downward movement of said tube being limited to project the lower end of said tube to a point at or slightly below the liquid level in the container.

2,199,566
VAT DYESTUFFS OF THE NAPHTHINDENONE SERIES
Karl Koeberle, Werner Rohland, and Christian Steigerwald, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application June 12, 1937, Serial No. 147,924. In Germany July 4, 1936
2 Claims. (Cl. 260—287)

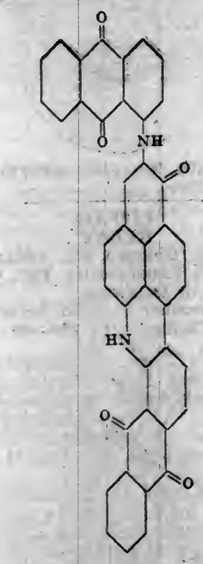
1. A vat dyestuff of the peri-naphthindenone series corresponding to the general formula:

$$R_1\text{—NH—}A\overset{a}{\underset{b}{=}}A\text{—NH—}R_1$$

in which A is the radical of a peri-naphthindenone, R_1 an anthraquinone radical, and a and b represent direct linkages between the peri-positions of the naphthindenone radicals shown.

2,199,567
VAT DYESTUFFS OF THE PERI-NAPHTHINDENONE SERIES
Karl Koeberle, Werner Rohland, and Christian Steigerwald, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Original application June 12, 1937, Serial No. 147,924. Divided and this application March 8, 1938, Serial No. 194,616. In Germany July 4, 1936
1 Claim. (Cl. 260—274)

The vat dyestuff of the peri-naphthindenone series having the formula



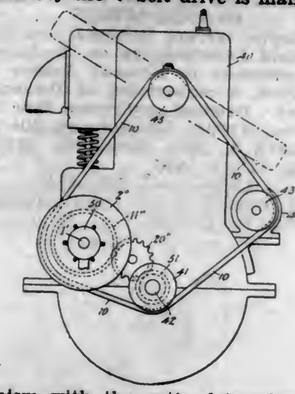
2,199,568
MANUFACTURE OF 1-METHYL-4-CHLORO-5-HYDROXYNAPHTHALENE-1^1-SULPHONIC ACID
Hans Lange and Otto Hoffmann, Dessau in Anhalt, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application June 8, 1939, Serial No. 278,082. In Germany June 11, 1938
2 Claims. (Cl. 260—512)

1. 1-methyl-4-chloro-5-hydroxynaphthalene-1^1-sulphonic acid, which is easily soluble in water.

2,199,569
BELT DRIVE
Robert V. Morse, Ithaca, N. Y.
Application August 2, 1939, Serial No. 287,986
4 Claims. (Cl. 74—219)

I. In a V belt drive, the combination of a shaft, a V belt pulley flange secured thereto, a second V belt pulley flange movable axially relative to the first mentioned flange so as to provide a V belt pulley of variable effective diameter, a V belt on said pulley, a threaded hub on the first mentioned flange, a control wheel mounted on the threaded hub and having a thrust face on the side toward the pulley, the second mentioned flange having a thrust face bearing against the first mentioned thrust face, said thrust faces being held in contact by the wedging pressure of the V belt between the pulley flanges, and means

for driving said control wheel at a fixed speed ratio, whereby the V belt drive is maintained in



synchronism with the ratio determined by the control wheel drive.

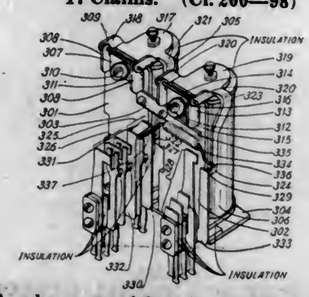
2,199,570

RELAY

John E. Ostline, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application November 12, 1938, Serial No. 240,001

17 Claims. (Cl. 200—98)



1. A relay comprising, in combination, a support, first and second magnets carried by said support, a movable contact actuating member operatively associated with said first magnet, a movable contact actuating member operatively associated with said second magnet, a first contact set operatively associated with said first-mentioned member, a second contact set operatively associated with said second-mentioned member, a third contact set, means normally effective operatively to associate said third contact set with said first-mentioned member, each of said contact sets having first and second positions and being movable from its first position to its second position in response to a predetermined movement of the one of said members with which it is operatively associated, and automatic means for rendering said first-mentioned means ineffective.

2,199,571

TRAFFIC CONTROL SYSTEM

John L. Biach and Harry A. Wilcox, New Haven, Conn., assignors to The Engineering and Research Corporation, East Norwalk, Conn., a corporation of Connecticut

Application April 23, 1930, Serial No. 446,480

30 Claims. (Cl. 177—337)

1. A traffic control system including, in combination, a signalling means adjacent the point of intersection of vehicle lanes to accord and interrupt right of way to traffic over said vehicle lanes, a timer controlling the operation of said signalling means, controllers adapted to be actuated by traffic in said lanes and connected to said timer to govern the functionings of the latter, said timer being potentialized during right of way signalling indication to vehicles traversing



one lane to transfer such right of way to a second vehicle lane in which controller actuation has occurred and to accord a minimum period of right of way to the said second vehicle lane, and means acting in response to controller actuation in the second lane to extend such minimum period proportional to the number of vehicles awaiting such right of way and which have actuated said controller.

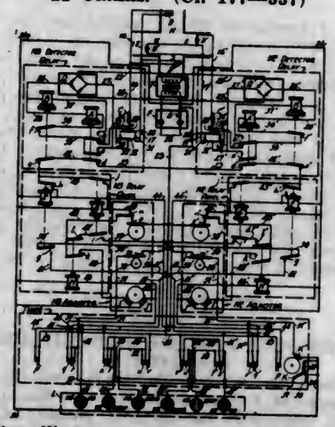
2,199,572

TRAFFIC SIGNAL

Joseph N. Paul, Fort Wayne, Ind., assignor, by mesne assignments, to Automatic Signal Corporation, East Norwalk, Conn., a corporation of Delaware

Application April 19, 1937, Serial No. 137,705

11 Claims. (Cl. 177—337)



1. Signalling apparatus for intersecting traffic lanes including in combination, a traffic actuated detector in one of said lines, signal devices indicating right of way to vehicles in said lanes, a switching unit having a movable element, means controlled by actuation of said detector during a registry period in at least a part of which right of way is denied to the lane of said detector for moving said element a predetermined distance from an initial position upon a single actuation of said detector and for moving said element a further distance from said initial position upon subsequent actuations thereof during said registry period, means operating after the expiration of said registry period and adapted to return said element to its initial position at a predetermined rate of speed, and means controlled by said switching unit and controlling said signal devices to maintain right of way in the lane of said detector during the return of said element to initial position.

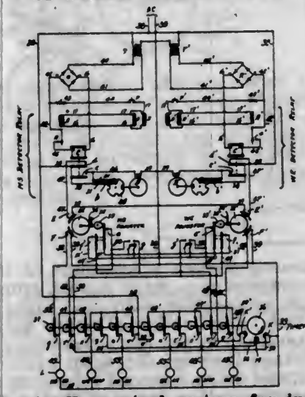
2,199,573

TRAFFIC SIGNAL

Joseph N. Paul, Fort Wayne, Ind., assignor, by mesne assignments, to Automatic Signal Corporation, East Norwalk, Conn., a corporation of Delaware

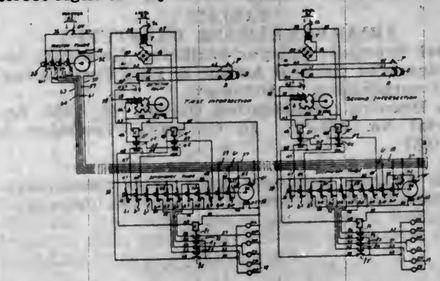
Application December 2, 1937, Serial No. 177,763

14 Claims. (Cl. 177—337)



1. In a traffic control system for intersecting traffic lanes having right of way signal apparatus and a traffic actuated detector in one lane, the combination of an electrical switching unit having a member movable a variable distance from an initial position, time controlled means for returning said member to its initial position, cyclic switching means operating said signal apparatus and operable at a predetermined point in its cycle to initiate said return movement, electric circuits controlled by movement of said movable member to interrupt the operation of said cyclic switching means and to maintain a right of way signal for the lane of said controller during said return, electrically actuated means for moving said movable member from its initial position, and time controlled apparatus for actuating said last mentioned means for a predetermined brief period of time in response to each of a plurality of traffic actuations of said detector occurring prior to the initiation of and during said return movement.

tion of a main street and a cross street, traffic signals, time controlled apparatus operating to time a continuous succession of cycles of potential cross street right of way periods alternated with intermediate periods, relay means normally disconnecting said signals from said apparatus and operating said signals directly to indicate main street right of way in the absence of traffic on the



cross street, and traffic controlled means connected with said time controlled apparatus and with said relay means to operate the latter to connect said signals to said apparatus in response to the presence of a vehicle approaching the intersection in said cross street to convert the next succeeding potential cross street right of way period into an actual period of right of way for the cross street.

2,199,575

BENZANTHRONE DERIVATIVES

Georg Rösch, Cologne-Deutz, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application December 22, 1937, Serial No. 181,201. In Germany December 24, 1936

9 Claims. (Cl. 260—352)

1. The process which comprises causing to react Bz-1-alkoxybenzanthrones with a primary aromatic amine in the presence of a caustic alkali and of a basic organic solvent.

2,199,576

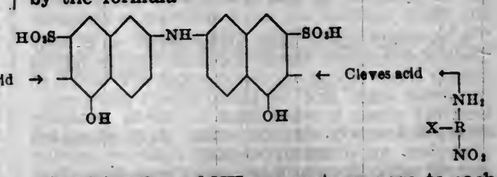
PROCESS FOR THE SELECTIVE REDUCTION OF AZO COMPOUNDS

Swanie S. Rossander, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 27, 1939, Serial No. 286,775

5 Claims. (Cl. 260—166)

1. The process which comprises heating a mixture containing an alkaline aqueous alkali metal chloride solution and a compound represented by the formula



2,199,574

TRAFFIC SIGNAL SYSTEM

Joseph N. Paul, Fort Wayne, Ind., assignor, by mesne assignments, to Automatic Signal Corporation, East Norwalk, Conn., a corporation of Delaware

Application January 17, 1938, Serial No. 185,322

12 Claims. (Cl. 177—337)

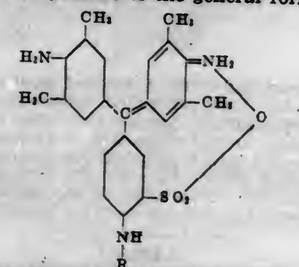
1. In a traffic control system for the intersec-

in which NO_2 and NH_2 are meta or para to each other, R is a radical of the benzene series and X is one of a group consisting of hydrogen, alkyl, alkoxy, halogen, carboxy and sulfonic acid, said alkali metal chloride being present in at least sufficient quantity to maintain the major portion of said product as undissolved material; heating to temperatures from about 50° C. to a temperature not in excess of the boiling point;

adding at least sufficient of a compound of the group consisting of an alkali metal sulfhydrate and an alkali sulfide to reduce the nitro groups of said compound to amino groups; and continuing said heating until said nitro groups are reduced to amino groups.

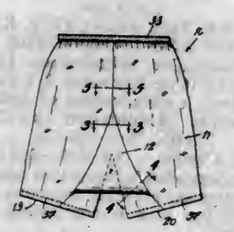
2,199,577
TRIARYLMETHANE DYESTUFFS
Karl Schmidt, Cologne-Mulheim, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application October 20, 1938, Serial No. 236,003. In Germany November 6, 1937
5 Claims. (Cl. 260—392)

1. As new products acid violet triaminotriarylmethane dyestuffs of the general formula



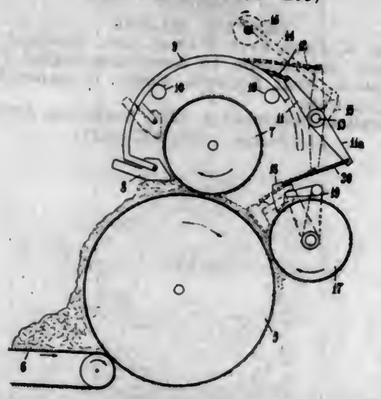
wherein R stands for a phenol radical bearing substituents selected from the group consisting of —COOH and —SO_3H, dyeing wool and silk very clear shades of very good fastness to light.

2,199,578
GARMENT
Joseph Henry Schweich, Clayton, Mo.
Application May 9, 1938, Serial No. 206,707
1 Claim. (Cl. 2—224)



A garment comprising an integral main body piece symmetrical about a center line including lateral edges of convex contour and a V-notch in the lower edge, and an integral seat piece symmetrical about a center line including similarly disposed concave straight edges each of which comprises an inwardly located concave portion and straight line portions, said seat piece further including another edge of substantially the combined length of the edges of the V-notch in the main body piece, said concave straight edges of the seat piece being connected to said convex edges of the body piece and the said another edge of the seat piece being connected to the edges of the V-notch of the main piece, whereby fullness of the seat without undue sag and correct leg fit obtain.

2,199,579
TOBACCO FEEDING MECHANISM FOR CIGARETTE MAKING MACHINES
Jack Shackleton, London, England, assignor to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 14, 1938, Serial No. 184,979
In Great Britain January 22, 1937
5 Claims. (Cl. 131—109)



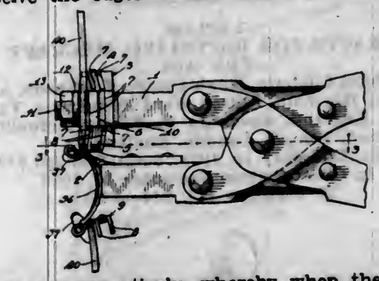
1. A tobacco feeding mechanism of the type set forth comprising a main carded drum, a refuser drum cooperating with said main carded drum, a first reciprocating tamping device disposed in position to act upon the tobacco prior to its entrance between the main carded drum and the refuser drum, a second refuser drum, and a second reciprocating tamping device disposed in position to act upon the carpet of tobacco between the refuser drums, and flexible, yielding means to support the weight of each of the tamping devices in its path, said supporting means being interconnected above said paths whereby the weight of one balances the weight of another in part at least.

2,199,580
PHOTOGRAPHIC PRINTING
Mayson H. Tucker, New York, N. Y.
No Drawing. Application September 10, 1938, Serial No. 229,325
6 Claims. (Cl. 95—8)

1. A photographic printing paper adapted to be printed upon, developed and fixed in white light, comprising a paper backing, a coating of a photo-sensitive emulsion applied to a surface of said backing, and rosolic acid in its colored state applied as a separate film over the exposed surface of said emulsion, said colored rosolic acid film being of such a depth of color as to permit exposure of the emulsion-coated surface of the paper at least for a short period of time to subdued white light with fogging, but being sufficiently transparent to the actinic rays of very bright light to enable formation on the light-sensitive emulsion of a photographic image by exposure of the dye-coated surface of the paper to a bright light.

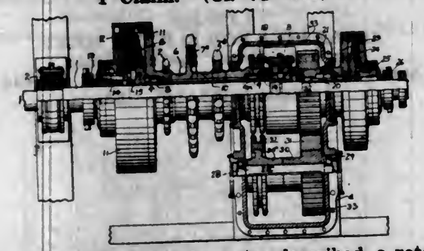
2,199,581
LENS MOUNTING TOOL
William R. Uhlemann, Evanston, Ill.
Application December 3, 1938, Serial No. 243,736
4 Claims. (Cl. 81—3.6)

1. A tool for spacing the lens edge embracing portions of a mounting strap for ophthalmic lenses comprising a pair of jaws movable toward and from each other, one of said jaws carrying a forming device having a pair of parallel slots therein spaced apart the distance desired between the lens edge embracing portions to receive the edges of said lens edge embracing



portions, respectively, whereby when the strap is placed in position for said lens edge embracing portions to enter the slots and the jaws are moved toward each other, the lens edge embracing portions will be forced into said slots by the opposing jaw to give said embracing portions the desired spacing.

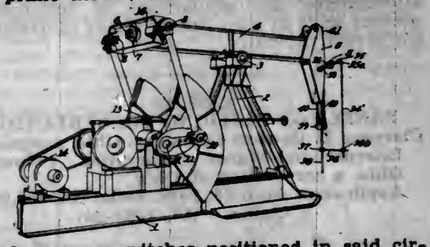
2,199,582
REVERSE CLUTCH
Carl M. Anderson, Corsicana, Tex., assignor to American Well & Prospecting Company, a corporation
Application March 28, 1938, Serial No. 198,383
1 Claim. (Cl. 74—376)



In a device of the character described, a rotating shaft, a sprocket sleeve mounted rotatably thereon, a plurality of sprockets thereon, means to clutch said sleeve to rotate with said shaft, a clutch sleeve rotatable on said shaft, a shaft bearing spacing said clutch sleeve from said sprocket sleeve, a friction clutch on said shaft to fix said clutch sleeve to said shaft, a drive gear on said clutch sleeve, an adjacent parallel auxiliary shaft, an auxiliary gear fixed thereon engaging said drive gear, a reversing sprocket on said auxiliary shaft rotatable with said auxiliary gear and a sprocket wheel on said sprocket sleeve connected with said auxiliary sprocket to rotate said sprocket sleeve in a reverse direction.

2,199,583
EMERGENCY CONTROL APPARATUS FOR WELL PUMPING AND DRILLING MECHANISM
Clifford R. Athy, Columbus, Ohio, assignor to International-Stacey Corporation, Columbus, Ohio, a corporation of Ohio
Application October 4, 1937, Serial No. 167,176
10 Claims. (Cl. 192—116.5)

1. In emergency control apparatus for well pumping and drilling mechanism, a pivotally mounted oscillatory walking beam, a prime mover for actuating said walking beam, a normally open control circuit for governing the operation of said prime mover, and a pair of reversely in-



clined mercury switches positioned in said circuit, said switches being responsive to forces effecting transverse distortion of said walking beam to close said control circuit and arrest the operation of said prime mover.

2,199,584
PROCESS OF COOKING MEATS
Kenneth E. Bemis, Oakland, Calif.
Application April 19, 1938, Serial No. 202,913
3 Claims. (Cl. 53—21)



1. The process of cooking meats consisting in presenting portions of meat supported in a vertical position between sources of direct heat for radiant heat braising action simultaneously and equally on both sides and successively on the top and bottom edges of the meat creating circulation of a confined volume of air; and heating said air by said sources of direct heat during circulation and continuing the cooking process by moving said meat to a position isolated from said radiant direct heat and in the path of the confined circulation from the heating units and gradually moving said meat to positions of increasingly lower temperature until the cooking is completed.

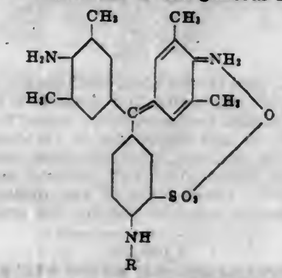
2,199,585
PRODUCTION OF OXYGENATED ORGANIC COMPOUNDS
William Arthur Bone and Dudley Maurice Newitt, South Kensington, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 13, 1938, Serial No. 90,442. In Great Britain July 15, 1935
15 Claims. (Cl. 260—399)

1. A process for the production of oxygenated organic compounds by the partial oxidation of aromatic hydrocarbons which comprises react-

adding at least sufficient of a compound of the group consisting of an alkali metal sulfhydrate and an alkali sulfide to reduce the nitro groups of said compound to amino groups; and continuing said heating until said nitro groups are reduced to amino groups.

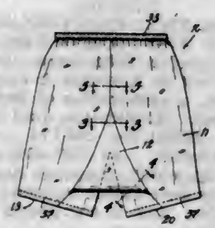
2,199,577
TRIARYLMETHANE DYESTUFFS
Karl Schmidt, Cologne-Mulheim, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application October 20, 1938, Serial No. 236,003. In Germany November 6, 1937
5 Claims. (Cl. 260—392)

1. As new products acid violet triaminotriarylmethane dyestuffs of the general formula



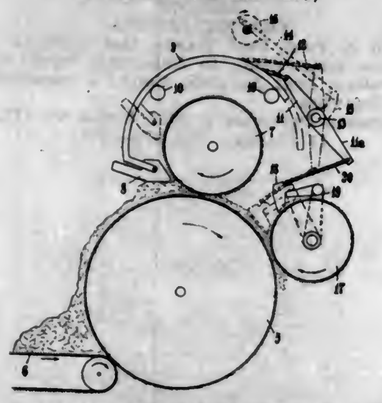
wherein R stands for a phenol radical bearing substituents selected from the group consisting of —COOH and —SO_3H, dyeing wool and silk very clear shades of very good fastness to light.

2,199,578
GARMENT
Joseph Henry Schweich, Clayton, Mo.
Application May 9, 1938, Serial No. 206,707
1 Claim. (Cl. 2—224)



A garment comprising an integral main body piece symmetrical about a center line including lateral edges of convex contour and a V-notch in the lower edge, and an integral seat piece symmetrical about a center line including similarly disposed concave straight edges each of which comprises an inwardly located concave portion and straight line portions, said seat piece further including another edge of substantially the combined length of the edges of the V-notch in the main body piece, said concave straight edges of the seat piece being connected to said convex edges of the body piece and the said another edge of the seat piece being connected to the edges of the V-notch of the main piece, whereby fullness of the seat without undue sag and correct leg fit obtain.

2,199,579
TOBACCO FEEDING MECHANISM FOR CIGARETTE MAKING MACHINES
Jack Shackleton, London, England, assignor to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 14, 1938, Serial No. 184,979
In Great Britain January 22, 1937
5 Claims. (Cl. 131—109)



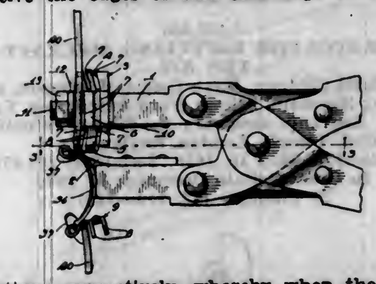
1. A tobacco feeding mechanism of the type set forth comprising a main carded drum, a refuser drum cooperating with said main carded drum, a first reciprocating tamping device disposed in position to act upon the tobacco prior to its entrance between the main carded drum and the refuser drum, a second refuser drum, and a second reciprocating tamping device disposed in position to act upon the carpet of tobacco between the refuser drums, and flexible, yielding means to support the weight of each of the tamping devices in its path, said supporting means being interconnected above said paths whereby the weight of one balances the weight of another in part at least.

2,199,580
PHOTOGRAPHIC PRINTING
Mayson H. Tucker, New York, N. Y.
No Drawing. Application September 10, 1938, Serial No. 229,325
6 Claims. (Cl. 95—8)

1. A photographic printing paper adapted to be printed upon, developed and fixed in white light, comprising a paper backing, a coating of a photo-sensitive emulsion applied to a surface of said backing, and rosolic acid in its colored state applied as a separate film over the exposed surface of said emulsion, said colored rosolic acid film being of such a depth of color as to permit exposure of the emulsion-coated surface of the paper at least for a short period of time to subdued white light with fogging, but being sufficiently transparent to the actinic rays of very bright light to enable formation on the light-sensitive emulsion of a photographic image by exposure of the dye-coated surface of the paper to a bright light.

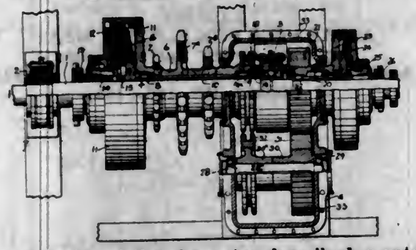
2,199,581
LENS MOUNTING TOOL
William R. Uhlemann, Evanston, Ill.
Application December 3, 1938, Serial No. 243,736
4 Claims. (Cl. 81—3.6)

1. A tool for spacing the lens edge embracing portions of a mounting strap for ophthalmic lenses comprising a pair of jaws movable toward and from each other, one of said jaws carrying a forming device having a pair of parallel slots therein spaced apart the distance desired between the lens edge embracing portions to receive the edges of said lens edge embracing



portions, respectively, whereby when the strap is placed in position for said lens edge embracing portions to enter the slots and the jaws are moved toward each other, the lens edge embracing portions will be forced into said slots by the opposing jaw to give said embracing portions the desired spacing.

2,199,582
REVERSE CLUTCH
Carl M. Anderson, Corsicana, Tex., assignor to American Well & Prospecting Company, a corporation
Application March 28, 1938, Serial No. 198,383
1 Claim. (Cl. 74—376)

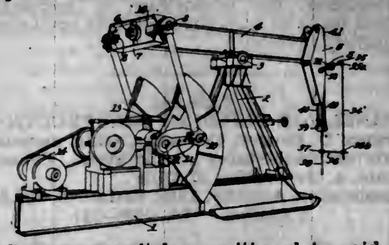


In a device of the character described, a rotating shaft, a sprocket sleeve mounted rotatably thereon, a plurality of sprockets thereon, means to clutch said sleeve to rotate with said shaft, a clutch sleeve rotatable on said shaft, a shaft bearing spacing said clutch sleeve from said sprocket sleeve, a friction clutch on said shaft to fix said clutch sleeve to said shaft, a drive gear on said clutch sleeve, an adjacent parallel auxiliary shaft, an auxiliary gear fixed thereon engaging said drive gear, a reversing sprocket on said auxiliary shaft rotatable with said auxiliary gear and a sprocket wheel on said sprocket sleeve connected with said auxiliary sprocket to rotate said sprocket sleeve in a reverse direction.

2,199,583
EMERGENCY CONTROL APPARATUS FOR WELL PUMPING AND DRILLING MECHANISM
Clifford R. Athy, Columbus, Ohio, assignor to International-Stacey Corporation, Columbus, Ohio, a corporation of Ohio
Application October 4, 1937, Serial No. 167,176
10 Claims. (Cl. 192—116.5)

1. In emergency control apparatus for well pumping and drilling mechanism, a pivotally

mounted oscillatory walking beam, a prime mover for actuating said walking beam, a normally open control circuit for governing the operation of said prime mover, and a pair of reversely in-



clined mercury switches positioned in said circuit, said switches being responsive to forces effecting transverse distortion of said walking beam to close said control circuit and arrest the operation of said prime mover.

2,199,584
PROCESS OF COOKING MEATS
Kenneth E. Bemis, Oakland, Calif.
Application April 19, 1938, Serial No. 202,913
3 Claims. (Cl. 53—21)



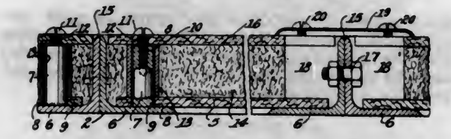
1. The process of cooking meats consisting in presenting portions of meat supported in a vertical position between sources of direct heat for radiant heat braising action simultaneously and equally on both sides and successively on the top and bottom edges of the meat creating circulation of a confined volume of air; and heating said air by said sources of direct heat during circulation and continuing the cooking process by moving said meat to a position isolated from said radiant direct heat and in the path of the confined circulation from the heating units and gradually moving said meat to positions of increasingly lower temperature until the cooking is completed.

2,199,585
PRODUCTION OF OXYGENATED ORGANIC COMPOUNDS
William Arthur Bone and Dudley Maurice Newitt, South Kensington, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 13, 1936, Serial No. 90,442. In Great Britain July 15, 1935
15 Claims. (Cl. 260—599)

1. A process for the production of oxygenated organic compounds by the partial oxidation of aromatic hydrocarbons which comprises react-

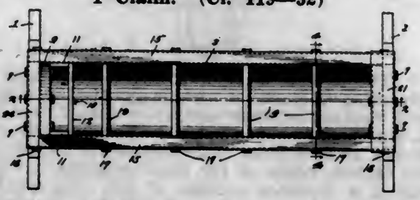
ing an aromatic hydrocarbon with oxygen in a reaction space void of catalyst, in the vapor phase, at a temperature of from about 200 to about 400° C., and under a pressure of at least 10 atmospheres, the proportions of hydrocarbon present being at least the molecular equivalent of the oxygen present.

2,199,586
PANEL FOR BUILDING CONSTRUCTION
Clarence D. Bowser, Columbus, Ohio, assignor to International-Stacey Corporation, Columbus, Ohio, a corporation of Ohio
Application April 25, 1938, Serial No. 203,998
5 Claims. (Cl. 189—34)



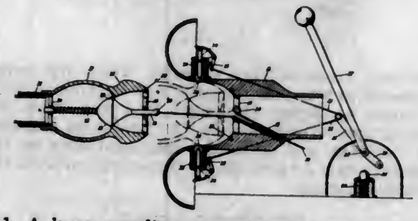
1. A wall-forming panel for building construction comprising an outer rectangular structural steel frame composed of united angle members, longitudinally spaced horizontally extending studs welded to the inner surfaces of the outer flanges of the angle members forming said frame, transversely spaced wall sheets occupying said frame, said sheets being formed with marginally disposed openings for registration with said studs, the openings in the first-applied sheet receiving said studs, and securing means engaging with the free or inner ends only of said studs for removably clamping said sheets in secured relationship with said studs and angle members.

2,199,587
HOG TROUGH
Ralph Buck, De Graff, Ohio
Application December 29, 1938, Serial No. 248,334
1 Claim. (Cl. 119—52)



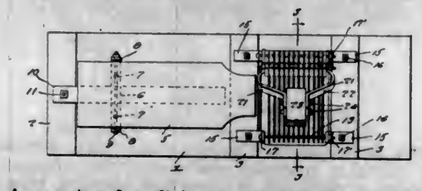
A hog feeder comprising supports, beams mounted on the extreme upper edges of the supports, a trough between the beams and extended to the upper edges thereof, first and second end walls assembled with the trough, each end wall and one support constituting cooperating, contacting elements, a first cover extended over the upper edges of the first end wall and the corresponding support and having depending flanges engaging the remote, outer surfaces of the first end wall and the corresponding support, a second cover extended over the upper edge of the second support, and having depending flanges, one of which extends between the second end wall and the corresponding support, to permit the second end wall to be extended upwardly and form part of a chute discharging into the trough, the other of the flanges of the second cover overlapping the outer surface of the corresponding support, tightening devices connecting the supports and the end walls and binding them closely together, and connecting devices joining the beams, one of each of said contacting elements having a recess receiving the corresponding connecting device, to permit said contacting elements to be drawn closely together by the tightening devices.

2,199,588
APPARATUS FOR REFUELING AIRCRAFT IN THE AIR
Alan John Cobham, Hugh Coleman Johnson, and Percy Raymond Allison, Ford Aerodrome, Yapton, England, assignors to Flight Refuelling Limited, Temple, London, England
Application May 10, 1938, Serial No. 207,078
In Great Britain December 10, 1936
20 Claims. (Cl. 244—135)



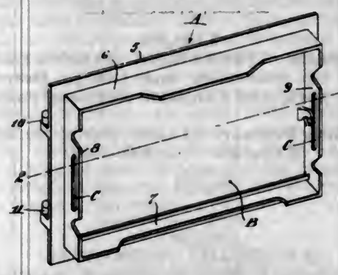
1. A hose coupling comprising a nozzle, a reception fitting therefor and having a wall provided with an aperture, a valve in the nozzle having a stem, a cable attached to the stem, and means for drawing the cable through said aperture, said stem being adapted to close said aperture.

2,199,589
APPARATUS FOR SLICING MEAT
Jay Erb, Green Springs, Ohio
Application May 5, 1939, Serial No. 272,043
1 Claim. (Cl. 146—168)



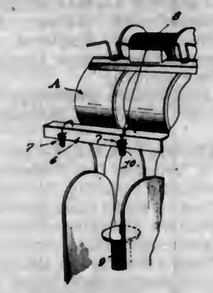
Apparatus for slicing meat comprising a base of rectangular form having a discharge aperture therein adjacent one end thereof, and assembly of elongated cutting bars mounted on said base to extend lengthwise transversely thereof over said aperture in laterally spaced relation and in a common plane above said base, a handle-bar, a presser assembly of spaced shearing bars at one end of said handle bar pivotally mounted on said base for vertical swinging movement into and out of the plane of said cutting bars and fitting between the latter, a feed board pivotally mounted, adjacent one end, on said base and extending upwardly toward the assembly of cutting bars, with its other end closely adjacent the cutting bars and a little above the plane of the upper cutting edges of the cutting bars, and spring means normally maintaining the feed table in said upwardly inclined position for downward movement under pressure to substantially the level of said cutting bars in feeding meat therefrom to said cutting bars and for reaction upwardly upon release of such pressure to move meat thereon clear of said presser assembly during upward swinging of the latter.

2,199,590
ASHPIT DOORFRAME
William J. Groth, Los Angeles, Calif.
Application November 3, 1937, Serial No. 172,537
4 Claims. (Cl. 72—101)



1. A frame for ashpit doors having a lower flange and end flanges, each of said end flanges having through it a slot which extends longitudinally said slot being of a length exceeding the thickness of a brick and the lower end of said slots being spaced from said lower flange a distance less than the thickness of a brick, and loose pins insertable through said slots and adjustable longitudinally of them for positioning in mortar joints between courses of brick-work, said mortar joints extending into the brick-work from a wall surface abutting said end flanges.

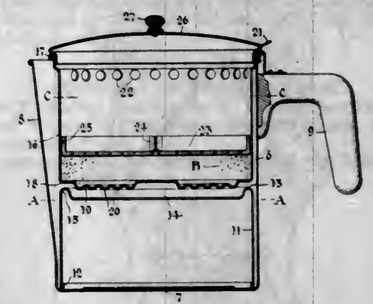
2,199,591
TENSION DEVICE FOR SPINNING MACHINES
Donald C. Hardie, Easton, Pa.
Application January 30, 1939, Serial No. 253,676
4 Claims. (Cl. 242—147)



1. A tension device attaching means comprising a supporting member having top and side rails, each rail having a hole therein, the hole in the top rail being spaced a substantial distance from a plane passing through the hole in the side rail and perpendicular to the rails, and a tension device formed of a single wire having upper and lower arms, said upper arm fitting in the top hole and the lower arm in the side hole to support the tension device on the supporting member.

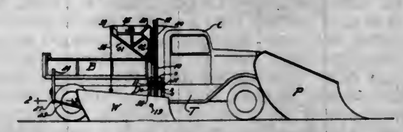
2,199,592
INFUSION APPARATUS
Bradford B. Holmes, New York, N. Y.
Application September 13, 1939, Serial No. 294,740
2 Claims. (Cl. 53—3)

1. In a device for preparing hot infusions of coffee, the combination of a pot dimensioned to contain in its lower portion the entire charge of water to be boiled; a removable coffee container of somewhat smaller horizontal dimension than said pot for containing a charge of coffee and provided with lateral water inlet ports near its top and with bottom straining perforations distributed over substantially the entire bottom except a marginal encircling sealing area; releasable means for retaining said container in the upper portion of the pot with the bottom of the container above the level of said water charge; and means comprising a bell substantially submerged in said charge in the pot, for



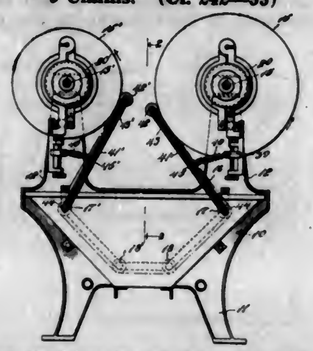
displacing the major portion of said water upward around the bell and between the container and the walls of the pot to said inlet ports upon the generation of steam from the water charge, said bell being free to float upward and having a marginal portion which then engages said sealing area to inhibit flow upward through said straining perforations while steam is being generated, whereby escaping steam is caused to flow around said container, said bell having a constantly open restricted vent.

2,199,593
SNOWPLOW
George L. Kaeser, Hartford, Conn., assignor to Walsh Holyoke Steam Boiler Works, Inc., Holyoke, Mass., a corporation of Massachusetts
Application November 10, 1939, Serial No. 303,839
3 Claims. (Cl. 37—42)



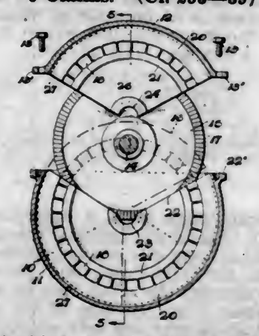
1. The combination with a snowplow and a motor-driven vehicle for pushing the same, of a wing disposed on one side of the vehicle and pivoted thereto near its front end for universal movement, whereby the wing may be swung toward and away from the side of the vehicle in a horizontal plane and the rear end of the wing may be raised and lowered, and means for raising and lowering the rear end of the wing, comprising a jib crane having its standard mounted on the vehicle to swing about a vertical axis located closely adjacent to a vertical plane passing through the pivotal connection at the front end of the wing and having an arm projecting outwardly from the standard toward the rear end of the wing, a flexible member connected to the wing near its rear end and extending upwardly to and thence along said arm of the crane and thence downwardly along said standard thereof, and means on the vehicle to draw in or pay out said flexible means, whereby said wing may be raised or lowered from a position near the front and pivoted end thereof.

2,199,594
MACHINE FOR UNWINDING A WEB OF MATERIAL
William R. Kent, Passaic, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass., a corporation of the United States
Application April 26, 1938, Serial No. 204,265
9 Claims. (Cl. 242—55)



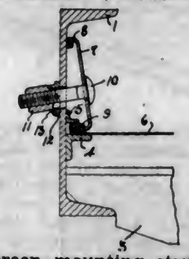
1. In a machine for unwinding a package containing a web of material, a brake for retarding the rotation of the package, a roll engaging and tangent to the unwinding package, a pivoted frame moved by the roll, and a spring attached substantially the same distance from the pivot of said frame to said frame and to said brake to actuate the same.

2,199,595
TURBINE
Loren D. Millard, Burlington, Iowa, assignor to Murray Iron Works Company, Burlington, Iowa, a corporation of Iowa
Application May 11, 1939, Serial No. 273,087
6 Claims. (Cl. 253—39)



1. In a turbine, a casing split horizontally well above the center line for providing a lower casing section extending circumferentially for considerably more than 180° and an upper casing section extending circumferentially for considerably less than 180°, a shaft arranged within the casing, a diaphragm within the casing and having nozzles, said diaphragm having an opening to receive the shaft, said diaphragm being split along generally radial lines which extend from the opening to the periphery of the diaphragm for providing a lower diaphragm segment extending circumferentially for more than 180° and an upper diaphragm segment extending circumferentially for less than 180°, the lower diaphragm segment being housed within the lower casing section and the upper diaphragm segment being housed within the upper casing section, the upper diaphragm segment being separable from the lower diaphragm segment, and a rotor mounted upon the shaft and disposed in cooperative relation to the diaphragm.

2,199,596
SCREEN STRETCHING STRUCTURE
Gustave A. Overstrom and George Overstrom, Eagle Rock, and Conrad Overstrom, Pasadena, Calif.
Application February 11, 1939, Serial No. 255,906
5 Claims. (Cl. 209—403)



1. In a screen mounting structure the combination comprising a screen box having side frame members, a pair of spaced bars secured to the inner faces of said members, a screen cloth extending between said bars, and means pivoting on said side frame member for forcing the free side edges of the screen cloth in planes parallel to the cloth between said bars to stretch the screen cloth.

2,199,597
MANUFACTURE OF LAMINATED SHEETS
Archibald Renfrew and William Elliott Frew Gates, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 29, 1936, Serial No. 118,170. In Great Britain January 8, 1936
3 Claims. (Cl. 154—40)

1. Steps in a process for making laminated sheets which comprise treating the base materials, which it is desired to mold into laminated sheets, in sheet form with an adhesive comprising essentially a methacrylic acid ester monomer-polymer mixture, and then causing to adhere thereto a polymeric ester of methacrylic acid in powdered form.

2,199,598
CASTING APPARATUS
Max Robbins, Chicago, Ill., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application July 14, 1939, Serial No. 284,465
1 Claim. (Cl. 22—79)



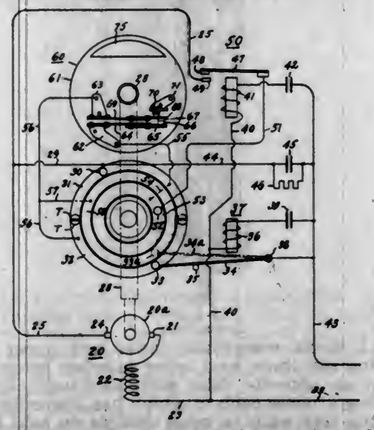
Metal casting apparatus comprising a plurality of travelling molds mounted to successively pass a pouring station, a supply pipe for liquid metal to be cast extending transversely over said molds at said pouring station, said pipe having a discharge orifice, a hollow casting wheel journalled on said pipe and having a hollow hub member forming a chamber to receive liquid metal from said discharge orifice, said casting wheel having a plurality of spouts arranged to successively cooperate with successive molds as the molds are advanced to and past the pouring station, said wheel being driven by the advancing molds whereby, as each mold reaches the pouring station, liquid metal is directed into the mold by means of a cooperating spout and as the mold advances beyond the pouring station, the spout ascends thereby cutting off the supply of liquid metal to the mold.

2,199,599
ELECTRICAL CONNECTOR
Sherwood Stambaugh, North Canton, Ohio
Application June 29, 1939, Serial No. 281,946
2 Claims. (Cl. 173—330)



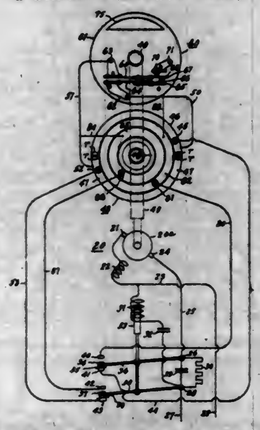
2. A connector comprising a body having a pair of strip spring contact members therein each anchored at one end, a bellcrank-shaped rockable member engaging the remaining end of each of the spring contact members, said bellcrank-shaped rockable members having a pair of their ends terminating in close proximity, and a manually operative plunger adapted to be forced against the said closely related end portions of the rockable members for rocking the same to flex the said spring contact members.

2,199,600
MOTOR CONTROL SYSTEM
Stanley H. Swarthout, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 12, 1939, Serial No. 278,706
2 Claims. (Cl. 171—222)



1. A system of speed control for universal motors comprising, in combination, a universal motor adapted to operate either on direct or on alternating current, a centrifugal switch driven by the motor, a circuit making device driven by the motor and comprising a ring divided into two segments connected respectively with the terminals of the centrifugal switch and uninterrupted collector rings connected respectively with the terminals of said centrifugal switch, means including opposed brushes for normally connecting the divided ring in the circuit of the supply line and motor whereby the polarity of the centrifugal switch is reversed by the motor when operating on direct current, and means responsive to the passage of alternating current for connecting the collector rings into the circuit of the supply line and motor and for disconnecting the divided ring.

2,199,601
MOTOR CONTROL SYSTEM
Cyril T. Wallis, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 12, 1939, Serial No. 278,692
1 Claim. (Cl. 171—222)

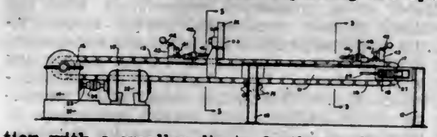


A system of speed control for universal motors comprising, in combination, a universal motor adapted to operate either on direct or an alternating current, a centrifugal switch driven by the motor, a circuit maikng device driven by the motor and comprising a ring divided into two segments connected respectively with the terminals of the centrifugal switch and uninterrupted collector rings connected respectively with the terminals of said centrifugal switch, means including opposed brushes for normally connecting the divided ring in the circuit of the supply line and motor whereby the polarity of the centrifugal switch is reversed by the motor when operating on direct current, and a single A. C. relay for disconnecting the divided ring and for connecting the collector rings in the circuit of the supply line and the motor.

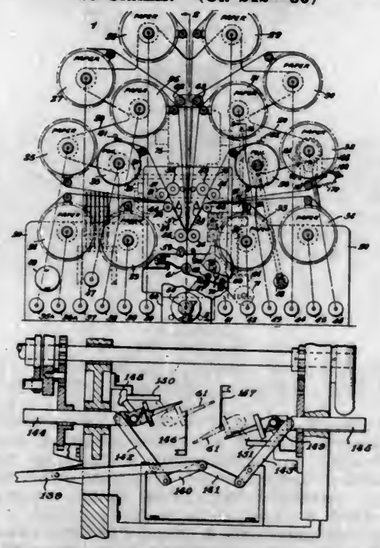
2,199,602
METHOD OF FORMING TUBES
Carl Wright, Geneva, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application September 22, 1937, Serial No. 165,167
4 Claims. (Cl. 205—8)

1. The method of drawing a substantially cylindrical tube to produce therefrom a progressively stepped tube which comprises grasping an end portion of the tube and pushing the tip portion of the tube through a guide element and subsequently a die, grasping the tip portion and pulling a trailing portion of the tube through the die while supporting the rearward end of the tube to provide a reduced tube portion, releasing

the tip portion, withdrawing the tube by the rearward end portion, and repeating the operation with a smaller die to further reduce a part of the reduced portion.



2,199,603
CONDENSER WINDING MACHINE
Thomas Ackley, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 22, 1936, Serial No. 91,882
23 Claims. (Cl. 242—56)

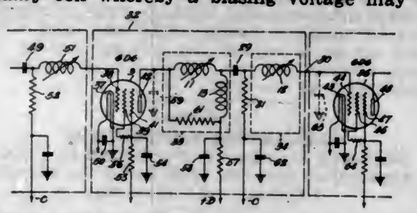


3. A condenser winding apparatus including a mandrel provided with members movable laterally and longitudinally with respect to one another for gripping the ends of insulation and inductive strips to be wound on said members in the form of a roll, a control shaft, and means mounted on said shaft for controlling the positions of said members.

23. In a condenser winding machine of the type wherein the winding operation is terminated in response to a predetermined capacity between conductive strips separated by strips of insulation, the combination of a shaft, a clutch mounted on said shaft and arranged to be closed in response to said capacity, and means responsive to closure of said clutch for cutting said conductive and insulation strips one after the other.

2,199,604
HIGH FREQUENCY AMPLIFIER
Horace C. Allen, Marlton, and Gustave L. Grundmann, Westmont, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 9, 1937, Serial No. 129,804
4 Claims. (Cl. 179—171)

2. A high frequency amplifier comprising an amplifier tube having a plate electrode and output capacity, a second amplifier tube having a control electrode and input capacity, a primary coil, a blocking condenser, and a secondary coil all connected in series between said plate electrode and said control electrode, a coupling coil connected to the junction point of said primary coil and said blocking condenser, means for supplying plate voltage to said plate electrode through said coupling coil and said primary coil, a grid resistor connected to one end of said secondary coil whereby a biasing voltage may be



supplied therethrough to said control electrode, means for tuning the circuit including said primary coil, said coupling coil and said output capacity to a certain frequency, and means for tuning the circuit including said secondary coil, said coupling coil and said input capacity to substantially said certain frequency, said coupling being such as to give said amplifier substantially a flat-topped characteristic, said primary and secondary coils being so positioned with respect to each other that substantially the only coupling between them is provided by said coupling coil.

2,199,605
SHORE
Hugh J. Baker, Indianapolis, Ind.; Velma F. Baker, administratrix of said Hugh J. Baker, deceased, assignor to Hugh J. Baker & Company, Indianapolis, Ind., a corporation of Indiana
Application April 18, 1938, Serial No. 202,654
7 Claims. (Cl. 248—355)



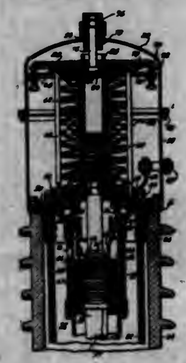
1. A shore, comprising lower and upper telescoping members, said lower member being provided on opposite sides with longitudinally extending grooves each of which has inwardly converging side walls, a head slidable on said lower member, and a pair of dogs pivotally mounted on said head on opposite sides of said lower member, each of said dogs having, at a point below its axis of pivotal mounting in said head, a wedge-like portion engaging the side walls of the adjacent groove in said lower member, and means interconnecting each of said dogs with said upper member at a point spaced outwardly from the axis of pivotal mounting of such dog in said head.

2,199,606
SOUND RECORD
Judd O. Baker, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application May 28, 1936, Serial No. 82,375, now Patent No. 2,102,776, dated December 21, 1937. Divided and this application August 31, 1937, Serial No. 161,759
3 Claims. (Cl. 274—41.6)



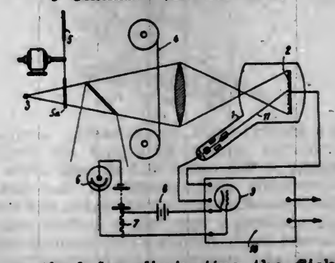
1. A sound record having thereon a sound track area having parallel margins, a sound wave record located midway between said margins and having an average width substantially half of the distance between said margins, the said sound wave record having sound wave images on each of its edges, a continuous sound amplitude record on each side of said sound wave record, said sound amplitude records following the peaks of the sound wave record and substantially filling the spaces between said peaks and said parallel margins.

2,199,607
CIRCUIT INTERRUPTER
Andrew H. Bakken, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 21, 1938, Serial No. 230,948
Renewed November 15, 1939
18 Claims. (Cl. 200—150)



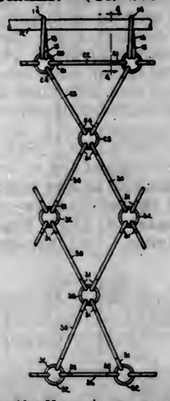
1. In a circuit interrupter, a housing, circuit interrupting means within said housing, said circuit interrupting means including a pair of contacts at least one of which is movable for establishing an arc, resilient means for biasing said movable contact to the open circuit position, and pressure relieving means associated with said housing including a member movable to open and closed positions, said movable member being normally biased to the closed position by said resilient means and moved to the open position in response to predetermined pressure conditions within said housing.

2,199,608
ELECTRONIC TELEVISION TRANSMITTER
René Barthelemy, Fontenay aux Roses, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Seine, France
Application July 15, 1938, Serial No. 219,380
In France July 19, 1937
6 Claims. (Cl. 178—7.2)



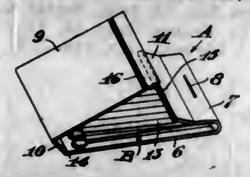
1. A method for eliminating the flicker produced during the scanning, in a television transmitter, by means of a surface formed by a group of photo-electric elements and scanned by a scanning beam, of a film which moves in jerks picture by picture and is projected on said photo-electric surface, each picture of the film being scanned a plurality of times, and the projection of the film on the photo-electric surface being stopped during each movement of the film, said method consisting in again stopping the projection of the film on the photo-electric surface for a time equal to the previous stoppage and such a number of times that the beginnings of two successive stoppages are separated by the duration of a scanning of the photo-electric surface, and continuously scanning the screen while the film is projected and while it is obturated.

2,199,609
NET FOR BASKETBALL GOAL
Joseph H. Bennett, Worcester, Mass.
Application July 8, 1939, Serial No. 283,490
12 Claims. (Cl. 273—1.5)



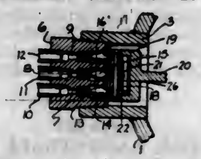
1. In a basketball net, a supporting hoop, a horizontal series of alternated rings and metallic links below the hoop, means to connect the rings to the hoop, an open mesh formed of diagonal links connected loosely to vertically spaced horizontal series of connecting rings, and horizontal links shorter than the first named links and alternated with and loosely connected to the rings of the lowest series.

2,199,610
MATCH BOOK COVER
Reni S. Berry, Los Angeles, Calif., assignor to Sydney J. Levy, Los Angeles, Calif.
Application October 26, 1938, Serial No. 237,153
7 Claims. (Cl. 206—29)



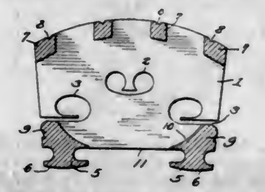
1. In a match book cover having a cover flap and a holding tongue arranged for overlapped engagement of the outer end of said cover flap, a bead of striking composition on the margin of said tongue presented toward said cover flap, and a strip of striking composition on the outer face of said cover flap arranged to extend contiguous said bead in an exposed position when the end of said cover flap is engaged by said tongue, said bead and strip constituting collectively a striking surface and said bead forming a guide shoulder intermediate the edges of such surface.

2,199,611
VALVE OPERATING STRUCTURE
Alva G. Blanchard, Shreveport, La.
Original application October 14, 1935, Serial No. 44,988. Divided and this application May 28, 1938, Serial No. 210,585
5 Claims. (Cl. 137—104)



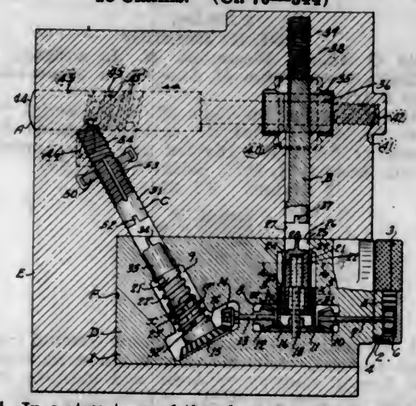
1. A housing, a plurality of outlet passages through said housing, a valve in each of said passages, said valves having slots of varying lengths in one end to determine the order in which they are opened, a pin through said slots operated by a lever fulcrumed within said housing, a float on the end of said lever, whereby said valves are opened one at a time in sequence, responsive to the downward movement of said float.

2,199,612
BRIDGE FOR STRINGED INSTRUMENTS
Ernest R. Born, Cavalier, N. Dak.
Application January 9, 1939, Serial No. 250,019
3 Claims. (Cl. 84—309)



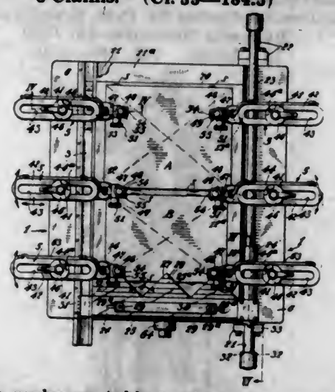
1. A bridge for stringed instruments including spaced walls, connections between the walls at their corners providing an unobstructed space extending between and opening through the sides of the bridge, and feed integral with some of the connections.

2,199,613
LOCK-ACTUATING STRUCTURE
Albert L. Bresch, University City, Mo.
Application August 26, 1936, Serial No. 97,961
18 Claims. (Cl. 70—344)



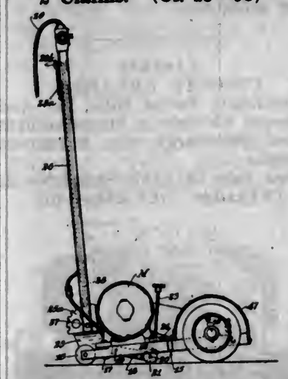
1. In a structure of the class described, a housing, a driven bar longitudinally and rotarily movable in the housing for endwise projection, and a shaft longitudinally and rotarily movable in the housing angularly disposed to, and having driving connection with, the bar.

2,199,614
PREPARATION OF TYPE FOR SUPERIMPOSED PRINTING
George W. Bungay, New York, N. Y., assignor to Electrographic Corporation, New York, N. Y., a corporation of Delaware
Application December 30, 1936, Serial No. 118,188
8 Claims. (Cl. 33—184.5)



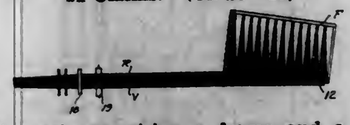
1. In a make-up table having a bed, means to locate a backing plate on the bed, an arm movable over the bed parallel thereto, bearing members to support the arm for such movement, and clamping means to apply clamping pressure to one of the bearing members to clamp the arm in adjusted position, the improvement which comprises: the arm having a longitudinal slot, a post connected to said bed perpendicular thereto and passing through said slot, one of said bearing members being a supporting surface adjacent to said post and contacting the under side of said arm, another of said bearing members being adjacent to said post in bearing engagement with the top of said arm, means resiliently securing said other bearing member to said post, and clamping means operable to force said other bearing member into clamping engagement with said arm.

2,199,615
FLOOR ABRADING MACHINE
Benjamin A. Casper, Minneapolis, Minn.
Application August 20, 1936, Serial No. 96,999
2 Claims. (Cl. 15—93)



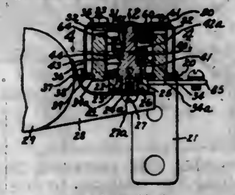
1. In a floor abrading machine, a frame comprising a pair of forwardly extending spaced arms, an abrasive drum, a pair of drum driving elements comprising plates in engagement with the ends of said drum and having stub axles extending outwardly therefrom, one of said stub axles having an axial bore entirely therethrough and the other of said axles having a threaded axial socket therein, said drum having an axial aperture therethrough in alignment with the aperture in one of said stub axles and the threaded socket of the other of said axles, and a threaded rod extending through the apertures in said axle and said drum and in engagement with the threaded socket in said other axle, whereby said drum and said engaging elements and axles may be detachably connected as a unit, and said unit being journalled between said spaced arms.

2,199,616
CREEL
David C. Churchill, Berea, Ky.
Application April 1, 1938, Serial No. 199,394
11 Claims. (Cl. 28—40)



1. A creel comprising a frame and a frame support, the frame comprising relatively lower bobbin supporting means and relatively upper thread guide means, and a grid having openings arranged substantially longitudinally of the frame with substantially separate openings therethrough for different of the threads from said bobbins, said threads passing from said bobbins and traversing said guide means and grid openings, and said grid having its said thread openings successively increasingly spaced from the horizontal plane of a first of said openings, whereby threads passed through said openings, and each extending horizontally from its respective opening in the same lateral direction, will be arranged in a generally vertical plane upon leaving said creel.

2,199,617
WIND SWITCH
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 28, 1938, Serial No. 193,030
11 Claims. (Cl. 200—81)



1. A wind operated switch comprising a rotatable shaft, a wind pressure vane attached to the shaft, a cam carried by the shaft, a switch contact arm actuated by the cam, a coiled spring and a spring anchor plate attached to the shaft in predetermined relation to the cam and with which the spring cooperates to resist movement of the shaft after the shaft has moved a certain distance.

2,199,618
HAY CUTTING SAW
James J. Conover, Columbia, Ky.
Application July 20, 1938, Serial No. 220,383
4 Claims. (Cl. 30—272)

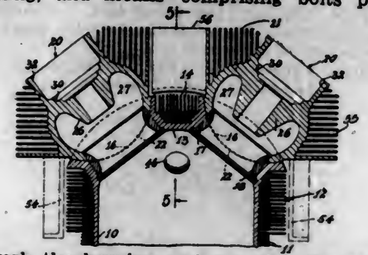


1. In a hay saw, a housing having a flat rear surface, a saw blade having one end reciprocally mounted in one end of the housing, said saw blade having its cutting portion off-set in the plane of the rear of the housing and power drive means for the saw.

2,199,619
COMPOSITE CYLINDER AND HEAD
Rudolph Daub, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application August 25, 1938, Serial No. 226,629
14 Claims. (Cl. 123—193)

1. A composite internal combustion engine cylinder comprising a cylinder member having an integral domed head the head having a groove of cylindrical form thereacross and a valve opening through the central part of the groove to the cylinder interior, a valve housing of different material than the cylinder having a cylindrical bottom portion complementary to and fitted to said head groove, the valve housing having a valve

port and a guide concentric with said valve opening, and means comprising bolts passing



through the housing and engaging the cylinder head for attaching the housing to the head.

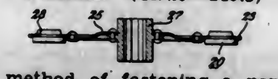
2,199,620

METHOD OF SIZING AND RIVETING POROUS METAL ARTICLES

James H. Davis, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 10, 1937, Serial No. 173,826

5 Claims. (Cl. 29—149.5)



I. The method of fastening a porous metal wear plug made from sintered powdered metals and having a shouldered portion thereon to a supporting member and simultaneously compressing the plug to increase the density thereof which comprises the steps of, assembling the plug and the supporting member so that the shoulder portion of the plug abuts one surface of the member and the remainder of the plug passes within an aperture that passes through the member, placing the shoulder portion of the plug in a die of substantially the same diameter as the shouldered portion but of a depth less than the height of the shouldered portion, striking the portion of the plug that extends in the aperture so as to deform the same for causing the plug to be fastened to the member and for simultaneously compressing the shoulder portion of the plug to increase the density thereof without substantially changing the diameter thereof.

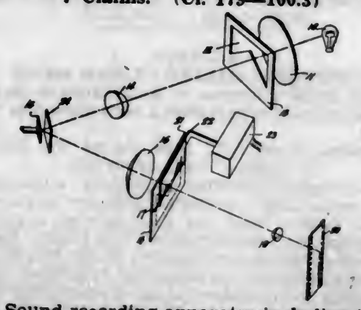
2,199,621

SOUND RECORDING

Glenn L. Dimmick, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 28, 1938, Serial No. 193,130

7 Claims. (Cl. 179—100.3)



1. Sound recording apparatus including illuminating means, means for directing light from said illuminating means through an aperture defining the shape of the recording beam, means for directing said beam to a slit, means for vibrating a portion of said beam at said slit, means for directing another portion of said beam to said slit independently of said vibrating means, means for obscuring predetermined areas of both said portions of said beam at said slit, and means for imaging the light passing through said slit upon a recording medium.

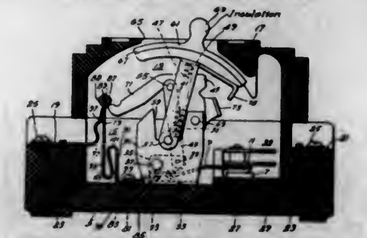
2,199,622

CIRCUIT BREAKER

Hiller D. Dorfman, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 31, 1937, Serial No. 156,769

12 Claims. (Cl. 200—116)



1. In electrical apparatus, a current carrying bimetallic control element comprising a strip of bimetallic material having sharp reverse loops bent therein adjacent its base, said loops having leg portions which are all disposed substantially parallel and close to each other, the current in flowing through said element crowding the high expansion side at the majority of the sharp curves of said loops to effect an increased deflection of the element.

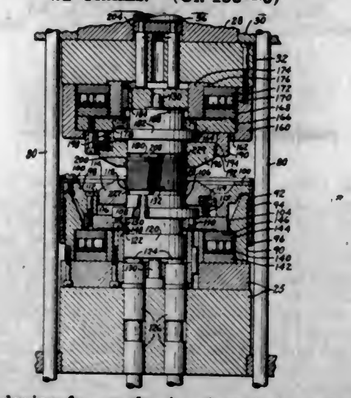
2,199,623

CONDUCTOR BENDING DIE

George W. Elsey, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 15, 1936, Serial No. 85,323

21 Claims. (Cl. 153—6)



1. A device for anchoring inserted conductors to a laminated core comprising, in combination, a core support; means for skewing the laminations; means for compressing the core laminae together; and means for simultaneously bending

protruding straight conductor ends against the adjacent core end and into contact engagement with each other.

21. A device for anchoring inserted conductors to a laminated core comprising, in combination, a core support; means for bending the protruding conductor ends against the core; means for skewing the laminations of the core a predetermined amount prior to the bending of the conductors against the core; and means for maintaining the laminae in the said predetermined skewed condition while the conductors are bent against the core.

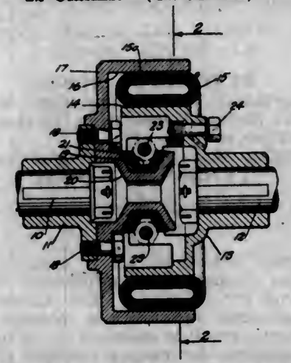
2,199,624

FLEXIBLE COUPLING

Thomas L. Fawick, Akron, Ohio

Application March 26, 1938, Serial No. 198,259

12 Claims. (Cl. 64—11)



10. A flexible coupling comprising a pair of coupled members, an annular fluid-container having freely-flexing side-walls for transmitting torque at a relatively large distance from the axis of rotation and thrust-cushioning means closer to the axis of rotation.

2,199,625

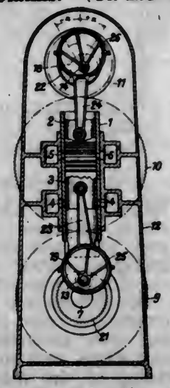
DOUBLE-PISTON INTERNAL COMBUSTION ENGINE

Benno Fiala-Fernbrugg, Vienna, Germany

Application June 4, 1938, Serial No. 211,765

In Germany, formerly Austria, June 11, 1937

7 Claims. (Cl. 123—51)



4. In an internal combustion engine, the combination of a crank shaft, a cylinder, opposing pistons in said cylinder having a combustion chamber between them, a driving means between said pistons and said crank shaft comprising a cycloid drive for each of said pistons, said drives being adapted to give two stages of approach of said cylinders toward each other for each rotation of the said crank shaft.

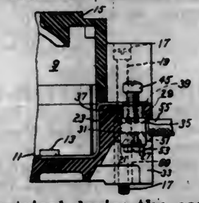
2,199,626

CIRCUIT BREAKER

Gerald J. Freese, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 21, 1936, Serial No. 106,869

17 Claims. (Cl. 175—298)



1. In an electrical device the combination of a base for supporting said device and terminal means for removably connecting said device in a circuit, said terminal means comprising a terminal strip and a member of conducting material secured to said strip having a vertically threaded opening extending therethrough and a transverse opening extending through a side of said member and joining said vertical opening, a clamping shoe disposed in said opening, and a terminal screw threaded in said vertical opening and removably coupled to said shoe.

2,199,627

METHOD OF DRAWING METAL

John W. French and Armand J. Andre, Warren, and Leo A. Teachout, Youngstown, Ohio, assignors, by mesne assignments, to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York

Application April 30, 1937, Serial No. 139,980

1 Claim. (Cl. 113—51)



The method of drawing metal which includes the steps of rolling a coating of melted tallow under pressure onto the surface of a flat metal blank to form a tallow coating of uniform thickness thereon, then immediately applying a uniform coating of liquid drawing compound to said uniformly tallow coated blank, and then subjecting the uniformly coated blank to a deep drawing operation.

2,199,628

DOOR CLOSER

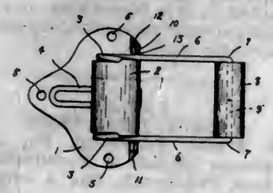
Hiram B. Gallinger, Superior, Wis.

Application May 22, 1939, Serial No. 274,962

9 Claims. (Cl. 16—76)

1. A door closer comprising a bracket portion, a spring housing extending integrally from said bracket portion, a spring within said housing having arms extending in opposite directions,

one of said arms being adapted to bear against a door, and a pin extendible intermediate of said



bracket and arm to hold said arm in substantially parallel relation to said bracket when said closer is not functioning as such.

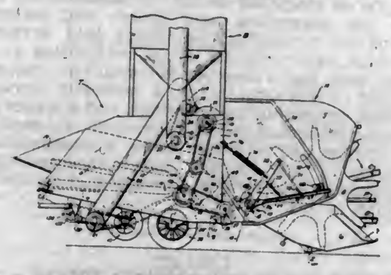
2,199,629

COMBINATION HARVESTER-THRESHER

Sherman C. Heth and William B. Tallman, Racine, Wis., assignors to J. I. Case Company, Racine, Wis., a corporation

Application March 11, 1937, Serial No. 130,257

17 Claims. (Cl. 56—123)



4. In a harvesting machine a platform, a cutter-bar on the front edge of the platform, a reel supported above the platform and arranged to urge material against the cutter-bar and to sweep material cut by said cutter bar over the platform, a pivot about which said platform is adjustable for up-and-down movement of the cutter-bar, a lever connected with the platform and movable about said pivot as a center, means for moving said lever for adjusting said platform, an arm extending from the pivot and movable thereabout, and arranged for supporting the reel at its outer end, and a connection between the lever and arm arranged to prevent relative movement thereof in one direction, but to permit movement in the opposite direction, whereby to support the reel in predetermined relation to the platform, while allowing it to rise in the event of the introduction of any excess material between the platform and reel.

2,199,630

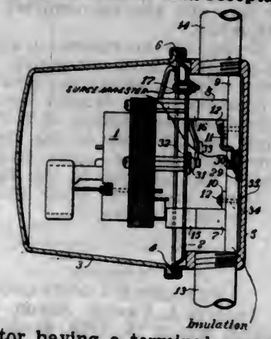
METER CIRCUIT PROTECTIVE MEANS

John K. Hodnette, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 9, 1938, Serial No. 218,334

6 Claims. (Cl. 171—34)

5. In a socket for a detachable meter having electrical contact members, a receptacle, a plurality of electrical contact elements in said receptacle for establishing contact with said meter contact members, and an electrical surge discharge circuit for said meter including an electrical surge protector in said receptacle, said



surge protector having a terminal connected to one of said contact elements.

2,199,631

RESTRICTOR TUBING

John Karmazin, Huntington, Ind., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application May 18, 1936, Serial No. 80,255

1 Claim. (Cl. 138—44)



Restrictor tubing of small diameter for refrigerating apparatus comprising steel wire wound into the form of a spiral spring with the individual coils hermetically bonded together with cuprous bonding material while in a reducing atmosphere, the internal surfaces of said tubing presenting a series of turbulence producing corrugations, and the internal diameter being sufficiently small to afford proper restriction to the flow of refrigerant through the tubing.

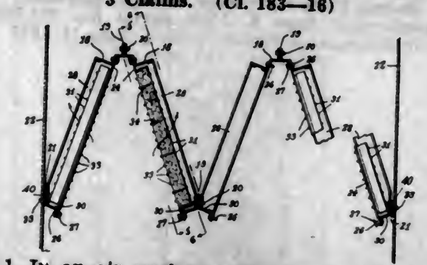
2,199,632

AIR WASHER

Robert E. Keyes, Wellesley Hills, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.

Application April 8, 1938, Serial No. 200,920

3 Claims. (Cl. 183—16)



1. In an air washer, a plurality of superimposed rows of filters arranged cross-wise said washer in a zig-zag path and exposed on their front sides of the spray water, means forming sumps below each of said rows of filters and in alignment with said filters for collecting the water draining by gravity from said filters, and means, comprising wires protruding from the back sides of said filters and extending below the exposed portions of the filter material to points adjacent said sumps for collecting water droplets at the back sides of said filters and for draining the droplets into said sumps.

2,199,633

PROCESS FOR THE SYNTHESIS OF CHLORINATED, UNSATURATED HYDROCARBONS

Herman B. Kipper, Accord, Mass.

No Drawing. Application July 1, 1938, Serial No. 217,021

3 Claims. (Cl. 260—654)

1. In a process for the chlorination and dehydrogenation of petroleum hydrocarbons to produce unsaturated chlorinated hydrocarbons, the step of treating the said hydrocarbons simultaneously with chlorine and nitric acid at temperatures under one hundred and fifty degrees centigrade.

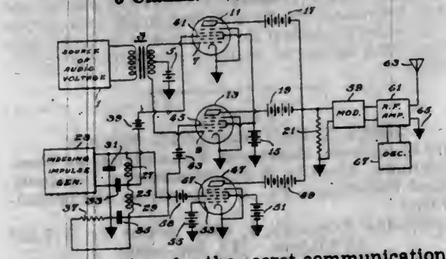
2,199,634

SECRET COMMUNICATION SYSTEM

Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 21, 1938, Serial No. 214,866

6 Claims. (Cl. 179—1.5)



1. In a system for the secret communication of intelligence, the method of operation which includes the steps of generating a series of indexing impulses of supersonic frequency; successively delaying said impulses; generating a signal voltage; obtaining components of said signal voltage which are in phase opposition, utilizing said delayed impulses to control said components which are in phase opposition to thereby obtain a series of separate successive impulses representing respectively an instantaneous value of said signal voltage having one phase and a subsequent instantaneous value of said signal voltage having an opposite phase; transmitting said indexing impulse and said successive impulses; receiving said transmitted impulses; separating said indexing impulse from said successive impulses; successively delaying said indexing impulses; and utilizing said successive delayed impulses to reestablish said signal voltage.

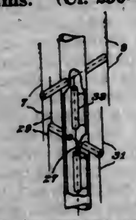
2,199,635

ULTRA HIGH FREQUENCY ANTENNA

Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 31, 1939, Serial No. 265,101

2 Claims. (Cl. 250—33)



1. An ultra high frequency antenna which includes a metallic mast and two pairs of radiators disposed in mutually perpendicular planes on opposite sides of said mast, said radiators having two coaxial sections parallel to said mast, one pair of said radiators being positioned a quarter wave length above the other, and a coaxial transmission line for energizing the coaxial sections of each radiator in phase opposition and including means for energizing one of said pairs in phase quadrature with respect to the other pair.

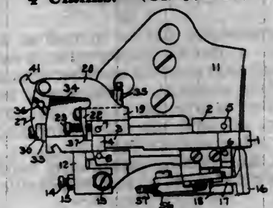
2,199,636

KNITTING MACHINE

Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application December 31, 1935, Serial No. 56,991

4 Claims. (Cl. 66—50)



3. Pattern mechanism for knitting machines of the type described including a support, a series of superposed selecting plungers individually slidable in said support, said plungers being movable to and from operative and inoperative positions and means including a single member bodily movable to and from a position to engage a plural number of said plungers to permit reselection thereof and forming a component part of said mechanism for holding some plungers in active position, and at the same time, retaining other plungers in inactive position.

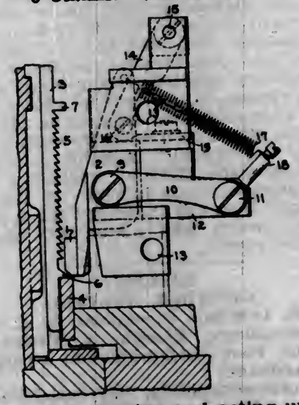
2,199,637

CAM FOR KNITTING MACHINES

Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Original application December 31, 1935, Serial No. 56,991. Divided and this application March 4, 1937, Serial No. 129,018. In Canada January 4, 1935

6 Claims. (Cl. 66—57)



1. A cam for engaging and acting upon butts of knitting instrumentalities including in com-

bination a butt engaging portion, an arm, pivots about which said arm and cam may swing in a vertical plane, said pivots being provided by a system of levers so constructed and arranged that swinging movements of the arm result in substantially horizontal movements of the cam.

2,199,638
THERMOSTAT

Paul R. Lee, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 12, 1937, Serial No. 174,190
10 Claims. (Cl. 200—122)

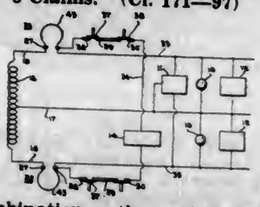


1. A thermostatic device including a bimetallic element, a circuit-maker-and-breaker comprising a movable contact member mounted upon said bimetallic element, a stationary terminal, a radiant heater connected at one end to the movable contact of said circuit-maker-and-breaker and at the other end to the stationary terminal, a stop stud, and means comprising said stud for limiting the movement of said bimetallic element.

2,199,639
LOAD LIMITING MEANS FOR AN ELECTRICAL SYSTEM

Paul R. Lee and Earl K. Clark, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 12, 1938, Serial No. 240,034
5 Claims. (Cl. 171—97)



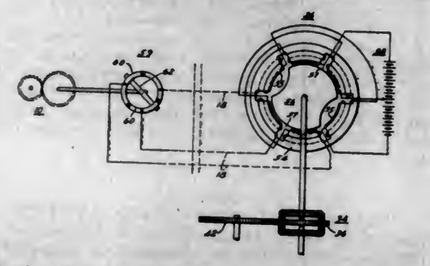
5. In combination, a three-wire electrical system having a neutral wire and two main wires, a plurality of sets of preferred translating devices, said sets being respectively individually connectable across the respective main wires and the neutral wire, an electric water heater connectable across two of the wires of the system, first and second switches connected to the respective terminals of said load, thermal responsive elements for respectively effecting the opening or closing of said switches, and electrical heaters for the respective elements connected to be energized in accordance with the currents traversing only the respective sets of said translating devices thereby to cause each thermal responsive element, upon a predetermined increase in the current traversing it from the associated set, to open the associated switch and disconnect said water heater from circuit.

2,199,640
CONTROL SYSTEM

Bernard E. Lenehan, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 28, 1937, Serial No. 166,227
4 Claims. (Cl. 172—239)

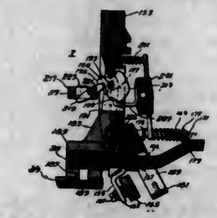
2. In a remote control system, a translating device at a remote station comprising an armature and a plurality of spaced windings so disposed with respect to said armature as to cause the armature to rotate when said windings are energized in adjacent pairs progressively, a plurality of conductors each connecting one terminal of each of said windings with a control station, means at the remote station connecting a source of electrical energy across each pair of the other terminals of the said windings, and means at the control station for progressively electrically connecting adjacent pairs of said conductors together.



2,199,641
CIRCUIT CONTROLLING DEVICE

Ture Lindstrom, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 5, 1937, Serial No. 124,253
13 Claims. (Cl. 200—106)

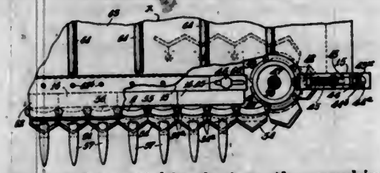


1. In a circuit breaker having relatively movable contacts, operating mechanism for opening and for closing said contacts, and a spring-biased actuating member releasable to effect opening of said contacts; a trip device comprising releasable latch means for restraining said actuating member, an armature movable from a normal unattracted position to an attracted position to effect release of said latch means to free said actuating member, an electromagnet connected in circuit with said contacts operable in response to overload currents of more than a predetermined magnitude to move said armature to attracted position, and means including a member of magnetic material positioned adjacent said armature in its normal position for restraining said armature in its normal position with a predetermined force, said armature having a portion of increased reluctance adjacent said member of magnetic material for causing a portion of the magnetic flux to be shunted through said member, and said member being arranged to become saturated at a current below said predetermined magnitude, whereby said armature is rendered substantially shock proof, and whereby a large portion of the force exerted by said electromagnetic means on overload becomes available for effecting release of said latch means during movement of said armature to tripping position.

2,199,642
SICKLE DEVICE

Sylvester V. Maninger, Wichita, Kans., assignor of one-half to Richard Reida, Harper, Kans.

Application April 12, 1937, Serial No. 136,336
2 Claims. (Cl. 56—292)



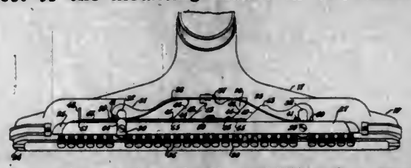
1. In a rotary sickle device; the combination of a frame element having a sprocket wheel revolvably mounted at each end thereof and a link sickle element strung around and between said sprocket wheels; a series of grooved sickle guard elements mounted on said frame element and projecting forwardly therefrom, the bases of said grooved sickle guard elements abutting each other so that the groove in each guard element registers with the groove in the adjacent guard element so as to form a continuous groove in front of, and in parallelism with the said frame element, and in such a position that the link sickle element will enter into and rest on the bottom of said groove and snugly fit between the side walls of said groove and the sickle blades carried by the links will slide across the guard fingers for shearing cutting purposes; said links being so joined together that the sickle blades carried thereon will abut each other when the said links are in said groove so as to afford a stiffening effect for the sickle element in advance of said frame element; a shelf like element carried by said frame element and extending rearwardly therefrom, said shelf element occupying the space intermediate the said sprocket wheels and being so positioned that the links of said link sickle element will pass thereover and rest thereon and a spring plate element rigidly mounted on said frame element and extending the distance between the said sprocket wheels, said spring plate extending over the link portions of the link sickle element both in front of and behind the said frame element, said spring plate exerting pressure on the sickle blades passing across the said guard fingers so as to insure a rubbing shearing effect between the sickle blades and the fingers of the sickle guard, said sickle blades having sharpened edges on two sides thereof so that the sickle will cut regardless of the direction of travel of the sickle, and means for driving one of said sprocket wheels in either of two selected directions, and means for adjusting the space intermediate the said sprocket wheels.

2,199,643
SUCTION CLEANER NOZZLE AND ADJUSTABLE BRUSH THEREFOR

Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio

Application March 23, 1937, Serial No. 132,556
8 Claims. (Cl. 15—158)

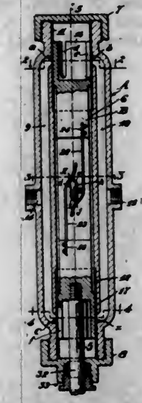
1. In adjustable brush construction, a brush, mounting means for the brush including a plate, and selective adjusting means operatively associated with the brush and including cam and latch faces formed on the plate and an operating member having cam follower and latch catch means for cooperation with the cam and latch faces of the plate, the operating member being arranged for selective longitudinal movements on the brush between two positions and also for selective additional lateral and longitudinal movement on the brush between one of the first two positions and a third position, the movement of the operating member between the first two positions serving alternately by cooperation of the cam follower and catch means and certain cam and latch faces to adjust the brush with respect to the mounting means in two different conditions, and the selective additional movement of the operating member between one of the first two positions and the third position serving alternately by further cooperation of the cam follower and catch means and other cam and latch faces to adjust the brush with respect to the mounting means between one of the first two conditions and a third condition.



2,199,644
FLUID PRESSURE OPERATED ENGINE

Caswell C. Matlock and Bernard Baldwin, Los Angeles, Calif.

Application October 22, 1937, Serial No. 170,413
4 Claims. (Cl. 121—101)



1. In a liquid pressure operated engine, a tubular housing, a piston mounted in said housing for longitudinal and axial reciprocating movement, means on said piston for alternately directing liquid under pressure to opposite ends of the piston on axial movement of the latter to effect longitudinal reciprocation of the piston, means for translating movement of the piston to the exterior of the housing, a pin projecting interiorly of the housing, springs carried by said piston engaging said pin for effecting turning of the piston at the ends of the stroke thereof and serving to determine the length of stroke of the piston, and lugs carried by said piston, said lugs having inclined portions which cooperate with said springs to increase the extent of the turning movements which the latter impart to said piston.

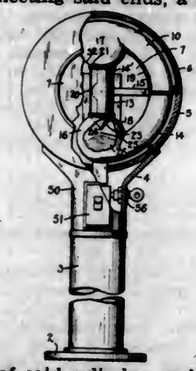
2,199,645
TIMING DEVICE

Ira E. McGehee, Houston, Tex.

Application April 14, 1936, Serial No. 74,262
Renewed October 5, 1939
2 Claims. (Cl. 161—15)

1. A timing device comprising a transparent

container having a semi-circular tubular form, an enlarged area at each end thereof, a cylinder portion connecting said ends, a restricted orifice



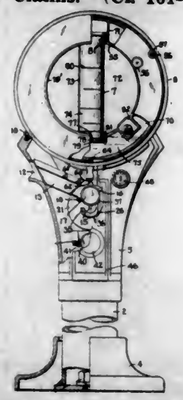
at one end of said cylinder, and a body of material disposed in said container and adapted to flow by gravity through said orifice during a predetermined period.

2,199,646

PARKING METER

Ira E. McGehee and Leo W. Krall, Houston, Tex.

Application August 7, 1936, Serial No. 94,851
Renewed October 5, 1939
2 Claims. (Cl. 161—15)



1. A parking meter comprising a support, an actuating mechanism therein, a housing on said support, a timing device in said housing, said device comprising an annular channel, a body of material in said channel which will flow by gravity, a partition in said channel means operable by said actuating mechanism to move said channel so that said partition will elevate the material, a trap to receive the elevated material, and means to gauge the discharge of the material from the trap to indicate the parking period, said trap being visible in said housing.

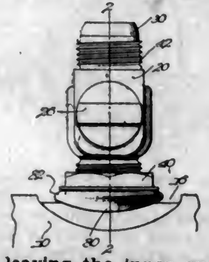
2,199,647

PIPE CONNECTION AND SEALING MEMBER

Frank H. Mueller, Walter J. Bowan, and Elmer H. Fawley, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois

Application September 12, 1938, Serial No. 229,578
4 Claims. (Cl. 285—55)

1. A sealing member comprising a hollow ring-shaped carrier of thin deformable metal, and a ring of compressible packing material mounted in and filling the interior of said carrier, said packing ring having top and outer walls and exposed inner and bottom walls, said carrier substantially confining the top and outer walls of said packing



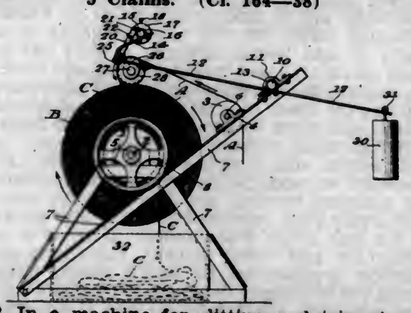
ring, while leaving the inner and bottom walls thereof exposed, the wall of said carrier which confines the outer wall of said packing ring comprising upper and lower conical surfaces which meet in a bend extending around said sealing member.

2,199,648

MACHINE FOR SLITTING AND TRIMMING PLASTIC WEBS

Frederic A. Parkhurst, Suffield, Conn., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application December 9, 1938, Serial No. 244,832
5 Claims. (Cl. 164—38)



2. In a machine for slitting and trimming a web of plastic material, in combination, a source of supply for the plastic web, a winding roll on which the web is wound, a grooved bed roll, a counter-balanced movable arm for positioning said bed roll to bear with substantially uniform pressure against the material wound on the winding roll, and a straight edged non-rotative knife guided in a groove in said bed roll, the edge of said knife being inclined to form an acute angle with the uncut surface of the web which does not touch the bed roll, said bed roll being arranged with respect to the source of supply and the winding roll so that the web is in contact with a substantial portion of the periphery of the bed roll and is held closely in contact therewith during the cutting operation.

2,199,649

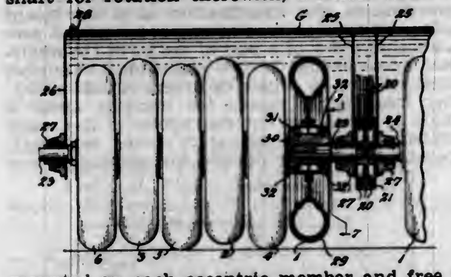
COMPACTION MACHINE

John W. Poulter, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation

Application January 7, 1937, Serial No. 119,519
1 Claim. (Cl. 94—50)

In an earth compacting apparatus of the class

described, in combination, a portable support, a straight drive shaft rotatably mounted on said support and disposed in a horizontal position, a plurality of angularly displaced eccentric members mounted on said drive shaft in side-by-side relation to each other and fixed to said drive shaft for rotation therewith, a wheel structure



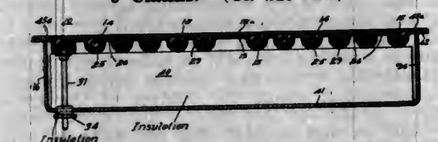
mounted on each eccentric member and free to rotate relative thereto, and means for rotating said drive shaft to cause the peripheries of the wheel structures to intermittently and rapidly engage and disengage the earth in a predetermined order with an impingement and rolling motion, whereby to produce an earth compacting effect, accompanied by a kneading effect.

2,199,650

HEATER UNIT

George E. Price, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 3, 1937, Serial No. 162,236
6 Claims. (Cl. 219—37)



5. An electric heating unit adapted to operate at a red heat in air and to directly support a cooking utensil on one surface thereof comprising a pair of metal plates arranged in face-to-face relation, said plates having cooperating embossed portions providing spaced passages therebetween, a resistor wire arranged in a plurality of spaced convolutions with only one convolution disposed in each passage, a continuous mass of highly compressed heat-conducting and electrical-insulating material entirely surrounding said wire and exerting an expansive force on said plates, means for securing said plates together to resist the expansive thrust of the material, the embossed portions of the upper plate being flattened under pressure applied thereto to more highly compress the material in a zone between the wire and the upper plate to increase the thermal conductivity of said zone and to provide a generally flat cooking surface.

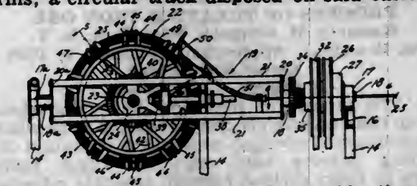
2,199,651

SEWER SWEEP

Roy T. Quick, Los Angeles, Calif., assignor to George H. Werfelman, Los Angeles, Calif.

Application July 20, 1937, Serial No. 154,622
6 Claims. (Cl. 242—54)

1. In pipe cleaning apparatus the combination of: a frame; a revoluble carriage journaled in said frame by means of a pair of trunnions one of which is tubular; means on one of said trunnions for revolving said carriage; a reel rotatably mounted in said carriage on an axis substantially at right angles to that of said carriage, said reel being provided with a plurality of pivoted fingers adapted to hold wire in place on said reel, said fingers being provided with outwardly extending arms; a circular track disposed on said carriage



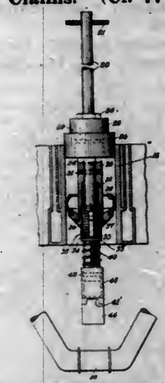
so that said extending arms can ride thereon during the greater portion of their travel to prevent said fingers from opening away from said reel; and means rotatable about one of said trunnions and connected to said reel for causing rotation of said reel on its normal axis.

2,199,652

CYLINDER REFINISHING MACHINE DEBRIS DISCHARGER

Otto Schuhmacher, Newark, N. J.

Application December 1, 1937, Serial No. 177,465
3 Claims. (Cl. 77—55)



1. A cylinder refinishing debris collecting and discharging device, comprising a flexible normally funnel shaped inverted skirt, a ring to guide said skirt into a cylinder to be refinished, said skirt expansible when passed through the cylinder, a manually operable spindle having a sleeve on which said ring is interchangeably engaged, a rigid hollow collector head to which said skirt is fixed at its bottom, means combined with said spindle to extract said head, a cylindrical tube engaged in said head and provided with orifices for the entrance of debris, said tube having opposed discharge ports in its lower portion, a sleeve slidably surrounding the lower portion of said tube, a compression spring coiled around said tube to urge said head carried skirt against the cylinder, and means to support the device carried by the last named sleeve.

2,199,653

PROCESS OF TREATING TALL OIL

Ernest Segessemann, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application July 7, 1938, Serial No. 217,974
14 Claims. (Cl. 260—103)

1. In a process of treating tall oil to separate the fatty acid components from the resin acid components the steps which comprise esterifying the fatty acids with a low boiling alcohol and

subsequently esterifying the resin acids with an alcohol having a higher boiling point than the first alcohol.

2,199,654

PROCESS OF TREATING IRON ORE

Kenneth M. Simpson, New York, N. Y.

No Drawing. Application February 7, 1939, Serial No. 255,148
6 Claims. (Cl. 75—1)

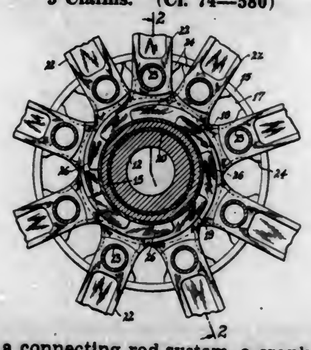
1. The process of removing nickel and chromium from an iron ore containing the same which comprises a chromium separation operation including passing said ore over slime tables while in finely divided form to separate minerals containing chromium from said ore, and a nickel separation operation including converting the nickel of said ore to metallic form while leaving the iron substantially all in oxide form, treating the ore with carbon monoxide to form nickel carbonyl vapors, and separating said vapors from said ore, said operations being carried out in any desired order.

2,199,655

TRUE-MOTION CONNECTING ROD

Ferdinand P. Sollinger, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application September 2, 1939, Serial No. 293,211
5 Claims. (Cl. 74—580)



1. In a connecting rod system, a crankpin having opposed annularly grooved members thereon, a plurality of similar connecting rods each having substantially crescent-shaped inner end portions embracing substantially one-half of the crankpin, said inner end portions being thin and tilted from the plane of rotation so that the portions of adjacent rods overlap one another, pin stubs on the opposite sides of each rod opposite said annular grooves, and segmental bearing blocks carried on said pin stubs and engaging within said grooves.

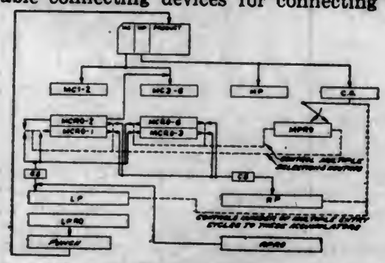
2,199,656

MULTIPLYING MACHINE

James W. Bryce, Glen Ridge, N. J., and Arthur H. Dickinson, Bronxville, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application March 24, 1937, Serial No. 132,702
27 Claims. (Cl. 235—61.6)

1. Entry routing and transfer control devices for the multiplying mechanism of a multiplying machine which machine provides digital multiples of a multiplicand upon representing devices therefor and transfers selected multiples from said representing devices through column shift means to a pair of result receiving means in one or more successive multiple entry cycles of such receiving means, in combination, a multiplier factor manifesting means, means for entering a multiplier factor therein, means including digit value classification and zero ascertaining and detecting means controlled by elements of the multiplier factor centering means, cycle control means set up under control of said last named means according to the classification of a significant multiplier digit entered in one order with a zero in another order of a pair of orders of the multiplier or according to two significant multiplier digits entered in a pair of orders of said multiplier manifesting means for bringing about a single or successive entering cycles of the result receiving means, column shift means, selectively operable connecting devices for connecting any



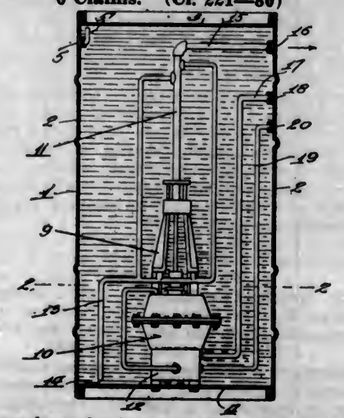
one representing device through column shift means to enter or both receiving means or for connecting any one representing device through column shift means to one receiving means and any other representing device through column shift means to the other receiving means, and means for selectively controlling the last mentioned connecting devices under the control of the multiplier factor manifesting means according to a manifested significant multiplier digit in one order or according to significant multiplier digits in a pair of orders of an entered multiplier, said selected connecting devices being brought into operation under the control of the cycle control means and said column shift means being selected for and brought into operation by said cycle control means.

2,199,657

DISPENSING PACKAGE

Ray Bunch, Los Angeles, Calif.

Application December 15, 1937, Serial No. 179,923
6 Claims. (Cl. 221—80)



1. A package for transporting a fluid; top, bottom and side walls of the package forming a chamber for the fluid, a motor-pump unit in the

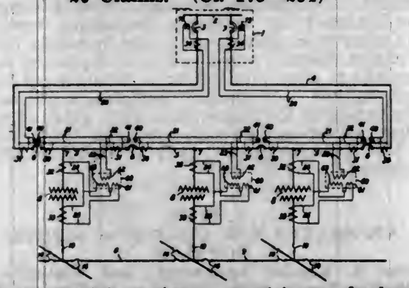
chamber fixed to one of the walls of the package and contained wholly therein, means for the transmission of power to the motor and passing through a wall of the package, dispensing means connected to the pump and passing through a wall of the package, said transmission and dispensing means where they pass through the wall of the package being provided with separate closure fittings for removable connection with means to supply power and means to receive the fluid, respectively and said fittings being located wholly below the external surface of the wall of the package.

2,199,658

ELECTRIC PROTECTIVE SYSTEM

Philip H. Chase, Bala Cynwyd, Pa.

Application November 25, 1938, Serial No. 242,233
20 Claims. (Cl. 175—294)



1. An electric system comprising a feeder, a tap therefrom, a normally closed circuit-interrupting device, a protective system having a feeder-responsive portion associated with the circuit-interrupting device, a tap-responsive portion, the feeder-responsive portion being inductively coupled to the feeder and the tap-responsive portion being inductively coupled to the tap, means including a transformer portion for connecting said responsive portions adapted normally to maintain an electrical condition in said responsive portions to permit said circuit-interrupting device to remain closed, and adapted under conditions of fault on the feeder to permit a resulting current in the feeder-responsive portion to effect opening of said circuit-interrupting device, said connecting means being adapted to effect in response to a fault on the tap a value of current in the feeder-responsive portion for opening said circuit-interrupting device, said last-named current being greater than the value that it would have under conditions of fault of the same magnitude on the feeder.

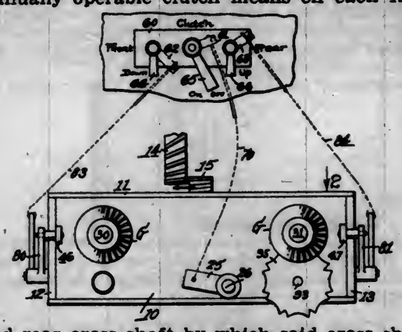
2,199,659

POWER TAKE-OFF FOR AUTOMOBILES

Joseph A. Courville, Marlboro, Mass., assignor of one-half to Alice A. Courville, Marlboro, Mass.; Alice A. Courville administratrix of Joseph A. Courville, deceased

Application July 20, 1939, Serial No. 285,569
8 Claims. (Cl. 74—11)

1. In an automobile having a plurality of permanently installed jacks and a continuously rotated power gear, a power take-off unit comprising a casing, a drive shaft journalled in said casing, a gear slidable on said drive shaft into and out of engagement with said rotating power gear, a manual control device for said sliding gear, front and rear bevel gears mounted on and rotatable with said drive shaft, front and rear cross shafts journalled in said casing, a pair of oppositely disposed bevel gears loosely rotatable in spaced relation on each front and rear cross shaft, said latter gears continuously engaging said bevel gears on said drive shaft and being rotated in opposite directions thereby, separate manually operable clutch means on each front



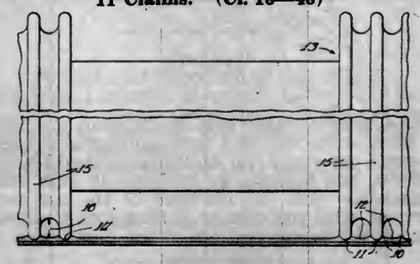
and rear cross shaft by which said cross shafts may be selectively connected for rotation by either bevel gear thereon, and driving connections from said front and rear shafts to the front and rear jacks associated therewith.

2,199,660

METHOD OF MAKING ROOFING

Frank G. Eichhorn, Chicago, Ill., assignor to The Lehon Company, Chicago, Ill., a corporation of Illinois

Application March 8, 1937, Serial No. 129,587
11 Claims. (Cl. 18—48)



1. The method of grooving prepared roofing having a coating of asphalt with granular surfacing material partly imbedded therein which comprises advancing a sheet of said roofing having the asphalt coating in a relatively soft condition, supporting the back of said sheet on a smooth surface, and applying successively to the top face of the sheet while thus supported a plurality of groove forming edges, each edge being impressed progressively into the sheet from one portion of the edge to another portion thereof, so that no groove is formed simultaneously throughout its length and gouging is prevented, said edges being spaced sufficiently far apart to cause the asphalt displaced thereby to flow upwardly to form ridges adjacent to the grooves and projecting above the surface of the sheet.

2,199,661

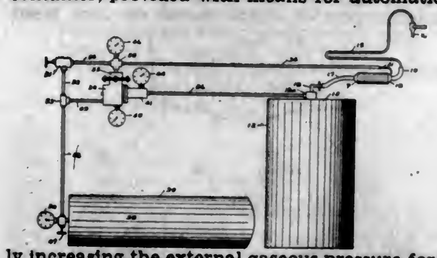
DEVICE FOR AUTOMATICALLY MAINTAINING THE CARBONATING AGENT IN CARBONATED BEVERAGES

Edward F. Gamble, Palo Alto, and Frank N. Towle, Los Altos, Calif.

Application March 11, 1939, Serial No. 261,398
5 Claims. (Cl. 225—17)

1. A device of the character described, for use

in combination with a container for holding draught carbonated beverages and an element for forcing external gaseous pressure into the container, provided with means for automatical-



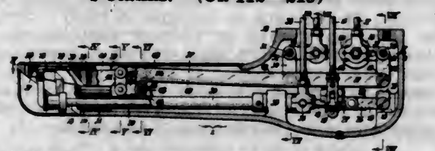
ly increasing the external gaseous pressure forced into the container when the beverage in the container increases in temperature and beverage is drawn from the container.

2,199,662
STEADY REST FOR CAMERAS
Valentine F. Greaves, Oakland, Calif.
Application May 11, 1938, Serial No. 207,260
5 Claims. (Cl. 95—86)



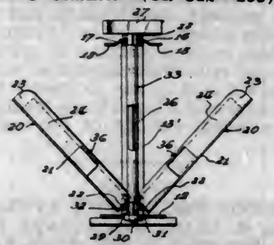
1. A camera steady rest for disposing a camera in front of the face of a user comprising a clamp to grip a camera, a pair of diverging arms secured thereto, and buttons on the ends of said arms engageable with the forehead of the user and forming, with the camera, a three-point support engaging different portions of the user's face.

2,199,663
FEEDING MECHANISM FOR SEWING MACHINES
Hans Hacklander, Linden, N. J., and George Sauer, Berwyn, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application June 22, 1937, Serial No. 149,593
8 Claims. (Cl. 112—215)



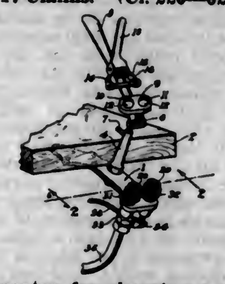
1. Feeding mechanism for sewing machines comprising a feed dog and a horizontal carrier therefor; means for imparting back and forth or feeding movements to the carrier; and means for imparting rising and falling movements to the carrier, including a horizontal link member extending rearward of the carrier in respect to the direction of feeding, and an actuator which induces the rising movements of the feed dog carrier by endwise pull upon said link member.

2,199,664
CONTAINER
James H. Horsley, Chicago, Ill.
Application August 29, 1938, Serial No. 227,346
13 Claims. (Cl. 312—155)



1. In a device of the character described, a support, a container mounted on said support and adapted for swinging movement towards and away from said support, said container being in closed position when swung towards the support and in open position when swung away from said support, and means including a rotatable cam arranged for cooperation with a side of said container for moving said container from either of the positions that it may be in to its other position.

2,199,665
APPARATUS FOR CHARGING SIPHON BOTTLES
Oscar A. Knable, Lakewood, and Clarence N. Mertes, Berea, Ohio, assignors to General Dry Batteries, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 18, 1939, Serial No. 257,236
17 Claims. (Cl. 226—62)

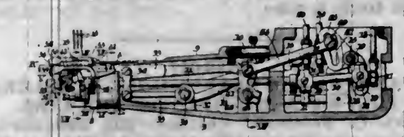


1. An apparatus for charging a siphon bottle comprising a head for receiving and positioning the discharge spout of a siphon bottle in either of two positions, means for delivering carbonated water to said bottle through the discharge spout thereof in one position and means for delivering gas to said bottle through the discharge spout thereof in the other position, and a single lever for holding said bottle in either position.

2,199,666
FEEDING MECHANISM FOR SEWING MACHINES
Frank A. Kucera, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application February 19, 1937, Serial No. 126,585
19 Claims. (Cl. 112—215)

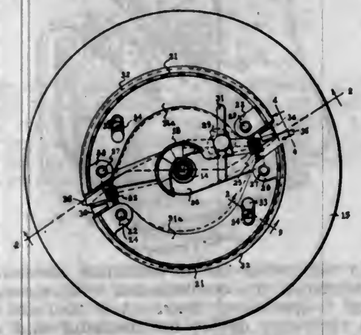
1. Feeding mechanism for sewing machines comprising a feed bar; means for imparting to and fro and up and down movements to the bar; a feed dog with its forward end secured with capacity for vertical adjustment to the forward

end of the feed bar and extending rearwardly over the top of said bar; and means vertically



adjustable on the feed bar whereon the rear end of the feed dog rests.

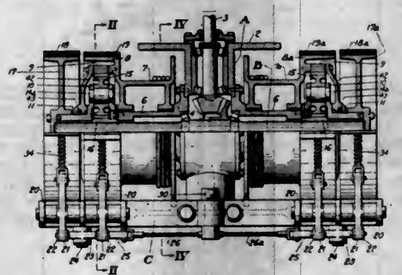
2,199,667
WORK CARRIER FOR BALANCING MACHINES
Joseph P. Lannen, Detroit, Mich.
Application February 9, 1938, Serial No. 189,606
14 Claims. (Cl. 73—53)



1. In a work carrier for a balancing machine, a pivoted supporting member, a pair of work clamping shoes, pins upstanding from the supporting member and pivoting the shoes for actuation to and from each other, said shoes having slots, elongated in the direction of pivotal travel of the shoes, anchorage pins carried by the supporting member and upstanding through said slots and headed above the shoes to retain the shoes in normal engagement with their pivot pins, said slots having enlarged end portions registrable with the heads of the anchorage pins upon an abnormal outward travel of the shoes, to afford a removal of the shoes from their pivot pins, and a common means for actuating the shoes outwardly.

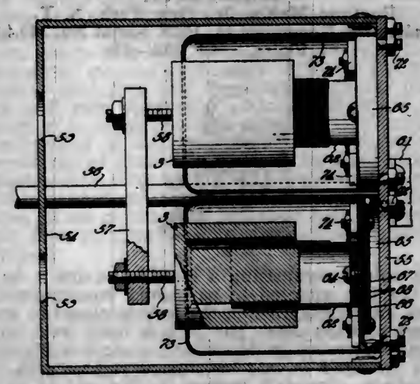
2,199,668
HOIST
Frank P. Lawler, San Francisco, Calif., assignor to Charles H. Grant, San Francisco, Paul J. Tyler, Oroville, Calif., and himself
Application August 4, 1937, Serial No. 157,317
7 Claims. (Cl. 254—184)

4. In a hoist of the character described, a pair of cable drums, a brake drum secured to each cable drum, a brake band for each brake drum, a planetary gear transmission for each cable drum, a brake drum secured to each planetary gear transmission, a brake band for each of said last named drums, a common spring normally applying the brake bands to the brake drums which cooperate with the cable drums to prevent rotation of said cable drums, said spring simultaneously maintaining the brake bands on the drums which cooperate with the planetary gear transmissions in released position, a pivoted control lever adapted to be swung from a neutral inoperative position to one side or another, a pair of levers, one lever being connected with the respective brake bands whereby one cable drum and planetary gear transmission is actuated, and the other lever being connected to the respective brake bands whereby the other cable drum and planetary gear transmission is actuated, and said levers being connected with said common spring and being normally held in a position where both the brake bands holding the cable drums against rotation are applied, and



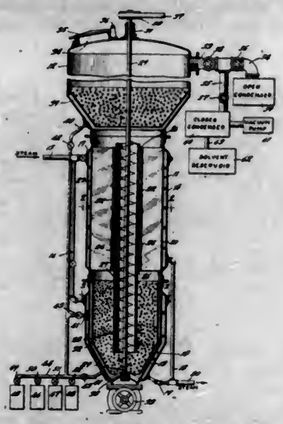
the brake bands actuating the planetary gear transmissions are released, and a flexible connection between the control lever and the pair of levers, whereby when the control lever is swung to one side or the other the brake band securing the cable drum on that side is released, and the cooperating planetary gear transmission brake is applied, and when the control lever is returned to neutral, the normal position of the brake bands is restored by the common spring.

2,199,669
TUNED TRANSMISSION CIRCUITS
William D. Loughlin, Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 22, 1931, Serial No. 582,632
7 Claims. (Cl. 250—40)



7. In a transmission system, a plurality of tuned circuits each comprising a fixed capacity and an inductance coil, armatures displaceable with respect to said coils to tune the several circuits over a frequency band, means connecting said armatures for simultaneous adjustment, means for adjusting said circuits to syntonism at one point in the tuning range, and independent means for adjusting the rate of change of inductance for each coil.

2,199,670
APPARATUS FOR RENDERING AND EXTRACTION
Thomas K. Lowry, Chicago, Ill., assignor to Darling & Company, Chicago, Ill., a corporation of Illinois
Application September 17, 1936, Serial No. 101,344
14 Claims. (Cl. 210—150.5)



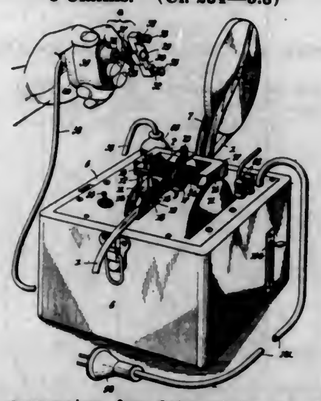
1. In an apparatus of the class described, the combination with a hollow chamber, a substantially central passage therein, a plurality of passages surrounding said central passage in a peripherally extending row, means for heating said passages externally, and means in the central passage for positively forcing and circulating material through the said central passage in one direction by mechanical forcing means and forcing it through the other passages to a position where the same is again picked up and again circulated through said central passage.

2,199,671
ALARM LOCK
Gaetano Maida, Jr., New York, N. Y.
Application November 15, 1938, Serial No. 240,448
1 Claim. (Cl. 200—55)



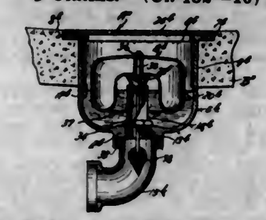
In a lock comprising a housing having a bolt or the like adapted to be moved longitudinally from one position when the lock is closed to another position when the lock is open, said bolt having a groove in its surface, a strip of insulation mounted in said housing at right angles to said bolt, a contact button on the end of said strip opposite said bolt, a spring finger having one end secured to the opposite end of said strip and normally extending angularly with respect to said strip to provide a space between the other end of said strip and said button, the extremity of said finger registering loosely in said groove and being adapted to be swung alternately into and out of contact with said button with the said movement of said bolt, said button and said strip being adapted to form the two poles of an alarm circuit, the said extremity of said finger registering in said groove being concavely rounded to form a yoke.

2,199,672
APPARATUS FOR DETERMINING ACCELERATION OF A MACHINE OR THE LIKE
Albert C. Peterson, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application July 6, 1936, Serial No. 88,984
3 Claims. (Cl. 234—5.8)



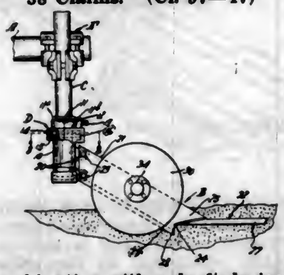
3. In apparatus for determining acceleration of a machine, the combination with means for moving a travelling chart at a uniform rate, and a recording device for marking said chart movable in different directions relative to the chart, transversely of its movement; of electromagnetic means for moving said recording device in both directions as aforesaid, means including a commutator for energizing said electromagnetic means for operation both ways at each cycle of operation of the commutator, and means for driving said commutator from the machine under test at reduced speed so that each single transverse mark on the chart by said device corresponds to a complete cycle of operation of said machine, and the distance between successive transverse marks represents the time of a complete cycle.

2,199,673
DRAIN
Adolph Ronning, Minneapolis, Minn.
Application April 25, 1938, Serial No. 204,062
3 Claims. (Cl. 182—16)



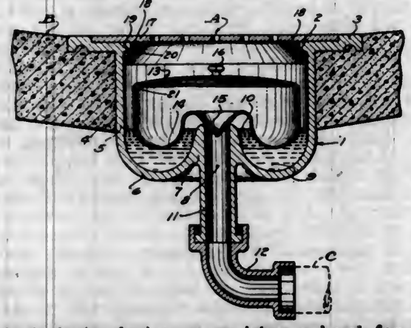
1. In a drain, a bowl having a drain water inlet and a tubular water outlet disposed vertically in its bottom, a float disposed in the bowl and adapted to rise and fall therein over the outlet member responsive to the water level in the bowl, and valve devices carried by the float and adapted to seal the upper end of the outlet member in a lower position of the float and to seal the lower end of the member in an upper position of the float.

2,199,674
CULTIVATOR
Adolph Ronning, Minneapolis, Minn.
Application August 26, 1938, Serial No. 226,941
38 Claims. (Cl. 97—47)



1. In combination with a draft device, an earth working tool assembly comprising a forwardly inclined blade member pivotally attached to the draft device and trailing therefrom to enter and move through the earth, and a tool secured to the blade member for working the earth.

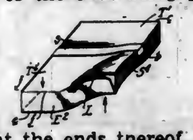
2,199,675
DRAIN
Adolph Ronning, Minneapolis, Minn.
Original application April 25, 1938, Serial No. 204,062. Divided and this application December 6, 1939, Serial No. 307,789
4 Claims. (Cl. 182—14)



1. A drain device, comprising a bowl for receiving fluid and having an outlet means spaced upwardly and centrally from its bottom and side walls forming a fluid retaining chamber, a float disposed in the bowl and arranged to float at its margins in fluid retained in said chamber, the said float having a central depression in its underside to engage and close the said outlet means, and sealing means at the upper end of the bowl adapted to be engaged by the float in a raised position thereof to prevent upward flow of fluid from the bowl.

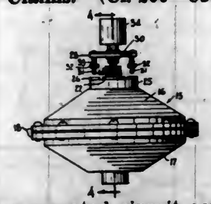
2,199,676
PAPER PACKAGE
Thomas J. Salsman, Chicago, Ill., assignor to Rockwell-Barnes Company, Chicago, Ill., a corporation of Illinois
Application April 29, 1938, Serial No. 204,952
2 Claims. (Cl. 206—57)

1. As a new article of manufacture, a box blank for a stack of loose leaves comprising a paper sheet having sufficient flexibility to permit distortion thereof and being scored to induce folding along intersecting lines to provide for the leaf stack a complete box-like enclosure having interconnected, top, bottom, side and end walls, one of the score lines intermediate the side walls and adjacent one of the ends being perforated and



having slits at the ends thereof, the side walls adjacent said slits having oblique fold lines whereby said sheet may be folded inwardly to form accordion pleats, a swingable end wall being formed when said sheet is distorted and severed on said perforated line, said swingable end wall being connected to said side walls by said accordion pleats.

2,199,677
LIQUID LEVEL ALARM
Arthur F. Sandberg, Jamaica, N. Y.
Application May 1, 1939, Serial No. 271,125
5 Claims. (Cl. 200—83)

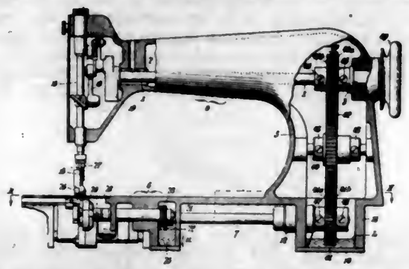


1. A pressure operated circuit controller comprising a pair of opposed complementary shells joined together horizontally at their peripheries to form an upper and a lower shell, a membrane having its peripheral edge clamped between said peripheries, each of said shells having an opening therethrough, a stem anchored in said membrane and extending slidably through the opening in said upper shell, a yoke secured to said stem and having pins depending therefrom, contact strips on said upper shell adjacent the free ends of said pins, said membrane normally urging said pins downward against said strips, an increase in air pressure in said lower shell causing bulging of said membrane and consequent movement of said stem upward, said movement causing said stem to lift said pins clear of said strips, said strips forming the stationary contact poles of an electric circuit closer and said yoke and pins forming the movable contact element thereof.

2,199,678
TRANSMISSION MECHANISM
George Sauer, Berwyn, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application June 4, 1938, Serial No. 211,712
10 Claims. (Cl. 74—409)

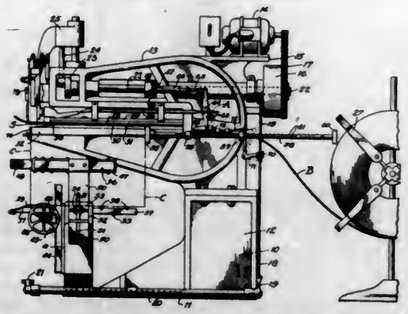
1. Transmission mechanism useful to operatively connect two shafts which are subject to varying or periodic loads, including a toothed gear, and pinions respectively on said shafts in mesh with the gear, each composed of a pair of similar toothed sections of different widths which are relatively shiftable circumferentially so that the pinions can be independently adjusted for wear take-up and for back-lash compensation in

respect to the gear, the components of the pinions being reversely arranged respectively with their



faces meeting in different planes for distribution of wear on the gear.

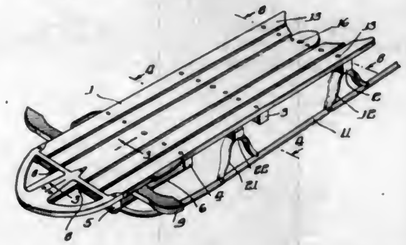
2,199,679
STAPLING MACHINE
Albert H. Schmidtke, St. Joseph, Mich., assignor, by mesne assignments, to The Greif Bros. Cooperage Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 26, 1939, Serial No. 281,059
20 Claims. (Cl. 1—13.6)



1. In a stapling machine of the character described, the combination of means for applying staples through a binding strip and through the opposed edges of a barrel body, an anvil standing in opposed relation to the stapling mechanism and adapted to support the contiguous edges of the barrel body from within, means for guiding the binding strip to overlap the opposed edges of the barrel body at the stapling point, and means for advancing the barrel body in timed relation to the stapling operation.

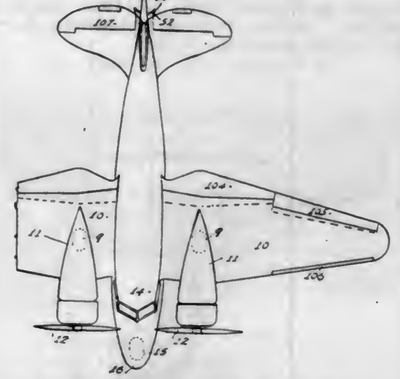
2,199,680
SLED
Glenn L. Sherwood, Benton Harbor, Mich., assignor to Kaywood Corporation, Benton Harbor, Mich., a corporation of Michigan
Application April 22, 1937, Serial No. 138,323
17 Claims. (Cl. 280—22)

1. A sled body provided with laterally flexible runners, pivotal connection between the body and the rear portions of said runners, the front ends of the runners being secured and their middle portions being free to bow laterally, so that skewing the rear ends of the runners in one direction serves to bow and shift the middle portions laterally in the opposite direction, whereby the rear end steering is done with the flexible rear ends of the runners, and forward steering gear connected by rearwardly extending connecting means to said pivotal connection, and through the latter to the rear end portions of the runners, thereby for controlling the flexing of the runners, said pivotal connection comprising brackets rigid with the runners and pivoted on the under side of the



rear portion of said body to each oscillate about a vertical axis, said brackets having arms extending toward each other, and a link having its ends pivotally connected to the ends of said arms and having its middle pivoted on the under side of said body.

2,199,681
AIRPLANE
Otto W. Timm, Glendale, Calif.
Application April 15, 1939, Serial No. 268,152
18 Claims. (Cl. 244—50)

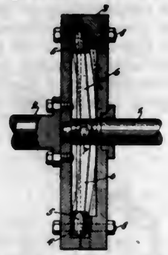


1. In an airplane, a body, a single central dirigible landing wheel forwardly of the center of gravity thereof, a pair of spaced directionally stable landing wheels to the rear of the center of gravity of said body, means acting to hold the dirigible wheel hydraulically locked in directionally stable position when landing, and steering means operable upon contact of the landing wheel with a landing surface to release said first named means and to change the direction of said wheel.

2,199,682
SPEED REDUCING MECHANISM
Frank Travnicek, East St. Louis, Ill.
Application August 17, 1938, Serial No. 225,276
1 Claim. (Cl. 74—63)

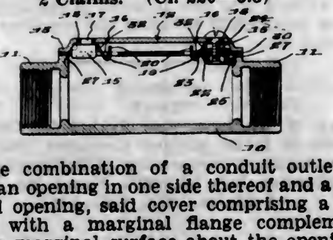
A speed reducing mechanism including a power shaft, a driven shaft in alinement with the power shaft, a race secured to the driven shaft about the axis of the shafts providing an endless path departing from a circle having said axis as a

center by a variation axially, and an impeller hinged to the power shaft and driven thereby



and having its outer end or periphery following said race.

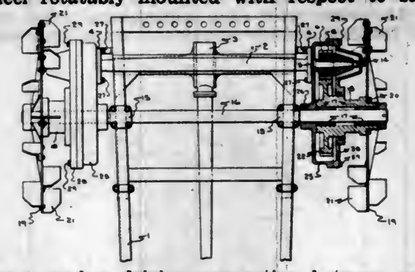
2,199,683
COVER FOR CONDUIT OUTLET BOXES
Walter O. White, Salina, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application March 31, 1939, Serial No. 265,312
2 Claims. (Cl. 220—3.8)



1. The combination of a conduit outlet box having an opening in one side thereof and a cover for said opening, said cover comprising a plate formed with a marginal flange complemental with the marginal surface about the opening in the box, a channel member secured to the under side of the cover adjacent each end thereof, each of said channel members having side walls and an inner rear wall depending below the plane of said marginal flange, said side walls extending lengthwise of the cover, and said rear wall being inclined from the bottom of the channel member toward the center of the cover and being folded to form a portion extending toward the under side of the cover, said folded portion extending transversely across the under side of the cover and engaging at its ends the sides of the marginal flange of the cover, the ends of said folded portion engaging the side walls of the opening in the box to center the cover transversely on the box, and the outer ends of the side walls of the channel members engaging the end walls of the box to center the cover longitudinally of the box, a nut arranged in each of said channel members, a screw extending through the cover and threading into said nut, the inner end of said nut being cooperable with said rear wall to move the outer end of the nut into engagement with the wall of the box upon tightening of the screw.

2,199,684
TRACTOR ATTACHMENT FOR AUTOMOBILES
Lucius E. Wilson and Earl E. Baughn, Pinckney, Mich.
Application March 1, 1939, Serial No. 259,127
9 Claims. (Cl. 180—16)

1. In combination with a frame, a driven axle, and a housing for a portion of said axle, having a cylindrical surface concentric with said axle, a pinion journaled on said cylindrical surface and in radial alignment therewith, a driving connection between said axle and said pinion, a wheel rotatably mounted with respect to said



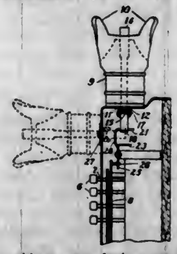
frame, and a driving connection between said wheel and said pinion.

2,199,685
TWEEZERS
Walter A. Wood, Detroit, Mich.
Application April 27, 1937, Serial No. 139,259
4 Claims. (Cl. 128—354)



4. Tweezers consisting of a compressible handle assembly having two arms, a jaw member rotatably mounted on one of said arms, and rotating means connecting said jaw assembly and the other of said arms.

2,199,686
COMBINED TELEPHONE AND COMMUNICATING KEY BOX
Sidney A. Beyland, King George, Va., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application April 21, 1938, Serial No. 203,373
4 Claims. (Cl. 179—99)

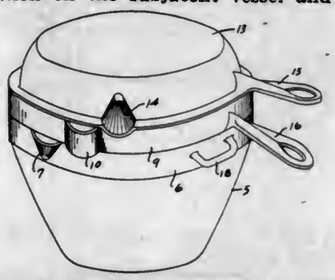


1. In combination, an intercommunicating key box having an opening in one end and an opening in the front thereof, a handset support arranged to be mounted at either of said openings, a plunger extending through said support, a pivoted lever having a long arm and a short arm, said long arm being arranged to be operated by said plunger from either of the positions in which said support is mounted, a bell crank lever mounted in a position to be operated by said short arm, and a hook switch mounted within said box and controlled by said bell crank lever.

2,199,687
COMBINATION COOKING VESSEL
Edward W. Blankenship, Chattanooga, Tenn.
Application November 16, 1939, Serial No. 304,658
5 Claims. (Cl. 53—1)

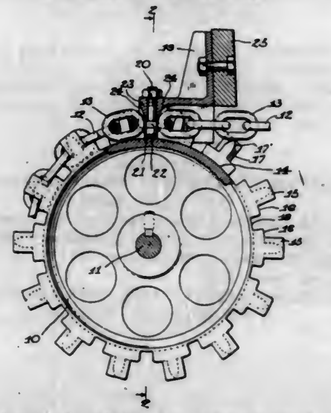
1. The combination cooking utensil comprising

superimposed vessels adapted to be seated one on the other with each superjacent vessel free for rotation on the subjacent vessel and each



vessel formed with one or more lip members adapted to be moved into and out of register with the corresponding lip members of a subjacent vessel to close or vent such subjacent vessel.

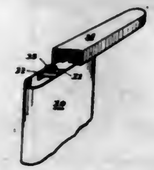
2,199,688
SPROCKET WHEEL
William C. Boldt, Waukesha County, Wis.
Application April 4, 1938, Serial No. 199,844
4 Claims. (Cl. 74—243)



1. A sprocket wheel for logging-type chain with rounded-end links arranged alternately flatwise and edgewise, having a peripheral groove adapted to receive the edgewise links therein and having pairs of peripheral teeth arranged in two axially spaced rows, the teeth in each pair being opposed and arranged on opposite sides of said groove, said teeth being adapted to laterally confine the edgewise links and to engage the rounded ends of the flatwise links, the space between each two adjacent pairs of teeth forming a link-receiving pocket open at both sides and adapted to longitudinally confine a flatwise link, and said wheel having a transverse groove formed between adjacent pairs of said teeth and extending to the opposite outer side walls of the wheel and to the bottom of said peripheral groove.

2,199,689
CHAIR END STANDARD
John Vanden Boogaard and Ralph K. Merrill, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application August 14, 1937, Serial No. 159,081
5 Claims. (Cl. 155—198)

5. In an end standard and arm rest therefor, said end standard comprising a hollow column, a clip having depending flanges secured to the opposite inner walls respectively of the hollow column adjacent the upper end thereof and having a head projecting upwardly of its upper end and provided with laterally disposed springable portions, said arm rest having a bore and a cross-sectionally T-shaped recess offset therefrom the



shoulders of which extend upwardly away from said bore, said head being adapted for insertion within said bore and to be moved into said offset recess and into frictionally gripping contact with the shoulders thereof upon a sliding movement of said arm rest relative to the end standard for tensionally securing the arm rest to said standard.

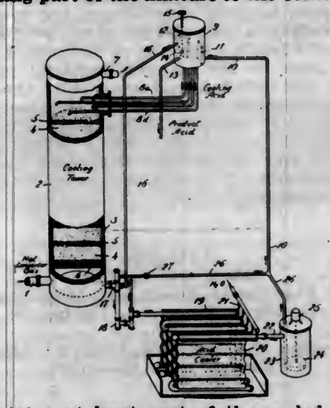
2,199,690
MASK
Edward W. Bullard, San Francisco, Calif., assignor to E. D. Bullard Company, San Francisco, Calif., a corporation of California
Application July 20, 1936, Serial No. 91,560
1 Claim. (Cl. 128—141)



A mask comprising a face piece, a fastening tab on the face piece, said face piece having a flexible marginal flap underlying the tab, a yoke-shaped clip having a pair of arms, a harness for the face piece and having an element hooked in the bight of said clip, and a rivet penetrating the tab and one only of the clip arms, the other arm of the clip being free to allow hooking of said harness element in the bight of the clip, said free arm being interposed between said tab and marginal flap to prevent disengagement of the harness element when the face piece is lying against the face of the wearer.

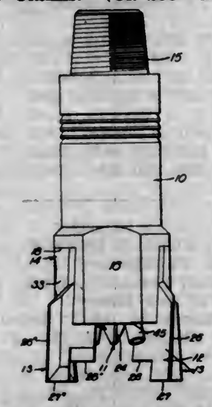
2,199,691
SULPHURIC ACID RECOVERY
Bernard M. Carter, Montclair, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application September 9, 1938, Serial No. 229,057
8 Claims. (Cl. 23—169)

1. In the recovery of sulphuric acid from a hot gas by bringing the hot gas into contact with cooler sulphuric acid in a gas-liquid contact zone thereby heating the acid to a high temperature, the improvement which comprises mixing the hot acid with relatively cool acid to form a mixture at a temperature substantially below that of the hot acid, passing at least part of the mixture into a heat exchanger to cool the mixture, returning part of the mixture to the contact zone,



and mixing at least part of the cooled mixture with additional hot acid.

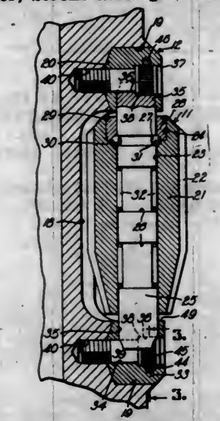
2,199,692
DEMOUNTABLE BLADE BIT
Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application August 11, 1937, Serial No. 158,515
6 Claims. (Cl. 255—61)



1. A well bit comprising a body having a recess with inwardly converging side walls, there being grooves in the body at the inner edges of said side walls, cutting blades engaged against said side walls, tongues on the blades cooperating with said grooves, and a removable block in the recess having inwardly converging sides bearing on the blades to retain the blades in position, the grooves having open sides facing outwardly whereby the blades may be moved laterally to disengage their tongues from the grooves when the block is removed.

2,199,693
WELL REAMER
Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application November 18, 1938, Serial No. 241,205
9 Claims. (Cl. 255—73)

1. A well reamer comprising a body having spaced sockets, a reaming cutter, a pin carrying the cutter and projecting from the opposite ends of the cutter, blocks arranged on the projecting



end portions of the pin and received in the sockets, screws screwed into the body to secure the blocks to the body, and heads on the screws engaging the pin to hold the pin against turning.

2,199,694
BUILDING CONSTRUCTION
Harold Coleman, Chicago, Ill.
Application January 26, 1939, Serial No. 253,004
5 Claims. (Cl. 72—104)

1. A connector comprising in combination a metal plate having two edge bearings in spaced relation to each other with at least one of said bearings in the form of an angular notch, and a metal U-bolt having its legs in correspondingly spaced relation for enabling the legs to pass into straddling position on the portion of the plate between said bearings and to pass thence with a snug fit into openings in a block of masonry or the like, the cross-bar portion of said U-bolt being adapted when deformed by an intermediate bowing for changing its effective length to hold its changed form with the legs of the bolt pressed strongly into engagement with said bearings on the plate and strongly into engagement with wall portions of the openings in said block.

2,199,695
ANHYDROUS LUBRICANT
Marcellus T. Flaxman, Wilmington, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application August 20, 1938, Serial No. 225,937
6 Claims. (Cl. 87—9)

1. A lubricant comprising at least about 50% of petroleum lubricating fractions at least as heavy as light lubricating oils, a quantity of unsaponified saponifiable fatty acids approximating about one-tenth of the composition, between

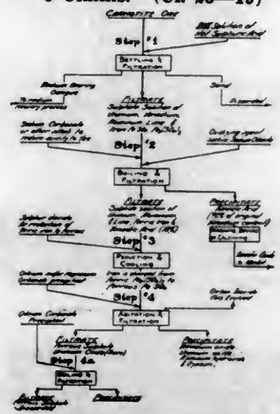
about 10% and 25% of a soap to produce a non-emulsifying grease, and a small proportion in the order of a few percent of a normally solid fatty material in the form of wool fat to insure retention of the soap.

2,199,696

PROCESS FOR THE RECOVERY OF URANIUM AND VANADIUM FROM CARNOTITE ORES

Herman Fleck, Santa Monica, Calif.; Herman S. Fleck administrator of said Herman Fleck, deceased

Application December 17, 1937, Serial No. 180,403
6 Claims. (Cl. 23—19)



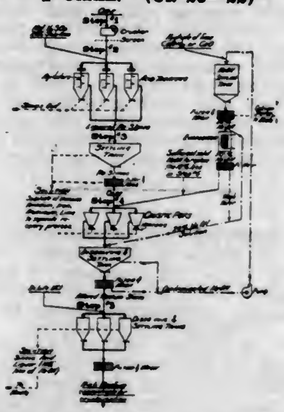
2. A process for the recovery of uranium from a mixture containing uranium, vanadium, and aluminum compounds comprising: transforming the alumina into a sulphite solution with the uranium; warming the solution to from 74° C. to 76° C. to form an insoluble basic aluminum sulphite crystalline precipitate; thence refining the filtrate for the recovery of the uranium.

2,199,697

METHOD OF CONCENTRATING RADIUM BEARING ORES

Herman Fleck, Santa Monica, Calif.; Herman S. Fleck, administrator of said Herman Fleck, deceased

Application January 3, 1938, Serial No. 183,115
1 Claim. (Cl. 23—22)



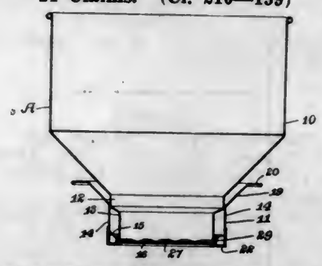
A method of separating siliceous matter from radium-barium sulfate slimes, comprising: heating said slimes in a concentrated aqueous caustic soda solution consisting of not over 80% caustic soda to a temperature of not over 200° C. which will effect the solution of at least a portion of the silica in the siliceous material present, diluting said solution and separating the same from the residue, treating said residue while maintaining it cold with dilute acid to dissolve impurities in the residue while retaining the radium in said residues and separating said acid from the residue so rapidly that no siliceous precipitate separates.

2,199,698

MILK STRAINER

Alvin W. Franzmeier, Rosemount, Minn., assignor of one-fourth to Howard L. Fischer, St. Paul, Minn.

Application March 3, 1937, Serial No. 128,774
11 Claims. (Cl. 210—159)



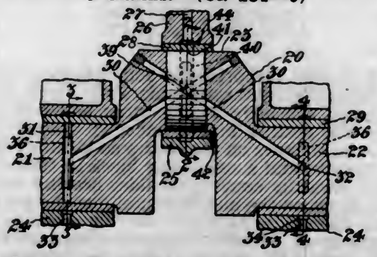
1. A strainer comprising a milk receiving receptacle and a receiving cup for said receptacle, said receptacle including a bottom having openings therethrough, a strainer pad adapted to extend beneath said bottom, means for clamping said strainer pad in position, and means on said receiving cup to clamp said strainer pad between said receiving cup and said receptacle.

2,199,699

OILING DEVICE

Fritjof Frelin, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application March 11, 1937, Serial No. 130,233
3 Claims. (Cl. 184—6)



1. In an oiling device, the combination of a rotary member having a crank pin and bearings for the rotary member on opposite sides of the crank pin having oil supply passages, and a passage in the rotary member and the crank pin having an outlet intermediate its ends opening into the surface of the crank pin and having inlets on opposite sides of the outlet to alternately communicate with the supply passages accordingly as the rotary member rotates in the bearings.

2,199,700

RUBBER COATED PLYWOOD FOR ROAD MATERIAL

Clarence U. Gramelspacher, Jasper, Ind.

Application August 16, 1938, Serial No. 225,131
5 Claims. (Cl. 94—15)



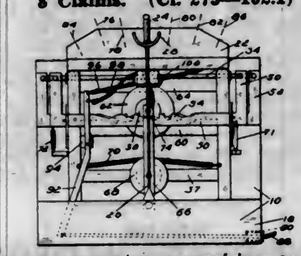
1. A new article of manufacture adapted to be used as a road surfacing comprising a plywood block made up of a plurality of superimposed relatively thin layers of wood veneer adhesively laminated to one another with the layers horizontally disposed parallel to the road surface, and an integral vulcanized rubber covering completely enclosing said plywood block on all surfaces thereof.

2,199,701

TARGET APPARATUS

Asa D. Hamilton, Niles, Mich.

Application October 28, 1937, Serial No. 171,421
8 Claims. (Cl. 273—102.1)



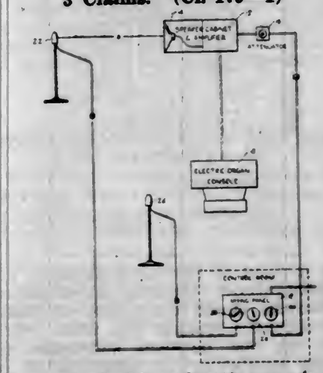
1. Target apparatus comprising an indicator having positions on opposite sides of a neutral center, impact-actuated devices for shifting the indicator progressively along said positions, said devices acting to shift the indicator in opposite directions, means for holding the indicator in either extreme position whenever it reaches that position, and means operable from a remote point for returning the indicator to said neutral center.

2,199,702

METHOD OF BROADCASTING

Laurens Hammond, Chicago, Ill.

Application January 29, 1938, Serial No. 187,588
3 Claims. (Cl. 179—1)



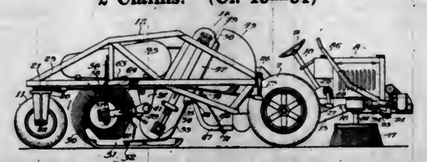
1. The method of broadcasting music produced by an electrical musical instrument in which the music is originated which comprises, producing a sound by means of a loud speaker receiving its signal electrically from the electrical musical instrument, and broadcasting a signal composed in part of the signal produced by a microphone receiving said sound and in part of an electrical signal derived directly from the electrical musical instrument.

2,199,703

STREET SWEEPER

Frank G. Hough, Chicago, Ill.

Application October 5, 1938, Serial No. 233,353
2 Claims. (Cl. 15—84)



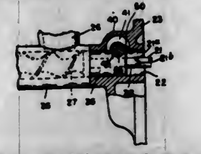
1. In a street sweeper of the pick-up type, the combination of a tractor including a motor, a driving axle, a housing for said axle rigidly secured to said motor, and a drive wheel on each end of said axle, said motor being arranged forwardly of and overhanging said axle housing, a sweeper frame rigidly secured to said axle housing and extending rearwardly thereof, a main broom mounted on said frame, an elevator mounted on said frame with its lower end in cooperative relation with said main broom to receive dirt swept up by said broom and elevate the dirt to the top of the sweeper, means operatively connecting the broom and elevator to the rear power take-off of the tractor motor, a bin mounted on said frame and arranged in cooperative relation with the top end of said elevator to receive dirt therefrom, and a third wheel pivotally secured to said frame at the rear thereof, the weight of the tractor motor being more than counterbalanced over said tractor axle by the weight of the parts arranged rearwardly of the axle.

2,199,704

MEAT GRINDER

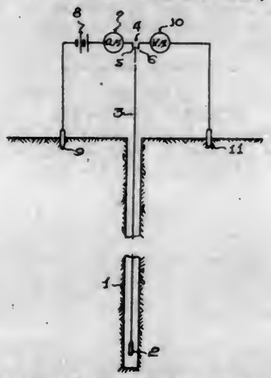
Louis Jaenichen, Springfield Township, Oakland County, Mich., assignor to The Standard Computing Scale Company, Detroit, Mich., a corporation of Michigan

Application December 17, 1937, Serial No. 180,371
6 Claims. (Cl. 287—119)



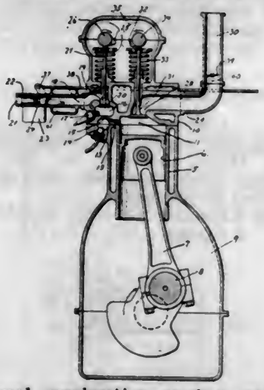
1. A coupling comprising a sleeve, a male member fitting therein, and means for fixing the two parts together comprising a rotatable member in said sleeve provided with a cylindrical eccentric portion rotatable into and out of the path of the male member moving into or out of said sleeve, said male member being provided with a transverse notch closely fitting said eccentric portion when the latter is moved into said path and the parts are in coupled position, said eccentric portion and notch being so located on their respective members that in locking position the point of maximum eccentricity of said portion is at approximately the deepest part of said notch.

2,199,705
APPARATUS FOR MAKING ELECTRICAL SURVEYS OF BOREHOLES
John C. Karcher, Dallas, Tex.
Application June 25, 1938, Serial No. 215,905
5 Claims. (Cl. 175—182)



1. Apparatus for exploring earth formations within a borehole, means comprising an electrode, means for raising and lowering said electrode in said borehole, means for passing electrical current between said electrode and a fixed point in the earth, means for measuring said electrical current, and means for switching said electrode from the current source to a second fixed point in the earth through a potential measuring device.

2,199,706
INTERNAL COMBUSTION ENGINE
Marion Mallory, Detroit, Mich.
Application November 18, 1937, Serial No. 175,318
1 Claim. (Cl. 123—33)



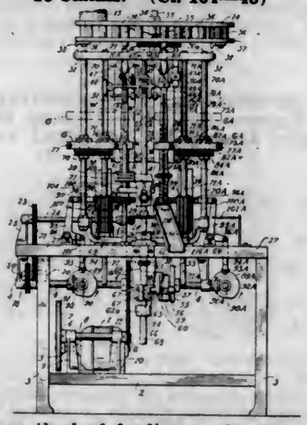
An internal combustion engine comprising a cylinder, a piston reciprocable therein, a main combustion chamber, an injection pocket having a restricted communication with the main combustion chamber, means for injecting fuel into the injection pocket, a primary combustion pocket having a restricted communication with the injection pocket, electrical ignition means for said primary combustion pocket, a valve controlled port at the top of said primary combustion pocket, means including a carbureter for delivering a carburetted combustible mixture of air and fuel through said intake port into the primary combustion pocket, and a valve controlled air inlet for the main combustion chamber, the said valve controlled port for the primary combustion pocket being open on the suction stroke of the piston whereby the exhaust gases in the primary combustion pocket and injection pocket are drawn out of the said pockets on the intake stroke and a fresh charge of fuel and air drawn into the primary combustion chamber.

2,199,707
MACHINE FOR POLISHING METAL POWDERS
Henry Hayman Mandle, Closter, N. J., assignor, by mesne assignments, to United States Metal Powders, Inc., Baltimore, Md.
Application February 25, 1937, Serial No. 127,798
13 Claims. (Cl. 51—2)



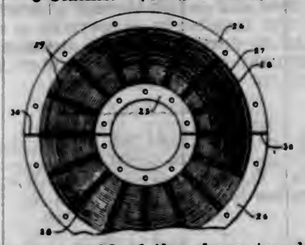
1. A machine for polishing metal powders, comprising a closed cylindrical drum, a plurality of sets of brushes mounted within the drum for co-operation with the curved surface thereof, means for causing relative rotation of said brushes and drum, control means for moving said sets of brushes towards and away from the curved surface and separate adjusting means external to the drum for operating the control means for each set of brushes, whereby the adjustment of the individual sets of brushes is effected from outside the drum without opening the drum.

2,199,708
METHOD OF AND APPARATUS FOR FEEDING WEB MATERIAL
Daniel E. Maxfield, Philadelphia, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 4, 1938, Serial No. 205,937
16 Claims. (Cl. 164—48)



1. The method of feeding a plurality of webs having substantially regularly spaced control elements thereon which comprises intermittently and concurrently feeding the webs, while the webs are at rest between successive feeding movements inspecting the positions of control elements thereon, and varying the extents of feed of the individual webs for successive feeding movements thereof each in accordance with the position of the previously observed control element thereof.

2,199,709
STRAINING EQUIPMENT
Daniel Raymond McNeal, Abington, Pa., assignor to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 19, 1938, Serial No. 196,871
5 Claims. (Cl. 210—152)



1. A strainer grid of the character described, the grid being annular and comprising a multiplicity of strips curved substantially around the center of the grid with their edges lying substantially in the planes of the side faces of the grid and providing the strainer perforations therebetween, the strainer perforations in a plurality of generally radially extended zones being infilled with a material uniting said strips and dividing the total straining area of the grid into a plurality of segments, the grid being split through said zones to provide a plurality of partiannular relatively separable sections.

2,199,710
COMPOSITION OF MATTER AND METHOD OF MAKING SAME
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application November 26, 1937, Serial No. 176,645
12 Claims. (Cl. 134—58)

1. A method of preparing substantially dry, substantially unagglomerated, finely divided calcium carbonate having an average particle size not in excess of one micron from an aqueous slurry containing said carbonate, which comprises mixing a substantial quantity not in excess of about 2% by weight of finely divided sulphur therewith, calculated upon the weight of calcium carbonate, the average particle size of said sulphur being not in excess of that of the calcium carbonate, and drying the mixture.

2,199,711
COMPOSITION OF MATTER AND METHOD OF MAKING SAME
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application November 26, 1937, Serial No. 176,646
17 Claims. (Cl. 134—58)

1. A method of preparing a substantially dry, substantially unagglomerated, finely divided pigment having an average particle size not substantially in excess of one micron from an aqueous slurry containing said pigment, which comprises mixing a substantial quantity not in excess of about two percent of finely divided sulphur therewith calculated upon the weight of the pigment the average particle size of said sulphur being not in excess of that of said pigment and drying the mixture.

2,199,712
METHOD OF CLEANING AND PREPARING METAL FOR PAINT
Howard R. Nelson, Detroit, Mich.
No Drawing. Application June 8, 1938, Serial No. 212,542
2 Claims. (Cl. 148—8)

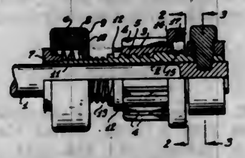
1. A metal cleaning composition including principally water and a metal etching acid and comparatively small quantities of a sodium secondary alcohol sulphate and acetone.

2,199,713
FOOTWEAR
Andre Perugia, Paris, France
Application December 22, 1937, Serial No. 181,067
2 Claims. (Cl. 36—8.3)



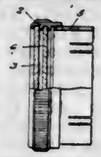
1. A dancing shoe comprising an upper, a bottom extending for substantially the full length of the wearer's foot from toe to heel, said bottom being devoid of a heel and comprising an outersole having an outer forward tread portion, an upwardly and rearwardly inclined shank, and a rear portion raised above said forward tread portion when the latter is in horizontal position, said rear portion of the outersole overlapping the marginal edge portion of the upper at the bottom of the shoe substantially completely therearound and being secured thereto, thereby to impart a finished appearance to the shoe bottom.

2,199,714
STARTER DRIVE
William O. Rose, Wyandotte, Mich.
Application July 24, 1939, Serial No. 286,142
6 Claims. (Cl. 74—7)



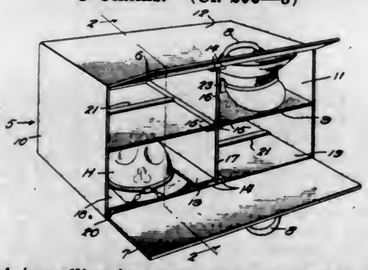
1. In a starter drive of the class described, a starter drive shaft, an externally threaded sleeve secured thereon, a starter gear threaded on said sleeve, a cup on the forward end of said sleeve and having an opening facing said gear, a flange extending from said cup into said opening, a loose disk in said opening and behind said flange, resilient material in said cup and behind said disk, and a spring behind said disk and holding said disk against said flange.

2,199,715
FILTER FOR THE PHOTOGRAPHY AND PROJECTION OF COLORED PICTURES
Hans Sauer, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application January 27, 1938, Serial No. 187,283
In Germany January 29, 1937
4 Claims. (Cl. 95—64)



1. The combination with a light polarizing filter which absorbs light rays of shorter wave length to a greater extent than light rays of longer wave length, of a color filter absorbing light rays of longer wave length to a greater extent than light rays of shorter wave length, the sum of the absorption factors of the two filters being substantially the same for all wave lengths, thus producing a substantial neutral gray dimming of the light passing through the same over the entire visible range of the spectrum.

2,199,716
MILITARY HAT BOX
John Baird Shinberger, Norfolk, Va.
Application July 20, 1938, Serial No. 220,379
3 Claims. (Cl. 206—8)



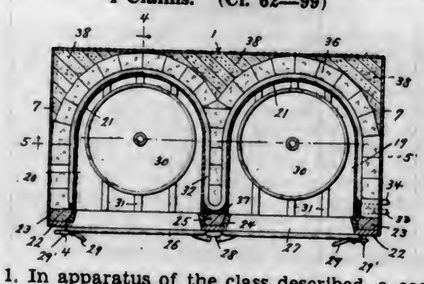
1. A travelling bag comprising a rigid box-like body, a partition rigidly connected to opposite ends of said body and dividing it into two main compartments, partitions sub-dividing said compartments into smaller compartments, a strap extending across one of said smaller compartments, and a cap holder having a flange adapted to extend under and be held frictionally by said strap, said holder being provided with notches adapted to engage the opposite outer sides of the stiff band of a military cap for holding the same frictionally in any of the smaller compartments.

2,199,717
TIEBACK
Herbert E. Thoms, North Hollywood, Calif.
Application July 5, 1938, Serial No. 217,570
2 Claims. (Cl. 156—33)



2. A device of the character described, comprising, a pair of spaced resilient front and rear members integrally connected together at one end and fashioned with free end sections, one of said sections formed with a lipped portion normally overlying the free end section of said other member and maintaining the latter in connected relation therewith, one of said members provided with projecting pins having rounded outer ends and the other of said members provided with apertured projections having curved inner walls and receiving the outer ends of said pins to clamp looped sections of a curtain within said apertures to maintain said looped sections in a fixed position between said members, said rear member fashioned with an offset portion adjacent the free end section thereof whereby to permit said rear member to be operated to and away from said lip portion to effect engagement and disengagement of said front member with and from said lip portion respectively.

2,199,718
BEER COOLER
Ray C. Ayers, Hutchinson, Kans.
Application May 15, 1939, Serial No. 273,779
4 Claims. (Cl. 62—99)

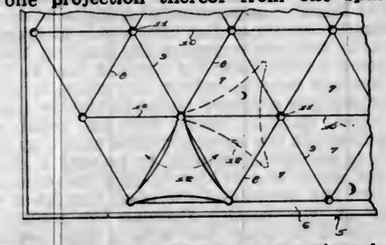


1. In apparatus of the class described, a cooling cabinet for kegs of beer comprising an elongated rectangular casing for installation lengthwise on a floor or the like, and having a pair of doorways in the rear side thereof upon opposite sides of the transverse center of the casing, a pair of metallic shells in said casing upon opposite sides of said transverse center of U-shape in cross section fitted endwise therein between the top and bottom of said casing in laterally spaced relation to each other and to the front and ends of said casing and forming together with said top and bottom a pair of compartments opening onto said doorways, respectively, each for housing a keg of beer, doors for said doorways, a cooling plant comprising a coil unit of spaced horizontally disposed stretches shaped in conformity with said shells to fit around the outer surfaces thereof and bonded thereto into intimate engagement therewith, and insulation interposed between said unit and the ends and front of said casing.

2,199,719
GAME
James T. Brothers, New Bern, N. C.
Application August 21, 1939, Serial No. 291,255
1 Claim. (Cl. 273—136)

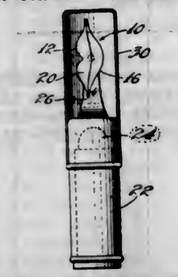
A game board having a playing surface, groups of lines arranged on said playing surface to divide said playing surface into a plurality of triangular shaped interfitting spaces, and triangular shaped game pieces movable over the playing surface from one space to another, said board having a plurality of sockets arranged in the corners of said triangular shaped spaces, and projections at the corners of the triangular shaped game pieces to fit within said sockets

whereby the game pieces may be pivoted each on one projection thereof from one space to



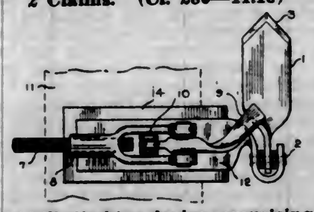
another without moving the game piece free of the board.

2,199,720
COSMETIC APPLICATOR
Louise R. Catelin, New York, N. Y.
Application June 16, 1939, Serial No. 279,476
2 Claims. (Cl. 132—1)



1. A cosmetic applicator comprising a relatively rigid and elongated plate having a longitudinal edge thereof shaped to conform to the contour of the upper lip, means for supporting said plate and providing a handle for manipulating the same, said supporting means being provided at one end thereof with a standard, means for connecting said plate to the free end of said standard and adapted to permit placement of said plate in position substantially in alignment with the respective longitudinal axes of said standard and said supporting means, and a protective covering member having one end thereof open for placement over said plate and said standard to protect the same and for fitting relation with respect to the adjacent end of said supporting means whereby said covering member and said supporting means are held in combined relation with respect to each other.

2,199,721
SKI CLIMBING DEVICE
Alexander P. Coffin, Farewell Cove, Quebec, Canada
Application June 7, 1939, Serial No. 277,922
2 Claims. (Cl. 280—11.13)

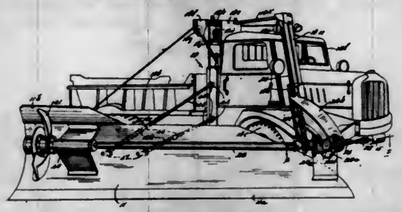


1. A ski hill climbing device comprising a clamp plate adapted to extend transversely of the ski and having a hook at one end to engage the side of the ski, a bracket plate attached to said clamp plate having one end extending beyond the side of the ski and bent to provide a U-shaped bracket having its open end pointed towards the rear of the ski, a pivot pin mounted in said bracket, a brake arm mounted on said pin adapted to swing in a vertical plane parallel to the side of the ski, said brake arm being limited in its forward movement by engagement with the back of said bracket, a clamping member for engaging the opposite side of the ski, and a throw lever pivotally connected to said bracket plate and said clamping member for moving said clamping member and said clamp plate into clamping engagement with the ski.

2,199,722
MANUFACTURE OF YEAST
George de Becze, Lawrenceburg, Ind.
Application January 25, 1939, Serial No. 252,819
In Germany January 26, 1938
4 Claims. (Cl. 195—94)

1. An improved method of carrying out an addition process of manufacturing yeast which comprises starting the propagation of the yeast under aeration in a highly diluted nutrient solution containing yeast assimilable sugar and also nutrient salts and having a volume which amounts to 80–90 per cent of the volume of solution that will be present at the end of the fermentation, and controlling the propagation by appropriate adjustment of the quantities of seed yeast employed, of the additions of sugar and nutrient salts made, and of the rate of aeration in such a manner that the quantity of yeast obtained in the fermented solution per unit of volume will be at least three times so large as it had been in the starting solution, the additions of fresh nutrient solution containing yeast assimilable sugar and also nutrient salts made to the fermenting solution corresponding in the first half of the fermentation period to the rate of natural yeast growth while lagging behind that rate in the second half.

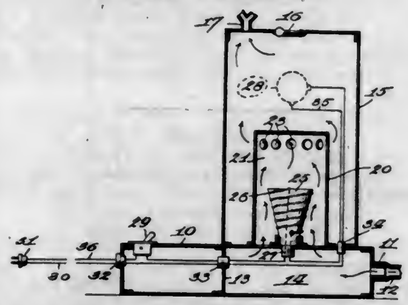
2,199,723
SNOWPLOW STRUCTURE
Mather Garland and Edward Greer, Minneapolis, Minn.; said Greer assignor to Rotary Snow Plow Company, Minneapolis, Minn., a corporation of Minnesota
Application December 27, 1938, Serial No. 247,980
12 Claims. (Cl. 37—43)



1. A snowplow for working on the side of a road having in combination with a propelling vehicle, a blade extending at one side of and supported from said vehicle so as to be propelled thereby, said blade being swingable about a vertical axis at one side of said vehicle, a shaft extending to adjacent the outer portion of said blade, a rotor mounted on said shaft for discharging snow and means for driving said shaft and rotor from a source of power supported by said vehicle, said rotor being mounted and re-

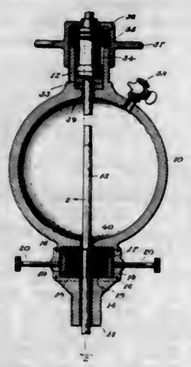
lated with said blade to forcibly discharge material substantially axially thereof and longitudinally of the blade.

2,199,724
INHALATOR
John S. Herbert, Earlimart, Calif.
Application March 13, 1939, Serial No. 261,553
2 Claims. (Cl. 128—145)



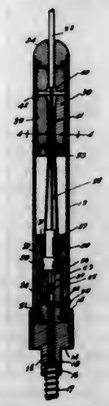
1. An inhalator of the class described, comprising a base member, said base member being hollow and closed on all sides and having a top formed of heat conductive material, at least one air inlet in said member, a closed heating chamber immediately on top of said heat conducting top, an air outlet through said top and discharging into said heating chamber, a heating element in said chamber and seated on said heating conductive top, said heating element being operative to heat both said heating chamber and the interior of said base member, a discharge opening in said heating chamber adjacent the top thereof, a closed casing carried by said top of said base member and surrounding said heating chamber, and at least one discharge opening in a top portion of said casing.

2,199,725
SELF-LUBRICATING STUFFING BOX FOR OIL WELLS
George R. Huff, Sasakwa, Okla.
Application March 16, 1939, Serial No. 262,325
2 Claims. (Cl. 286—27)



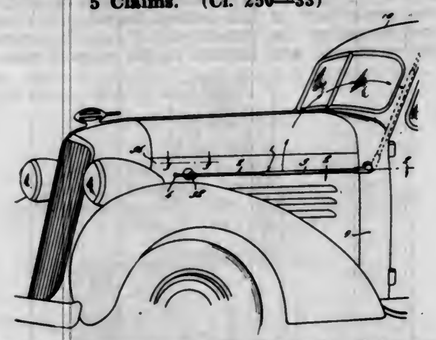
1. A self-lubricating stuffing box for wells comprising a substantially globular hollow bowl adapted to contain liquid, an exteriorly threaded nipple disposed on the bottom of the bowl adapted to slidably receive a polish rod, a box connected to the nipple and the bottom of the bowl, packing blocks in the box provided with grooves forming an opening of circular cross section to receive the polish rod, a pair of pressure plates in the box engaging the packing blocks, adjusting screws threaded through the walls of the box and bearing against the pressure plates for urging the pressure plates to tightly engage the rubber packing blocks with the polish rod, one wall of the box being provided with a by-pass which is uniformly reduced to provide a shoulder, the upper end of the by-pass communicating with the interior of the bowl, the lower end of the by-pass passing through the nipple for receiving fluid from the well, a pipe engaged through the by-pass and extending upwardly into the bowl, the pipe being provided with a uniformly enlarged portion forming a shoulder, a packing washer confined between the shoulder of said by-pass and the shoulder of the pipe for preventing leakage from the bowl along said pipe, there being openings in said bowl communicating with said box to permit liquid from the bowl to lubricate said blocks.

2,199,726
HAND PIECE FOR POWER DRIVEN TOOLS
John Hyde, Chicago, Ill.
Application June 28, 1938, Serial No. 216,340
2 Claims. (Cl. 279—35)



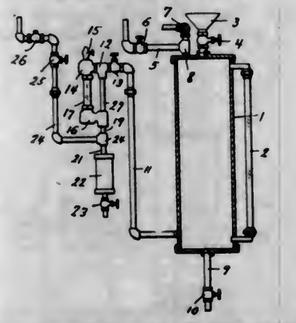
1. In a device of the class described an elongated tubular handle member having an opening at one end for receiving the shank of a tool and a chamber therein with which said opening communicates, elongated longitudinally extending jaw members rotatably supported in the chamber, a fulcrum member engaged by intermediate parts of the jaw members, a supporting member by which the handle member is supported for sliding movement longitudinally, and a mandrel rotatably supported by said supporting member and adapted to be rotated, said mandrel having a tapered end extending into the chamber, when the handle member is in retracted position, and extending between the adjacent ends of the jaw members to spread said ends apart and to cause the opposite ends to grip a tool shank passed through the openings and said end of the mandrel frictionally engaging the said adjacent ends of the jaw members to cause rotary movement of the jaw members with the mandrel, said tapered end of the mandrel moving out of the chamber and out of engagement with the jaw members when the handle member is projected.

2,199,727
AERIAL
Joseph R. Koss, Detroit, Mich.
Application April 4, 1939, Serial No. 265,993
5 Claims. (Cl. 250—33)



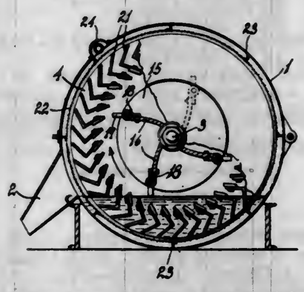
1. The combination with the body of an automobile, of an aerial including a rod-like unit, means to mount said unit on one side wall of said body for swinging movement into and from upstanding position comprising an elbow fast on one end of said unit, a bearing sleeve mounted in said wall for rotation and endwise slidable therein in opposite directions, respectively, a tubular axis member fixed at one end in said elbow and extending through said sleeve into said body, said member and sleeve being relatively rotatable and slidable, spring means on said member urging said sleeve endwise in one direction, a friction clutch between said sleeve and said elbow engaged under movement of said sleeve in said one direction and disengaged under movement of said sleeve in the opposite direction, a hand lever fast on said member for rotating the same, a hand grip on said lever swingably mounted thereon, and an operating connection between said grip and sleeve for moving the latter in said opposite direction.

2,199,728
SIGHT FEED CONTROL OF WATER SOFTENING TREATMENT FOR BOILERS
Frank L. Overson, Milwaukee, Wis.
Application May 18, 1938, Serial No. 208,730
1 Claim. (Cl. 210—38)



Means for supplying a softening solution to a boiler comprising a container for receiving softening material, means for connecting the container to a water supply, a sight gauge, a pipe line connecting the container to the upper end of the gauge for leading the water with the material therein from the container to the gauge, a valve in the pipe line for closing the supply of water to the gauge, a vent valve in the top of the gauge for venting air therefrom, a chamber forming member, a vertically arranged pipe line connecting the upper end of said chamber forming member with the bottom of the gauge, a pipe line connecting an intermediate part of the last-mentioned pipe line to the boiler, a valve in the last-mentioned pipe line for closing communication between the air chamber forming member and the boiler and a drain valve in the bottom of the chamber forming member.

2,199,729
PULVERIZER
Clarence John Peterson, Oildale, Calif.
Application January 11, 1938, Serial No. 184,402
4 Claims. (Cl. 83—11)

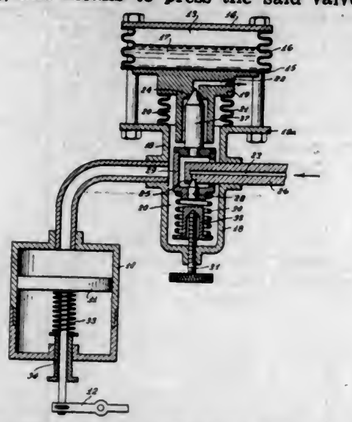


1. A pulverizing machine, comprising a housing, a drum mounted within the housing, means to rotate said drum, a peripheral row of breaker plates mounted on the drum, a hub positioned within the drum, means to rotate the hub, beater bars mounted on the hub, said beater bars extending transversely of the machine, and substantially parallel to the breaker plates, an outlet spout extending from the housing, and a water intake pipe extending into the housing adjacent and above the drum, said pipe being arranged outside of the drum periphery, a screen surrounding the drum, a plurality of angle bars arranged on the outside of the drum, said spout being arranged above the bottom of the housing, whereby a sump is provided in the bottom of said housing, the water from said water intake pipe pouring downwardly over the drum, the angle bars and the breaker plates, and collecting in the sump, and subsequently passing out through the spout, carrying the pulverized material, the angle bars scraping the pulverized material from the sump into the spout.

2,199,730
THERMOSTATIC CONTROL
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application May 25, 1936, Serial No. 81,680
5 Claims. (Cl. 236—86)

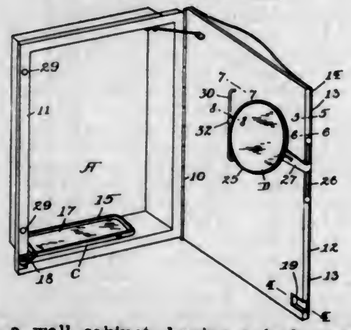
1. A thermostatic double valve comprising a cupshaped housing, a valve seat member, expansible and contractible sealing means between the housing and said valve seat member, said valve seat member being movable away from the housing by pressure within the housing and having a valve seat facing said housing, a second valve seat fixed to the housing and facing in the same direction as the first valve seat, a single movable means having portions adapted to fit on said valve seats, a spring connected to said means to press said portions onto said valve seats, means

for adjustably changing the pressure of said spring, and means to press the said valve seat



member towards the said housing with a force dependent upon temperature.

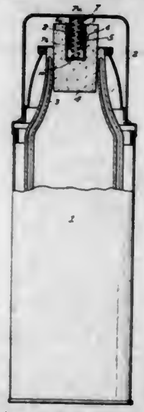
2,199,731
CABINET
Ralph Pryne, Los Angeles, Calif.
Application November 8, 1937, Serial No. 173,437
2 Claims. (Cl. 312—113)



2. In a wall cabinet, having a body open in front, a door hinged to one side of the body and adapted to swing horizontally and close the front of said body, a shelf hinged to an outer edge of the side of the body near the free edge of the door when the latter is closed, adapted to swing horizontally outwardly from the body when the door is open and permitted to remain in outer position when the door is again closed, said door having an encased opening over the hinge of the shelf permitting the door to close when the shelf assumes either extended or folded position.

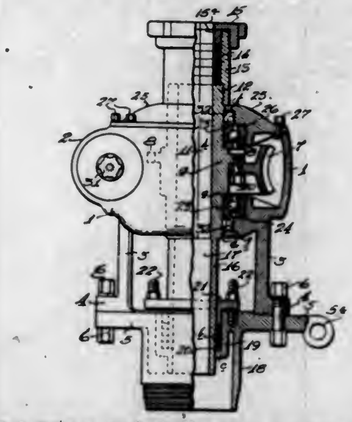
2,199,732
STOPPER FOR THERMOS BOTTLES
Arvid T. Antonson, Detroit, Mich.
Application March 1, 1939, Serial No. 259,225
1 Claim. (Cl. 215—47)

The combination of a Thermos bottle including an outer protecting jacket and a removable closure cup fitted to and engaging the jacket, a closure cork fitted in the neck of the bottle and having a central bore extending from its upper end, a cylindrical open ended sleeve fitting within said bore and having an inwardly turned flange at its upper end, a second sleeve having a closed upper end inserted through the open lower end of the first mentioned sleeve and slidable therein and having its outer surface engaging the inwardly turned flange of the first mentioned sleeve, an outwardly extending flange carried by the lower end of the second mentioned sleeve and engaging the inner wall of the first mentioned sleeve and limited in its upward move-



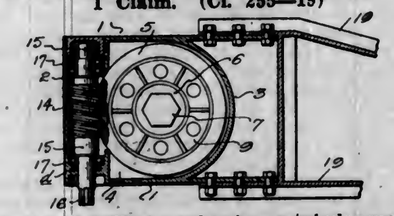
ment by the engagement of the flanges carried by the two sleeves, a coil spring inserted through the open lower end of the first mentioned sleeve and extending into the second mentioned sleeve, a disk in the lower end of the first mentioned sleeve and bearing against the lower end of the spring, and an inwardly turned flange carried by the lower end of the first mentioned sleeve for holding the disk in said sleeve.

2,199,733
COMBINATION ROTARY TABLE AND PACK-OFF HEAD
Fred G. Beckman, Muskogee, Okla.
Application May 11, 1938, Serial No. 207,176
1 Claim. (Cl. 255—19)



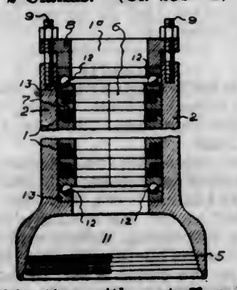
In a rotary and stuffing box for well drilling equipment, a flanged member having a depending, threaded element arranged to be received by a well casing head and to be solely supported thereby, a housing supported by and above said flanged member, a tubular quill provided with a square bore to receive a Kelly joint and having one end rotatably mounted in said flanged member, and extending upwardly through said housing, an annular shoulder on said quill forming a hub within said housing, a worm gear secured to said hub by which said quill is rotated, a worm journaled in said housing enmeshing said worm gear and by which the latter is rotated, means integral with said flanged member for connection to a stationary object to hold said flanged member against rotation and packing means adjacent either end of said quill.

2,199,734
PORTABLE ROTARY TABLE
Fred G. Beckman, Muskogee, Okla.
Application May 11, 1938, Serial No. 207,177
1 Claim. (Cl. 255—19)



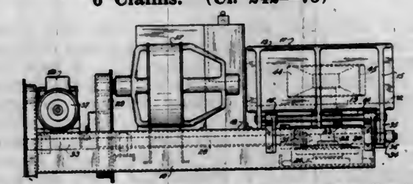
In a well drilling mechanism, a tubular member arranged to be secured to and supported solely by a well casing head and having an annular shoulder interiorly thereof, a second tubular member rotatably arranged within said first tubular member, having a hexagonal bore to receive a Kelly joint and provided with an annular shoulder exteriorly thereof, spaced ball races retained jointly by the shoulder of said members intermediate the latter, a packing gland embracing said Kelly joint at the upper end of said second member, a housing above said tubular members, arranged to be mounted on said Kelly joint, a worm gear rotatably mounted in said housing and having a hub provided with a hexagonal bore to receive said Kelly joint, a worm journaled in one end of said housing in engagement with said worm gear, a flexible drive connection on one end of the shaft of said worm, and leverage means secured to said housing to overcome the torque thereon of said gear.

2,199,735
PACKING GLAND
Fred G. Beckman, Muskogee, Okla.
Application December 29, 1938, Serial No. 248,291
2 Claims. (Cl. 255—1)



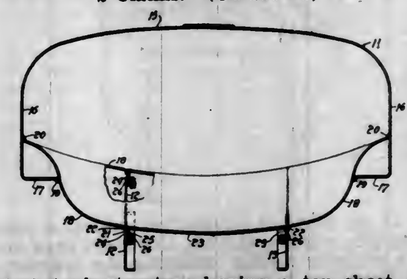
1. In combination with a stuffing box for longitudinally and rotatably operated shafts a housing having a bell shaped open bottom, a circular bore extending through said housing and communicating with the bell shaped bottom, a multiplicity of super-imposed circular dividing rings having shoulders formed in one face thereof, a multiplicity of packing rings having cooperating shoulders in one face thereof disposed between said dividing rings, said packing member and dividing rings arranged to be inserted in the bore of the housing, central openings in the dividing rings and packing members conforming to the outer surface of an operated shaft extending therethrough, a follower removably secured to the extreme upper end of the housing to exert pressure upon said packing members to effect a rotatable seal between the bore of the housing and the operated shaft, and antifrictional bearings disposed in intimate contact with the extreme upper and lower dividing rings whereby the packing members and dividing rings may rotate freely within the housing in coordination with the operated shaft.

2,199,736
APPARATUS FOR TREATING COILED STRIP MATERIAL
George R. Beckwith, Brady Lake, and Clayton H. Propper, Kent, Ohio, assignors to The C. L. Gougler Machine Company, Kent, Ohio, a corporation of Ohio
Application June 20, 1936, Serial No. 86,388
6 Claims. (Cl. 242—78)



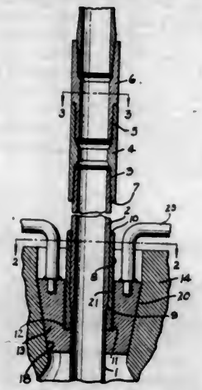
1. In apparatus of the character described the combination of a frame, a rotatable spindle thereon, a support adapted to receive a coil of strip material, said support having an opening therein and being movable to position said opening substantially coaxially with respect to said spindle, means for driving said spindle, and means for connecting the inner end of said strip with the spindle.

2,199,737
TANK MOUNTING
Jacob Bernstein, Omaha, Nebr.
Application August 28, 1939, Serial No. 292,309
2 Claims. (Cl. 280—5)



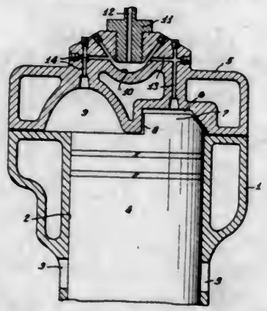
1. A tank structure having a top sheet, side extensions depending therefrom, corner plates having downwardly extending flanges along their lower edges, said corner plate being secured along their upper edges to said side extensions, a belly plate provided with longitudinally extending flanges secured to said downwardly extending flanges of said corner plates, and means for securing said belly plate to the sills of a vehicle chassis.

2,199,738
TOOL JOINT FOR DRILL STEMS
William V. Bowles, Houston, Tex., assignor of twenty-five per cent to Tracy S. Park, Houston, Tex.
Application April 7, 1939, Serial No. 266,487
4 Claims. (Cl. 255—28)



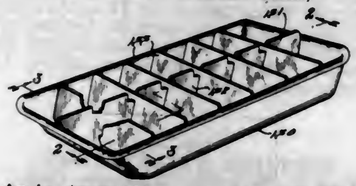
1. A drill stem section, a tool joint box member at the upper end thereof, polygonal enlargements at the upper and lower ends of said box to be engaged by a wrench, an intermediate polygonal enlarged member spaced upwardly adjacent said lower end similar in length to that of said lower end enlargement for engagement by a wrench, shoulders on the lower sides of said enlargements, and a cylindrical body between said enlargements to receive elevators and other supporting devices.

2,199,739
FUEL INJECTION HEAD
James P. Burke, Knoxville, Tenn., assignor of one-half to F. L. McLaughlin, Detroit, Mich.
Application October 28, 1938, Serial No. 237,420
5 Claims. (Cl. 123—32)



2. In an internal combustion engine, a cylinder having a piston therein, a cylinder head having a chamber therein overlying the cylinder, a wall depending from the bottom of said chamber and extending substantially diametrically over the cylinder, said depending wall dividing said chamber into two compartments, said wall having a relatively small passage connecting the two compartments and formed with a fuel receiver, and said piston having a step adapted to enter one of said compartments to displace contained fluids therefrom through said passage to the other compartment.

2,199,740
ICE TRAY
Clifford R. Carney, Detroit, Mich.
Application September 2, 1939, Serial No. 293,261
6 Claims. (Cl. 62—108.5)



1. An ice tray grid comprising a vertically disposed longitudinally extending member having a plurality of spaced relatively long notches defined by spaced edge portions formed in its upper edge and a plurality of spaced relatively short notches formed adjacent its lower edge, a plurality of separately movable transversely extending members mounted on the longitudinally extending member and movable angularly in said notches from inclined positions of approximately seventy degrees to the horizontal towards increased angularly inclined positions relative to the horizontal, and a plurality of spaced abutments formed in the longitudinal member each adjacent one of the first mentioned spaced edge portions to provide a space between each abutment and the associated transverse member, whereby a detached prying tool may be selectively received between said abutments and transverse members to move the transverse members angularly from said inclined position of approximately seventy degrees to release ice.

2,199,741
FOLDING BED
Ivan F. Clark, Ionia, Mich.
Application June 8, 1939, Serial No. 278,018
9 Claims. (Cl. 5—36)



1. In combination, a box-like central section having an open top, and foldable sections adapted to be folded within said central section, one over the other, combined with means for pivotally and movably mounting said foldable sections on the central section, whereby said foldable sections may be elevated and turned outwardly away from each other over the upper edges of the sides of the central section and lie in the same horizontal plane, as specified.

2,199,742
ROLLER TOWEL CABINET CONSTRUCTION
Daniel G. Cullen, Detroit, Mich., assignor to Steiner Sales Company, Chicago, Ill., a corporation of Utah
Application August 12, 1935, Serial No. 35,741
Renewed October 26, 1938
15 Claims. (Cl. 312—38)

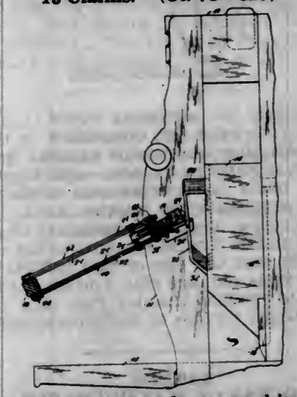
1. In a device for dispensing sheet material which has a dispensing means and a time-stop mechanism, means operated by the timer of said mechanism as the timer is set, to move the stop of said mechanism to one of its limit positions, said timer having setting means which is accessible to and which is operated by the user.

10. A dispensing cabinet for sheet material having a measuring roll and a soiled towel take-up roll, means for driving the rolls in unison, said means having a movable first stop, a rotatable shaft having a second stop loosely splined for sliding movement thereon, and normally in the path of the first stop, and movable laterally out of said path, and cushioning means at one side of the stop adapted to cushion the shock of engagement of the stops, a timer comprising a cylinder having a piston having a piston rod projecting through opposite ends of the cylinder, a spring which is conditioned for power action



when the piston is manually moved by the rod, and a portion of said rod being accessible to the user for this purpose, means by which the rod moves the second stop out of the path of the first as the timer is set by conditioning for power action, said timer acting by means of the spring to restore the second stop to stop position, and means for adjustably retarding piston motion under the power action of said spring.

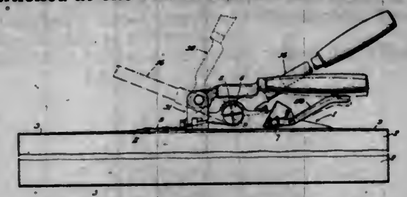
2,199,743
GUARD FOR PAPER CUTTERS
Walter C. Eickman, Dayton, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application December 21, 1938, Serial No. 246,965
13 Claims. (Cl. 74—615)



1. In a guard device for a machine having a frame and a reciprocating part, a support mounted on the frame, a movable guard element in front of said reciprocating part, a pair of crossed links, a pivotal connection between said links at their intersection, a pivotal connection between one end of each link and said support and between the opposite end of each link and said guard element, one pivotal connection for each link having a fixed axis and the other two pivotal connections having movable axes, and means actuated upon the movement of said reciprocating part for imparting movement to said links.

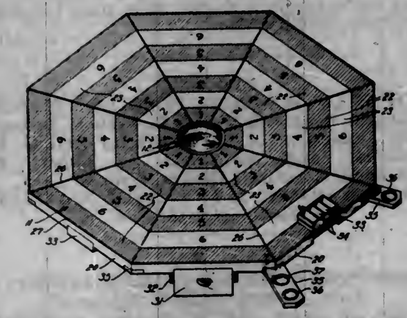
2,199,744
BAND CUTTER AND TENSIONING DEVICE
John M. Gerrard, Chicago, Ill.
Application December 11, 1939, Serial No. 308,733
10 Claims. (Cl. 140—93)

1. In a band tensioning device, the combination of a base member, a drum pivotally carried by said base, means for rotating said drum, the latter engageable with one end of a band, a dog positioned at one side of said drum for releasably



holding the opposite end of said band, and a cutter positioned on the opposite side of said drum, positioned to sever a portion of said band, and common means for operating said cutter and said dog.

2,199,745
CARD TABLE
Robert F. Harris, Los Angeles, Calif.
Application July 14, 1939, Serial No. 284,484
6 Claims. (Cl. 273—136)

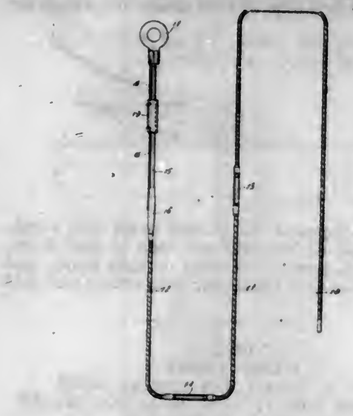


1. A card table comprising supporting means, a playing board carried by the supporting means having a substantially central opening, the board having a series of sections for each player radiating from the opening upon which the objects of play may be placed, identifying means for the sections, means for distinguishing the adjacent series one from the other, a wide mouthed receptacle for said objects, and means removably supporting the receptacle in the opening comprising a supporting flange on the upper end of the receptacle resting on the board, the receptacle having a restriction at its mouth presenting an internal downwardly facing shoulder in the receptacle engageable by the fingers of a person's hand entered in the receptacle to insert and remove the receptacle, and an outwardly projecting flange forming the upper end of the restriction and projecting outwardly beyond the receptacle to bear on the board to support the receptacle.

2,199,746
FUSE LINK
Lester C. Hart, Cleveland, Ohio, assignor to Hi-Voltage Equipment Company, Cleveland, Ohio, a corporation of Pennsylvania
Application October 31, 1938, Serial No. 237,843
3 Claims. (Cl. 200—135)

1. A fuse comprising a plurality of flexible conductor sections fusible at a relatively high temperature and joined together in series by a tubular fusible section that is fusible at a relatively low temperature, and a fusible end section joined

to the end of one of said conductor sections and calibrated to be fused by a current of predeter-



mined amperage in a shorter time than the first mentioned fusible section.

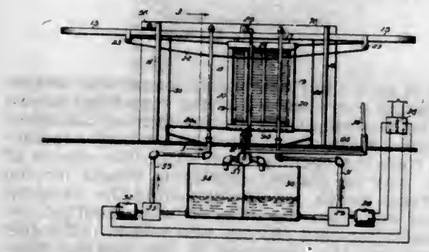
2,199,747

METHOD OF WASHING VENETIAN BLINDS

Richard G. Long and Walter D. French, Denver, Colo., assignors of one-fourth to Arthur H. Bosworth and one-fourth to Robert B. McGaughey, both of Denver, Colo.

Application October 3, 1938, Serial No. 233,042

6 Claims. (Cl. 15—269)



1. The method of washing venetian blinds having reversible slats, that comprises suspending a blind for movement along a predetermined path, with the slats in substantially overlapping relationship, moving a suspended blind through a forcefully projected spray of cleansing fluid, subjecting surfaces of the blind to a scrubbing action, reversing the slats of the blind about their respective longitudinal axes, repeating the scrubbing action, and then impinging rinsing fluid on the scrubbed surfaces.

2,199,748

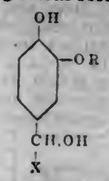
PRODUCTION OF ALKOXY-HYDROXY-BENZALDEHYDES

Ewart Mather and William Edward Hamer, Wrexham, Wales, assignors to Monsanto Chemicals Limited, London, England, a British company

No Drawing. Application March 2, 1936, Serial No. 66,698. In Great Britain March 4, 1935

10 Claims. (Cl. 260—600)

1. A process for the production of alkoxy-hydroxy-benzaldehydes comprising heating a compound having the general formula:



in which R is an alkyl group and X is a group selected from the class consisting of trichloromethyl (—CCl_3) and carboxyl (—COOH) groups, in an aqueous solution of caustic alkali with an aryl nitro compound that is free of any negative substituent.

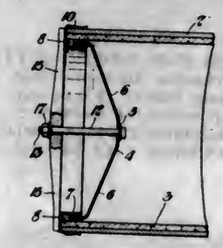
2,199,749

PROTECTOR FOR TUBULAR OBJECTS

Harry R. Mazurie, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey

Application November 17, 1937, Serial No. 175,149

3 Claims. (Cl. 138—96)



1. A protector for a tubular object comprising a supporting member for disposition in the end of the tubular object, a flexible annular ring carried by said supporting member, said flexible annular ring being constructed and arranged for disposition proximate the interior surface of the tubular object, a U-shaped annular ring, said U-shaped annular ring being constructed and arranged to fit over the end of said tubular object and said flexible annular ring, and means for expanding said flexible annular ring into contact with the interior surface of the tubular object.

2,199,750

PROCESS OF MAKING PAPER

Howard D. Meincke, Glencoe, Ill., assignor to A. M. Meincke & Son, Inc., Chicago, Ill., a corporation of Illinois

No Drawing. Application February 17, 1937, Serial No. 126,309

1 Claim. (Cl. 92—21)

The process of making an open-textured high strength paper which comprises beating paper pulp in a beater for a prolonged period; adding to and beating into the contents of the beater a readily dispersible fine-grained starch product produced by heating starch under pressure with 4 to 5 times its volume of water until interaction between starch and water is complete and heating the suspension to dryness in thin layers and comminuting the dried product to subvisible powder particles; maintaining the pH of the starch-pulp mixture in the beater at about pH 7 by addition of sodium silicate; adding alum to the beater mixture to reduce the pH to about 5 and converting the mixture into paper.

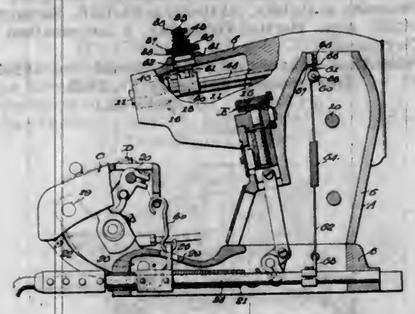
2,199,751

AUTOMATIC TENSION RELEASE FOR BLIND STITCH SEWING MACHINES

Charles W. Mueller, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine

Application September 22, 1937, Serial No. 165,204

17 Claims. (Cl. 112—254)



2. In a sewing machine, the combination with a frame including a hollow standard and a laterally extending hollow arm, of a stitch forming mechanism mounted on the free end of said arm and including a reciprocatory threaded needle, releasable needle thread tensioning means mounted on said arm, and manually operable means extending along and housed within the standard and the arm for releasing said tensioning means, said means including a bell crank lever fulcrumed in the frame at the juncture of the standard and the arm.

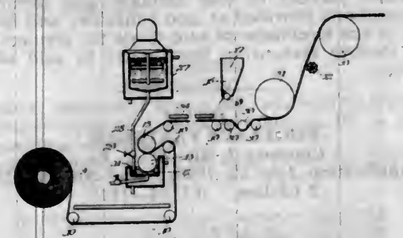
2,199,752

COATED ABRASIVE

Nicholas E. Ogleaby, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts

Application February 6, 1937, Serial No. 124,505

17 Claims. (Cl. 51—278)



10. The method of making coated abrasives including a backing comprising forming an adhesive coating on the backing which is too viscous to properly wet and pick up the desired grit weight, and softening the adhesive to produce a surface zone in the coating which is more fluid than the main body of the coating and the adhesive adjacent the backing, so that the desired grit weight may be thoroughly wetted and trapped by the more fluid surface zone and sink into the more viscous zone of the adhesives, whereby the grits are held substantially in their initially applied positions, and applying a layer of grit to said adhesive coating while the said adhesive is in this condition.

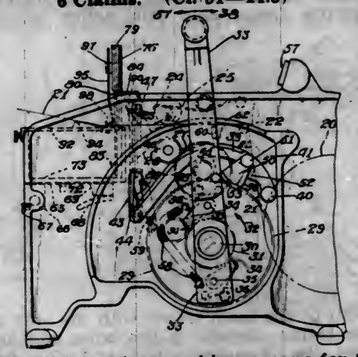
2,199,753

WEB-FEEDING AND END-GUMMING MACHINE

Robert F. Ohntrup, Philadelphia, Pa., assignor to Tompkin's Label Service, Philadelphia, Pa., a corporation of Pennsylvania

Application February 25, 1939, Serial No. 258,447

6 Claims. (Cl. 91—14.5)



1. In a web-serving machine, means for intermittently serving predetermined lengths of webbing, a liquid reservoir adapted to contain a pool of liquid, a plurality of web guide fingers for guiding the web above the reservoir, a reciprocatory liquid applicator element adapted to move intermittently from the liquid pool into contact with the web, and means interconnecting said intermittent web-serving means and said reciprocatory liquid applicator element for moving the latter in timed relation to the web movements.

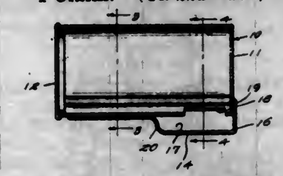
2,199,754

POWDER CONTAINER AND DISPENSER

Edward L. Penrod, Detroit, Mich.

Application January 16, 1939, Serial No. 251,218

1 Claim. (Cl. 221—104)



In combination, a container having longitudinal grooves formed along the side walls and closely adjacent the bottom wall thereof, said container having a discharge outlet near one end thereof, a member formed with inwardly extending flanges frictionally engageable with and slidably disposed in said grooves, said member having a depressed portion in one end thereof forming a pocket for receiving contents discharged through said opening whereby said contents may be dispensed upon slidably moving said member beyond said outlet.

2,199,755

SEEDER ATTACHMENT FOR DISK HARROWS

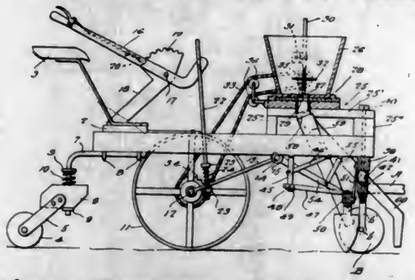
Walter R. Pyron, Comfort, Tex.

Application November 30, 1938, Serial No. 243,251

2 Claims. (Cl. 111—1)

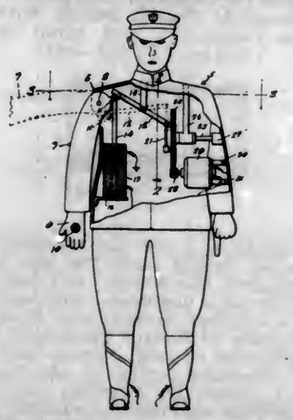
1. A seeder attachment for a disk harrow comprising a frame including a pair of side members and a transverse bar extending under the front ends of the side members, said bar pro-

jecting beyond the sides of the frame, wheels for supporting the rear of the frame, a small frame mounted on the front part of the first-mentioned frame, a seed box mounted on the small frame, long bolts passing through front portions of the small frame, through the front ends of the side members of the main frame and through the transverse bar and through the rear member of the harrow frame, said bolts acting to connect



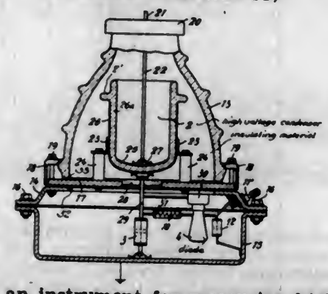
the front of the main frame with the rear of the harrow frame, sleeves on the bolts and located between the transverse bar and the harrow frame, a transverse beam, chutes depending from the beam and arranged to deposit seed into the furrows made by the disks of the harrow and depending means for connecting said transverse beam to the front portion of the main frame, and means for conveying seed from the seed box into said chutes.

2,199,756
AUTOMOBILE STOP SIGNAL
Eugene E. Ricard, Ponchatoula, La.
Application August 11, 1936, Serial No. 95,470
2 Claims. (Cl. 177—327)



2. An automobile stop signal comprising a support, a normally gravitationally depressed signaling arm pivoted intermediate its ends on said support, a depending solenoid core pivotally connected to the inner end of said signaling arm, a solenoid electro-magnet on said support receiving said solenoid core, a walking-beam pivoted on said support at one side of said signaling arm and having one end thereof resting freely on the upper side of the inner end of said signaling arm, a connecting rod connected to the opposite end of said walking-beam, a rotary electric motor operatively connected to said connecting rod whereby said signaling arm may be intermittently raised and permitted to gravitationally fall, and means for selectively operating either the motor or the solenoid.

2,199,757
HIGH-FREQUENCY VOLTMETER FOR HIGH VOLTAGES
Lothar Rohde, Munich, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application February 7, 1938, Serial No. 189,281
In Germany February 11, 1937
5 Claims. (Cl. 171—95)



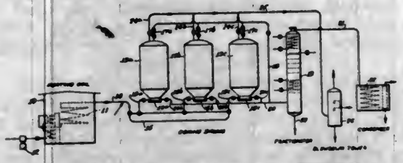
1. In an instrument for measuring high voltages at high frequency, a closed casing consisting of a hollow insulator, having a terminal for connection with the high tension side of the voltage source, and of a closed pot-shaped conducting container secured to said insulator and being connected to the low tension side of said source, a high tension potentiometer disposed partly within said casing and partly within said container and connected at one end to said high tension terminal and at the other end to said conducting container, a diode within said conducting container having its cathode connected to said conducting container and its anode to a desired intermediate point of said potentiometer where only a relatively low voltage prevails between said point and the low voltage side of the source, terminal connections at said container for supplying heating current to said cathode, and terminal connections provided at said container and leading to the electrodes of said diode for connecting an electric measuring instrument to said electrodes.

2,199,758
SHOELACE FASTENER
Clarence J. Rio, Tyler, Pa.
Application July 27, 1939, Serial No. 286,913
2 Claims. (Cl. 24—117)



1. In a shoelace fastener, a plate-like member adapted to be attached to the tongue of the shoe to extend downwardly from the top edge of the tongue, said member having a bendable extension for clampingly engaging said tongue and a pair of laterally spaced flanges of angular form in cross-section extending along opposite side edges thereof, respectively, in downwardly convergent relation and providing opposed clamping jaws for receiving the ends of the shoelace therein, a wedge-shaped clamping member slidably mounted on said plate for movement into and out of said flanges, respectively, to clamp said ends against said flanges and release the same, said wedge-shaped member being movable from said flanges into a position clear of the same to facilitate locating the ends of the laces in said flanges, and clasp devices on said fixed and wedge-shaped members, respectively, coacting to cam said wedge-shaped member inwardly of said flanges and to couple said members together.

2,199,759
MANUFACTURE OF COKE
Harry G. Schnetzler, Neodesha, Kans., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 16, 1937, Serial No. 148,441
8 Claims. (Cl. 202—31)



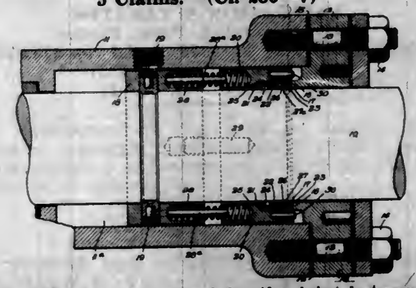
1. The method of coking hydrocarbon oils that comprises maintaining a mass of hydrocarbons at a coking temperature with resultant evolution of condensable vapors in an enlarged coking chamber insulated against heat loss, heating a confined stream of hydrocarbon oil in an elongated passageway of restricted cross sectional area to a cracking temperature and delivering into the enlarged coking chamber the resultant heated stream of hydrocarbon oil at a temperature sufficient to maintain the mass in the coking chamber at a coking temperature, discontinuing the delivery of said heated stream of hydrocarbon oil to the coking chamber while retaining the residual constituents therein under their contained heat with the continued evolution of condensable vapors, and maintaining the resultant coke residue therein at an elevated temperature solely under its contained heat for an extended period of time after the flow of condensable vapors has substantially ceased to thereby effect reaction in the coke mass increasing the yield of lump coke, as measured by the lump coke obtainable over a three-inch grizzly.

2,199,760
ROOFING
Clyde C. Schuetz, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application September 26, 1938, Serial No. 231,667
11 Claims. (Cl. 108—7)



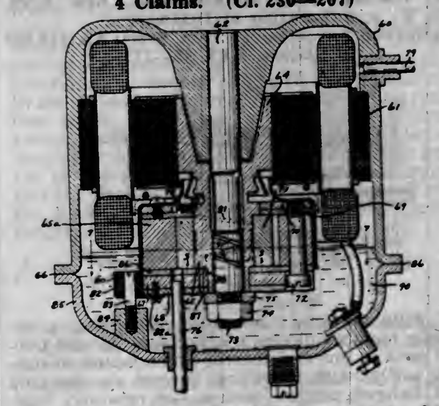
6. A building strip having tabs on one edge with slots therebetween, said tabs being of various lengths and a material number of said tabs having various end contours randomly arranged, the top view of said end contours conforming generally to the end view butt-line contours of corresponding warped shingles, the body portion of said strips adjacent the closed ends of said slots being of materially darker color than said tabs whereby when the strips are overlapped in the normal manner the darker surface is exposed through the slots and at least partially below the ends of a material number of said tabs to simulate shadows cast by the butt edges of said tabs and provide the appearance of warped and weathered shingles.

2,199,761
SHAFT SEAL
Francis Shenton, Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application October 23, 1937, Serial No. 170,683
5 Claims. (Cl. 286—7)



1. A fluid pressure seal for the joint between a shaft and a relatively stationary member through which the shaft extends, one of which is provided with an annular bearing face and the other having a metallic sealing and bearing ring surrounding said shaft and rotatable therewith and engaging said bearing face to seal against leakage of fluid radially of the shaft, a compressible packing ring engaging said sealing and bearing ring, and a coacting seal for sealing against leakage of fluid axially of the shaft comprising additional compressible packing rings surrounding said shaft and having tapered edge sealing portions presented in opposed relation axially of and lying contiguous to said shaft whereby fluid pressures exerted longitudinally of the shaft tend to compress said portions against the shaft, and mechanical means urging said additional compressible packing rings against said shaft and said first named compressible packing ring against said sealing and bearing ring.

2,199,762
REFRIGERATING APPARATUS
Rolf M. Smith, Cincinnati, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 30, 1937, Serial No. 123,258
4 Claims. (Cl. 230—207)



4. In a rotary compressor, a compressor hous-

ing, an impeller within said housing, a drive shaft having an eccentric portion within said housing in driving engagement with said impeller, said housing having a lubricant passage leading to one end surface of said eccentric, said end surface being provided with a bifurcated groove having one branch leading towards the center of rotation and another branch leading to the outside surface of said eccentric.

2,199,763

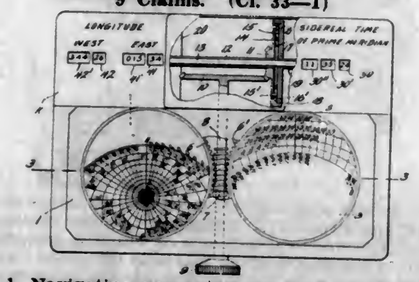
NAVIGATION APPARATUS

Pierre Sordoillet, Paris, France

Application May 27, 1938, Serial No. 210,508

In France June 21, 1937

9 Claims. (Cl. 33—1)



1. Navigating apparatus comprising a member having a stereographic projection of the sky inscribed thereon, a second member having a stereographic projection of the local hemisphere inscribed thereon, including a system of altitude and azimuth coordinates, said members being superposed and one of said members being mounted for rotation about a point common to said projections and corresponding to the axis of the poles, said upper member being of transparent material, and means for effecting rotation of said rotatable member in accordance with the algebraic sum of the sidereal time of the prime meridian and the estimated longitude of the observer, said last means comprising a manually rotatable shaft, gearing connecting said shaft and said rotatable member, means for registering the extent of rotation of said rotatable member, and gearing connecting said shaft and said registering means.

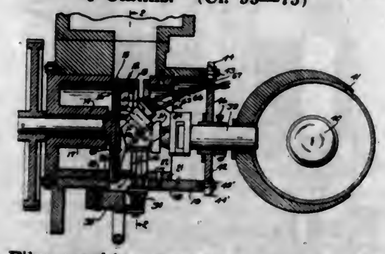
2,199,764

FILM MARKING APPARATUS

Albert W. Tondreau, Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application November 12, 1938, Serial No. 239,942

6 Claims. (Cl. 95—75)



1. Film marking apparatus comprising a rotatable member having a cylindrical flanged portion open at one end thereof and adapted to support a film with a portion thereof overhanging said flanged portion, means for rotatably supporting said member for rotation about the axis of said cylindrical portion, said member having an aperture therein, means for directing a beam of light through said aperture from within said flanged portion to the film, and means for preventing said light from striking said overhanging portion of said film.

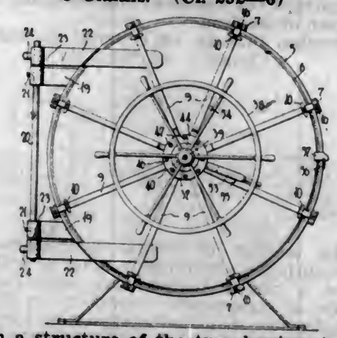
2,199,765

DOOR LOCKING MECHANISM

Odell Velie, South Bellingham, Wash., assignor to Bellingham Iron Works, Inc., South Bellingham, Wash., a corporation

Application November 1, 1938, Serial No. 238,266

8 Claims. (Cl. 292—6)



1. In a structure of the type having an opening, a door for closing such opening and brackets secured to the structure and arranged in spaced relation about the edge portion of the door, the improvement comprising a screw, a swivel joint connecting the screw to the door, means for use in turning said screw, a nut having threaded engagement with the screw, bolts arranged exteriorly of the door, having their inner ends operatively connected to the nut and engageable at their outer ends with said brackets, and means functioning independently of the first-mentioned means for turning said nut relatively to the screw, and thereby moving the inner ends of said bolts toward or away from said door.

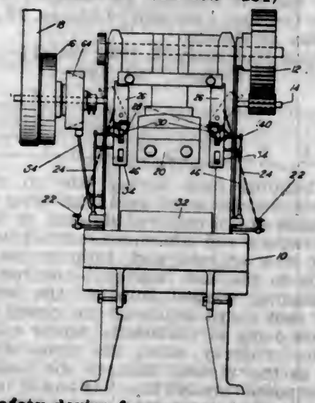
2,199,766

SAFETY DEVICE FOR PRESSES

Benjamin J. Victor, Oak Park, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois

Application August 7, 1937, Serial No. 157,877

7 Claims. (Cl. 192—134)



1. A safety device for presses, including clutch and brake elements on the driving shaft of the press, means for instantly releasing the clutch and setting the brake, said means including a spring-pressed rod extending transversely of the press, and latch means for normally retaining the rod in retracted position, together with a bell-crank lever mounted on the side of the press, a link connecting the bell-crank lever to the latch and means for automatically releasing the latch on accidental undesired operation of the press.

2,199,767

DISPOSAL OF COKE PLANT WASTE LIQUORS

Joseph H. Wells and Philip J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

No Drawing. Original application October 14, 1935, Serial No. 45,005. Divided and this application May 18, 1938, Serial No. 208,701

2 Claims. (Cl. 210—2)

1. In the bacterial treatment of waste matter including compounds on which bacteria can grow but also including compounds harmful to bacterial growth, the steps of subjecting said matter to the influence of direct current electricity until at least some of the second named compounds are oxidized, and then subjecting said matter to bacterial action, the effect of said oxidizing influence being regulated during said step to leave a substantial amount of the first named compounds for use by the bacteria.

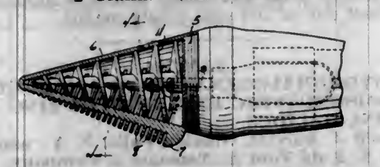
2,199,768

MOTOR DRIVEN SHAVING DEVICE

Wilfred J. Whitton, Grant City, Staten Island, N. Y.

Application August 30, 1938, Serial No. 227,570

1 Claim. (Cl. 30—43)



A device of the character described, comprising, a casing adapted to have mounted therein a motor having a drive shaft extending beyond said casing, a conical-shaped guard connected to said casing and axially receiving said shaft, said guard formed with a longitudinally extending rib fashioned with transversely extending teeth terminating about said guard on the opposite side of the axis of the latter relative to said rib, a cutter fixed on said shaft and rotatable by the latter within said guard for coaction with said teeth in a manner to effect shaving of the face when said teeth are in engagemnt with said face, and a disk interposed between said cutter and said casing for precluding entrance of foreign matter within said casing.

2,199,769

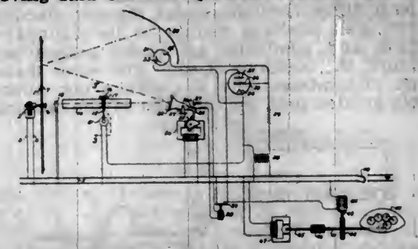
MEASURING APPARATUS

Rew E. Woolley, Shaker Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application May 1, 1936, Serial No. 77,363

19 Claims. (Cl. 235—61)

1. In combination with a chart having a record of the instantaneous successive magnitudes of a variable traced thereon, means for producing a light beam, means for periodically oscillating said light beam along a definite path, said chart disposed in the path of said beam, means for moving said chart to present succeeding points



of said record to said beam, a register, and means including means sensitive to said beam after striking said chart for controlling the actuation of said register.

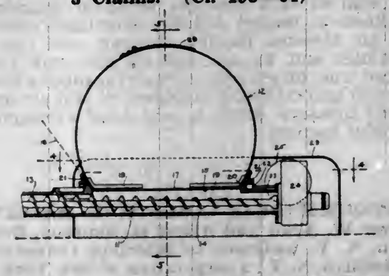
2,199,770

HOPPER FOR STOKERS AND THE LIKE

Raymond E. Young, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Application July 31, 1937, Serial No. 156,658

3 Claims. (Cl. 198—64)



1. In a device of the class described, the combination with a fuel feed screw, and means for driving the same, of an open top trough in which said feed screw rotates, horizontal guide plates at the sides of said trough constituting a floor, a spherical hopper centrally above the guide plates and trough and mounted for rotation about a substantially vertical axis intersecting the axis of rotation of the feed screw, the sphere of said hopper having its lower portion cut away on a plane substantially coincident with the guide plates, and said plane intersecting the spherical surface of the hopper substantially at the position of a tangent lying at fifty-five degrees to the horizontal, to thereby enable fuel contained within the hopper to naturally descend to the trough and guide plates, sweep arms on the hopper extending inwardly above the guide plates and moving with the hopper, there being a filler opening in the upper central portion of the hopper, and common means for driving the feed screw and rotating the hopper simultaneously, substantially as described.

2,199,771

OIL BURNER

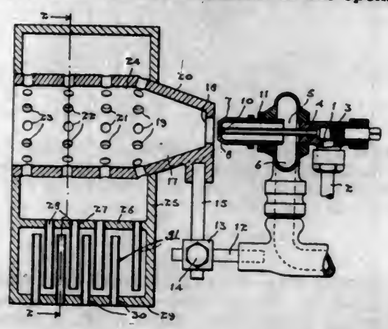
William J. Young, Toronto, Ontario, Canada, assignor to Eric Colin-Smith, Toronto, Ontario, Canada

Application April 25, 1938, Serial No. 204,204

4 Claims. (Cl. 158—76)

1. An oil burner for producing a high-temper-

ature luminous flame having in combination a tubular mixing chamber cylindrical for its major length and converging rearwardly to an axial atmospheric air inlet opening, said chamber having at least three circumferential rows of openings in the wall confined mainly to the cylindrical portion and admitting air under atmospheric pressure, the openings of each row being spaced apart circumferentially a distance not appreciably greater than the diameter of the openings



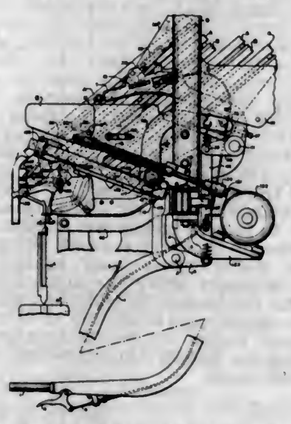
and said chamber presenting an unrestricted forward discharge end whereby to avoid choking and the wall of said chamber being of substantial thickness to impart definite directional effect to the air streams passing through said rows of openings, and an air and oil directing nozzle spaced from direct contact with the mixing chamber wall and directing atomized oil and air under forced pressure through said axial atmospheric air-inlet opening.

2,199,772

TYPOGRAPHICAL COMPOSING MACHINE

George W. Allan and Albert H. Simpson, Brooklyn, N. Y., assignors to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application September 23, 1939, Serial No. 296,194
35 Claims. (Cl. 199—45)



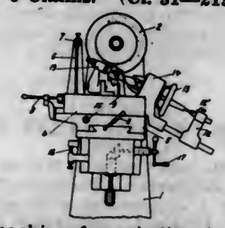
1. In a typographical machine, the combination of a plurality of superposed matrix magazines shiftable fore and aft as a unit, driving mechanism for the machine proper, and driving mechanism including a reversible source of power all distinct from and operable wholly independent of the machine drive for shifting the magazine unit in either direction.

2,199,773

MACHINE FOR SHARPENING THE POINTS OF TWIST DRILLS OR THE LIKE

Joseph Armand, Paris, France

Application November 29, 1935, Serial No. 52,171
In Germany December 5, 1934
9 Claims. (Cl. 51—219)



9. In a machine for grinding twist drills and the like, having a rotatable grinding wheel and means for supporting a drill in position for sharpening the end thereof and to provide a pointed tip on the said end; a grinding wheel truing means, a support for the said truing means adapted to position and move the truing means adjacent the peripheral working face of the grinding wheel to trim the said face perpendicularly to the plane parallel with the radial face of the grinding wheel and containing the axis of the drill in its support and in such manner as to make the said peripheral face tangent to the line of motion of the geometric center of the drill tip during the grinding operations, a second grinding wheel truing means, and a support for the said second truing means adapted to position and move the latter truing means adjacent the radial working face of the said grinding wheel to trim the latter face in a plane coinciding with the axis of a drill held in the drill supporting means and the said drill supporting means being associated with the support for at least one of the said truing means.

2,199,774

DEHYDROHALOGENATION OF ALPHA-CHLOROISOBUTYRIC ESTERS WITH ZINC AND ZINC HALIDES

Harold J. Barrett, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 3, 1937, Serial No. 134,740
10 Claims. (Cl. 260—486)

1. A process for the preparation of esters of alpha beta-unsaturated acids which comprises dehydrohalogenating, at a temperature sufficient to effect dehydrohalogenation, an alpha-hydrocarbon substituted alpha-halogenated propionic ester in the presence of a substance selected from the group consisting of zinc and zinc halides as the catalyst, substantially in accord with the equation:

$$CH_3-\underset{\displaystyle R_1}{\overset{\displaystyle X}{C}}-COOR \xrightarrow{Zn} CH_2=\underset{\displaystyle R_1}{C}-COOR+HX$$

in which X is a halogen atom, R an alkyl radical and R_1 a hydrocarbon radical.

2,199,775

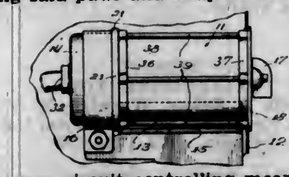
SEQUENTIAL CONTROLLER

Rex Earl Bassett, Jr., South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware

Application November 12, 1938, Serial No. 240,164
8 Claims. (Cl. 200—92)

1. In a time controlled circuit controller, the

combination including a pair of secondary supports, a shaft extending through both supports, a prime mover mounted between said supports, a cam mounted outside the inner of said supports and rotated by said prime mover, a ratchet wheel mounted on said shaft outside said inner support, a pivotally mounted pawl for imparting intermittent one way movement to said shaft, an arm pivotally mounted on said inner support mounting said pawl and adapted to be actuated



by said cam, circuit controlling means mounted on said shaft for rotation therewith, a pair of primary supports through the outer one of which said shaft extends and to which said auxiliary supports are secured, circuit controlling means on the outer side of said inner primary support in cooperative relation to said rotatable circuit controlling means, and means including prong connectors extending through said inner primary support for securing said second mentioned circuit controlling means to said support.

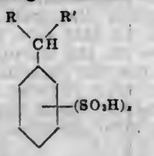
2,199,776

WATER-SOLUBLE CONDENSATION PRODUCT AND ITS MANUFACTURE

Fritz Becherer, Riehen, near Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application May 18, 1938, Serial No. 208,719. In Switzerland May 24, 1937
5 Claims. (Cl. 260—386)

1. Textile assistants, particularly adapted for use as wool reserving agents, being in the free state of the following formula



wherein

R represents the residue of a member of the group comprising aromatic and hydroaromatic hydrocarbons containing unsaturated bonds capable of being condensed with benzaldehyde sulphonic acids, and

R′ represents the residue of a member of the group above described for R with the addition of a condensible monohydric body of the benzene series.

x, being an integer from 1 to 2, being when neutralised and evaporated, colorless powders of good solubility in water, the aqueous solutions of which possess remarkable capillary properties.

2,199,777

LIQUID FUEL BURNER

Kemper P. Brace, South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill., a corporation of Illinois

Application October 6, 1937, Serial No. 167,524
3 Claims. (Cl. 158—96)

3. A burner comprising a hollow support adapted to be mounted at one end in a furnace and to have its other end arranged in the central portion of the furnace and having an upwardly directed opening at said other end, means for introducing air through said opening, a solid annular porous refractory element mounted on said support around said opening and constructed and arranged to have a large area, in proportion to its volume, exposed to the air and to the radiation of the flame resulting from the combustion of fuel and air, said element being relatively thick and having a plurality of radial air pas-



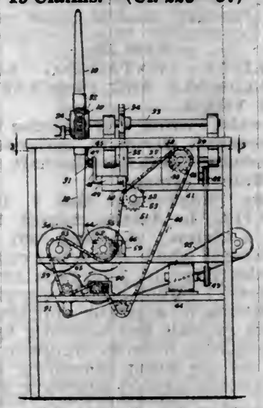
sages formed therein, a deflector plate over the top of said element constructed and arranged to deflect the air from said opening radially outwardly in contact with said element, and means for delivering liquid fuel to said element to be distributed by seepage therethrough and to be taken up by the air.

2,199,778

GLOVE PRESSING MACHINE

Louis Brownstein, Brooklyn, N. Y., assignor to Isidor Gerber, Brooklyn, N. Y.

Application March 21, 1939, Serial No. 263,125
19 Claims. (Cl. 223—57)



1. In a machine of the character described, a form for supporting either right-hand or left-hand gloves, means carried by the form for initiating the stripping of a glove therefrom, oscillatory means for pressing the glove thumb against the form, and a pair of revoluble mutilated rollers timed to receive the finger tips of a glove at the mutilated parts thereof, when said finger tips are stripped from the form by said stripping-initiating means, the unmutilated parts of said rollers completing the stripping of the glove from the form.

2,199,779

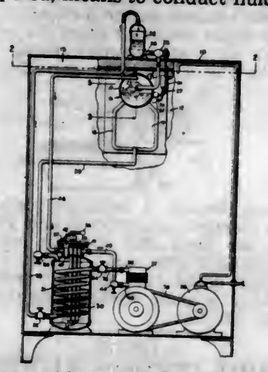
REFRIGERATION APPARATUS

Conrad R. Buchet, Los Angeles, Calif., assignor of one-half to Theodore E. Herlihy, Los Angeles, Calif., and one-half to Allen W. McDonald

Application March 21, 1938, Serial No. 197,072
10 Claims. (Cl. 62—115)

3. In a refrigerator system, a receiver tank, an evaporator unit, a compressor including an inlet and an outlet, said evaporator unit including a tank, a coil, means including said coil connecting said receiver tank and said compressor outlet, a conduit connecting said receiver tank and said evaporator tank, said conduit having a valve member interposed therein between said receiver tank and said evaporator tank to control passage therethrough, a flow control valve member inter-

posed in said conduit and disposed within said evaporator tank, an absorption tank in which said coil is disposed, means to conduct fluid from said



evaporator to said absorption tank, said last mentioned means including a valve controlled portion and means to draw fluid from said absorption tank and to return it to said coil.

2,199,780

IMIDAZOLINES CONTAINING SULPHURIC ACID RADICALS AND PROCESS OF PREPARING THEM

August Chwala, Vienna, and Edmund Waldmann, Klosterneuburg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application May 4, 1939, Serial No. 271,716. In Austria August 10, 1934
5 Claims. (Cl. 260—309)

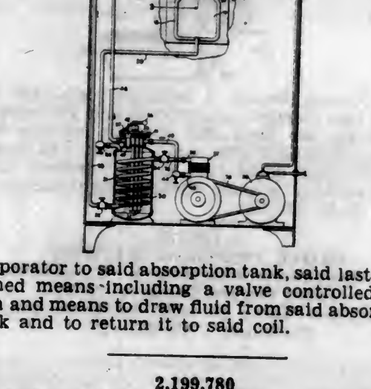
1. The process which comprises causing imidazolines substituted in 2-position by a radical having at least 7 carbon atoms selected from the group consisting of aliphatic and cycloaliphatic hydrocarbon radicals and aliphatic hydrocarbon radicals containing hydroxy groups to react with a member of the group consisting of halogen alkyl and halogen aralkyl sulphonic acids.

2,199,781

SANITARY DIAPER

Edna F. Cramer, Burlingame, Calif.

Application June 14, 1937, Serial No. 148,210
4 Claims. (Cl. 128—286)



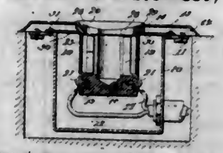
2. In a diaper, a tubular body split longitudinally from one end for a portion of the length of said tubular body to provide a seat and back for the diaper adapted to extend across the back of the wearer at the waistline, the opposite side edges of said body adjacent the waistline being cupped to accommodate the buttocks of a wearer, the other end portion being maintained in its tubular form and adapted to extend between the legs and up across the stomach, said tubular end providing a pocket for a portion of a pad to be disposed between the body of the diaper and the body of the wearer.

2,199,782

PLUG CONNECTOR

Frank J. Dekay, Warwick, N. Y.

Application November 17, 1938, Serial No. 241,073
1 Claim. (Cl. 173—330)



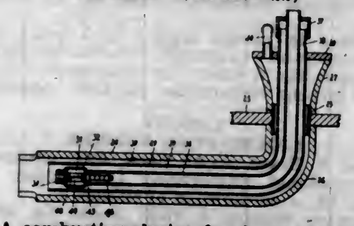
A plug connector comprising a body having an axial cylindrical opening and diametrically opposite slots communicating with the opening and opening through the outer face of the body, a shell cover telescopically engaged over the body and provided with an axial opening and diametrically opposite slots registering with the opening and slots in the body, said shell having a concave outer face, spring contacts extending longitudinally of and wholly within the slots of the body and having portions secured to the body to which conductor wires may be secured, a cap having an axially disposed stem engaged in the openings in the cover and body, and a pair of fins forming conductors extending radially from opposite sides of the stem, said fins having rounded bottom edges conforming to the contour of the concave face of the shell cover, and being adapted to ride on said face when the stem is inserted endwise in the openings of the cover and body until the fins register with the slots of the cover whereupon endwise pressure may be applied to the cap to insert the cap in the body with the fins in good electrical contact with the spring contacts.

2,199,783

COMBUSTION DEVICE

Robert Sydney Detlor, Westmount, Quebec, Canada

Application May 4, 1936, Serial No. 77,755
7 Claims. (Cl. 110—22)



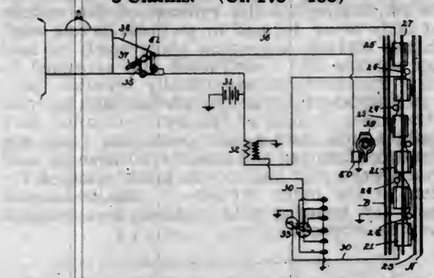
1. A combustion device for furnaces comprising a gas torch extending into the firebox above the fuel bed, said gas torch having a gas supply passage, and a thermally operable valve in the gas supply passage for regulating the flow of gas to the torch in accordance with the condition of the fire.

2,199,784

INDICATOR

James T. Dickson, Los Angeles, Calif., assignor to John D. Fredericks, Jr., Los Angeles, Calif.

Application March 10, 1937, Serial No. 130,126
3 Claims. (Cl. 175—183)



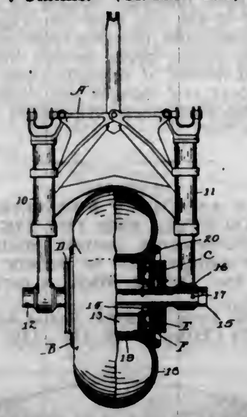
2. In combination with the ignition device of an internal combustion engine having an electrical circuit by which current impulses peculiar to the ignition device are produced in synchronism with the speed of the engine, and the transmission mechanism of a vehicle having an electrical current make and break circuit connected with and operated in synchronism with the operation of said transmission mechanism to produce current impulses peculiar to the operation of the transmission mechanism, and a frequency meter connected with said circuits and having separate sets of responsive vibrating reeds adapted to simultaneously indicate the characteristic impulses produced by either of said circuits.

2,199,785

LANDING GEAR BRAKE

James T. Dickson, Los Angeles, Calif.

Application February 8, 1939, Serial No. 255,305
7 Claims. (Cl. 188—152)



1. A brake for an airplane landing gear, comprising, a plurality of pairs of inwardly extending revoluble friction discs having means for attaching to a wheel to which braking effort is to be applied, means by which the members of all of the pairs of discs are adjusted apart, a stationary quill about which said discs are journaled, a pair of non-revoluble friction discs between each pair of revoluble discs, connected to said quill and movable longitudinally to spread into engagement with and apply braking action to said revoluble friction discs or retract out of contact therewith, and a fluid expansion cell between each pair of non-revoluble friction discs normally permitting the revoluble discs to revolve freely and when inflated to apply braking action by the stationary discs and retard the revolution of the wheel.

2,199,786

EXTRACTION OF PHENOLS

Alfred Dierichs and Hans Martini, Leverkusen-Wiesdorf, Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application October 12, 1938, Serial No. 234,622. In Germany October 14, 1937
4 Claims. (Cl. 260—627)

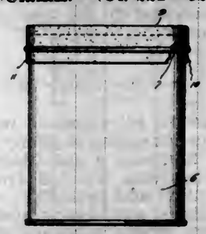
1. The extraction of phenols from their aqueous solutions by contacting the said solutions with liquid esters of carboxylic acids the boiling point of which is sufficiently below the boiling point of the phenols for allowing separation of the esters from the phenols by distillation.

2,199,787

RECEPTACLE COVER

Horace Oscar Dillard, Oakland, Calif.

Application December 27, 1938, Serial No. 247,973
4 Claims. (Cl. 221—62)



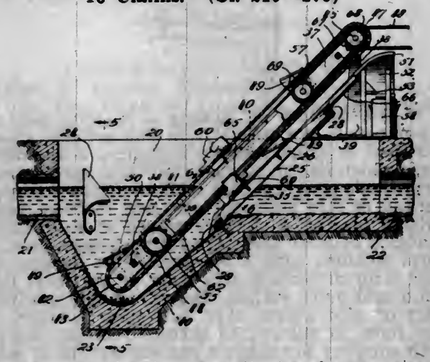
1. In a device of the character described, a resilient receptacle cover having a discharge opening in one end portion thereof, discharge control means for said discharge opening, and a supporting rib within said cover for supporting said discharge control means.

2,199,788

COMMINUTOR

Augustus C. Durdin, Jr., Chicago, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois

Application December 24, 1934, Serial No. 759,042
16 Claims. (Cl. 210—176)



1. In combination, a grit chamber, a screen

therein, a frame extending into said chamber, an elevator mounted on said frame having hoppers for lifting materials beyond the screen, a cutter bar mounted on said frame for movement in cutting relation over said screen, elevating means associated with the cutter bar for elevating material on to said screen, said hoppers, cutter bar and associated elevating means passing through a common path, and drive means for driving said elevator, cutter bar and associated elevating means simultaneously, said drive means including a drive connection between said elevator and cutter bar and the associated elevating means, said elevator, said cutter bar and associated elevating means, and said drive connection being correlated to maintain the cutter bar and associated elevating means in spaced relation to said hoppers.

2,199,789

ASSISTANTS FOR THE TEXTILE AND RELATED INDUSTRIES AND THEIR MANUFACTURE

Kurt Engel, St. Louis, France, and Kurt Pfaehler, Basel, Switzerland, assignors to the firm J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application May 18, 1938, Serial No. 208,718. In Switzerland May 29, 1937

7 Claims. (Cl. 260—511)

6. Soluble salts of desoxybenzoin-sulphonic acids, corresponding in the free state with the following formula

$$\left[\begin{array}{l} X \\ | \\ Ar{-}CH{-}CO.Ar{-} \end{array}\right] SO_3H$$

wherein Ar means an aromatic radical selected from the group consisting of phenyl and diphenyl radicals and X means a substituent with more than 5 carbon-atoms selected from the group consisting of alkyl and cycloalkyl radicals, being when neutralized and evaporated to dryness bright powders whose solutions show valuable capillary activity, exerting a very pronounced softening action on cellulosic fibres.

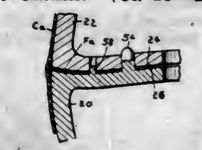
2,199,790

METHOD AND APPARATUS FOR PRODUCING RUBBER ARTICLES

Roland H. Guinzburg, Flushing, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y.

Application October 7, 1937, Serial No. 167,764

9 Claims. (Cl. 18—19)



1. The method of making a bathing cap or other pouch-like article from vulcanizable sheet material in which method is utilized a sectional form which has an outer surface and confronting surfaces on the respective sections disposed transversely of said outer surface, said method comprising placing a strip composed of said sheet material between the confronting surfaces of said form sections with a marginal edge portion of said strip projecting outwardly of the form beyond said outer surface thereof, placing another part of said article over said outer surface of the form in surface to surface relation therewith whereby to engage a surface portion of said other article part with the projecting portion of said first mentioned article part and pressing said portions together and then vulcanizing said parts to permanently unite them.

6. A form for making pouch-like articles from initially separate parts composed of vulcanizable material, comprising a body having an outer surface conforming to the contour of the article, said body being formed in sections having confronting surfaces extending transversely of said outer surface and constructed and arranged to clamp therebetween an initially separate part of said article in position substantially normal to the inner surface of the pouch-forming part of said article, and means projecting from one of said confronting surfaces for positioning said part between said surfaces in predetermined relation to the outer surface of said body, and means for securing said sections in releasable clamping relation.

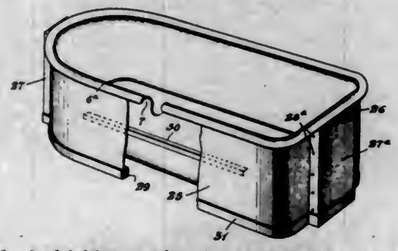
2,199,791

BATHTUB MODERNIZING SHIELD

Albert P. Gwynn, Richmond, Va.

Application June 16, 1938, Serial No. 214,117

6 Claims. (Cl. 4—173)



1. A shield or casing for modernizing bathtubs of that type having a curved rim around the top of the tub defining an annular recess, comprising panels of sheet material shaped to conform to the contour of the tub with the upper edges of said panel projecting into said recess, the opposite ends of said panels being formed with securing flanges, and means at opposite ends of the tub telescoped over said flanges and secured thereto for anchoring said sheets in position on opposite sides of the tub.

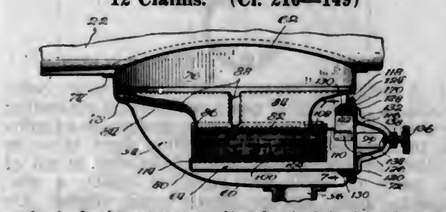
2,199,792

DRAIN ASSEMBLY FOR WASHING MACHINES AND THE LIKE

Alfred H. Haberstump, Detroit, Mich., assignor, by mesne assignments, to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware

Application June 29, 1937, Serial No. 150,945

12 Claims. (Cl. 210—149)



1. A drain screen unit adapted to be placed in a liquid outlet including in combination an imperforate shield open at its top and one end and substantially channel-shaped in section, a perforate screen substantially channel-shaped in section and having closed ends and fitting loosely

in said shield and lying substantially transverse to the flow of liquid when the unit is positioned in the liquid outlet, and means on the shield for supporting the screen therein against endwise movement with the greater portion of the area of the screen spaced a relatively short distance from the shield.

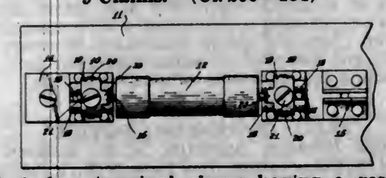
2,199,793

TERMINAL CLAMP FOR ELECTRIC FUSES, ETC.

Herman J. Hammerly, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application February 19, 1938, Serial No. 191,385

9 Claims. (Cl. 200—134)



9. A fuse terminal clamp having a resilient socket member with a bottom portion and side portions spaced apart for receiving a flat fuse blade, said socket member having side arm supports connected by arched portions to the spaced side portions, a yoke hinged to said side arm supports and a clamp screw movable axially in said yoke and adapted to engage the edge of the fuse blade and force the same against the bottom of the socket whereby the side walls of the socket are drawn toward each other to embrace the fuse blade.

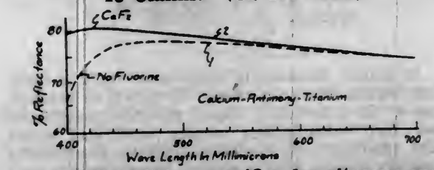
2,199,794

OPACIFIER FOR VITREOUS ENAMELS

William J. Harshaw, Shaker Heights, and William D. Stillwell, South Euclid, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

Application September 15, 1938, Serial No. 230,104

15 Claims. (Cl. 106—36.2)



1. A mill addition opacifier for vitreous enamels, the same being a calcination product and containing: CaO, Sb_2O_5, TiO_2, and CaF_2.

2,199,795

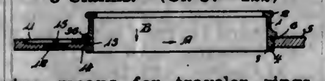
FIXING MEANS FOR TRAVELER RINGS OF RING SPINNING AND RING TWISTING MACHINES

Carl Fritz Hofmann, Siegmar-Schonau, Germany

Application May 31, 1938, Serial No. 211,061

In Germany January 24, 1938

8 Claims. (Cl. 57—122)



1. Fixing means for traveler rings of ring spinning and ring twisting machines, mounted in borings in a ring bar, comprising in combination a round adjustable clamping disc projecting into the boring in the ring bar, a vertical screw screwed into said ring bar for adjusting the clamping disc, and a traveler ring with a recess in which engages said clamping disc, inclined surfaces between the head of said screw and said clamping disc and inclined surfaces between said clamping disc and the traveler ring, of which the former, when said screw is tightened up, centres the clamping disc in such a way that it is forced with its edge into the boring in the ring bar and into the recess in the traveler ring.

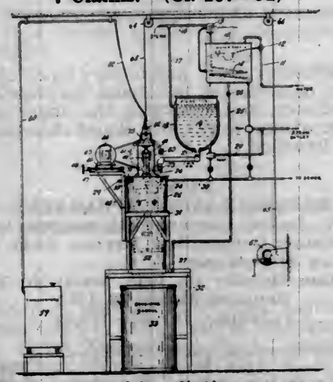
2,199,796

METHOD OF IRRADIATING CREAMS AND APPARATUS THEREFOR

Chandler Holt, Rochester, N. Y., assignor to Bourjois, Inc., New York, N. Y., a corporation of New York

Application January 6, 1938, Serial No. 183,574

7 Claims. (Cl. 167—91)



1. The method of irradiating a cream base by producing active oxygen from the peroxidic bodies contained therein, which comprises heating the base to a temperature of approximately 180° F., flowing the base onto a revolving disc effective to cause the drops thrown therefrom to impinge upon a rough surface from which they trickle in a thin uniform film of approximately 1.5 m. in thickness over an area in proximity, and so as to be exposed, to ultra-violet light radiation from a quartz mercury vapor lamp in an atmosphere of a temperature of below 200° F., while the base in such thin film passes over a tapered conical plane surface, and then removing the base from such tapered surface.

2,199,797

PURIFICATION OF CHLORINE

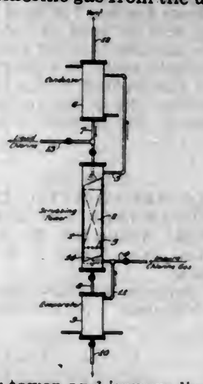
Ralph M. Hunter, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application September 13, 1937, Serial No. 163,547

1 Claim. (Cl. 62—175.5)

The process of removing the organic impurities from impure chlorine gas containing less than about 1 per cent by weight of such impurities, which comprises introducing the impure chlorine gas into the base of a scrubbing tower below the level of the impure liquid chlorine therein collected in a later step, permitting the chlorine gas to bubble through the said impure liquid chlorine and ascend in the tower against a downward flow of a relatively small amount of pure liquid chlorine produced in a later step and introduced into the upper portion of the said scrubbing tower

whereby the organic impurities are absorbed by the liquid chlorine forming an impure liquid chlorine which collects in the base of the said scrubbing tower for use in the first step, withdrawing the so-treated chlorine gas from the upper portion



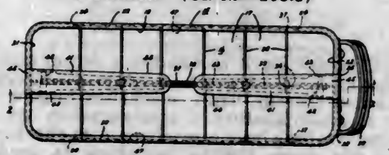
of the scrubbing tower and impure liquid chlorine from the base thereof, liquefying the chlorine gas so withdrawn, and supplying the upper portion of the scrubbing tower with liquid chlorine from that so liquefied.

2,199,798

REFRIGERATING APPARATUS

James W. Jacobs, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application October 13, 1938, Serial No. 234,810
Renewed August 28, 1939
9 Claims. (Cl. 62—108.5)



1. A freezing unit adapted to be placed in or on a cooling element of a refrigerating system comprising in combination, a tray, a unitary grid structure removably disposed in said tray, said grid structure including a longitudinal member and a plurality of pairs of members extending laterally therefrom, said pairs of members being spaced apart along the length of said longitudinal member and forming therewith a plurality of walls dividing the interior of said tray into longitudinal rows of ice block compartments, each member of said plurality of pairs thereof being mounted upon said longitudinal member for movement relative thereto and relative to one another, each member of said plurality of pairs thereof having a portion extending outwardly beyond its main body portion and adapted to engage said tray, means on said tray for receiving said outwardly extending portions of said plurality of members for maintaining said members of said unitary removable grid structure in a normal ice block-forming position within the tray, means for applying force between said tray and said unitary grid structure to elevate the grid together with ice blocks adhering thereto relative to the tray to break an ice bond therebetween, and said outwardly extending portions of said plurality of members cooperating with said means on said tray to provide an obstruction to elevation of said grid structure beyond said ice bond breaking position of elevation thereof to thereby resolve the first mentioned force into a force acting upon each of the members of said pairs thereof to move same relative to one another out of their normal ice block-forming position for liberating ice blocks from the ice compartment walls of said unitary grid structure.

2,199,799

ADDITION PRODUCTS OF THIOPHENOLS AND ACRYLIC ACID ESTERS

Ralph A. Jacobson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 9, 1937, Serial No. 129,841
12 Claims. (Cl. 260—470)

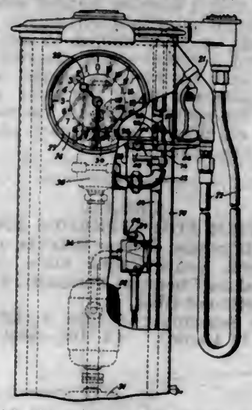
1. A process for the preparation of aryl thioethers of aliphatic carboxylic acid esters which comprises reacting a thiophenol with a compound selected from the group consisting of esters of acrylic and esters of an alpha-alkacrylic acid, by subjecting the reactants to light radiations.

2,199,800

FLUID DISPENSING DEVICE

Bjornulf Johnsen, Brooklyn, N. Y., assignor to L. N. S. Corporation, New York, N. Y., a corporation of Delaware

Application December 16, 1932, Serial No. 647,595
9 Claims. (Cl. 221—95)



1. In liquid dispensing apparatus having indicating means the movement of which is proportional to the amount of liquid passed through the meter, flow establishing means, electrical power means therefor, an electrical circuit comprising the power means and a switch, a movable nozzle support, the combination of means to actuate the switch, operative connections between the nozzle support and the switch actuating means movable between operative and inoperative positions, means to latch said operative connections in inoperative position, means to return the indicating means to initial position, means movable synchronously with the indicating means and means actuated thereby to move the latch to releasing position.

2,199,801

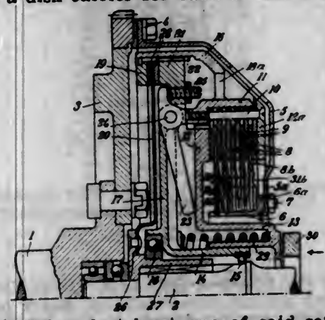
MULTIPLE DISK FRICTION DEVICE

Hans Kattwinkel, Radebeul, Germany

Application April 11, 1938, Serial No. 201,462
In Germany April 12, 1937
14 Claims. (Cl. 192—69)

1. In a multiple disk friction device, more particularly for automobile vehicles, comprising two parts rotatable relatively to each other and

adapted to be stopped relatively to each other by means of friction: two sets of friction disks, each of said sets comprising a plurality of friction disks, one of said sets being associated to one of the parts of said device, the other one of said sets being associated to the other part of said device, a disk carrier for each of said sets, some



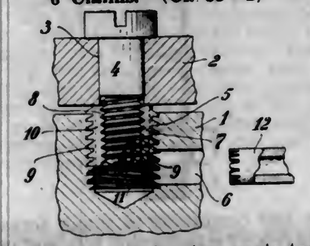
friction disks of at least one of said sets being directly connected with their carrier, the remaining friction disks being connected through the medium of intermediate means, which are yielding in an axial direction but are practically unyielding in the peripheral direction, to the friction disks directly connected with their carrier.

2,199,802

ADJUSTING DEVICE FOR ADJACENT PARTS OF MACHINERY

Ernst Leitz, Jr., and Rudolf Noack, Wetzlar, Germany, assignors to Ernst Leitz, G. m. b. H., Wetzlar, Germany

Application November 21, 1939, Serial No. 305,484
In Germany October 7, 1938
6 Claims. (Cl. 85—1)



2. A device for securing two parts together in juxtaposed relation, comprising a screw extending through one of the parts, a sleeve-like part threaded into engagement with the other part, one of the two last-named parts having threads to engage the threads of the screw, said sleeve-like part having its outer end engaged with the inner face of the first-named part, and means for moving the sleeve-like part and screw axially to adjust the position of the sleeve-like part whereby to adjust the space between the confronting faces of the two parts to be secured together, said means including gearing on the sleeve and a key engaging the gearing to move the sleeve to adjust the space between two parts to be secured together.

2,199,803

RESIN BONDED ELECTRIC RESISTOR

Donald W. Light, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application April 27, 1939, Serial No. 270,315
5 Claims. (Cl. 201—76)

1. A heat and pressure molded electric resistor of substantial thickness in cross section comprising an intimate mixture of a conducting material and a thermosetting binder containing a sufficiently large proportion of an aminotriazine-aldehyde condensation product to insure a quick cure and to impart a high degree of stability and heat resistance thereto.



2,199,804

VITREOUS ENAMELED ARTICLE

Archer L. Matthes, Youngstown, Ohio

No Drawing. Application August 10, 1938, Serial No. 224,115
3 Claims. (Cl. 91—73)

3. A vitreous enameled article embodying a ferrous base formed of an alloy comprising approximately:

	Per cent
Carbon	0.03
Manganese	0.10
Sulfur	0.025
Silicon	0.007
Nickel	2.00
Copper	1.00

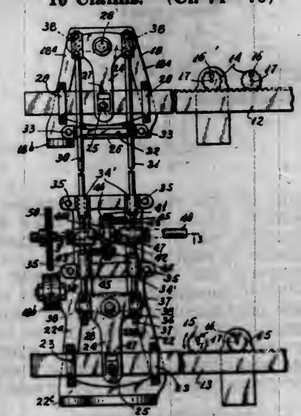
with iron including impurities to make 100% and having a continuous fused enamel coating on its surface.

2,199,805

MECHANICAL MOVEMENT FOR CHENILLE, EMBROIDERY, AND OTHER MACHINES

Konrad Meier, Guttenberg, N. J., assignor to Humbert Darista, New York, N. Y.

Application October 20, 1939, Serial No. 300,346
10 Claims. (Cl. 74—76)



1. A mechanical movement for chenille, embroidery and the like machines, comprising an upper horizontal rack bar and the lower horizontal bar for reciprocating and turning a top gang of gears and a bottom gang of gears, a top bracket horizontally and slidably supporting said upper rack bar, a bottom bracket horizontally and slidably supporting said lower rack bar, a T-shaped member pivotally mounted at the center of its horizontal arm on each of said brackets, means for the vertical arm of each T-shaped member for connecting it with the adjacent rack

bar to reciprocate the rack bar as the T-shaped member is oscillated, a pair of vertical rods in line with the ends of the horizontal arms of said T-shaped members and slidably mounted, means for the vertical rods for connecting them with the adjacent ends of the horizontal arms to oscillate the T-shaped members when reciprocated in opposite directions, a rotatively mounted shaft at right angles to said vertical rods, a disc mounted on said shaft and located between said vertical rods, eccentric members mounted on said disc, abutment members for the eccentric members and mounted on said vertical rods, and means for rotating said shaft.

2,199,806

WETTING, CLEANING, AND EMULSIFYING AGENT

Robert W. Mitchell, Westfield, N. J., assignor to Magnus Chemical Company, Garwood, N. J., a corporation of New York

No Drawing. Application January 23, 1936, Serial No. 60,455

10 Claims. (Cl. 260—505)

1. A wetting agent consisting essentially of the reaction product obtained when an aryl compound of the class consisting of naphthalene and diphenyl and an olefin of at least four carbon atoms per molecule in the proportions of two mols of the aryl compound to one mol of the olefin, are mixed together in the presence of monosulphuric and fuming sulphuric acids.

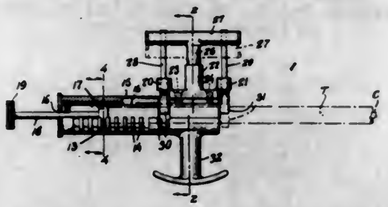
2,199,807

GLASS TUBE CUTTER

Francisco Elias de Godoy Moreira, S. Paulo, Brazil

Application October 28, 1938, Serial No. 237,441

4 Claims. (Cl. 49—52)



1. A device of the character described comprising a hollow casing having an open end for the introduction of a glass tube therein, a plunger slidable in said casing so as to vary the distance between the open end of said casing and said plunger, means to restrain said plunger from slidable movement in a predetermined position, a glass cutter mounted on the floor of said casing between the open end thereof and said plunger and adjustable gripping means for pressing the glass tube against said glass cutter.

2,199,808

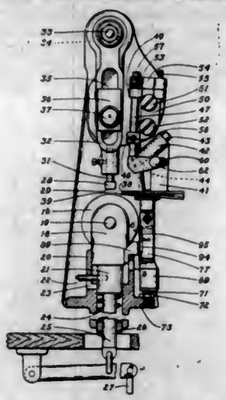
PLEATING MACHINE

Walter P. Osgood, Malden, Mass.

Application June 16, 1939, Serial No. 279,382

12 Claims. (Cl. 12—51)

1. In a pleating machine, the combination with a roll work support and a pair of pleating fingers having the toes thereof arranged in a predetermined spaced relationship to the longitudinal median line of the work support, of means permitting the reversal of the pleating fingers laterally into different positions in which the original predetermined relationship of the



toes of the pleating fingers to the longitudinal median line of the work support is maintained.

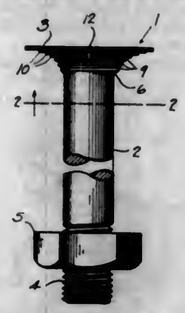
2,199,809

BOLT HEAD CONSTRUCTION

Robert I. Pigott, Seattle, Wash., assignor to Pacific Coast Forge Company, Seattle, Wash., a corporation of Washington

Application February 15, 1938, Serial No. 190,602

1 Claim. (Cl. 85—9)



A wood bolt comprising a shank threaded at one end to receive a tightening nut, and having a head formed thereon at its opposite end; said head being relatively thin at its periphery and formed with a flat top surface and having an annular concaved bearing surface about the shank extending from the thin peripheral edge below the plane thereof and merging into the shank in an inwardly curved fillet; said bearing surface being formed with a continuous, spirally directed, V-shaped rib of substantial width and relatively shallow depth, and adapted to be pressed into the surface of a wood piece without breaking the grain of the wood, by the tightening of the bolt head thereagainst.

2,199,810

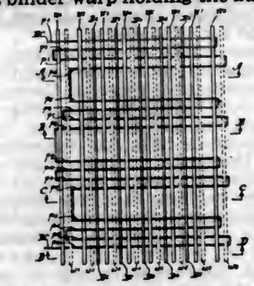
WOVEN RESISTOR

Raymond E. Tarpley, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 23, 1936, Serial No. 107,139

20 Claims. (Cl. 201—63)

1. A woven resistor having inappreciable reactance and comprising a plurality of warps, resistance wire woven thereon to form a multi-layer web, and a binder warp holding the adjacent picks



of resistance wire in the different layers in relatively fixed positions.

2,199,811

PROCESS OF MAKING A TOP LIFT SLAB

William Wood, Jr., Vancouver, British Columbia, Canada

Application November 26, 1937, Serial No. 176,497

1 Claim. (Cl. 154—2)



A step in the process of preparing a vulcanized fibre board for bonding to rubber, which comprises assembling an even number of sheets of paper of substantially the same properties on both faces of a sheet of paper which is harder and less porous than the other sheets, subjecting the composite to a vulcanizing solution whereby during vulcanization said harder and less porous sheet absorbs less of the vulcanizing solution than the other sheets and is relatively softer than the other sheets after vulcanization of the board, calendering the so-treated sheets into a composite slab, and splitting said slab longitudinally in a plane passing through said softer, less vulcanized sheet to provide two substantially equal pieces having one smooth face and one which is porous and uneven.

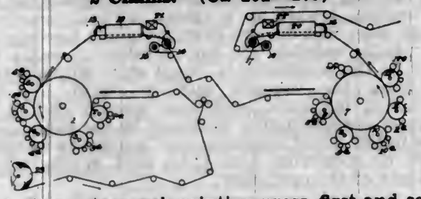
2,199,812

ROTARY WEB PRINTING PRESS

Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Application June 6, 1939, Serial No. 277,570

2 Claims. (Cl. 101—179)



1. In a rotary web printing press, first and second printing units, each printing unit comprising an impression cylinder and form cylinders, and means for drying the web after it leaves the first printing unit, the diameters of the impression and form cylinders of the second printing unit being slightly less than the diameters of the corresponding impression and form cylinders of the first printing unit.

2,199,813

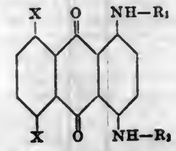
AMINOANTHRAQUINONES

Fritz Baumann and Heinz-Werner Schwechten, Leverkusen, and Artur Krause and Robert Zell, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application December 17, 1937, Serial No. 180,318. In Germany December 23, 1936

3 Claims. (Cl. 260—379)

1. An anthraquinone derivative of the general formula



wherein R_1 stands for a monohydroxyalkyl group and R_2 for a polyhydroxyalkyl group, and wherein X stands for a member selected from the class consisting of hydrogen and the hydroxyl group.

2,199,814

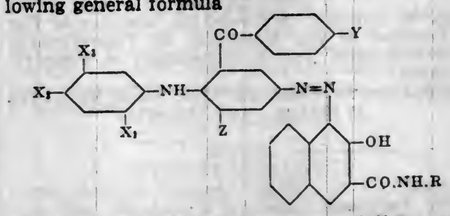
AZO DYESTUFFS INSOLUBLE IN WATER AND FIBER DYED THEREWITH

Walter Bröker, Offenbach-on-the-Main, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application December 23, 1938, Serial No. 247,407. In Germany December 24, 1937

10 Claims. (Cl. 260—203)

1. The water-insoluble azo dyestuffs of the following general formula



wherein X_1 stands for a member of the group consisting of hydrogen and alkoxy, X_2 for a member of the group consisting of hydrogen, alkoxy, halogen and benzyloxy, X_3 for a member of the group consisting of hydrogen and methyl, at least one X being hydrogen, Y stands for a member of the group consisting of hydrogen, alkoxy, methyl and dialkylamino, Z for a member of the group consisting of hydrogen and methyl, and R means a member of the group consisting of radicals of the benzene and naphthalene series, yielding, when produced on the fiber, black dyeings of good fastness properties, particularly of very good fastness to washing, and of great tinctorial strength.

2,199,815

APPARATUS FOR THE TREATMENT OF BIOLOGICALLY ACTIVE PRODUCTS

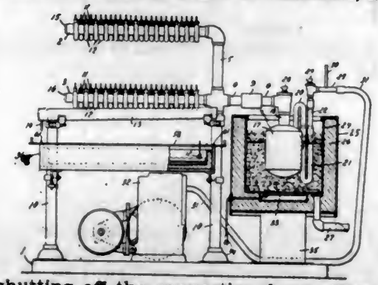
Earl W. Flosdorf, Ardmore, Pa., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania

Application December 12, 1935, Serial No. 54,149

6 Claims. (Cl. 34—3)

6. Apparatus for the continuous dehydration of frozen biological material under a high vac-

uum of a fraction of a millimeter of mercury and in a large number of individual containers, said apparatus comprising a plurality of chambers, each having means for communication with a number of individual containers, a main condensing system and vacuum pump, an auxiliary condensing system and vacuum pump, connections from both the main system and the auxiliary system to said plurality of chambers, means



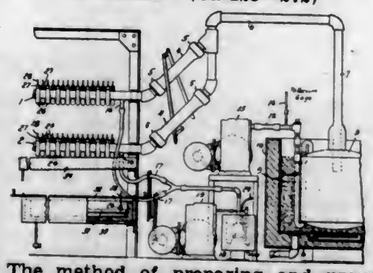
for shutting off the connection from either system to any of the chambers whereby any chamber can be connected to either system or both systems or disconnected therefrom, thereby permitting communication of a number of containers of frozen material with a condensing system and removal of containers of finished material without interfering with the continuous dehydration of frozen material in other containers communicating with other chambers.

2,199,816

PRESERVATION OF BIOLOGICALLY ACTIVE SUBSTANCES

Earl W. Flosdorf, Ardmore, Pa., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania

Application December 12, 1935, Serial No. 54,148
17 Claims. (Cl. 128—272)



1. The method of preparing and preserving biological substances which comprises introducing biological substances in a liquid state into a final container adapted for the distribution and retention of the product, freezing the material to convert it into a solid frozen condition, dehydrating the product from its frozen state without melting thereof under a high vacuum and sealing the resulting dried product in such container while under such high vacuum and without destroying the vacuum, whereby the dried product is sealed under the original vacuum for storage and keeping purposes and until it is to be restored for use, and whereby asepsis is maintained during the processing and storage of the material and deterioration and contamination are prevented.

7. The method of restoring dry or lyophilic biological substances to a liquid state which comprises adding water to the evacuated container containing the product produced as described in claim 1 without destroying the vacuum before the water is added for the restoration.

10. As a new article of manufacture, a sealed evacuated container containing lyophilic biologically active substances produced therein and resulting from and having the properties of products produced by rapidly freezing the liquid biological substance to a low temperature and dehydrating the frozen product without melting under a high vacuum, said evacuated container containing the lyophilic material uncontaminated by moisture, micro-organisms and other substances at any time after the freezing of the material and the sealing of the product under a vacuum, said container having a perforable stopper and a protruding flame-sealed tubular member of glass having a low coefficient of thermal expansion of the order of that of Pyrex glass communicating with the interior thereof.

17. A container for desiccated biologically active substances in the form of a glass bottle or vessel having a neck, a rubber stopper in said neck, a fixed glass tubular extension extending from said bottle or vessel, said tubular extension being sealed at the end protruding from said bottle or vessel, said container being evacuated and containing biologically active substances.

2,199,817

PRESERVATION OF BIOLOGICALLY ACTIVE SUBSTANCES

Earl W. Flosdorf, Ardmore, Pa., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania

Original application December 12, 1935, Serial No. 54,148. Divided and this application October 17, 1936, Serial No. 106,105
3 Claims. (Cl. 128—272)



1. As a new article of manufacture, a sealed evacuated container containing a solid, dry or lyophilic biologically active substance, said container having a neck and a tightly fitting rubber stopper closure for said neck to maintain the vacuum therein, said closure for said neck having an opening therethrough and an integral tubular extension, sealed by a clamp with a vacuum-tight seal, said closure permitting the passage of a tubular member for the addition of water to restore the product to a liquid state without destroying the vacuum, and the solid, dry or lyophilic biological substance therein having a volume corresponding generally to the volume of the initial liquid substance and occupying around half or somewhat less than half of the total volume of the container.

2,199,818

TRICK DEVICE

Kenneth S. Franke, New York, N. Y.

Application February 3, 1940, Serial No. 317,045
6 Claims. (Cl. 272—8)

1. A trick device comprising a block member having the outward appearance of a substantially unitary mass and having upper and lower surfaces, a coin-like object formed at least partially of magnetic material and means for causing



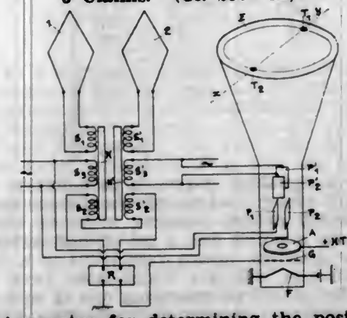
said object to adhere to the under surface of said member comprising a magnet concealed in said block member in closer proximity to the under surface than to the upper surface.

2,199,819

AERIAL NAVIGATION MEANS

Jean Baptiste Paul Henri Galle, Sceaux, France, assignor to Société Anonyme: Jaeger-Aviation, Levallois-Perret (Seine), France

Application July 23, 1937, Serial No. 155,175
In Belgium July 29, 1936
3 Claims. (Cl. 250—11)



1. Apparatus for determining the position of a movable craft with respect to a group of spaced stations located at predetermined points on either side along the path of travel of said craft, comprising radioelectric transmitters individually disposed at said stations and a radioelectric receiving device upon said craft, including a pair of similar self-induction coils, a pair of spaced receiving loops individually connected to said coils, two high frequency iron cores in said coils, two additional self-induction coils individually coupled inductively to the first mentioned coils by means of said iron cores, a radioelectric receiver having the input circuit thereof connected in series with said additional coils, modulating means individually associated in fixed relation with said cores and adapted to have alternating currents fed thereto so as to be out of phase with respect to each other, and a cathodic oscillograph having an anode at high positive potential, a heated filament, a grid connected to the output of said receiver, two pairs of spaced plates arranged with one pair rotated 90° with respect to the plates of the other pair, one pair being connected to one modulating means and the other connected to the other modulating means, and a fluorescent screen receiving a cathodic beam as deflected by said plates.

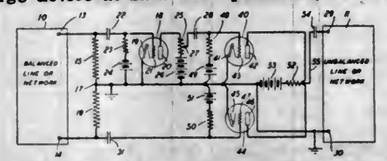
2,199,820

COUPLING CIRCUITS

Danforth K. Gannett, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 30, 1937, Serial No. 171,917
1 Claim. (Cl. 178—44)

In a high frequency transmission system, a first circuit terminating in a shunt impedance the effective central point of which is maintained at a fixed potential and which has two external terminals, a second circuit, one terminal of which is maintained at said fixed potential and the second terminal of which is free to vary in potential, and means coupling said circuits in energy transfer relation, said coupling means comprising an electron discharge device having an anode, a cathode and a control electrode, means for connecting the control electrode of said electron discharge device to one external terminal of said first circuit, means for maintaining the cathode of said device at said fixed potential, a second electron discharge device having an anode, a cathode and a control electrode, means for maintaining the cathode of said second electron discharge device at said fixed potential, means for



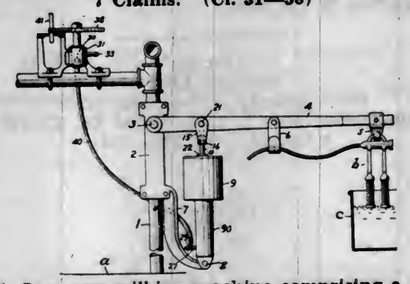
connecting the control electrode of said second electron discharge device to the anode of the first electron discharge device, a third electron discharge device having an anode, a cathode and a control electrode, means for connecting the control electrode of said third electron discharge device to the other external terminal of said first circuit, means for maintaining the cathode of said third electron discharge device at said fixed potential, means for connecting the anode of said second and third electron discharge devices to the terminal of said second circuit which is free to vary, the gain of the third electron discharge device being equal to the total gain of the first and second electron discharge devices, and adjustable means in circuit with said discharge devices adapted to compensate for any inequality in said gains.

2,199,821

MILKING APPARATUS

Cyrus Howard Hapgood, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application March 16, 1939, Serial No. 262,142
7 Claims. (Cl. 31—58)



1. In a cow milking machine comprising a rotatable platform adapted to carry cows to be successively milked, a stationary washing tank and a teat cup carrier carried by the platform and movable preparatory and subsequent to the teat cup washing operation, the combination, with a cylinder carried by the platform and a piston in the cylinder connected with and adapted to actuate the teat cup carrier, of means to move the piston in opposite directions at intervals to thereby raise the teat cup carrier and hold

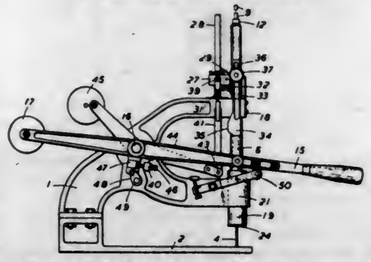
it in its upper position and alternately therewith lower the teat cup carrier and hold it in its lower position, said means comprising mechanism adapted to effect the connection of the cylinder on one side of the piston alternately with the atmosphere and with vacuum, and actuators engageable by said mechanism in the rotation of the platform and adapted to actuate said mechanism.

2,199,822

APPARATUS FOR MARKING LEATHER, TEXTILE, OR PAPER FABRICS, OR OTHER SUITABLE MATERIAL

William John Hill, Redland, England

Application February 16, 1939, Serial No. 256,693
In Great Britain February 17, 1938
2 Claims. (Cl. 101—26)



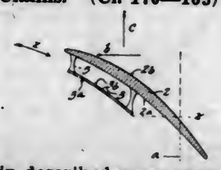
1. Apparatus for simultaneously marking a predetermined point on a plurality of layers of material comprising a hollow needle supported at one end of the cylindrical member, a marking wire extending through said hollow needle, lever mechanism for reciprocating said cylindrical member to force said needle together with said marking wire into said layers of material, said marking wire being disposed within said tubular member, means for reciprocating said marking wire and releasable latching mechanism to hold said marking wire in position within and in contact with said layers upon the return movement of said hollow needle, and means urging said wire into retracted position within said needle and restrained from action by said latching mechanism, and means acting to release said latching mechanism upon completion of the return movement of the needle and thereby releasing the last mentioned means for effecting retraction of the wire.

2,199,823

PROPELLER

Peter Kessery, Hawthorne, N. J.

Application May 2, 1939, Serial No. 271,270
4 Claims. (Cl. 170—165)



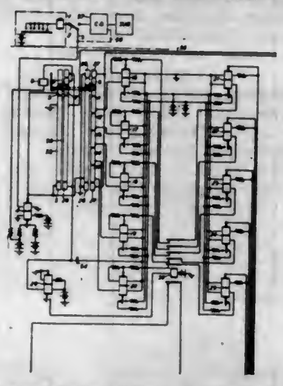
1. The herein described screw propeller including main and auxiliary blades existing pitched bodily on the same hand and to approximately the same degree relatively to the propeller axis and the auxiliary blade having the leading radially extending segment of its rear face pitched less abruptly than the remaining radially extending segment of such face, the auxiliary blade being abaft and having its width approximately one-half that of the main blade and having its leading margin substantially coincident with the leading edge of the main blade.

2,199,824

SIGNALING SYSTEM

Fullerton S. Kinkead, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 7, 1938, Serial No. 200,666
2 Claims. (Cl. 177—353)



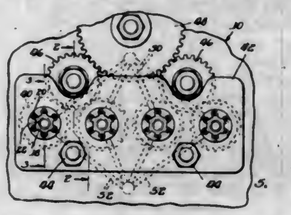
1. In a signaling system, a permutation code sender, a switch comprising coordinate sets of permanently paired contacts, a set of vertical coordinate magnets and a set of horizontal coordinate magnets, means responsive to a single train of code impulses transmitted from said sender for selectively operating one of each said set of magnets for selectively operating a single set of said permanently paired contacts, a composite character forming device comprising means for selectively adding together common character forming elements and means for subtracting parts from said common character forming elements and means selectively controlled by said sets of permanently paired contacts for operating said adding and subtracting means in various combinations.

2,199,825

EXTRUSION DEVICE

Frank P. Kretchmer, Chicago, Ill.

Application September 18, 1937, Serial No. 164,506
6 Claims. (Cl. 107—14)



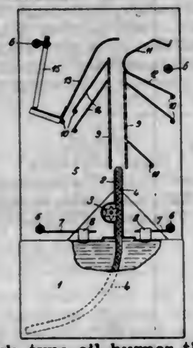
1. An extrusion device comprising an extrusion die having an annular extrusion aperture therein, a second annular aperture offset from said first mentioned aperture but continuous therewith, means for rotating said die as a unit to produce a twist, means for supplying a plastic to said apertures, and conduit means centrally of each of said apertures for supplying centrally of the extruded plastic a filling material.

2,199,826

MEANS FOR PROMOTING COMBUSTION IN OIL BURNING APPLIANCES

Charles Scott-Snell, Kingsbridge, Devon, England, assignor of one-half to Maud Lilian Davys, London, England

Application November 8, 1937, Serial No. 173,331
In Great Britain November 6, 1936
7 Claims. (Cl. 158—88)



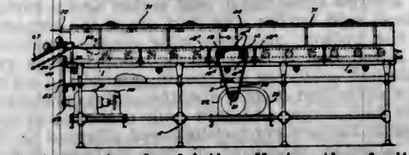
1. In a wick type oil burner the combination of a wick tube having two principal parallel walls, a mixture chamber above and co-axial with said tube having two principal perforated walls parallel with the walls of the wick tube, an imperforate flame plate contiguous with one principal wall of said chamber and inclining away from the other, and a deflector beside said other wall of said chamber slanting upward and towards the flame plate.

2,199,827

APPARATUS FOR RUBBING OR BRUSHING FRUIT AND THE LIKE

Bronson C. Skinner, Dunedin, Fla., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida

Application August 4, 1937, Serial No. 157,389
11 Claims. (Cl. 146—202)



1. Apparatus for frictionally treating fruit and similar globular articles which comprises a series of spaced frictioning cylinders, each rotatable about a stationary axis, said cylinders being spaced apart so that a single fruit cannot make contact simultaneously with any two cylinders, means for rotating said cylinders in the same direction tending to advance the articles toward the discharge end of the apparatus, fruit transfer units bridging the space between successive cylinders, each unit comprising vertically oscillating non-rotating means for delivering fruit across the succeeding cylinder including, a fruit-supporting table associated with the preceding cylinder and extending forwardly and upwardly from the advance face thereof in position to form with said face a fruit-supporting trough during delivery of fruit across the preceding cylinder and during a succeeding frictioning period, means supporting the table for tilting movement forwardly and downwardly into fruit-transferring register with the delivering means in lower position, and actuating means for cyclically shifting the delivering means and the table downwardly into transfer position and back to upper supporting and delivery position during a period not longer than the dwell of the delivering means and table in said upper position.

2,199,828

PROCESS FOR STABILIZING ORGANIC HEAVY METAL SALTS

Mihai Bogdan, Ploesti, Rumania, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 3, 1938, Serial No. 205,757. In the Netherlands May 13, 1937
5 Claims. (Cl. 23—250)

1. In a process for inhibiting discoloration of a salt of a heavy metal and an organic acid selected from the group consisting of aliphatic and alicyclic monocarboxylic acids containing at least 7 carbon atoms, the step comprising finely distributing throughout said salt an anti-oxidant selected from the group consisting of o-phenylene diamine, p-phenylene diamine, o-amino phenol, p-amino phenol, benzyl amino p-phenol, 1–2 naphthylene diamine, 1–4 naphthylene diamine, 1–5 naphthylene diamine, 1–7 naphthylene diamine, 1–8 naphthylene diamine, 1–2 amino naphthol, 1–4 amino naphthol, 1–5 amino naphthol, 1–7 amino naphthol, and 1–8 amino naphthol, in an amount of 0.02 to 2% by weight of said acid.

2,199,829

PROCESS FOR STABILIZING ORGANIC HEAVY METAL SALTS

Mihai Bogdan, Ploesti, Rumania, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Original application May 3, 1938, Serial No. 205,757. Divided and this application October 7, 1939, Serial No. 298,468. In the Netherlands May 13, 1937
5 Claims. (Cl. 23—250)

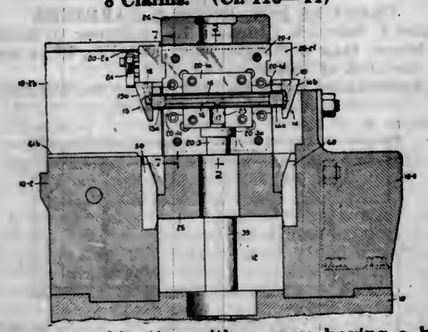
1. In the process for inhibiting discoloration of a salt of a heavy metal and an organic acid selected from the group consisting of aliphatic and alicyclic monocarboxylic acids containing at least seven carbon atoms, the step comprising distributing in an extremely finely divided form an amount of a wood tar fraction boiling above 240° C., said amount being between .02 and 2% by weight of the acid in said metal salt.

2,199,830

PUNCH, DIE, AND PRESS ASSEMBLY

Edward S. Cornell, Jr., Larchmont, N. Y.

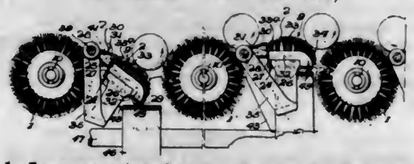
Application January 24, 1939, Serial No. 252,514
8 Claims. (Cl. 113—44)



1. In combination with a press having a bed

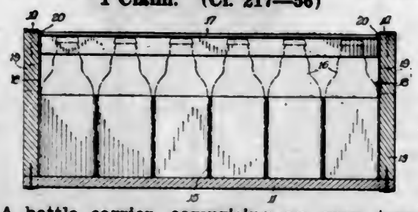
and a ram, a die holder disposed between said bed and said ram; a split die slidably mounted in said die holder; punch means operable within the recesses of said split die and having wedge-shaped head means protruding from said split die; guideway means associated with said bed for cooperation with said wedge-shaped head means of the punch means, during the pressure stroke of the ram, in the accomplishing of a forming operation within the recesses of said split die; movable wedge means associated with said split die; means anchored to said bed for moving said movable wedge means during the pressure stroke of said ram, and for thereby tightly closing said split die, and for retracting said movable means during the return stroke of said ram.

2,199,831
APPARATUS FOR RUBBING OR BRUSHING FRUIT AND THE LIKE
Thomas George Cunning, Upland, Calif., assignor to Brogdex Company, Pomona, Calif., a corporation of Florida
Application March 23, 1936, Serial No. 70,523
23 Claims. (Cl. 146—202)



1. In apparatus for rubbing or brushing fruit or other articles of generally globular shape, a fruit-supporting-and-brushing runway formed by the upper surfaces of a plurality of rotatable brush members each rotatable about a stationary axis and a plurality of oscillatable, non-rotary gravity transfer members mounted crosswise of said runway in alternating arrangement, each transfer member being pivoted adjacent the periphery and above the axis of the preceding rotatable member, means for rotating said rotatable members in the same direction, said rotatable members acting to advance articles through said runway transversely of their axes of rotation toward a point of discharge, and each said transfer member serving as a gravity conveyer to receive articles from one rotatable member and conduct them to the next succeeding rotatable member, and means for imparting a forward and downward inclination to the effective surface of the transfer member after the articles are received thereby.

2,199,832
CLOSURE FOR BOTTLE CARRIERS
John J. Dietrick, Chicago, Ill., assignor to Rathborne, Hair & Ridgway Co., Chicago, Ill., a corporation of Illinois
Application April 21, 1938, Serial No. 203,333
1 Claim. (Cl. 217—56)



A bottle carrier, comprising an open topped wooden case adapted to receive a plurality of bottles having metallic straps nailed about the ends thereof, said ends having central openings below the top of said case, offset metallic strips nailed to the upper edges of said ends at points offset from said openings, said strips extending inwardly of said ends and being turned down and outwardly, a resilient fibrous cover member having a main portion fitting snugly within said case above bottles held therein and below the ends of said inwardly extending strips, and extensions on said main portion extending downwardly adjacent the ends and sides of said case, the extensions adjacent the ends of said case being accessible through said openings.

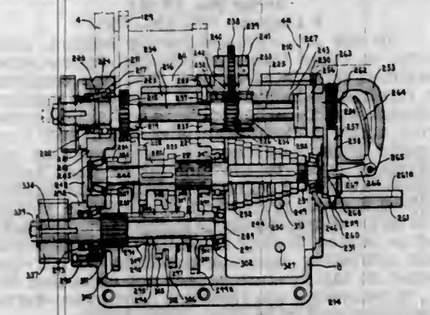
2,199,833
NAIL DRIVER
John Fleischman, Uniontown, Wash.
Application March 31, 1939, Serial No. 265,259
2 Claims. (Cl. 1—47)



1. In a nail driver, the combination of a grip shank having interior bores of different diameters, the larger bore being located in the upper portion of said shank, and a threaded boss on the lower extremity of said shank; a slidable striker rod having portions adapted to fit said interior bores, the larger of said portions being flattened along one side, and a striker head threadably secured upon the upper end of the striker rod; friction means in said shank operable upon the flattened portion of the striker rod and comprising a friction button supported in a socket in said shank permitting slidable engagement with the rod, a screw threaded in said socket and a spring between said button and said screw for tensioning the button; nail retaining means adjacent the lower end of said shank comprising a retainer ball seated in an opening therein, a screw in the outer end of said opening and a spring between said screw and said ball; a V-shaped detachable surface-contacting head adapted to fit into angular junctures of the material being nailed and having an opening registering with the bore of the shank, and a threaded collar on said head for engagement over the boss on the shank.

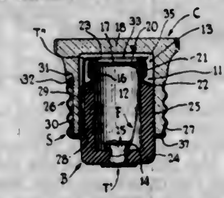
2,199,834
FEED MECHANISM FOR LATHES
William F. Groene and Willard L. Groene, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Original application October 29, 1937, Serial No. 171,760. Divided and this application January 25, 1939, Serial No. 252,796
1 Claim. (Cl. 74—333)

In a change speed transmission, an input shaft, an output shaft, change speed gearing between said shafts comprising a pinion formed on said input shaft, a small gear fixed on said input shaft, and a large gear fixed on said shaft, a compound gear rotatably journaled on said input shaft, a gear rotatably journaled on said output shaft arranged to be in constant engagement with said pinion of the input shaft, a sleeve gear rotatably journaled on said output shaft and arranged in constant mesh with a gear of said compound gear journaled on said input shaft, a compound gear slidably mounted on said sleeve gear having its gears arranged to engage the



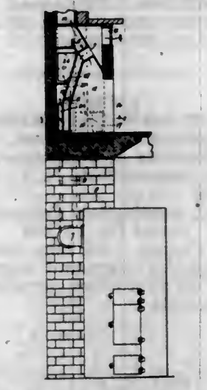
small and large gears fixed on said input shaft and having clutching means for engaging the gear rotatably mounted on said output shaft, and a gear slidably mounted in driving relationship on the output shaft arranged to alternately engage a gear of said compound gear journaled on said input shaft and the sleeve gear journaled on said output shaft.

2,199,835
PLUG FUSE
Frank C. La Mar, New York, N. Y.
Application March 11, 1937, Serial No. 130,271
3 Claims. (Cl. 200—128)



2. As a new article of manufacture, a structural member for a fuse plug of the class described; said member comprising a hollow one-piece glass casing having a body cavity, substantially cylindrical walls exteriorly threaded and having a groove intersecting the convolutions of said threads; a threaded contact terminal shell fitted upon said exterior threads, whereby said plug is adapted to be screwed into a fuse block; and a U-shaped metal connector strap having a good mechanical and electrical connection with said shell and having one shank disposed in said groove, the other shank extending within said cavity and terminating in a ring-shaped contact terminal extended across the top region of the cavity, being biased yieldingly away from the top of the casing by its inherent resiliency; said casing member constituting an entity adapted to be used an indefinite number of times by being interfitted in complemental relation with any suitable cartridge fuse member of a series suitable for such use, said cartridge fuse member being formed with a longitudinal peripheral groove in which said connector strap lies whereby the connector strap prevents unscrewing of the external shell of the casing and also prevents rotation of the fuse cartridge within the cavity of the casing.

2,199,836
AUXILIARY FIREPLACE HEATER
Thomas Mairs, Tacoma, Wash.
Application July 11, 1939, Serial No. 283,797
4 Claims. (Cl. 237—51)



1. An auxiliary heater comprising an open fireplace having metal walls; an air chamber having metal walls, at least one such wall being common to said air chamber and said open fireplace; air inlet and outlet passages to said air chamber; a flue in which hot waste gases are passing; a smoke chamber having metal walls, at least one wall of which is common to said smoke chamber and said air chamber; and passages connecting the lower and upper portions of said smoke chamber to said flue and forming inlet and outlet connections for the hot gases therein.

2,199,837
CATALYST REGENERATION
Eger V. Murphree, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 18, 1938, Serial No. 196,623
4 Claims. (Cl. 23—238)

2. A method of removing carbonaceous deposits from a contact mass which comprises passing an oxygen containing regenerating gas at a temperature sufficiently high to initiate combustion through said contact mass, maintaining during the entire period of regeneration a back pressure of at least one atmosphere gauge pressure on the gases leaving said reaction chamber, and regulating the oxygen concentration of said regenerating gas to prevent the temperature from exceeding a predetermined maximum.

2,199,838
CATALYST REGENERATION
Charles Wesley Tyson, Summit, and Charles E. Hemminger, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 13, 1937, Serial No. 158,944
4 Claims. (Cl. 23—238)

4. In the process of regenerating a solid adsorbent contact catalyst containing combustible contaminants, the improvement which comprises forcing an oxygen-containing regeneration gas through the said catalyst at an elevated inlet temperature which temperature is below the ignition temperature of the contaminants when in contact with said oxygen-containing gas in an

operation under back pressure not greater than atmospheric pressure, and maintaining a super-atmospheric back pressure on the gas during the entire regeneration process, said back pressure being sufficiently high to cause immediate ignition and combustion of the said contaminants at the said inlet temperature of said oxygen-containing regeneration gas.

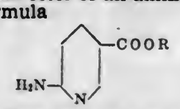
2,199,839

ESTERS OF 6-AMINO-NICOTINIC ACID

Raemer R. Renshaw, New York, and Paul F. Dreisbach, Yonkers, N. Y., assignors to Pyridium Corporation, Nepera Park, N. Y., a corporation of New York

No Drawing. Application February 28, 1938, Serial No. 193,080
9 Claims. (Cl. 260—295)

1. As a medicinal compound having anaesthetic properties, an ester of an amino-nicotinic acid having the formula



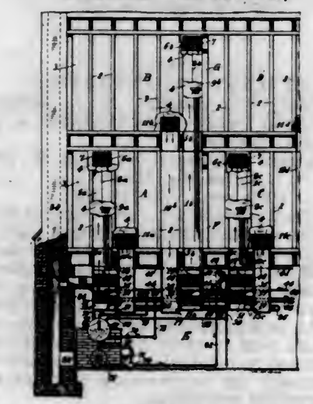
in which R is a radical of the group consisting of unsubstituted saturated alkyl and unsubstituted saturated alkyl amino alkyl.

2,199,840

HEATING SYSTEM

Ralph Royall, New York, N. Y.

Application January 14, 1939, Serial No. 250,893
5 Claims. (Cl. 237—49)



1. In a system for heating a plurality of rooms in a building; a plurality of vertically extending channel means for the ascent of heated air, one for each of said plurality of rooms; a plurality of vertically extending channel means for the descent of cooled air, one for each of said plurality of rooms; a plurality of cross-connecting ducts in the basement of the building, each of said ducts connecting the heated and cooled air channels of a corresponding room and completing a circuit for circulation and recirculation of air through the room; a plurality of heating units, one in each of said ducts for heating the air therein and inducing circulation of air through the channel means connected to said duct; a source of heat supply common to said heating units and connected thereto; and means connected to each of said heating units for controlling the amount of heat supplied thereto.

2,199,841

METHOD OF TREATING HYDROCARBON MIXTURES

Gabriel E. Rohmer Saleh, New York, N. Y., assignor of one-tenth to Carl P. Goepel, New York, N. Y.

No Drawing. Application May 21, 1935, Serial No. 22,561
2 Claims. (Cl. 196—79)

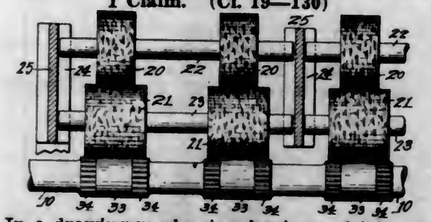
1. In the art of re-generating residua, emulsions, or other forms of colloidal hydro-carbon mixtures containing carbon, that step consisting in forming an hydro-carbon magma by mixing a colloidal hydro-carbon mixture containing carbon with added and substantially clean and finely divided ground-up charcoal in proportion substantially equal to the amount of fixed carbon contained in said colloidal hydro-carbon mixture, adding a small percentage of a nitrate alkaline salt as an activating agent to the carbon re-agent before mixing, in submitting the resultant magma and activating agent, enclosed in an air-tight vessel, to temperature ranges not exceeding 500° C., in recovering the resultant light hydro-carbon distillates and in leaving a coke residue.

2,199,842

DRAWING MECHANISM

Otto W. Schlums, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application April 11, 1938, Serial No. 201,342
1 Claim. (Cl. 19—130)



In a drawing mechanism having a driving roll with spaced operative sections and having upper and lower cushioned top rolls between which the sliver passes, the feature that the lower top rolls are wider than the upper top rolls, that the operative sections of the driving roll are substantially equal in width to the width of the lower top rolls, and that each section of the driving roll comprises a smooth middle portion corresponding in width to the width of the upper top roll and a roughened driving portion at each side of said smooth portion, said smooth and roughened portions being of substantially equal diameters and simultaneously engaging the cushioned surface of said lower top roll, that part of said lower top roll which has drawing engagement with said upper top roll being itself engaged only by the smooth middle portion of the associated driving roll section, whereby roughening of the coacting drawing surfaces is avoided.

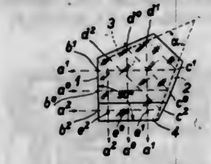
2,199,843

REFLECTING SYSTEM HAVING TWO PLANE REFLECTING SURFACES

Ulrich Schmidt, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany

Application March 8, 1938, Serial No. 194,643
In Germany March 18, 1937
1 Claim. (Cl. 88—1)

A reflecting system in the form of a pentagonal prism embodying a ray entrance surface, a ray exit surface at right angles to said entrance surface, and two reflecting surfaces intersecting a plane at right angles to said entrance surface in two straight lines including an angle of 45°, said reflecting surfaces being inclined to a line at



right angles to said plane at inversely equal angles smaller than 22½°, said exit surface being inclined to said plane at an angle of 90° less four times the angle included between each of said reflecting surfaces and last said line.

2,199,844

DOUCHE APPLIANCE

Lewis Bott Tucker, Rye, N. Y.

Application September 21, 1938, Serial No. 230,909
3 Claims. (Cl. 128—251)



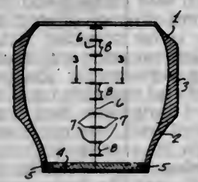
3. In an irrigating syringe, a chamber, means for positioning a medicinal lozenge in said chamber, means for positioning a soap lozenge in said chamber, and means comprising a screen adapted to foam and mix the solutions formed from liquid passing said positioned lozenges; a hose connected to said chamber, said hose carrying a flexible friction fit cap, said flexible friction fit cap being adapted to engage the nozzle of a faucet, said cap having a solid transverse marginal surface onto which the flow of water is directed, an opening in the center of the cap through which the water passes, said cap being adapted to disengage from the nozzle of the faucet when an excess of water pressure is directed against said transverse surface.

2,199,845

UTILIZATION OF DISCARDED TIRES

Frank Wolf, High Ridge, Mo.

Application March 31, 1939, Serial No. 265,182
3 Claims. (Cl. 150—50)



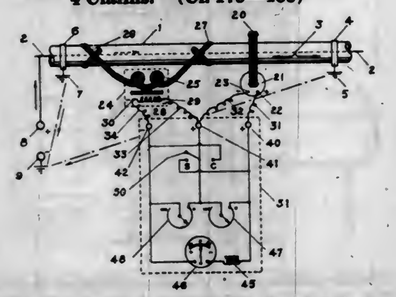
1. A method of utilizing discarded tires to produce receptacles, which consists of bending the flaps of the inner wall of a tire outwardly at the point where they join the tread of said tire, cutting a section transversely from said tire, lacing the cut edges of said tire together, softening the material of said tire at said cut edges and spreading said softened material over said cut edges and over said lacing, applying a hardening agent to said softened material, securing a floor member into the lower of said flaps near its free edge to form a receptacle, and covering the inner surface of said receptacle with a waterproofing medium.

2,199,846

TRACER CURRENT DETECTOR

Stephen W. Borden, Summit, N. J.

Original application April 2, 1938, Serial No. 199,628. Divided and this application September 22, 1939, Serial No. 296,049
4 Claims. (Cl. 175—183)



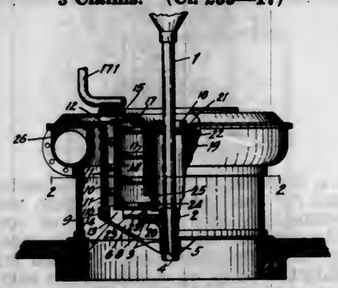
1. Tracer current equipment for tracing current in a conductor enclosed in a lead sheath which includes a meter connected between two binding posts, as 40 and 42; a third post, as 41; a rheostat connected between 40 and 41, a rheostat connected between 41 and 42, and a switch for selectively short-circuiting either posts 40 and 41 or 41 and 42, a conductor pickup coil, as 21 mounted upon an iron core which encircles the sheath; a transformer having a primary winding for shunting across a length of the sheath and a secondary winding, as 28, together with interconnecting leads for connecting post 40 to a selected end of winding 21, for connecting post 42 to a selected end of winding 28, and for connecting the remaining ends of the coils to post 41.

2,199,847

CENTRIFUGAL MECHANISM

Tandy A. Bryson, Troy, N. Y.

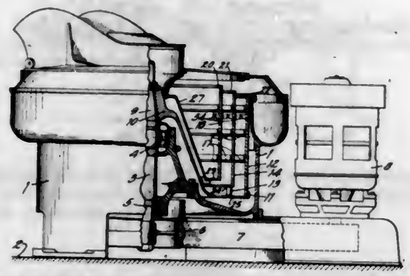
Application August 26, 1930, Serial No. 477,965
3 Claims. (Cl. 233—17)



1. In a centrifugal machine of the sedimentation type for the purification of liquid materials, the combination with a plurality of rotatable, approximately cylindrical, laterally imperforate drums of different purifying capacity coaxially arranged in spaced, nested relation, one within the other, of means at the top and bottom

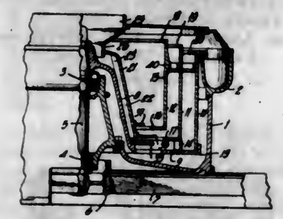
of each drum for maintaining therein, under the action of centrifugal force, a continuous layer of substantially uniform thickness of material undergoing treatment while permitting a simultaneous discharge of purified material from each of said drums, and a common means for simultaneously supplying untreated fluid materials to each of said drums; said last mentioned means fractionating the feed to said drums in accordance with their respective purifying capacities.

2,199,848
CENTRIFUGAL MECHANISM
Tandy A. Bryson, Troy, N. Y.
Application January 24, 1933, Serial No. 653,271
In Great Britain August 14, 1931
9 Claims. (Cl. 233—17)



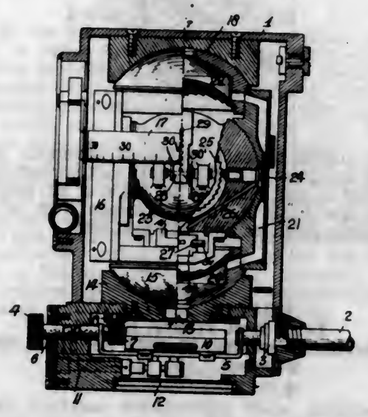
1. In a multiple nested drum centrifugal machine of the parallel-feed-parallel-discharge type for treating a liquid mixture, a single duct for feeding said machine, said duct initially delivering all of said mixture to the innermost drum, and means independent of said feeding means in each of the inner drums for accepting only such a part of said mixture and deflecting the balance thereof to the next outer drum as will subject the material accepted by any drum to substantially the same force-time effect as the material accepted by the other drums.

2,199,849
MULTIPLE DRUM CENTRIFUGAL
Tandy A. Bryson, Troy, N. Y.
Application August 2, 1935, Serial No. 34,375
9 Claims. (Cl. 233—17)



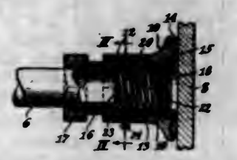
1. In a centrifugal machine of the sedimentation type for the treatment of liquid material, the combination with a plurality of rotatable drums of different size and different separating capacity coaxially assembled in nested relation, one within the other, of means within said drum assembly and rotatable therewith to which the material to be treated is delivered and through which it is passed for delivery to said drums, and means within said first mentioned means for positively fractionating said material between said several drums in accordance with their respective separating capacities.

2,199,850
GYROMAGNETIC COMPASS
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application September 25, 1937, Serial No. 165,667
15 Claims. (Cl. 33—222)



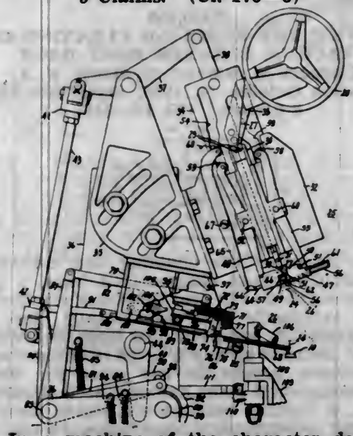
5. As a means for securing control from a sensitive element, a rotatably mounted sensitive element, an air jet thereon, an independently mounted vane or shutter cooperating with said jet, and a shield between said jet and shutter and having an aperture therein opposite said jet for shielding said element from air currents reflected from said shutter.

2,199,851
SHOWER CURTAIN ROD
John Freeman Culver, Cedar Grove, N. J.
Application July 16, 1938, Serial No. 219,524
2 Claims. (Cl. 156—19)



1. A socket for rigidly supporting a curtain rod between walls and for automatically maintaining said rod tight upon settling or shifting of said walls comprising a hollow threaded flange provided with a flat terminal surface, friction means in contact with said surface and engageable with a wall to prevent slippage of said flange, an elongated annular collar provided with an externally threaded portion engaging within said flange, said collar forming a recess for the reception of an end of said rod and operable upon rotation thereof to force said flange into firm engagement with said last-named wall, the outer end of the collar being open to receive said rod, a shoulder forming a spring stop extending inwardly from and closely adjacent the inner end of the collar, and a spring disposed in said recess in engagement with said stop and adapted to exert a force against the end of said rod when inserted within the recess and being tensioned by rotation of said annular collar for automatically maintaining said rod tight despite shifting or settling of said walls.

2,199,852
MOUNT MAKING MACHINE
Fred B. Iden, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application November 30, 1938, Serial No. 243,192
9 Claims. (Cl. 176—3)



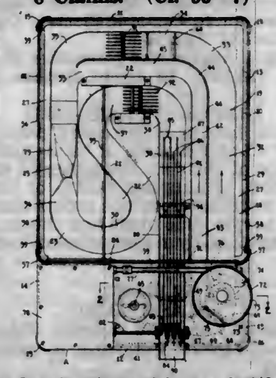
4. In a machine of the character described, the combination of a movable carrier having heads thereon for supporting a plurality of leads in relatively close but spaced side-by-side relation, heating means disposed adjacent the path of travel of said heads arranged to fuse a glass bead to said leads to join them together, means also located adjacent said path of movement of the heads for inserting into said bead between said leads without disturbing their position a support wire adapted to engage a filament connected to said leads, and means located at another position in the path of movement of said heads for forming hooks in the ends of the leads and for bending the end of the support wire into the correct relation thereto.

2,199,853
SHOE CONSTRUCTION
William H. Joyce, Jr., Pasadena, Calif.
Application September 18, 1937, Serial No. 164,508
4 Claims. (Cl. 36—2.5)



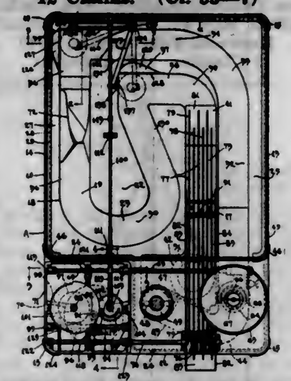
1. In an oxford type boot or shoe, the combination of an outsole, a shape-determining insole having substantial thickness as compared with the outsole, an upper including a vamp, instep and heel portions lasted to the edge of the insole, a cushioning pad of yielding material of substantially uniform thickness throughout between the insole and the outsole and secured to same, and extending continuously under the heel portion of the insole, a binding enveloping the edge of the pad, a rigid heel under the heel seat of the pad, fastening means passing down through the pad and into the heel to secure the heel, the upper face of the pad forward of the shank having transverse recesses formed therein operating to prevent bulging of the material in the forepart of the pad between the insole and outsole when the pad flexes in walking.

2,199,854
DOUGHNUT MACHINE
Alexander S. T. Lagaard, Minneapolis, Minn., assignor to Dough-King, Inc., Minneapolis, Minn., a corporation of Minnesota
Application May 1, 1939, Serial No. 270,979
8 Claims. (Cl. 53—7)



1. In a doughnut machine, a kettle having a channel providing a circuitous way along which the doughnuts are progressed through the flow of the cooking liquid, forming means for depositing raw doughnuts at one locality in said way, a turner for inverting the doughnuts at another locality in the way, impelling means disposed in advance of the forming means and causing flow of the cooking liquid in the channel and a second channel in said kettle connected to the first channel at a locality between the impelling means and forming means, and receiving a portion of the cooking liquid delivered by the impelling means, said second channel forming a by-pass for by-passing the cooking liquid past a portion of the first channel and discharging the same into said first channel at a locality in advance of said turner.

2,199,855
DOUGHNUT MACHINE
Alexander S. T. Lagaard, Minneapolis, Minn., assignor to Dough-King, Inc., Minneapolis, Minn., a corporation of Minnesota
Application June 30, 1939, Serial No. 282,111
12 Claims. (Cl. 53—7)



1. In a doughnut machine in which the dough-

nuts are progressed along a way through the flow of the cooking liquid, means forming an obstruction in said way for obstructing the travel of doughnuts in the way, and a movable member for engaging the doughnuts and moving the same out of engagement with said obstruction and to a position in said way in which further progression occurs.

2,199,856
REFRACTORY GLASS
John Henry Partridge, Middlesex County, England, assignor to General Electric Company, a corporation of New York
No Drawing. Application November 10, 1936, Serial No. 110,184. In Great Britain November 11, 1935
5 Claims. (Cl. 106—36.1)

1. A glass having a softening point not less than 1000° C. and capable of being founded at a temperature of 1600° C. consisting of 60–70% of silica, 25–35% of alumina, 6–11% of lime, and 1 to 6% of material from the group consisting of magnesia, baryta, zinc oxide and thoria, and containing substantially no other constituents.

2,199,857
FLASH LAMP
Marvin Pipkin, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application November 16, 1938, Serial No. 240,783
3 Claims. (Cl. 67—31)



1. A flash lamp comprising a glass bulb containing a combustible material and combustion-supporting means, said bulb having a frosted surface, and a protective coating of lacquer on said surface, separation of said lacquer coating from said surface being indicated by a contrasting appearance of said surface from its normal appearance.

2,199,858
HANGER FOR PUNCHING BAGS
William Edmond Racicot, New York, N. Y.
Application May 19, 1939, Serial No. 274,631
Renewed February 16, 1940
5 Claims. (Cl. 272—78)



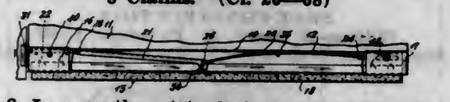
1. A hanger for punching bags, comprising an eye bolt adapted to fit over a hanger hook, a block having a curved upper surface, secured to the eye bolt, the upper surface of said block providing a supporting surface for the hanger strap of a punching bag.

2,199,859
DEVICE FOR ENABLING CLEANING OF VACUUM CLEANER DUST BAGS
Clarence M. Richter, Syracuse, N. Y.
Application October 14, 1936, Serial No. 105,554
6 Claims. (Cl. 15—257)



1. In a device for enabling the convenient cleaning of vacuum cleaner dust bags, a plate member adapted to fit over the rim of the dust receiving receptacle and substantially close the same against the escape of dust from the receptacle, said member having a large opening therein and a cover hinged to the plate for closing said opening, said cover having a second opening therein, a holding member connected with the plate and movable with respect thereto into and out of holding engagement with the cover for releasably holding said cover in the closed position, and means including an element in connection with said cover for securing a dust bag firmly to said plate member with the opening in the dust bag in registry with the second opening of said member whereby the dust bag may be given a vigorous shaking to cause the dust to drop through said second opening into the dust receptacle.

2,199,860
WEATHER STRIP DEVICE
James C. Rogers and James F. Rogers, Rocky River, Ohio
Application August 13, 1938, Serial No. 224,764
8 Claims. (Cl. 20—68)



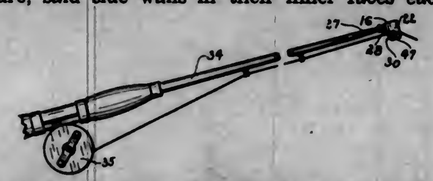
2. In a weather strip device, an elongated casing, an elongated sealing member movable therein, a push rod projecting from the casing, a bar spring extending longitudinally in the casing, and a rigid element extending between the push rod and the adjacent end of the spring and also having an operating connection with the sealing member, said rigid element being swingable in the casing and also bodily shiftable longitudinally of the latter to cause bowing of the spring and actuation of the sealing member.

7. In a weather strip device, a casing, a sealing member movable therein, hollow elements on the casing adapted to accommodate attaching devices, and resilient bumper means on the hollow elements adapted to be engaged by the sealing member.

2,199,861
ANTIFRICTION FISHING ROD TIP
Frank W. Sebrean and Matthew A. Jardine, Seattle, Wash.
Application October 7, 1938, Serial No. 233,850
2 Claims. (Cl. 43—24)

1. The combination with a fishing rod tip com-

prising a bifurcated housing having spaced side walls and a rear wall having a line-aperture and uniting the side walls, of a pair of grooved sheaves journaled in the side walls in front of said aperture, said side walls in their inner faces each

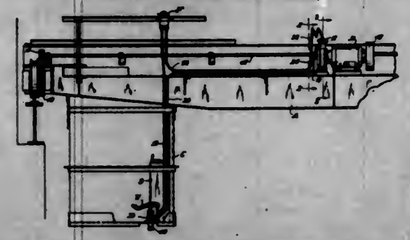


having a bearing socket, the inner, front edge of each wall being concave, and a roller journaled in each socket, and a substantial portion of each roller being available by means of said concavity, the axes of said rollers being in planes at right angles to the axes of the grooved sheaves.

2,199,862
MANUFACTURE OF PAPERS HAVING LOW AFFINITY FOR ADHESIVES
Florian Strovink, Medford, Mass., assignor to Bennett Incorporated, Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application September 10, 1938, Serial No. 229,315
10 Claims. (Cl. 91—68)

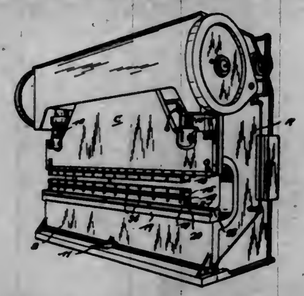
1. A paper adapted for use as a readily separable protective medium on adhesive surfaces, said paper carrying as a distinct entity an exposed soap film and being infused at least at its surface fibers underlying said soap film with wax and water-wettable binder, which afford a substantial barrier against the penetration of said paper by said soap film.

2,199,863
CRANE BRAKE
William George Wehr, Wickliffe, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application April 13, 1937, Serial No. 136,589
2 Claims. (Cl. 188—151)



1. In a traveling crane the combination of a bridge, a cage suspended from the bridge, hydraulically operated friction brake apparatus comprising a movable braking element carried by the bridge and located above the cage, a hydraulically actuated motor comprising a cylinder and a piston reciprocable therein operatively connected to said movable braking element for actuating the same, means located in the cage for producing hydraulic pressure, means for operatively connecting said last mentioned means with said hydraulically actuated motor, a liquid reservoir carried by said bridge and located above said hydraulically actuated motor, and means for connecting a portion of said cylinder located adjacent the low pressure side of the head of said piston with said reservoir.

2,199,864
PRESS BRAKE
William G. Wehr, East Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application March 20, 1939, Serial No. 262,951
9 Claims. (Cl. 153—21)

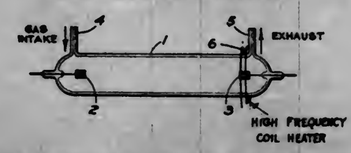


1. A bolster block adapted to be interposed between the die of a press brake and one of the leaves thereof, said bolster block comprising a vertically movable member, means for securing said vertically movable member against sidewise displacement relative to the leaf with which it is used, and wedge means for vertically adjusting portions of said member relative to said leaf.

2,199,865
PRODUCTION OF PLATES FOR PRINTING IN LITHOGRAPHIC MANNER
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application June 18, 1937, Serial No. 148,983
23 Claims. (Cl. 95—5.4)

1. In the preparation of plates for printing in the lithographic manner, incorporating a water-soluble halogenated polyvinyl alcohol and additional halogen the same as that of the compound in a solution, and applying such solution to the plate.

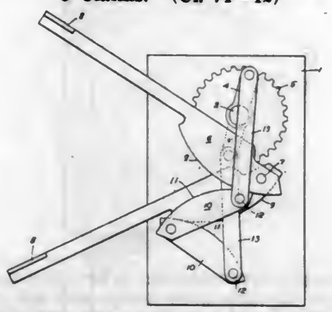
2,199,866
GASEOUS ELECTRIC DISCHARGE LAMP DEVICES
Hans Alterthum and Marcello Pirani, Berlin-Wilmersdorf, Germany, assignors to General Electric Company, a corporation of New York
Application February 4, 1937, Serial No. 124,130
In Germany February 6, 1936
2 Claims. (Cl. 176—2)



1. The method of removing the gaseous impurities from the container of an electric discharge device having thermionic electrodes separated an appreciable distance in said container which comprises the steps of causing a flow of rare gas through said container, applying a symmetrical alternating current across the terminals of said device and heating one of said electrodes to a higher electron emitting temperature than the other of said electrodes to change the symmetrical current into an asymmetric dis-

charge current to cause the migration of said gaseous impurities in the direction of flow of said rare gas.

2,199,867
POWER TRANSMITTING APPARATUS
Henry T. Atkinson, Oakland, Calif.
Application May 10, 1939, Serial No. 272,766
5 Claims. (Cl. 74—42)



1. A device of the character described including a crank journaled in a frame, said crank having diametrically opposed throws thereon; a member having an outwardly curved edge and having one end thereof pivotally mounted on said frame, there being one of said members on each of the opposite sides of said crank; a link pivotally connected at one end to each of the crank throws and pivotally connected at its other end to the free end of said member; and a pair of pedal members each having an end thereof pivoted to the frame, an end of each pedal member near the pivot having an outwardly curved edge in rolling contact with the curved edge of the first mentioned member, whereby pressure applied alternately to the free ends of the pedal members will be translated through and increased by the curved edges of the members and links before delivery to the throws of the crank and conversion by said crank into rotary motion.

2,199,868
MANUFACTURE OF THICK-SOLED OR PLATFORM SHOES
Fred L. Ayers, Watertown, Mass., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application May 11, 1938, Serial No. 207,298
6 Claims. (Cl. 12—146)



1. A composite sole structure for a platform shoe comprising an outsole and a markedly thicker platform sole in facially cemented relationship with their foreparts flexed to a curvature to be assumed thereby upon flexing of the forepart of the finished shoe during its normal wear, said platform sole being transversely slashed at its ball zone.

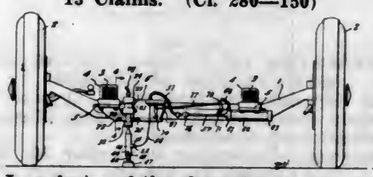
2,199,869
ARTICLE FOR BABIES
Paul G. Baker and John H. Watts, North Judson, Ind.
Application June 3, 1939, Serial No. 277,331
1 Claim. (Cl. 248—102)

An article for babies comprising a cloth receptacle, substantially V-shaped loops secured to the side portions of the receptacle adjacent to the opposite ends thereof with the apices outwardly disposed, elongated securing tapes secured to the



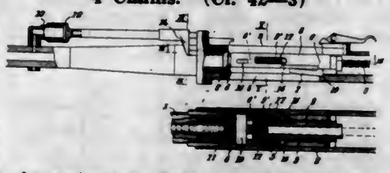
apex portions of the loops, and bottle encircling elastic loops within the receptacle and secured to a wall thereof, an end of the receptacle being open and said bottle encircling loops being adjacent to said open end.

2,199,870
WEIGHT RELIEVING DEVICE
John L. Barr, Chevy Chase, Md.
Application May 25, 1934, Serial No. 727,569
Renewed December 23, 1938
13 Claims. (Cl. 280—150)



1. In a device of the character described, a lift mechanism, a latch therefor, a cylinder, a piston in the cylinder, means to introduce fluid under pressure into the cylinder to move the piston, a piston rod, a cam thereon to release the latch, a pivoted member against which the cam is adapted to contact, and a link from the pivoted member to the latch.

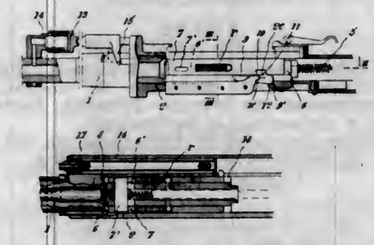
2,199,871
AUTOMATIC FIREARM
Marc Birkigt, Bois-Colombes, France
Application April 16, 1938, Serial No. 202,546
In Belgium February 11, 1938
4 Claims. (Cl. 42—3)



4. An automatic firearm which comprises, in combination, a tube, a breech structure movable with a reciprocating motion in line with said tube at the rear thereof, a stationary casing rigid with said tube for guiding said breech structure, said breech structure including a breech block proper provided with a longitudinally elongated transverse slot, two longitudinal bars slidable on either side of said breech block in the longitudinal direction, a transverse member carrying a firing pin and rigidly interconnecting said two bars extending through said slot, whereby the whole of said bars and said transverse member can slide longitudinally to a limited extent with respect to said breech block, cooperating means provided on said breech block proper, said bars and said breech casing and operative by relative displacements of said breech block proper, bars and breech casing, for interlocking said breech block and said bars as long as said breech block has not reached its extreme position toward the front and locking said breech block in said casing when said position is reached while simultaneously uncoupling said bars from said breech

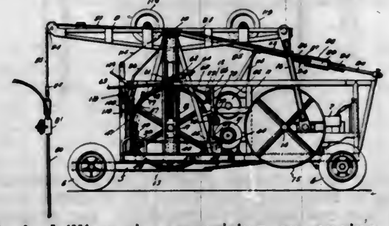
block, whereby said bars and said transverse member can further move frontwardly, said last mentioned means being adapted to have said actions reversed for reversed directions of movement of said breech block proper and bars, means for driving back said bars and said transverse member upon the firing of a shot, a counterspring for urging said bars and transverse member frontwardly, said bars being provided with longitudinal slots, lugs carried by said breech block engaging in said last mentioned slots respectively, and springs housed in said slots between the front ends of said slots and said lugs respectively for constantly urging said bars frontwardly with respect to said breech block.

2,199,872
AUTOMATIC FIREARM
Marc Birkigt, Bois-Colombes, France
Application April 16, 1938, Serial No. 202,548
In Belgium February 17, 1938
7 Claims. (Cl. 42—3)



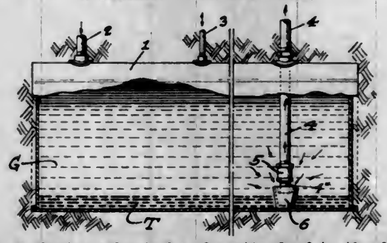
2. An automatic firearm which comprises, in combination, a tube, a breech structure movable with a reciprocating motion in line with said tube at the rear thereof, a stationary casing rigid with said tube for guiding said breech structure, said breech structure including a breech block proper and a firing pin carrier movable longitudinally to a limited extent with respect to said breech block, a pawl pivoted at its front end to said breech block, said firing pin carrier being provided with a notch adapted to cooperate with the rear end of said pawl for interlocking said breech block and said firing pin carrier, a counter-spring arranged to urge said firing pin carrier toward the front with respect to said casing, said casing being provided with a notch adapted to cooperate with said pawl for locking said breech block with respect to said casing at the end of its frontward stroke and simultaneously unlocking said firing pin carrier from said breech block, whereby said firing pin carrier is free to move further toward the front under the effect of said counter-spring, for ensuring percussion of the cartridge, first means for driving back said firing pin carrier in the rearward direction immediately upon the firing of a shot, contacting surfaces on said pawl and said casing, said contacting surfaces being so inclined with respect to each other and to the direction of the thrust transmitted from one to the other as to produce a transverse reaction component, whereby to drive said pawl into said first mentioned notch when, in the course of the return stroke of said firing pin carrier with respect to said breech block, said first mentioned notch comes opposite said pawl and second means, operative independently of said contacting surfaces comprising, cooperating projections carried by said firing pin carrier and said pawl respectively for accompanying this last mentioned movement of said pawl upon the return stroke of said firing pin carrier and spring means interposed between said breech block and said firing pin carrier for constantly urging said firing pin carrier toward the front with respect to said breech block, said cooperating projections of said firing pin carrier and said pawl being so positioned on said two respective parts as to be held at a small interval from each other when said pawl is engaged in the first mentioned notch, under the influence of the last mentioned spring means.

2,199,873
OIL WELL RIG
Mervin E. Bolles, Oil City, Pa.
Application October 3, 1938, Serial No. 233,079
17 Claims. (Cl. 255—11)



1. A drilling rig comprising an engine drive shaft, a bull wheel and a band wheel and pneumatic friction drive means having driving connection with the drive shaft and mounted for bodily movement independently of the drive shaft for selective engagement with said wheels.

2,199,874
TRASH AND WATER ELIMINATOR
Robert Alfred Brand, Charlotte, N. C.
Application February 2, 1938, Serial No. 188,386
3 Claims. (Cl. 210—209)

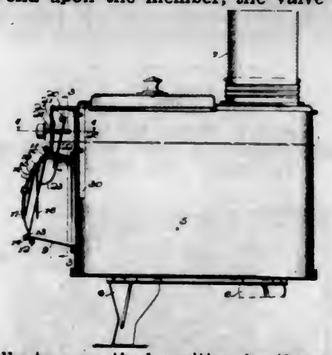


1. A device adapted to be attached to the lower end of a pipe from which gasoline is pumped from a storage tank, said device extending only a few inches above the bottom of the tank but above the normal water level at the bottom of the tank, having a flat bottom seating on the bottom of the storage tank, an inverted frusto-conical annular side wall integral with the bottom, ribs projecting interiorly from said side wall, passages between the ribs for the admission of gasoline but sufficiently narrow to exclude trash, and a ring supported by said ribs, said ring being attachable to the lower end of the pipe leading from the gasoline storage tank.

2,199,875
HEATING STOVE
Maxcy Lee Brogden, Columbia, S. C.
Application December 3, 1938, Serial No. 243,838
11 Claims. (Cl. 236—96)

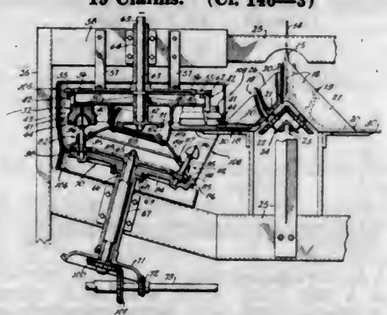
11. A stove comprising a casing having an outlet for the products of combustion, an air inlet collar mounted upon the exterior of the casing, a

member carried by the collar and extending across the bore of the collar, said member having an air inlet opening, said member being vertically inclined in an upward direction toward the casing, a valve arranged within the collar upon the inner side of the member and pivotally mounted at its upper end upon the member, the valve moving



inwardly to a vertical position by the action of gravity to become spaced from the member to uncover the opening, a thermostatic bar arranged adjacent to the casing, and a device operated by the thermostatic bar, said device extending into the collar behind the valve and contacting with the inner face of the valve to swing the same outwardly toward said member.

2,199,876
JUICE EXTRACTING MACHINE
William O. Brown, Los Angeles, Calif.
Application March 22, 1937, Serial No. 132,194
19 Claims. (Cl. 146—3)



1. In a citrus fruit juice extracting machine, the combination of: a rotatable cup carrier; a plurality of inverted cups mounted on said carrier; means for opening and closing the cups; means for delivering fruit sections to the cups; a tilted reamer carrier under said cup carrier rotatable in a path angularly disposed with relation to the path of travel of said cups; reamers on said reamer carrier projecting upwardly and positioned to enter the cups during a portion of their path; means for rotating said carriers; and means for rotating said reamers.

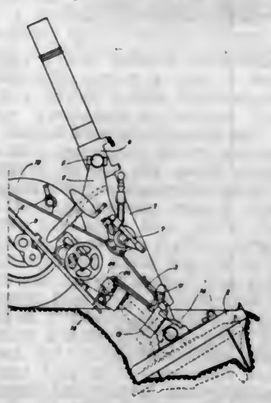
2,199,877
RECEPTACLE FOR TOOTH PASTE
Jose Cervera, Buenos Aires, Argentina
Application July 6, 1939, Serial No. 283,119
In Argentina November 10, 1938
2 Claims. (Cl. 221—79)

1. A tooth paste receptacle comprising a tooth-brush handle having means at one end for attachment to a tooth-brush, said handle having a bore extending axially thereof, said end having an outlet opening therein communicating with the bore in said handle, a plunger provided in said bore, a screw-threaded plunger rod extending from one face of the plunger, a cap on the



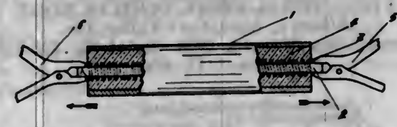
other end of said handle having an aperture therein, and an internally threaded sleeve extending through said aperture and freely rotatable and axially displaceable therein, the plunger rod being threaded in the sleeve whereby rotation of the sleeve will cause the same to be displaced axially through the cap aperture to vary the effective length of sleeve and plunger rod.

2,199,878
PIECE OF ORDNANCE
Paul Emile Joseph Denoix, Paris, France, assignor to Sageb, Société Anonyme de Gestion et d'Exploitation de brevets, Fribourg, Switzerland, a corporation of Switzerland
Application December 27, 1937, Serial No. 181,972
In Switzerland December 31, 1936
1 Claim. (Cl. 89—40)



A piece of ordnance comprising a barrel, a breech at the rear end of said barrel, a head on said breech, a wheeled carriage to support the front part of the barrel, a platform to be laid on the ground to support the breech of the barrel, said platform being formed with a cavity of more than hemispherical form, a shock absorber interposed between the platform and the wheeled carriage, a head on said shock absorber, the heads of the breech and of the shock absorber forming a sphere having flattened surfaces, a detachable bolt for attaching the breech head to the head of the shock absorber, whereas the platform cavity is formed with a gap permitting the introduction of the flattened sphere which is adapted to be locked in the cavity by rotation of the platform through a fraction of turn, said gap being set in such position, in relation to the mean plane of fire to allow the breech of the barrel to be freed and disengaged from the platform cavity independently from the head of the shock absorber.

2,199,879
PROCESS FOR THE MANUFACTURE OF ARMORED ELECTRIC HEATING ELEMENTS
André Deroche, Fontgombaut, France
Application June 8, 1937, Serial No. 147,151
In Belgium June 12, 1936
4 Claims. (Cl. 201—67)



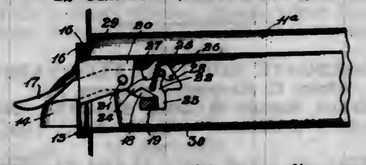
1. A method for manufacturing an electric heating element comprising at least one helically wound conductor arranged inside a mass of insulating material enclosed in an outside armoring, said method consisting in introducing inside the helically wound conductor embedded in the insulating material a hard metal anvil-forming core capable of being considerably elongated by a relatively small tension without breaking after annealing at high temperature, transversally compressing the insulating material against the anvil-forming core, annealing the core, elongating the core alone, removing said core, and filling the space occupied by it with insulating material.

2,199,880
HYDRAULIC SHOCK ABSORBER
Clifton Keith Elliott, Bellvue Hill, New South Wales, Australia
Application December 20, 1939, Serial No. 310,243
In Australia October 17, 1938
5 Claims. (Cl. 188—88)



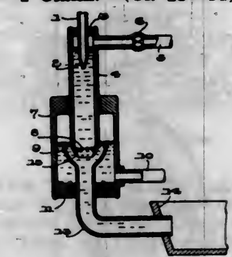
1. An hydraulic shock absorber including a cylinder, a piston reciprocal therein and dividing said cylinder into a compression chamber and a rebound chamber, a tube surrounding said cylinder and forming a transfer chamber, means of direct communication between said transfer chamber and said other two chambers, said means of communication passing through the wall of said cylinder and extending from a medial point in the length thereof to a position adjacent the outer end of said compression chamber, valve controlled means permitting fluid to flow from said transfer chamber into the rebound chamber when the piston is displacing fluid from said compression chamber, and valve controlled means permitting fluid to flow from said rebound chamber into said transfer chamber when the piston is moving on its rebound stroke beyond its normal position.

2,199,881
REFRIGERATOR
William T. Hedlund, New Rochelle, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 23, 1937, Serial No. 155,329
12 Claims. (Cl. 62—108.5)



1. The combination with a cooling member having a freezing compartment, of a tray member adapted to be inserted in and withdrawn from said compartment, and means carried by one of said members and adapted to co-operate with a part of said other member to urge said tray rearward when the latter is being inserted and moved in said compartment.

2,199,882
PROCESS AND APPARATUS FOR SPINNING RUBBER THREAD FROM RUBBER LATEX
Toyohachiro Inokuchi, Toshima-ku, Tokyo, and Uichi Kawarahata, Kawagoye, Japan, assignors to Toyo Gomu Kagakukogyo Kabushiki Kaisha, Tokyo, Japan, a corporation of Japan
Application August 7, 1937, Serial No. 157,968
In Japan September 12, 1936
1 Claim. (Cl. 18—54)

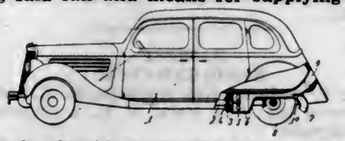


Process of spinning rubber thread from rubber latex, comprising using two kinds of coagulating liquors, namely alcohol and calcium chloride solution; forming two liquid layers by floating alcohol on calcium chloride solution, allowing only the lower layer calcium chloride solution to flow continuously in a certain direction; and firstly coagulating rubber latex by jetting it into alcohol; and then while being caused to travel by a current of the flowing calcium chloride solution, coagulating it completely.

2,199,883
APPARATUS FOR PREVENTING RAISING OF DUST AND SPLASHING OF MUD BY AUTOMOBILES
Zenzo Ishiwata, Seta-gun, Gunma-ken, Japan
Application March 17, 1938, Serial No. 196,506
4 Claims. (Cl. 180—84)

1. In an automobile, the combination of a drive shaft, an air chamber, an air duct leading from said air chamber to the rear of the automobile, a fan blowing the air in said air chamber through

said air duct, means on said drive shaft for rotating said fan and means for supplying air to



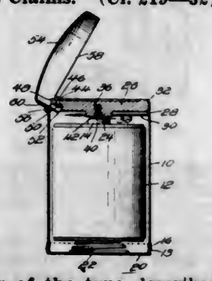
the back of said automobile to counteract the formation of a vacuum.

2,199,884
AGGREGATE MOISTURE ELIMINATOR
Albert C. Kennedy, Malvern, Ark.
Application March 29, 1939, Serial No. 264,867
8 Claims. (Cl. 94—39)



1. An aggregate moisture eliminator comprising a portable frame structure adapted to be moved over a bed of aggregate, aggregate stirring tools carried by the frame structure, burner means associated with the aggregate stirring tools for heating the aggregate stirred by the tools, to eliminate moisture from the aggregate, normally upright generator pans fixedly related to the burner means, and means for shifting the burner means to bring the generator pans to horizontal positions and subsequently moving the burner means to latched normal positions.

2,199,885
ELECTRIC LIGHTER
Walter N. Kravchuk, Hartford, Conn.
Application June 12, 1939, Serial No. 278,802
2 Claims. (Cl. 219—32)



1. A lighter of the type described comprising a metallic housing having an open end, a disc of insulating material extending across said open end and fixedly related to the housing, a heating element mounted on the upper face of the disc and having one end passing through an opening in the disc for connection with a terminal, a battery inside said housing grounded to the latter and including a contact engaging said terminal, the other end of said heating element being connected with a fixed switch contact mounted on said disc, a metallic cover hingedly connected with the open end of the housing and electrically related thereto, and a switch contact carried by said cover arranged to be moved into engagement with said first-named switch contact when the cover is moved to an open position for energizing said heating element, the grounded connection between said battery and said housing comprising a compression spring interposed between the bottom of the housing and said battery for urging its contact into engagement with said terminal.

2,199,886
STRUCTURAL STEEL VEHICLE BODY
Albert L. Luce, Fort Valley, Ga.
Application May 16, 1938, Serial No. 208,288
4 Claims. (Cl. 296—28)

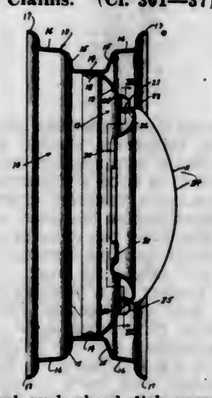


1. A vehicle body comprising spaced standards, longitudinal bars connecting the standards, transversely disposed channeled floor beams, the lower ends of the standards being cut away to provide shoulders resting on the transverse channeled floor beams and defining depending fingers extending within the channels of the floor beams, and fastening devices extending through the fingers and channeled beams.

2,199,887
METHOD OF PREPARING GRAINED CONFECTIONS
Albert A. Lund, New York, N. Y.
No Drawing. Application September 27, 1934, Serial No. 745,833. Renewed April 6, 1939
6 Claims. (Cl. 99—134)

1. The method of preparing a grained confection which comprises preparing a solution of dextrose and sucrose, the latter being in sufficient quantity to supply an excess of syrup in the finished product, cooling and adding seed to the solution, subjecting the mixture to vigorous agitation whereby a distribution of crystal nuclei throughout the mass is effected, but whereby the fluid consistency of the mass is not destroyed, and thereafter permitting crystallization to continue spontaneously.

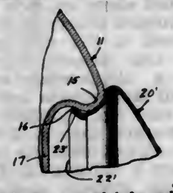
2,199,888
WHEEL DISK AND WHEEL ASSEMBLY
George Albert Lyon, Allenhurst, N. J.
Application October 5, 1938, Serial No. 233,354
6 Claims. (Cl. 301—37)



3. In a wheel and wheel disk assembly includ-

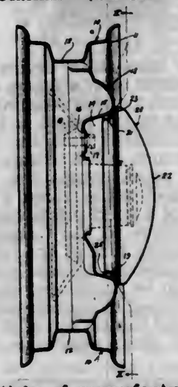
ing a wheel having a body part with an annular S-shape fold therein, said fold forming a generally radially outwardly extending shoulder and providing an annular groove therebehind, a wheel disk for disposition over the outer face of said wheel having an integral axially rearwardly extending folded flange thereon, spaced portions of said flange being depressed radially inwardly, said depressed portions resiliently engaging said shoulder within said annular groove, and the remaining portion of said flange being distorted from its normal circular position into a bulged configuration.

2,199,889
WHEEL HUB CAP STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application October 21, 1938, Serial No. 236,162
9 Claims. (Cl. 301—108)



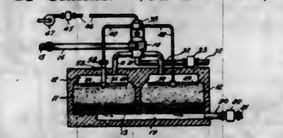
6. In combination, a vehicle wheel comprising generally radially inwardly extending rigid protuberance means providing a shoulder at its axially inner side, and a cover member comprising a crown portion and a wheel engaging portion, said latter portion comprising a generally radially extending flange portion, the radially inner portion thereof merging into a substantially axially inwardly extending continuous flexible flange, the axially inner edge of said flange being bent, said bent edge engaging the shoulder portion of said protuberance means.

2,199,890
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application February 20, 1939, Serial No. 257,425
10 Claims. (Cl. 301—108)



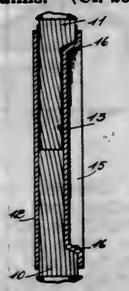
1. As an article of manufacture, an automobile wheel hub cap formed from a single metallic blank and comprising a central dome portion, and a turned under outer margin at the outer periphery of said dome portion and comprising a channeled section providing at the outer periphery of said cap a sufficiently rigid portion to withstand the pressure of a pry off tool, said turned under outer margin comprising an inturned flange which has a substantially radially inwardly extending resilient part and a rearwardly extending resilient part terminating in a curled circular edge adapted for snap-on pressure applying and retaining engagement with a part of the wheel, said cap being of such springiness that the dome portion is resilient to resist impact blows and to enable indentations therein to be sprung outwardly without rupturing the metal and said flange is increasingly flexible toward its edge so that said edge may be sprung out of its normal circular shape when the cap is pressed into retained position on the wheel.

2,199,891
RAPID SAND FILTER
Michael James Martin, Armadale, Victoria, Australia
Application July 14, 1937, Serial No. 153,598
In Australia July 23, 1936
14 Claims. (Cl. 210—144)



1. The method of cleansing an enclosed filter comprising directing water upwardly through a filter bed therein, directing a second flow of wash water adjacent to the surface of the filter bed in the form of jets having a relatively high velocity, said upward and surface flows of wash water commencing substantially simultaneously and while the filter bed is entirely submerged in water, maintaining substantially constant the rate of flow of surface wash water, terminating the flow of surface wash water while the said upward flow is still proceeding, and maintaining the flow of effluent wash water at a substantially constant rate sufficient to cause the filter bed to be subjected to an upward wash at "high velocity" after the said surface wash has terminated.

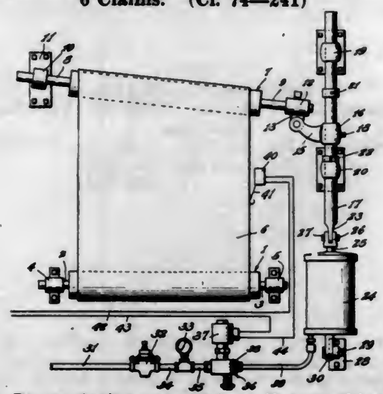
2,199,892
POWER TRANSMISSION CABLE
Charles Nelson Metcalf, Hartsdale, N. Y., assignor to Consolidated Edison Company of New York, Inc., New York, N. Y., a corporation of New York
Application August 18, 1939, Serial No. 290,913
2 Claims. (Cl. 287—75)



1. A connector serviceable for securing the ends of swisted strand cables into a unitary whole, said connector comprising a sleeve of uniform interior bore of a diameter to receive directly a cable of larger diameter, an adapter fitted in the sleeve and formed with corrugations extending axially of the sleeve with the adapter of a diameter to

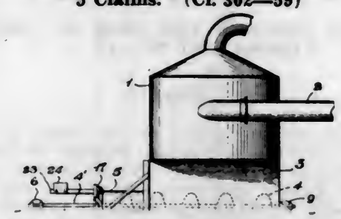
snugly receive a cable of smaller diameter, whereby the axial corrugations of the adapter will cover and under pressure will interlock with the twisted strands of the cable when the latter is inserted.

2,199,893
CENTERING APPARATUS
Oscar J. Norton and Willie L. Norton, Danville, Va.
Application January 26, 1939, Serial No. 253,008
6 Claims. (Cl. 74—241)



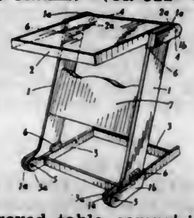
1. In centering apparatus, the combination with a roll having a belt trained thereabout, said roll being pivotally mounted at one end, a sleeve carried at the other end of the roll, a bracket supporting the sleeve, a rod extending through the bracket and being fixedly engaged therewith, a jack cylinder having a piston rod connected with the rod, a fluid source for the jack cylinder, and electrically operated means controlled by abnormal shifting of the belt for controlling the fluid flow to the jack cylinder whereby shifting of the rod and bracket will take place for shifting the roll and urging the belt back to normal position.

2,199,894
DOUBLE DOOR ON PNEUMATIC UNLOADERS
Hubert Phelps, Little Rock, Ark.
Application March 31, 1939, Serial No. 265,322
5 Claims. (Cl. 302—59)



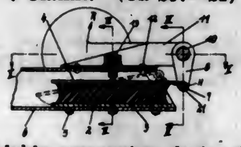
1. In a pneumatic unloader, a vacuum box, a discharge tube extending from said vacuum box, a screw conveyor extending into the discharge tube, a shaft for the screw conveyor extending through the discharge tube, and a closure for the end of said tube comprising sectional door elements, a hinge for each door element, said hinges being angularly arranged at opposite sides of said tube to cause said door sections during opening movement to separate and move away from said tube end, said door elements being formed with registering notches so arranged as to permit the door sections to seat about said shaft.

2,199,895
TABLE
William Reid Sharp, Benton, England
Application January 12, 1938, Serial No. 184,658
In Great Britain March 2, 1937
6 Claims. (Cl. 311—93)



1. An improved table comprising a top, supporting means and a base, the said top being pivotally connected about an axis at one end to said supporting means which at its lower end is pivotally connected to the said base about an axis and single stop means adapted automatically to take up a single predetermined operative position, said stop means being adapted to co-operate with said top, supporting means, and base, in such a manner that in one direction the table top may be moved until the assembly automatically takes up a substantial Z form in side elevation with the support means as the inclined member and with the top and base as the horizontal members while in the other direction it is freely movable without the necessity of releasing any holding means.

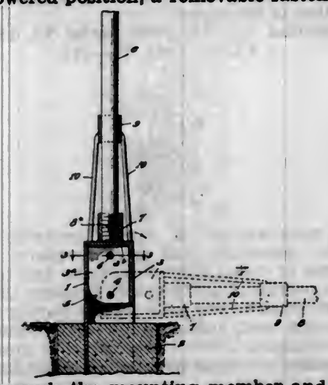
2,199,896
SPRINGING ARRANGEMENT
Oscar Siebler and Walter Boxan, Zschopau, Germany, assignor to Auto Union Aktiengesellschaft, Chemnitz, Germany
Application August 25, 1936, Serial No. 97,856
In Germany August 28, 1935
7 Claims. (Cl. 267—21)



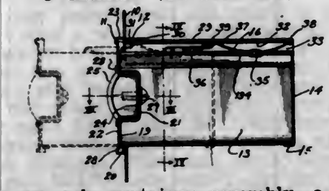
1. A yieldable suspension device for a wheel of a vehicle provided with a frame comprising, a wheel-carrying link member journalled for movement with respect to the frame, a pin carried by the link member spaced from the journal so as to provide a lever arm which swings in an arcuate path when the wheel causes the link member to pivot with respect to the frame, a rubber member in the form of a solid prism having one face thereof fixed relative to the frame, a plate secured to the opposite face of the rubber member and pivotally connected to said pin, said plate being arranged to be translated linearly during springing of the wheel by movement of said lever arm whereby linear translation of the plate member is opposed by shear resistance of the rubber member.

2,199,897
POLE MOUNTING
Montford C. Stringer, Hopedale, Ohio
Application December 2, 1938, Serial No. 243,667
2 Claims. (Cl. 189—28)

2. A pole mounting comprising a base, a standard embedded in and extending upwardly from said base, said standard being formed of channeled material to provide a standard U-shaped in cross section and open along one side above the base, a mounting member disposed between opposed side walls of said standard, a fastener passing through the mounting member and opposed side walls of the standard and constituting a pivot about which the mounting member may have swinging movement from a vertical position to a lowered position, a removable fastener passing through the mounting member and the opposed side walls of said standard to secure the mounting member in its raised position, a pole-receiving socket at the top of said mounting member, a collar for fitting about a pole above the socket, and legs for supporting said collar in vertically spaced relation to the socket extending downwardly from the collar in diverging relation to each other and having their lower ends united to the upper end of the mounting member.



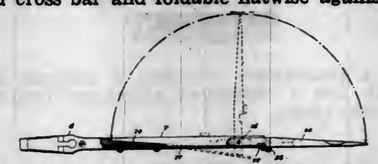
2,199,898
UTILITY RECEPTACLE
John Visser, Grand Rapids, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application June 7, 1937, Serial No. 146,773
3 Claims. (Cl. 206—19.5)



1. In an ash container assembly, a drawer member and a supporting member from which said drawer member is suspended, said supporting member embracing opposite spaced upper side portions of said drawer member and defining slide channels in which said spaced portions are disposed to slidingly support said drawer member, and resilient means interposed between said members and carried by one of said members and engaging the other member for exerting a pressure tending to spread said members apart but which is applied to maintain said spaced portions in tight frictional engagement with said slide channels.

2,199,899
COMPOUND TOOL
William F. Watson, Olean, N. Y.
Application June 14, 1939, Serial No. 279,189
1 Claim. (Cl. 145—50)

A tool handle having two opposite relatively wide sides with an opening extending completely through said handle between said sides and having a tongue projecting from one end of the handle into said opening and a cross bar extending across the handle at the opposite end of said opening, a screwdriver pivoted near one end and at its narrow edges in said opening and adjacent said cross bar and foldable flatwise against one

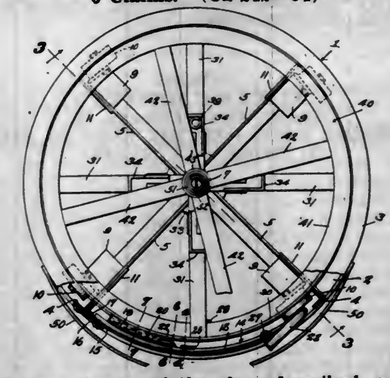


side of said tongue when in folded position and flatwise against said cross bar when in unfolded position, and a flat spring fixed at one end to the opposite side of said tongue and projecting along said opening with its free end bearing against the wide sides of the inner end of the screwdriver to hold the same in either opened or closed position.

2,199,900
RESINOUS COMPOSITION
George S. Weith, Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 18, 1936, Serial No. 96,675
24 Claims. (Cl. 260—42)

1. A method of producing a resinous composition of improved shock resistance which comprises admixing a finely divided alkyd resin in the infusible, insoluble condition with a heat hardenable non-alkyd resin.

2,199,901
WIRE REEL
John Edward Whitaker, West Monroe, La.
Application December 21, 1938, Serial No. 247,090
6 Claims. (Cl. 242—94)



5. In a device of the class described, an approximately circular body, a wire receiving spool journaled on the body, a brake, a hinge connecting the brake with the body, means for causing the brake to engage the spool, an outstanding member on the brake, along which the wire passes as it is drawn from the spool, and an outwardly convexed track secured to the body on opposite sides of the hinge and said member, and extended outwardly therebeyond, whereby when the body is rolled on its periphery, the hinge and said member will be protected.

2,199,902
PHOTOGRAPH
James R. Alburger, Merion, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 12, 1938, Serial No. 201,507
2 Claims. (Cl. 95—88)



1. A photograph including a reduced silver image and a coincident aluminum hydroxide mordant image.

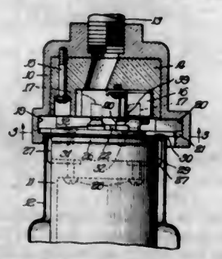
2,199,903
PROCESS OF PHOTOGRAPHIC DEVELOPMENT
James R. Alburger, Merion, Pa., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application April 30, 1938, Serial No. 205,362
4 Claims. (Cl. 95—88)

4. The method of maintaining the alkalinity of a photographic developer effectively constant comprising adding an excess of alkali to the developer, substantially balancing the alkali content of the developer with alum at such a point that the effective alkalinity is just sufficient to keep the resulting aluminum salt in solution, and releasing alkali by precipitation of aluminum hydroxide.

2,199,904
PHOTOGRAPHIC DEVELOPER
James R. Alburger, Merion, Pa., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application April 30, 1938, Serial No. 205,363
36 Claims. (Cl. 95—88)

1. A photographic developer containing a developing agent, an alum, and sufficient alkali to dissolve the aluminum compound tending to be precipitated by the alkali.

2,199,905
ELECTRIC FIXTURE
George Arras, Chicago, Ill.
Application January 12, 1937, Serial No. 120,273
11 Claims. (Cl. 240—85)



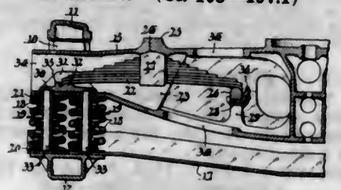
1. A lighting fixture comprising a non-rotatable electrical connection having separable parts with spring plates and conductor blades insertable slidably together and cooperating fastening means comprising a holder with undercut recesses attached to one part, and an attachment plate secured to the other part and movable first into the holder to engage the conductor plates and blades and then slidably with respect to the holder for engagement with the recesses, maintaining the connector plates and blades in slidable, parallel relation.

2,199,906
WRINGER
Elmer H. Bard, Muskegon, Mich., assignor to Geerpres Wringer, Inc., Muskegon, Mich., a corporation of Michigan
Application July 12, 1937, Serial No. 153,089
1 Claim. (Cl. 15—261)



In a mop wringer, a pair of pressure plates, racks for operating said pressure plates having two rows of teeth shifted to have the teeth of one row overlapping the spaces between the teeth of the other row; and gear sectors having similar overlapping teeth engaging the teeth of said rack, the overlapping teeth being the sole means for maintaining the gear sectors and racks in alignment.

2,199,907
SPRINGING FOR RAILWAY TRUCKS
Charles D. Barrett and Charles R. Whitehead, Altoona, Pa.
Application February 15, 1939, Serial No. 256,463
13 Claims. (Cl. 105—197.1)

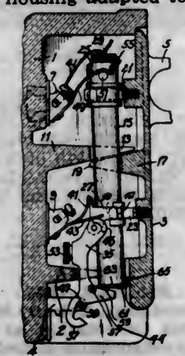


1. In a truck, the combination with a side frame having a bolster window, a hollow bolster with an end in said window, and spring means in said window under the bolster end yieldingly supporting the latter from said side frame; of leaf spring means mounted inside the bolster lengthwise thereof to flex up and down therein, with the greater part of its length extending to the inside of the side frame, but with its outer end in the side frame window and free within the hollow bolster end; and supporting means supporting said outer end of said leaf spring means from the side frame independently of the first-mentioned spring means; whereby said first-mentioned spring means and said leaf-spring means support the bolster in parallel with one another.

2,199,908
FUSE SWITCH
Theodore Birkenmaier, St. Louis, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application March 5, 1934, Serial No. 714,084
5 Claims. (Cl. 200—114)

1. A fuse switch comprising a housing, line terminals therein, one element of a hinge therein, a removable fuse cartridge having terminal engaging elements adapted to associate with said line terminals, a door for the housing carried by

the cartridge, a second element on said hinge movably associated with said cartridge and electrically contacting one of the terminal engaging elements, a fuse link connecting a terminal engaging element with the second element of the hinge member which is also movable on the cartridge, to hold the same substantially rigid with respect to the cartridge, resilient means associated with the housing adapted to press the car-



tridge so as to tension said link when said terminal engaging elements engage said line terminals, said tensioned link preventing movements of the cartridge and door away from closed position, and a latch associated with said hinge element on the cartridge adapted to hold said hinge element in position as it is held by the tensioned fuse, whereby the box may be closed by said door although the device is not fused.

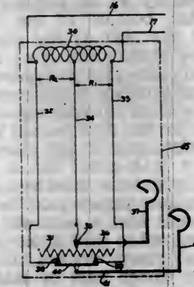
2,199,909
NONSPARKING ELECTROMAGNETIC SIGNALING AND SWITCHING DEVICE
Everett T. Burton, Millburn, and Austen M. Curtis, South Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1936, Serial No. 108,158
3 Claims. (Cl. 175—21)



2. In combination, an electromagnet, a resistor and a condenser, the resistor and condenser being wrapped around the winding of the electromagnet and connected in series with each other across the winding, the condenser being effective to absorb the stored energy from the winding upon the opening of an electrical circuit through the winding and the resistor being effective to limit the discharge current from said condenser.

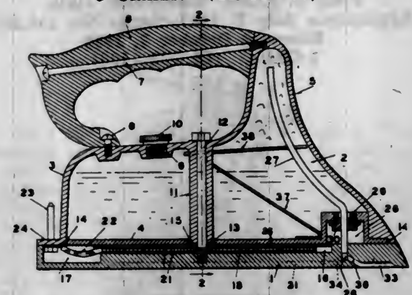
2,199,910
PROPORTIONING CONTROL SYSTEM
Lewis L. Cunningham, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 7, 1930, Serial No. 434,115
23 Claims. (Cl. 175—320)

4. In a control system, a solenoid of the center-tap type, resistance means, a plurality of means each separately automatically responsive to changes in a different physical condition, means by which each automatically responsive means



can vary the resistance in said resistance means, and electrical bridge connections between the solenoid, resistance means and variation-controlling means.

2,199,911
ELECTRIC STEAM IRON
Judson T. Edwards and Crewdson Edwards, St. Louis, Mo., assignors of one-sixth to Herman Baer and one-sixth to Gratia T. Dutton, both of St. Louis, Mo.
Application July 28, 1937, Serial No. 156,087
9 Claims. (Cl. 38—77)



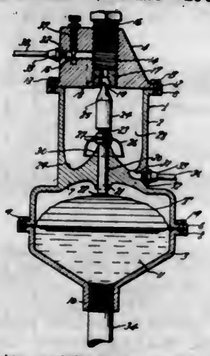
1. In a pressing iron of the class described, a base member for performing the pressing operation, a liquid-containing reservoir associated with the base member, means for applying heat to the base member and for generating steam from the liquid in the reservoir, the bottom surface of said base member being provided with two grooves having downwardly diverging walls and being open throughout their entire length to the material being pressed and extending rearwardly from the forward end of the base member and adjacent the marginal edges of the base, and means for conducting steam from the reservoir to the forward ends of the grooves, said means comprising conduit means joining the ends of the grooves and so associated with the grooves that said conduit means will guide the steam into said grooves in a direction substantially the same as that in which the grooves extend to thus distribute said steam onto the top surface of the material being pressed.

8. In a pressing iron of the class described, a base member, a reservoir positioned above said base member and detachably secured thereto, said reservoir comprising a hollow upper part provided with an upwardly extending dome portion at its forward end, means forming steam channels in the bottom of the base member for

distributing the steam to the fabric to be pressed, means for placing the upper part of the dome portion in communication with the steam channels, a separate baffle plate within the reservoir extending upwardly at an angle from the forward end of the bottom of the reservoir to a point adjacent the rear of the dome portion, a second separate baffle plate lying in a substantially horizontal plane and positioned at the juncture of the main portion of the reservoir and the dome portion, and means for supporting the second baffle plate by the first named baffle plate.

9. In a pressing iron of the class described, a base member, a leak-proof liquid reservoir positioned above said base member, said reservoir comprising a hollow upper part having integral top and side walls and a separate bottom plate permanently secured to said upper part along the entire marginal seam, means for conducting steam from the upper part of said reservoir to the base member and comprising a tube passing through the bottom plate of the reservoir and extending through the reservoir to a point above the liquid therein, and means accessible from the exterior of the reservoir when the base member is detached therefrom for securing and sealing the tube to the bottom plate and permitting the tube to be removed from the reservoir without detaching the bottom plate from the upper portion of said reservoir.

2,199,912
OILING SYSTEM
Fred G. Eilers, Mooreland, Okla.
Application July 2, 1937, Serial No. 151,585
Renewed October 7, 1939
1 Claim. (Cl. 123—196)



In combination with an engine including an oil line, an intake manifold, a housing having a bore with an inlet connected to the oil line, a valve operating adjacent the bore, the said housing having an oil chamber communicating with the bore when the valve is open and having also a well connected to the engine whereby heat from the engine will enter the well, a thermostat in the well and connected to the said valve, a line connecting the said oil chamber to the intake manifold of the engine, and means for varying the volume of the said bore.

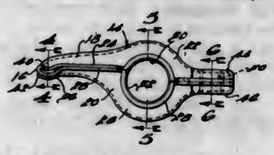
2,199,913
FASTENER
Eugene F. Gaines, Bala, Pa.; Jean S. Gaines administratrix of said Eugene F. Gaines, deceased
Application April 8, 1937, Serial No. 135,687
3 Claims. (Cl. 24—194)

1. In a fastener, a flat body portion of textile reinforced rubber having a top wall, side walls, and a bottom wall defining a central opening and with a tab depending from said bottom wall, a clamping member transversing said opening and the outer face of the body portion, and having its ends surrounding and loosely embracing said side walls to be freely slidable thereon, the



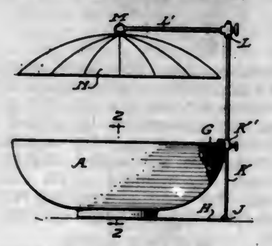
movement of said clamping member towards said bottom wall effecting the clamping of an article being held and the side walls being flexed by applying force to the tab of the bottom wall and to the top wall to move the lower wall away from the clamping member and thereby release the article therein.

2,199,914
ROCKER ARM
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 31, 1939, Serial No. 265,309
7 Claims. (Cl. 74—519)



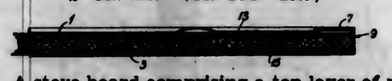
1. A stamped metal rocker arm comprising a metal strip folded upon itself to provide superimposed first and second layers, said first and second layers each having a longitudinally disposed rib terminating in outwardly disposed flanges, the ribs and flanges of the respective layers facing each other with portions of the facing flanges abutting each other and joined together to form a box section construction.

2,199,915
CHILD'S PLAY BOWL
Thomas A. Howard, Holladay, Utah
Application January 12, 1939, Serial No. 250,638
2 Claims. (Cl. 272—1)



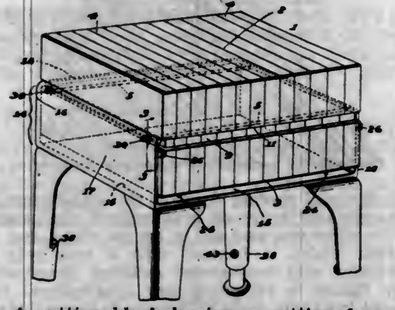
1. In a child's play bowl the combination with a bowl, of an umbrella support having a horizontal arm on which the bottom of the bowl rests, a vertical arm rising from the outer end of said horizontal arm, and a clamping bracket to engage the edge of the bowl to retain the support in proper relation to the bowl, said clamping bracket being slidable and vertically adjustable on said vertical arm to adjust the clamp to the height of the bowl.

2,199,916
STOVE BOARD
Stanley F. Jackes, St. Louis, Mo., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application January 21, 1938, Serial No. 186,106
2 Claims. (Cl. 154—45.9)



1. A stove board comprising a top layer of normally flat but inherently bendable sheet metal, a bottom layer comprising an initially separate, rigid and flat plaster board, said board comprising as a preformed unitary organization a flat monolithic layer of a frangible plaster-like substance such as gypsum, a cardboard-like protecting layer attached to said plaster-like layer and located between it and said top metal layer, and a cardboard-like layer attached to said plaster-like substance and located below the same, the edges of said sheet metal being clinched over the edges of said plaster board, the two cardboard-like levers protecting the relatively frangible plaster-like layer against breakage at the clinch and against breakage by local deflections in the top layer and holding together any separate portions of the plaster-like layer should it crack.

2,199,917
CUTTING BLOCK
Joseph Janes, Somerville, Mass.
Application November 9, 1938, Serial No. 239,671
4 Claims. (Cl. 146—215)



1. A cutting block having a cutting face and with channels formed therein on opposite sides thereof at points removed from said cutting face, said channels presenting, respectively, bearing edges off which said block may be supported, a supporting bed within which said block is socketed having fixed sides and a detachable side, certain of said fixed sides adjoining the channeled sides of said block being formed to enter and close said channels and have engagement with said bearing edges of the block whereby the block may be slidable on said sides of the bed entering said channels as aforesaid into and out of socketed position in said bed after removal of said removable side and rest upon said sides when socketed, and means for attaching said removable side to said bed.

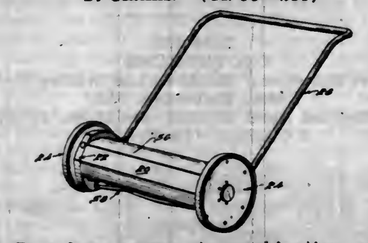
2,199,918
METHOD OF PREPARING INNER TRIM PANELS
Andrew J. Jarosik, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application September 28, 1936, Serial No. 102,971
1 Claim. (Cl. 154—2)

The method of forming inner trim panels which includes applying a relatively thick layer of adhesive material to predetermined portions of a backing sheet, securing a section of loosely felted padding material to said backing sheet applying protective strips of paper to the surface of said



padding material in the areas thereof adjacent the areas to which said adhesive has been applied to said backing sheet and embossing said padding material before said adhesive has set whereby said adhesive will retain the padding in embossed condition.

2,199,919
LAWN MOWER
Henry C. Limbach, Detroit, Mich., assignor to Product Development Quest, Inc., Detroit, Mich., a corporation of Michigan
Application June 28, 1937, Serial No. 150,712
17 Claims. (Cl. 56—253)



1. In a lawn mower, in combination, a frame including end members, means rigidly connecting said end members comprising a curved wall extending therebetween and permanently fixed thereto, a cutter reel rotatably mounted in approximately housed relation with respect to said curved wall, a cutter bar operatively associated with said cutter reel, a pair of driving wheels, means supporting said frame from said driving wheels including members rotatably interconnected with said wheels and pivotable with respect to said frame about an axis eccentric to said wheels, and a driving connection between said wheels and said cutter reel.

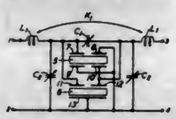
2,199,920
ADMIXTURE FOR CONCRETE OR CEMENT
Andrew Marzoli, Union City, N. J.
No Drawing. Application September 9, 1937, Serial No. 163,093
3 Claims. (Cl. 106—27)

3. An admixture for concrete including lime, linseed oil, paraffin wax, benzine, and an adhesive mixture including fish glue and calcium chloride.

2,199,921
WAVE FILTER
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 26, 1938, Serial No. 232,067
22 Claims. (Cl. 178—44)

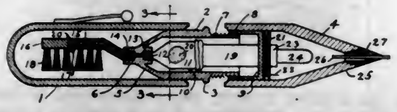
1. A wave filter comprising a pair of input terminals, a pair of output terminals, a bridging impedance branch including a capacitor connected between an input terminal and a corresponding output terminal, and two piezoelectric crystals, one of said crystals having two elec-

trodes on one face and two other oppositely disposed electrodes on the opposite face, an electrode on one face and a diagonally opposite electrode on the opposite face of said one crystal being connected respectively to the terminals of said bridging branch, the other of said crystals having a pair of electrodes on one face and a single electrode on the opposite face, said pair of electrodes on said other crystal being also connected respectively to the terminals of said bridg-



ing branch, the remaining electrodes on said one crystal and said single electrode on said other crystal being connected to the remaining input and output terminals of said filter, and the dimensions of said crystals and the values of the reactance elements constituting said bridging branch being proportioned with respect to one another and with respect to two preassigned frequencies to provide a transmission band between said frequencies.

2,199,922
TOOTHBRUSH
Elbert Armstrong McManis and Walter Scott Uhler, Baltimore, Md.
Application April 18, 1938, Serial No. 202,770
2 Claims. (Cl. 15—135)



1. In a toothbrush structure, the combination of a hollow toothbrush head arranged for the extrusion of dentifrice therethrough, a barrel arranged for holding the brush head with a dentifrice passage in registry with the hollow portion of the head, said barrel having a boss extending into the interior of the barrel and adapted to hold the neck of a dentifrice tube in registry with the said passage for extrusion of its contents therethrough to the brush, said connecting portions of the barrel with the brush and the tube having an intervening passage for providing for the predetermined flow of the dentifrice stream, a thimble fitting on the barrel having a cylindrical plunger insertable and operable in the barrel and slightly smaller in cross-section than that of a dentifrice tube placed therein and spaced away from the walls of the barrel to permit the tube to spread out conveniently when collapsed by the pressure of the plunger thereon and to upset the tube on the boss when the collapsing portions approach said boss.

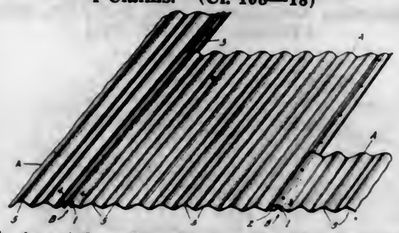
2,199,923
PHONOGRAPH NEEDLE
Melville A. Miller, Chicago, Ill.
Application January 21, 1938, Serial No. 186,178
Renewed September 12, 1939
5 Claims. (Cl. 274—38)

1. A phonograph needle consisting of a shank tapered at its lower end and terminating in a plane surface, a tapered tip of relatively hard material abutted against the terminus of the tapered end of the shank, and a sheath of relatively soft material overlapping the juncture between the shank and the tip and tapered interiorly at its lower end to closely embrace the tapered



end of the shank and the upper portion of the tapered tip.

2,199,924
SHEET METAL ROOFING
Nathaniel B. Randolph, Ladue, Mo., assignor to Granite City Steel Company, Inc., Granite City, Ill., a corporation of Delaware
Application June 19, 1939, Serial No. 279,870
4 Claims. (Cl. 108—18)

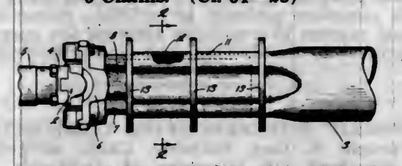


4. A metal roofing sheet or the like comprising a continuous series of longitudinal corrugations of the same size and shape except along one side margin which is formed with a relatively low upwardly and outwardly inclined longitudinal edge flange, a relatively low longitudinal ridge spaced inwardly from said edge flange a distance less than the width of said corrugations and a relatively high longitudinal rib of a depth substantially the same as the depth of said corrugations disposed between and cooperating with said relatively low ridge and edge flange to form relatively shallow longitudinal gutters on opposite sides of said relatively high ridge.

2,199,925
METHOD OF IMPROVING THE STABILITY OF ALKALINE SOLUTIONS OF PHENOLIC AZO DYESTUFF COMPONENTS
Theodorus Petrus Wilhelmus Sanders and Jacob van Rensen, Venlo, Netherlands, assignors to Naamlooze Vennootschap Chemische Fabriek L. van der Grinten, Venlo, Netherlands, a company of the Netherlands
No Drawing. Application February 5, 1938, Serial No. 188,912. In the Netherlands November 5, 1937
7 Claims. (Cl. 95—6)

1. Diazotype developing solution of alkaline reaction comprising an exclusively phenolic azo dyestuff component and not in excess of 0.1% of a tin compound.

2,199,926
RESILIENT SLIP JOINT
Benjamin A. Swennes, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 19, 1937, Serial No. 154,401
6 Claims. (Cl. 64—23)

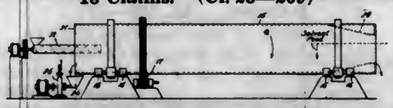


3. In combination, a universal joint having a yoke assembly, a stub shaft extending axially from said yoke assembly, a tubular propeller shaft having one end thereof overlapping said stub shaft and arranged with its inner wall spaced from the outer wall of the stub shaft, said stub shaft and overlapping portion of said propeller shaft being non-circular in cross section uniformly throughout the overlapping portions thereof, a resilient cushion interposed in the space between the overlapping shaft portions whereby torque may be transmitted between the shaft through said cushion, and reenforcing rings secured about the outer wall of the overlapping portion of the propeller shaft whereby to restrain said shaft portion against outward expansion.

2,199,927
CELLULOSIC PELLICLE
William Frederick Underwood, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 17, 1937, Serial No. 131,531
5 Claims. (Cl. 106—40)

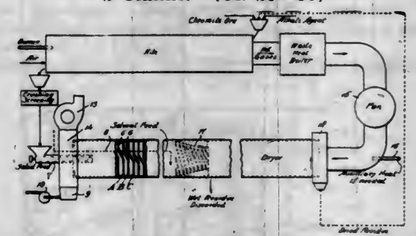
1. A flexible, durable pellicle consisting of regenerated cellulose impregnated with softener therefor, said softener consisting of 15% to 18% of a hydroxyalkyl derivative of ammonia having a boiling point of at least 175° C. at a pressure of 760 mm. of mercury and a solubility of at least 5% in water at a temperature of 60°–70° C.

2,199,928
ROTARY EXTRACTOR
Alfred E. Van Wirt, Glens Falls, N. Y., assignor to Imperial Paper and Color Corporation, Glens Falls, N. Y., a corporation of New York
Application February 9, 1938, Serial No. 189,635
18 Claims. (Cl. 23—269)



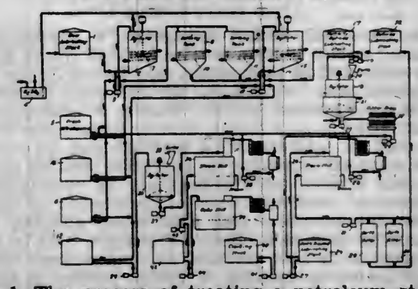
1. The improvement in continuously extracting soluble material from a mixture of soluble and insoluble materials which comprises countercurrently passing a liquid solvent for the soluble material and a mixture of the soluble and insoluble materials through an operatively connected series of rotating compartments in each of which agitation of the solvent and materials is effected in consequence of the rotation, and effecting the countercurrent movement of the mixture and solvent between one compartment and the next adjacent compartments during only a small part of each complete revolution of each compartment while a relatively small amount of mixture and solvent is confined in other compartments of the series, at which time the said other compartments are disconnected for the exchange of the mixture or solvent.

2,199,929
MANUFACTURE OF SOLUBLE ALKALI CHROMATES
Alfred E. Van Wirt, Glens Falls, N. Y., assignor to Imperial Paper and Color Corporation, Glens Falls, N. Y., a corporation of New York
Application February 9, 1938, Serial No. 189,636
2 Claims. (Cl. 23—56)



2. The cyclic method of producing alkali chromates which comprises calcining chromite ore with an alkali compound, subjecting the calcined product to a leaching treatment in a series of rotating compartments in which portions of the product are passed from one compartment to another and subjected successively to separate bodies of solvent of progressively decreasing alkali chromate content, the portions of the product moving countercurrent to the separate bodies of solvent and the solvent moving from one portion of the product to another while the other portions of the product and bodies of solvent are isolated in compartments disconnected for the exchange of solid or solvent, drying at least a portion of the residue from the leaching treatment with hot gases from the calcining operation, and returning to the calcining operation at least a portion of the dried residue.

2,199,930
ART OF REFINING HYDROCARBON OILS
John Walsko, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application March 21, 1938, Serial No. 197,062
2 Claims. (Cl. 196—13)



1. The process of treating a petroleum stock containing asphaltic impurities which comprises agitating the stock with a selective solvent in the presence of not over, approximately, 1% of an acid, which does not react with the selective solvent under the conditions of working, and which is not present in the solvent, as such, as an impurity below the temperature at which the stock becomes completely miscible with the selective

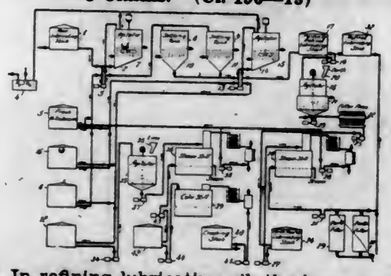
solvent, separating the solvent layer from the raffinate layer and removing the selective solvent from the raffinate layer.

2,199,931

ART OF REFINING HYDROCARBON OILS

John Walsko, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application August 1, 1931, Serial No. 554,392
8 Claims. (Cl. 196—13)



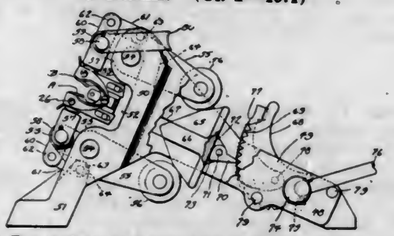
1. In refining lubricating oil, the improvement which comprises subjecting the oil to the action of nitrobenzene and sulphuric acid at the same time the amount of nitrobenzene relative to the oil approximating 50%–400% by volume.

2,199,932

BELT LACER

Orville B. Briggs, Perrysburg, and Albert L. Lamb, Toledo, Ohio, assignors to Safety Belt Lacer Company, Toledo, Ohio, a corporation of Delaware

Application December 21, 1936, Serial No. 116,911
In Canada January 31, 1936
5 Claims. (Cl. 1—49.4)



1. In a belt lacing apparatus, a supporting frame, a pair of jaws carried by said frame and movable toward each other, and means for moving said jaws, comprising: an operating member slidably mounted in said frame, a crankshaft journalled in said frame, a pawl having one end pivoted on said operating member and its other end adapted to assume an operative position projecting toward said crankshaft in substantial alignment with the path of movement of said operating member, said pawl being adapted to normally seek said operative position and to be supported in said position by engagement with said operating member, a ratchet pivoted to said crankshaft and having a toothed peripheral region adapted to project toward said operating member into operative engagement with the projecting end of said pawl and to transmit thrust through said pawl to said operating member in response to oscillating movement of said crankshaft, the teeth of said ratchet being arranged spirally with reference to the ratchet pivot, the ratchet being arranged to swing about its pivot to successively bring a more remote tooth into engagement with the pawl upon each oscillation of the crankshaft, whereby to advance said operating member step by step toward jaw closing position, and means for holding the operating member in each successive position of advance, said pawl being adapted, by yielding away from its operative position, to facilitate retraction of said ratchet to a position allowing the operating member to recede from jaw closing position.

2,199,933

FABRIC WATERPROOFING COMPOSITION

Norman N. Gay, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 21, 1937, Serial No. 160,307
10 Claims. (Cl. 134—15)

5. A liquid waterproofing composition comprising a mineral hydrocarbon wax, a substantially non-drying and highly viscous liquid olefin polymer in proportion by weight less than that of said wax but sufficient to substantially permanently soften and plasticize said wax, and a volatile hydrocarbon thinner, said waterproofing composition upon evaporation of said thinner leaving a coating which remains soft and plastic for a relatively long period of time.

2,199,934

PROCESS OF PREPARING HIGHER HALOGENATED KETONES

Paul Heisel and Albert Hendschel, Gersthofen, near Augsburg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application January 25, 1937, Serial No. 122,311. In Germany January 28, 1936
9 Claims. (Cl. 260—593)

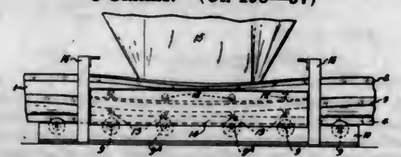
1. The process of preparing higher halogenated ketones which comprises treating undissolved monohalogen ketones at a temperature below their boiling point with the required quantity of halogen.

2,199,935

TUBULAR BELT CONVEYER

Henry Stinson Johns, Cleveland, Ohio, assignor to Bancroft Holdings Limited, Hamilton, Ontario, Canada, a joint-stock company of Ontario, Canada

Application September 8, 1939, Serial No. 293,873
8 Claims. (Cl. 198—57)



1. In a conveying mechanism, a moving preformed tube having the elastic characteristics of rubber and formed with a material carrying bore and having a longitudinally extending slit-like opening through the wall thereof, a pair of ribs positioned substantially opposite one another on the outer face of the tube and spaced away from the slit, and members bearing against the sides of the ribs to open the slitted elastic tube from its pre-formed tubular shape for the reception or discharge of material.

2,199,936

HYPOCHLOROUS ACID SOLUTIONS AND METHOD OF MAKING SAME

Hans O. Kauffmann, Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.

No Drawing. Application February 10, 1937, Serial No. 125,114
5 Claims. (Cl. 23—152)

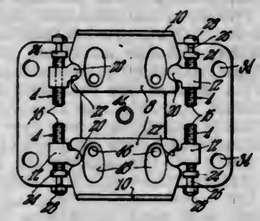
3. The method of manufacturing hypochlorous acid which comprises mixing a metal phosphate with a metal hypochlorite in aqueous solution and then acidifying the resultant solution with sulfuric acid to a pH value of less than 7 and above about 4.5.

2,199,937

SKI-BINDING DEVICE

Ernst R. Keller, Springfield, Mass., assignor to Dartmouth Co-Operative Society, Inc., Hanover, N. H., a corporation of New Hampshire

Application October 25, 1935, Serial No. 46,765
6 Claims. (Cl. 280—11.35)



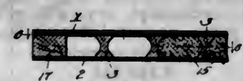
1. A device of the class described comprising in combination, a base plate formed to have a raised part, a cover plate having end parts bearing on the ends of the base plate and a raised part spaced from the raised part of the base plate, means securing the said plates together, shoe-engaging members on opposite sides of the device having plates slidably guided between the raised parts of said first named plates, pairs of adjusting screws at opposite ends of said first named plates and rotatable therebetween, nuts in threaded engagement with said screws, and operative connections between said nuts and the plates of the shoe-engaging members, the said means for securing the first named plates together including tubular portions of one plate which are extended into and through openings provided in the other plate and which are headed over the outside of said opening.

2,199,938

FLOOR PANEL FOR AIRCRAFT

George E. Kloote, Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation, a corporation of New York

Application February 10, 1938, Serial No. 189,823
2 Claims. (Cl. 20—91)



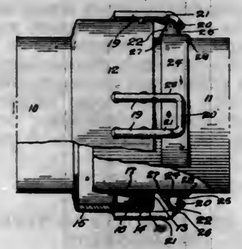
1. A compound hollow floor panel comprising a flat core composed of parallel wood ribs in which the grain runs lengthwise, wide, short wood spacing blocks closing the gaps between and bonded to the ribs at their ends so as to secure all of the ribs together, the grain of the wood in the spacing blocks extending in the same general direction as that in the ribs; the ribs and the spacing blocks being cut away on the under sides thereof to form deep rabbets along the longitudinal edges of the core, and bars of wood fitting against the end faces of the ribs and blocks and having portions fitting in and filling said rabbets, the bars, ribs and blocks being bonded together; and facing panels of plywood bonded to the broad faces of the core.

2,199,939

IRRIGATING PIPE COUPLING

Otto Knoerzer, Hammond, Ind., assignor to Champion Corporation, Hammond, Ind., a corporation of Indiana

Application May 26, 1939, Serial No. 275,825
3 Claims. (Cl. 285—174)



1. In an irrigating pipe coupling, two pipe sections connected by a water-tight joint, a pair of oppositely disposed semi-circular ring members surrounding and welded to one pipe section adjacent the end that is joined to the other pipe section, said ring members having hook members projecting from their ends, those on one ring member being disposed opposite to those on the other ring member, the oppositely disposed hook members being welded together to provide a single integral, reinforced hook and the adjacent ends of the ring members being welded to the pipe section, and said hook members having concave edges, in combination with coupling means connected to the other pipe section and adapted to engage the concave edges of the hook members.

2,199,940

PROCESS FOR TREATING SYNTHETIC LUBRICATING OILS

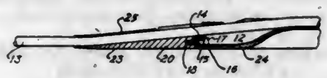
Hendrikus Stokman, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 7, 1938, Serial No. 194,323. In the Netherlands March 12, 1937
1 Claim. (Cl. 196—147)

In the process of treating a synthetic, substantially sludge-free hydrocarbon oil produced by polymerization of olefines with an active halide polymerization catalyst, said oil consisting substantially of components having viscosities higher than gas oil and harmful quantities of organic halogen compounds produced in said polymerization, to remove said halogen compounds and to produce a treated oil containing not more than .002% of chemically bound halogen, the steps of contacting said oil with a bleaching clay in an amount of 1 to 6% by weight of the oil at a temperature between 200 and 300° C. for a time exceeding about 10 minutes but insufficient to render the oil unstable, filtering the treated oil, concentrating the oil by distillation to the

required viscosity and then subjecting the concentrated oil to a decolorizing treatment with a bleaching clay at moderate temperature.

2,199,941
TROLLEY FROG AND APPROACH END
Samuel S. Stolp, Louisville, Ky., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application April 1, 1938, Serial No. 199,347
8 Claims. (Cl. 191—38)



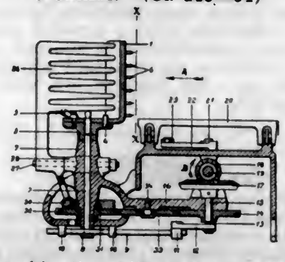
1. A trolley-conductor device comprising a body member having a channel adapted to receive a trolley-conductor; an approach-end member having a channel angularly disposed and adapted to receive and deflect said trolley-conductor, and a screw disposed substantially parallel to the axis of said conductor before being deflected in said device, said screw engaging and uniting said members.

2,199,942
PROCESS FOR PRODUCING NITROGEN TRICHLORIDE
Erich Staudt, Deventer, Netherlands, assignor to Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands, a company of the Netherlands
Application June 22, 1937, Serial No. 149,787
In the Netherlands June 30, 1936
7 Claims. (Cl. 204—9)

1. In the art of producing nitrogen trichloride wherein an aqueous solution containing ammonium and chloride ions and free acid is electrolyzed, and nitrogen trichloride is removed from the solution, the process which comprises removing only a part of the electrolytically produced nitrogen trichloride from the solution and contacting the remaining part of the electrolytically produced nitrogen trichloride with the solution for sufficient time to be decomposed thereby with the production of acid, the extent of said removal of nitrogen trichloride being such that the said remaining part of nitrogen trichloride so decomposed is sufficient in amount to yield at least enough acid to equal the amount of free acid consumed in the electrolysis.

4. Process for producing nitrogen trichloride which comprises electrolyzing an aqueous solution containing ammonium and chloride ions in the presence of free acid which imparts to the solution an acidity greater than the acidity of solutions consisting of ammonium chloride dissolved in water, and conducting a gas through the solution during the electrolysis thereof to remove nitrogen trichloride, said gas being of such a nature that in its passage through the solution nitrogen trichloride is carried out of the solution by said gas, the manner of conducting said gas through said solution and the rate of its passage through the solution being such that sufficient part of the nitrogen trichloride produced in the electrolysis is contacted for sufficient time for reaction with said solution for the production of acid that the acid thereby resulting at least equals in amount the acid consumed in the electrolysis, the remaining portion of the nitrogen trichloride which has not undergone reaction with said solution being carried away by said gas.

2,199,943
SLICING-MACHINE SLICE-STACKING MECHANISM
Wilhelmus Adrianus van Berkel, Brussels, Belgium, assignor to U. S. Slicing Machine Company, La Porte, Ind.
Application June 29, 1938, Serial No. 216,414
In Great Britain July 16, 1937
9 Claims. (Cl. 146—94)



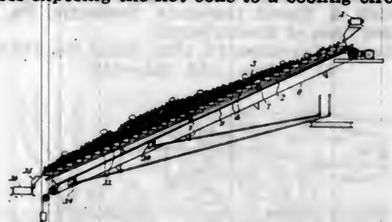
1. In combination with a slicing machine having a substance-supporting carriage and mechanism for reciprocating said carriage including crank-and-connecting-rod mechanism of which the connecting-rod has an offset connection to said carriage to give quick-return operation, slice-stacking mechanism including a slice-conveyer mounted for rotation adjacent said carriage gearing to rotate said conveyer to-and-fro, and additional crank-and-connecting-rod mechanism of which the crank is driven at the same speed as said carriage-reciprocating crank and of which the connecting-rod has an offset connection with said gearing to give quick-return operation of the conveyer in overall harmony with said carriage.

2,199,944
LUBRICANT
Adrianus Johannes van Peski and Johannes Andreas van Melsen, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 25, 1936, Serial No. 81,712. In the Netherlands June 1, 1935
11 Claims. (Cl. 87—9)

1. An extreme pressure lubricant comprising mineral lubricating oil and from about 1 to 10% by weight of a complex compound soluble in the said oil, having the formula $M_aA_m(BR_n)_x$ in which M is a metal selected from the group consisting of copper, silver, zinc, cadmium, mercury, nickel, cobalt, iron and aluminum, A is a radical capable of forming a compound with the metal M, m is the number of radicals A in the compound, a is the number of metal atoms in the compound, B is an element of the 5th and 6th groups, right hand side, of the periodic system of elements of the class consisting of nitrogen, phosphorus, arsenic, antimony, oxygen, sulfur, selenium and tellurium, n is a numeral equal to the valence of B, R is R^1 to R^n, R^1 to R^n being radicals selected from the group of alkyl, alkenyl, cycloalkyl, aryl, alkoxy and aroxy radicals and x is a numeral from 1 to 4.

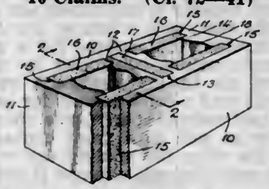
2,199,945
COOLING LOW TEMPERATURE COKE
Arthur A. Archer, Pittsburgh, and Raymond E. Zimmerman, Midway, Pa., assignors to Pittsburgh Coal Carbonization Company, Pittsburgh, Pa., a corporation of Delaware
Application October 26, 1937, Serial No. 171,052
8 Claims. (Cl. 202—37)

1. A method of cooling highly reactive low temperature cokes which ignite when exposed to the air hot as discharged from a carbonizer if the pieces of coke are allowed to remain continuously in contact with one another, which comprises exposing the hot coke to a cooling circula-



tion of air in a bed of such thickness that pieces of coke are in contact with one another, and while the coke is so exposed moving relatively to one another the pieces of coke which are in contact and thereby preventing continuously maintained points of contact therebetween.

2,199,946
BUILDING UNIT
Vern A. Barnhart, Chester, N. J.
Application November 19, 1938, Serial No. 241,356
10 Claims. (Cl. 72—41)



1. A building unit comprising a continuous integral shell forming a hollow open ended body, a preformed section of insulating material having one face located in free surface engagement with an inner face of said shell, and means integral with said shell projecting interiorly from a wall thereof in free surface engagement with the opposite face of said section of insulating material to fix the same in said shell

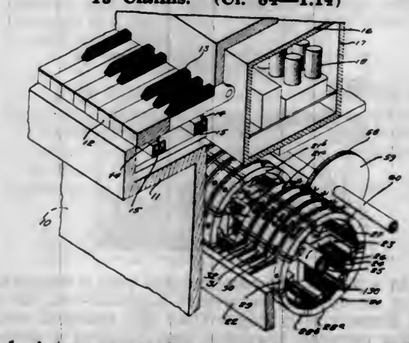
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2,199,947
DISPENSING NOZZLE
Richard W. Benofsky, Oakland, and Harold H. Daniels, Alameda, Calif.
Application July 31, 1937, Serial No. 156,772
5 Claims. (Cl. 221—147)



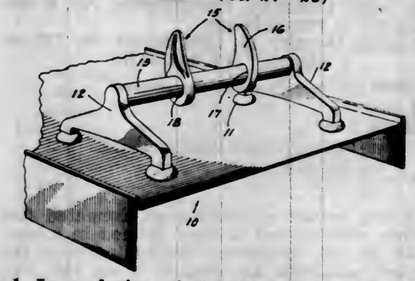
1. In combination with a receptacle having a side wall terminating at an upper lip, a liquid-dispensing nozzle comprising a tubular container provided with a valve discharge passage at and across its forward end, a movable valve element operative to close said discharge passage and inwardly displaceable for opening the passage, spring means normally operative to dispose said valve element for closing the passage, a valve stem extending axially forwardly from the valve element through said passage and arranged for oblique thrusting engagement with said receptacle wall for opening the valve against the resistance of said spring, and a hook means on said stem extending laterally therefrom and opening forwardly for engagement over the receptacle lip to limit the downward movement of the tip of the stem along the wall while the stem tip operatively engages the wall.

2,199,948
MUSICAL INSTRUMENT
Harry M. Brockway, Waldwick, N. J., assignor of one-fourth to Chester H. Braselton, New York, N. Y.
Application April 8, 1938, Serial No. 200,870
13 Claims. (Cl. 84—1.14)



1. A tone generator comprising arcuate blocks assembled in ring formation having sound tracks inscribed in a metallic base on the curved surfaces thereof adapted to develop notes of the same pitch but different timbre, and a rotor having plural movable members positioned within said ring and adapted to rotate with the movable members in close proximitv to the sound tracks on said sound blocks.

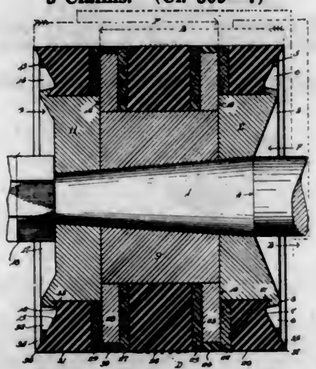
2,199,949
MORTICIAN'S CLAMP
Olin E. Davis, Whittier, Calif.
Application January 30, 1939, Serial No. 253,615
2 Claims. (Cl. 27—23)



1. In a device of the kind described a rod, means to mount said rod in a horizontally extending position upon a mortician's table in an upwardly spaced relation to the top thereof, and a pair of clamp members mounted upon said rod and adjustable therealong at different distances from each other, said clamp members consisting of elongated plates which have longitudinally

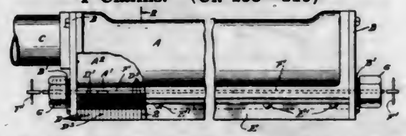
concave faces, the concave face of one of said plates being directed toward that of the other, said plates each having through one end portion thereof an angularly shouldered aperture of a greater size than the diameter of the rod to allow the mounted plates to have a tilting movement and gripping action in relation to the rod, whereby to grip between them the limbs of a corpse when drawn sufficiently near each other.

2,199,950
PISTON
William Weldon Flinchum, Oklahoma City, Okla.
Application February 1, 1937, Serial No. 123,550
5 Claims. (Cl. 309—7)



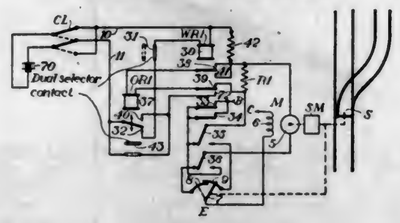
1. In a piston, the combination with a mandrel having an opening to receive a piston-rod, of a head diametrically larger than the mandrel and forming between the head and mandrel a pressure-receiving shoulder, a second head adapted to be placed on the mandrel and forming a second pressure receiving shoulder, means to hold said second head to the mandrel, plural rings mounted upon each head, and means co-operating with said shoulders for preventing pressure from reaching the plural rings alternately during piston strokes, intermediately disposed rings movably mounted between the pressure preventative means, said intermediately disposed rings being of fabric and highly resilient material.

2,199,951
GAS BURNER
Earl F. Gorman, Philadelphia, Pa., assignor to The Selas Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 18, 1938, Serial No. 235,556
4 Claims. (Cl. 158—116)



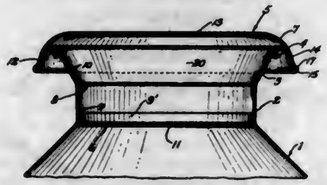
1. A gas burner comprising an elongated fuel chamber with burner orifices formed in a portion of its wall extending longitudinally of the chamber, and with an opening in an end wall of said chamber, a member extending into said chamber through said opening and comprising a flat bar portion within said chamber and bearing at one side against the inner side of said wall portion and adjustable longitudinally of the burner to open and close more or less of said orifices and thereby vary the effective length of said burner.

2,199,952
RAILWAY TRAFFIC CONTROLLING APPARATUS
Claude M. Hines, Pittsburgh, and Bernard E. O'Hagan, Swissvale, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 14, 1937, Serial No. 179,704
13 Claims. (Cl. 246—219)



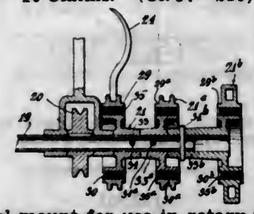
1. In combination, a reversible electric motor, a normal and a reverse operating circuit for the motor, control means including a current source and a manually operable pole changer as well as a pair of control wires for selectively governing said motor operating circuits, a resistor common to both of the motor circuits, a neutral relay having a winding connected across said resistor, said relay and resistor proportioned and adjusted to pick up the relay only when an overload current flows through the resistor for a predetermined interval, means controlled by the relay when picked up to interrupt the overloaded motor circuit; and a stick circuit for said relay comprising said current source, pole changer and control wires as well as a front contact and a winding of the relay for holding the overloaded circuit open until the pole changer is operated.

2,199,953
MILK CAN COVER
Louis J. Hois and Alexander C. Sladky, Milwaukee, Wis., assignors to Geuder, Paeschke & Frey Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 27, 1936, Serial No. 112,938
3 Claims. (Cl. 220—24)



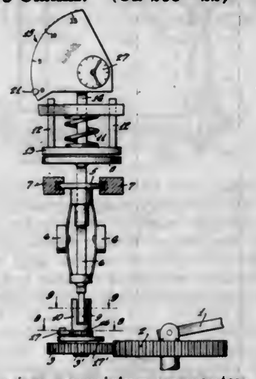
1. A cover for a container of the type having a flaring neck at its upper open end and comprising a plug-like closure member and an umbrella top, the plug-like closure member being constituted of an imperforate shell designed to snugly fit in and completely fill the opening at the upper end of the container and having an integral lower end wall and also having an integral flange at its upper end which curves upwardly and outwardly and then downwardly about and beyond the flaring neck of the container, said umbrella top consisting of an imperforate metal plate having an integral outwardly and downwardly curving annular flange, the edges of said flanges being interconnected, said top and said closure member defining a completely closed dead air space to render the cover heat insulating.

2,199,954
AGRICULTURAL IMPLEMENT
Cadwallader W. Kelsey, Troy, N. Y.
Application October 20, 1938, Serial No. 236,011
10 Claims. (Cl. 97—216)



1. A tool mount for use in rotary tillage comprising a disk adapted for axial mounting on a driven shaft, a resilient ring permanently secured to the peripheral edge of said disk, and a further metallic ring permanently secured to the outer peripheral edge of said resilient ring, said last named ring being formed with tool receiving socket portions.

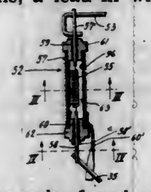
2,199,955
FORCE MEASURING DEVICE
Eugen Kruck, Neu-Isenburg, Germany
Application December 17, 1937, Serial No. 180,282
3 Claims. (Cl. 265—22)



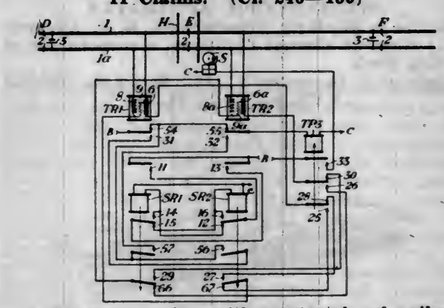
1. In a rowing exercising apparatus, the combination of an oar with a centrifugal device, means for rotating the centrifugal device when the oar is moved in one direction, including means for enabling the oar to be moved in the opposite direction without rotating the centrifugal device, a shaft which is axially displaced owing to the rotation of the centrifugal device, a disc on said shaft, a braking disc with which said former disc can coact, means for supporting said braking disc in such a manner that it is able to move in the direction of movement of said shaft and disc but cannot rotate, a spring which presses the braking disc towards the shaft disc, a rack connected to said braking disc and means for indicating the movements of the rack and braking disc as a measure for the lengths of the strokes.

2,199,956
MERCURY VAPOR GLOW LAMP
John W. Marden, East Orange, and Madison G. Nicholson, Jr., South Orange, N. J., assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 21, 1930, Serial No. 437,659
5 Claims. (Cl. 176—122)

1. In an electric discharge lamp, an envelope containing an ionizable gas, two spaced apart resistance heater elements within said envelope, a pair of thermionically active electrodes each of which comprises a tubular member surrounding one of said heater elements and adapted to be heated by the latter and closed at both ends by insulating means, a lead-in wire for each electrode, one of the ends of each of said heater elements being connected to their respective electrodes through the insulating means at one of the ends of said electrodes, and means for connecting the other ends of the heater elements through the insulating means at the other ends of said electrodes.



2,199,957
RAILWAY SIGNALING APPARATUS
Paul N. Martin, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 31, 1938, Serial No. 227,807
11 Claims. (Cl. 246—130)



1. In combination with a stretch of railway track divided into two track sections, a signal, a first track relay operatively associated with one of said sections, a second track relay operatively associated with the other of said sections, a first slow releasing stick relay associated with the first track relay for controlling said signal during traffic movements in one direction, a second slow releasing stick relay associated with the second track relay for controlling said signal during traffic movements in the opposite direction, a pick-up circuit for each stick relay including a back contact of the associated track relay and a back contact of the other stick relay, a stick circuit for each stick relay including a front contact of the stick relay and a back contact of the other track relay, an auxiliary relay controlled by both of said track relays, and circuit means controlled jointly by said auxiliary relay and by each track relay for at times controlling the release sensitivity of that track relay.

2,199,958
HOISTING SLING
Antonio Mazzella, Toronto, Ohio, assignor of one-half to P. J. Murray, Toronto, Ohio
Application May 12, 1939, Serial No. 273,177
11 Claims. (Cl. 294—74)

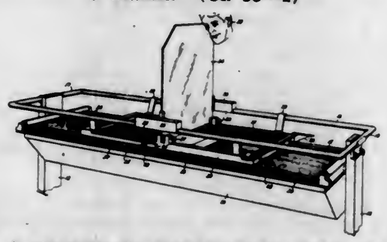
7. A hoisting sling comprising a body portion

with an eye at each end thereof, said body portion and said eyes being formed of helically wrapped cables, the number of strands forming said eye portions being greater than half the



number of cables in the body portion, and certain of said cables in the eye portions having both ends continued through and helically wrapped with other cables of the body portion.

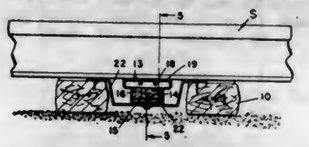
2,199,959
STEREOSCOPIC APPARATUS
Charles D. Moriarty, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 7, 1937, Serial No. 178,534
8 Claims. (Cl. 33—1)



1. A stereoscopic apparatus comprising a reflecting member providing a substantially plane reflecting surface, means for supporting a pair of stereoscopically related views on opposite sides of said member and in planes transverse thereto, a pair of similar indexing elements, each arranged to be associated with one of said views during the use of the apparatus and each adapted for motion parallel to the plane of its associated view, and means operable to produce simultaneous divergent or convergent motion of the indexing elements with respect to the reflecting member or alternatively to move the elements simultaneously in a single direction with respect to such member.

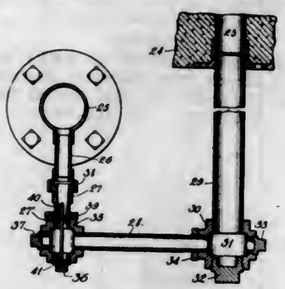
2,199,960
RAILROAD SWITCH HEATER
William E. Palmer, Sturtevant, Wis.
Application October 15, 1937, Serial No. 169,214
1 Claim. (Cl. 246—428)

In a railroad switch heater, a burner, hanger straps disposed below the switch rails, a supporting plate secured to the hanger straps having a longitudinally extending guide slot, a burner mounted upon said plate having depending slide pins received in said slot, whereby the burner can be shifted to an adjusted position rela-



tive to the switch rails, and means for supplying the burner with fuel.

2,199,961
COKE OVEN FUEL DISTRIBUTION
William H. Pavitt, Bronxville, N. Y., assignor to Adele Johnson Wilputte, New Rochelle, N. Y.; Louis Wilputte, executor of said Adele Johnson Wilputte, deceased
Application November 15, 1933, Serial No. 698,965
6 Claims. (Cl. 202—151)



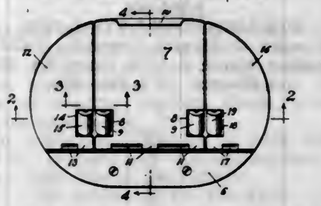
1. In a coke oven having a multiplicity of heating flues, the combination therewith of a separate heating-gas supply connection to each of said flues including flow regulating provisions comprising a restricted orifice and a throttling part replaceably mounted in said connection and extending axially through said orifice.

2,199,962
SANDING BLOCK
Carl W. Reichel, Sacramento, Calif.
Application August 10, 1939, Serial No. 289,342
1 Claim. (Cl. 51—187)



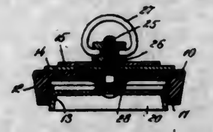
A sanding block to which a sheet of abrasive-coated sheet material may be attached comprising a flat sheet metal base having integral side and end flanges rising from the edges thereof, said side flanges being comparatively longer than said end flanges and being each provided with an arcuate upper edge, an arcuately curved plate secured along opposite edges to the curved upper edges of said side flanges, said plate terminating at its ends in spaced relation to said end flanges to provide between each end of the plate and an end flange an opening into which extending ends of said sheet material placed against said base may be stuffed so as to secure said sheet material to said base, said base having thereon a layer of metal softer than the metal from which said base is constructed, and said side flanges each having therein a depressed portion to provide a finger grip.

2,199,963
FOOT PEDAL ASSEMBLY
Arthur V. Romberger, South Pasadena, Calif.
Application January 23, 1939, Serial No. 252,324
5 Claims. (Cl. 74—560)



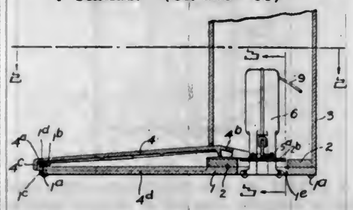
1. A pedal structure for operating the brake, the accelerator and clutch of an automobile and including a pedal structure with three sections contiguous to each other, in the same plane, and hingedly anchored at their lower ends, and roller elements near the juncture of said sections for lateral movement of the human foot thereon from one section to the other.

2,199,964
STOPPER
Albert F. Rook, Springfield, N. Y.
Application January 20, 1938, Serial No. 185,819
1 Claim. (Cl. 4—295)



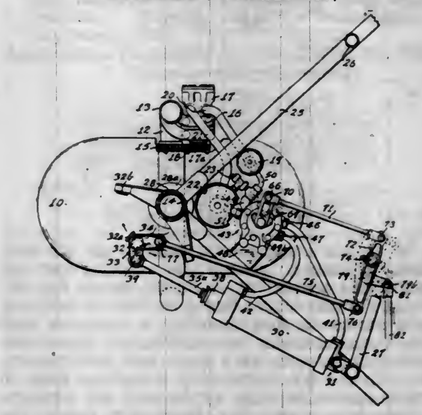
A movable stopper comprising a disk-like packing member of compressible resilient material having a flat body portion and a depending flange, a flat rigid washer over the top of said body portion, a tapered expander arranged to engage the inside of said flange, an externally threaded shaft affixed to the center of said expander and extending through the packing member and washer, an internally threaded nut on said shaft whereby the expander may be moved axially within the flange upon rotation of the nut in one direction, a spring interposed between the packing member and the expander for moving the expander in the opposite direction upon rotation of the nut in the opposite direction, and a finger piece pivotally but non-rotatively connected with the nut, whereby the stopper may be moved bodily and rotation imparted to the nut.

2,199,965
BODY VIBRATOR
Wesley D. Spencer, Los Angeles, Calif.
Application June 4, 1938, Serial No. 211,855
7 Claims. (Cl. 128—33)



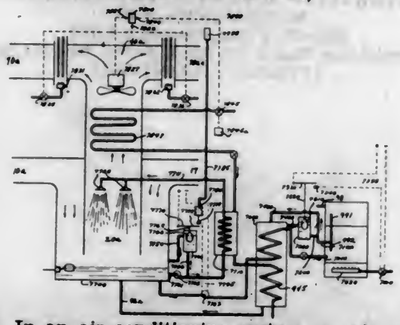
1. In a body vibrator, an electric magnetic vibrator supported on spaced legs secured to and projecting from its lower side and provided with a cushioned armature, a support secured to said armature and extending downwardly, and a platform secured to said support at one end and resiliently supported at its opposite end.

2,199,966
HYDRAULIC ACTUATOR FOR STEERING MECHANISMS, ETC.
Otto W. Timm, Glendale, Calif.
Application March 27, 1939, Serial No. 264,395
14 Claims. (Cl. 244—50)



10. In a nose-wheel unit for airplanes, a wheel fork, a shaft rising from said fork, a steering arm rising from said fork offset from said shaft, a sleeve encompassing said shaft, a triangular frame of which the sleeve forms the forward apex, a hydraulic cylinder approximately paralleling one side of said frame and pivoted thereto at its rear end, a plunger in said cylinder dividing the interior thereof into a right-turn chamber and a left-turn chamber respectively, a plunger rod extending from said plunger thru the forward end of the cylinder, a pivot pin connecting said plunger rod with said steering arm, a valve supported by said frame adjacent said cylinder and providing a high pressure inlet branch, a low pressure outlet branch, a right-turn branch and a left-turn branch, respectively, a flexible conduit leading from said right-turn branch to said right-turn chamber, a second flexible conduit leading from said left-turn branch to said left-turn chamber, an accumulator carried by said frame, connected with said source of high pressure fluid and also connected to deliver fluid to the high pressure inlet branch of said valve, a receiver connected to receive spent fluid from said low pressure outlet branch of said valve, a ported disc to said valve normally in neutral position in which it separates the left-turn and right-turn branches respectively from each other and from the other branches; said disc movable in one direction to provide communication between said high pressure inlet branch and said right-turn branch while connecting said left-turn branch with said low pressure outlet branch; said valve disc movable in the other direction from neutral to provide communication between said left-turn branch and said high pressure inlet branch while providing communication between said right-turn branch and said low pressure outlet, and steering means comprising means for moving said valve from neutral in either direction and vice-versa, and a pump connected to receive fluid from said receiver and to deliver fluid to said accumulator.

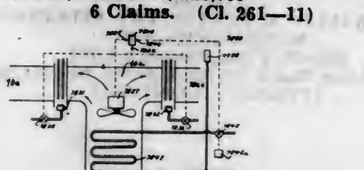
2,199,967
AIR CONDITIONING
Francis R. Bichowsky, Ann Arbor, Mich., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application May 26, 1934, Serial No. 727,707. Divided and this application August 19, 1938, Serial No. 225,769
6 Claims. (Cl. 261—11)



1. In an air conditioning system, an air contacting chamber, means for circulating air through said contacting chamber, means for circulating a hygroscopic liquid in contact with air in said air contacting chamber, a sump for said liquid, a concentrator for said liquid, liquid flow connections between said sump and said concentrator, means for circulating a cooling fluid in thermal exchange with air in said air contacting chamber, means for thereafter circulating said cooling fluid in thermal exchange with hygroscopic liquid about to contact air in said contact chamber, and means for thereafter circulating said cooling fluid in thermal exchange with hygroscopic liquid flowing from said concentrator to said sump.

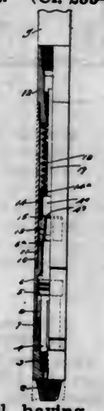
6. In combination with apparatus for regenerating a hygroscopic medium for use in drying a gas, a device for measuring one function of the moisture absorbing ability of said medium, apparatus operated by said device for controlling the regeneration of said medium, and temperature responsive means for adjusting the setting of said device.

2,199,968
PIN TICKET
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application October 2, 1935, Serial No. 43,205
3 Claims. (Cl. 40—25)



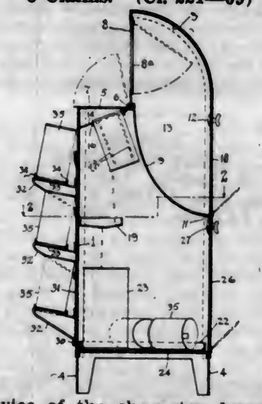
2. A price ticket comprising a plurality of long narrow sections interconnected along a weakened line extending lengthwise of the sections, the sections having at corresponding ends price-mark spaces containing aligned rows of duplicate marks extending transversely of the sections, each space extending lengthwise of the sections far enough to receive a plurality of rows of marks, the sections also having long narrow zones extending from said spaces toward the other end of the sections and containing rows of identification indicia extending parallel to said line, and an elongate fastener extending longitudinally of said line for attaching one of said sections in an elongate space bounded on one side by one of said zones and on one end by one of said spaces.

2,199,969
STRAIGHT PULL TOOL JAR
Edward C. Hamm, Norwalk, Calif.
Application March 6, 1939, Serial No. 259,991
4 Claims. (Cl. 255—27)



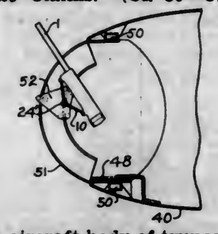
1. A well jar tool having, in combination, splined hammer and anvil parts, the anvil part having a friction shoulder, a set of tumblers having ends to engage the shoulder and the hammer part supporting the opposite ends, a trip control spring in the hammer part constantly acting on the tumblers to press them under said shoulder; said shoulder reacting on the tumblers to trip them out of engagement when predetermined tension is placed on the hammer and anvil parts, and means for varying the reaction of the spring by a relative rotation of said parts.

2,199,970
COMBINATION OIL SALVAGE AND REFUSE CONTAINER AND DISPLAY RACK
Harry W. Mitchell, Shaker Heights, Ohio, assignor to Mitchell Metal Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 22, 1938, Serial No. 215,290
8 Claims. (Cl. 221—69)



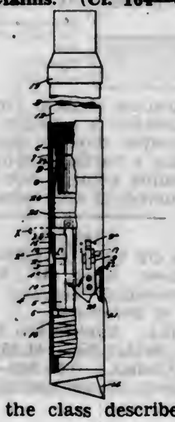
1. A device of the character described, comprising a cabinet having a closed compartment therein, and a plate mounted in said compartment having a plurality of openings therein, each opening having a plurality of circumferentially-spaced resilient metallic fingers extending downwardly from points adjacent the periphery of the openings, said finger being spaced more closely at their lower ends than at their upper ends.

2,199,971
AIRCRAFT GUN MOUNT AND SWINGABLE ENCLOSURE THEREFOR
John C. Sanders, Seattle, Wash., assignor, by mesne assignments, to The Pacific National Bank of Seattle, Seattle, Wash., a national banking association
Original application October 17, 1934, Serial No. 749,040. Divided and this application December 21, 1936, Serial No. 116,919
29 Claims. (Cl. 89—37.5)



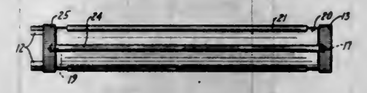
17. In an aircraft body of truncated but otherwise streamline form, terminating in an opening defining a generally vertical plane extending transversely of the direction of flight, a gunner's support within the aircraft body, a shell closing such opening, and disposed in continuation of the aircraft body, exposing, in such continuation, a shell surface substantially hemispherical in contour, to restore the streamline form, means upon the aircraft body, within such opening, and complemental means on the shell interengaged therewith, cooperating for guiding the shell to swing about an axis disposed diametrically of the shell's hemispherical contour and substantially parallel to the terminus of the aircraft body, and a gun mount supported for movement conjointly with the shell, and adapted to support a gun projecting from the shell for aiming movement with respect to the shell by a gunner supported upon the support within the aircraft body.

2,199,972
CIRCUMORBITAL CUTTING TOOL
Donald U. Shaffer, Brea, Frank D. Hobbs, Huntington Beach, and Edward C. Hamm, Norwalk, Calif.
Application May 27, 1938, Serial No. 210,446
19 Claims. (Cl. 164—0.7)



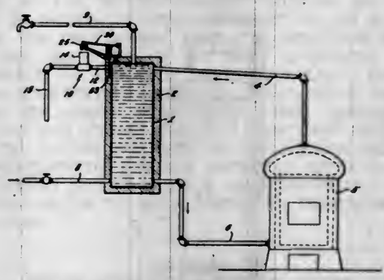
1. A tool of the class described including a tubular body, a reciprocative set of inwardly tiltable cutters in the body, a spring seated on a fixed part of the body for automatically sliding the set in one direction, means to tilt the sliding cutters, means normally restraining the sliding of the set, and means slidable in the body to engage and disrupt the restraining connection without action on the spring.

2,199,973
PRINTING MEANS
Harry E. Sheeler and Robert O. Engelauf, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland (1926)
Application December 31, 1938, Serial No. 248,808
8 Claims. (Cl. 101—415.1)



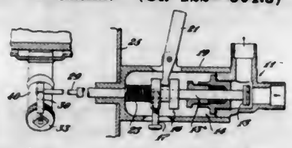
1. In a device of the class described, the combination of a printing roll, having a groove therein; a segmental cylinder formed of thin flexible material and having a printing element integral therewith, said segmental cylinder adapted to fit the periphery of the printing roll and having lateral nesting edges adapted to fit in the groove; and means, comprising recesses in the printing roll and a retaining rod, said rod cooperating with the nesting edges and the ends of said rod projecting into the recesses of the printing roll to retain said nesting edges in the groove, to removably secure the segmental cylinder and the printing element in place on the printing roll.

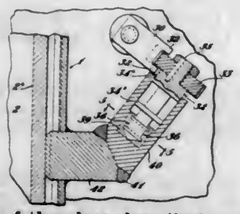
2,199,974
CONTROLLING DEVICE
William E. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Application February 26, 1937, Serial No. 127,963
5 Claims. (Cl. 74—100)



1. For actuating a device of the type having an armature and a permanent magnet for controlling the armature, apparatus comprising an actuating arm having one end fixedly secured to the permanent magnet, the actuating arm being of spring material and constructed and arranged to move with a snap action from a position in which the magnet is closely adjacent to the armature to a position in which the magnet is substantially spaced from the armature, and means operative to stress said arm thereby to cause it to snap in a direction such as suddenly to move the magnet in the direction away from the armature.

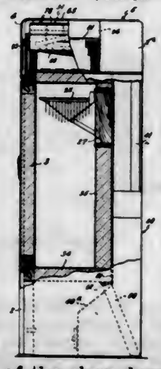
2,199,975
CONTROL DEVICE
Lyman F. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Application April 14, 1938, Serial No. 202,014
1 Claim. (Cl. 122—504.3)





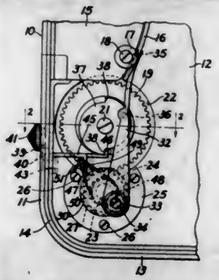
Apparatus of the class described comprising a mercury boiler, a heater for the boiler, a supply line for the heater, a shut-off device for the supply line operable to interrupt the operation of the heater, resilient means tending to cause operation of the device, a fusible body of bichromate of potassium in heat transfer relation to said boiler, a connection between said device and said body, said connection normally being locked by said body in a position to prevent operation of the device by said resilient means, the melting of the body resulting in release of the connection and the operation of the shut-off device under the influence of the resilient means.

2,199,976
HOUSEHOLD REFRIGERATION
Lyman F. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Application June 1, 1938, Serial No. 211,166
13 Claims. (Cl. 62—115)



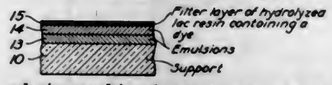
4. A cabinet of the class described comprising a food compartment, a lower chamber below the food compartment, the side walls of the cabinet being extended rearwardly at the sides of a rear space behind the food compartment, which space communicates with the lower chamber, the cabinet providing an upper chamber above the food compartment also communicating with said space, the walls of said upper chamber having air admitting openings above the food compartment but spaced from their upper edges, the upper part of the upper chamber being arranged to permit the outflow of upwardly moving air, whereby air entering through said openings may pass upwardly about an air-cooled condenser and outwardly at the top of the upper chamber.

2,199,977
CONTROL ARRANGEMENT FOR FILM HANDLING APPARATUS
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 26, 1939, Serial No. 252,953
10 Claims. (Cl. 192—139)



1. In a film handling apparatus, the combination with a casing having a stationary abutment, and an operating means including a movable toothed member, of a control member on said casing and having an engaging portion for engaging said toothed member to stop said operating means, the force of the impact of such engagement being partially absorbed by a resilient resistance exerted by said control member, and an abutting portion on said control member normally spaced from said stationary abutment and moved thereagainst to limit the movement of said control member upon engagement of said engaging portion with the moving toothed member.

2,199,978
ANTIHALATION AND FILTER LAYERS FOR PHOTOGRAPHIC FILM
Derek E. R. Ayres, Alan Batley, and Edward B. Knott, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 1, 1938, Serial No. 243,386
In Great Britain December 9, 1937
7 Claims. (Cl. 95—9)



1. A photographic element comprising a support having thereon a sensitive emulsion layer and a layer coated directly over said emulsion layer comprising a partially hydrolyzed lac resin having a softening point of not less than 70° C. and an acid number of approximately 130 to 180.

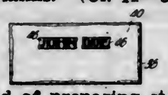
2,199,979
PROCESS OF VULCANIZING RUBBER
David J. Beaver, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 7, 1937
Serial No. 141,353
15 Claims. (Cl. 260—782)

12. The process of vulcanizing rubber which comprises heating rubber and sulfur in the presence of a compound possessing the structure



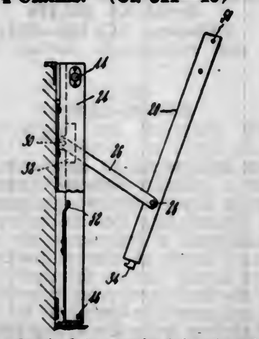
where R is a radical selected from a group consisting of aliphatic hydrocarbons and arylenes and X is selected from a group consisting of hydrogen, cadmium, magnesium, lead, zinc and substituted ammonium radicals and in addition thereto an organic rubber vulcanization accelerator selected from a group consisting of dithiocarbamates, thiuram sulfides, mercaptothiazoles and aldehyde-amines.

2,199,980
METHOD OF PREPARING STONE FOR TREATMENT BY SANDBLASTING
Joseph H. Behee, Independence, Mo., assignor of one-half to Roily Johnson, Independence, Mo.
Application March 24, 1938, Serial No. 197,876
6 Claims. (Cl. 41—39)



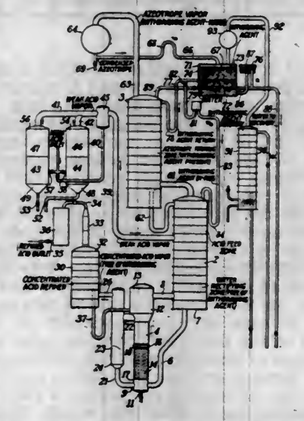
3. The method of preparing stone or the like for treatment by sandblasting to countersink a pattern therein which consists of applying on the face of the stone a coating of gelatinous substance; creating an opening through the coating to expose an area on the stone; assembling a plurality of gelatinous units, having the pattern provided therethrough, in a holder; affixing the units to the exposed area on the stone and in the opening through said coating; and flowing gelatinous substance over any portion of the stone left exposed through the opening after the units are in place.

2,199,981
WALL CABINET TABLE
Alfred B. Bell, Gardner, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application November 23, 1936, Serial No. 112,198
4 Claims. (Cl. 311—19)



4. A table adapted to project horizontally from a wall when in use and to be vertically against the wall when in idle position, a pair of supporting links pivoted at one end to said wall and at the other end to said table, and locking means operatively engaging one end of the table to secure it when the table is in position for use, and operatively engaging the other end of the table to anchor it when the table is in its vertical idle position.

2,199,982
PROCESS FOR STARTING AND BALANCING AZEOTROPIC DISTILLATION SYSTEMS
Arthur W. Bright and John H. Zeigler, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 25, 1936, Serial No. 92,635
5 Claims. (Cl. 202—42)



1. The process of operating a distillation unit for concentrating aqueous materials containing at least one lower aliphatic acid including azeotropic distillation with an ester-alcohol withdrawing agent, which comprises charging the unit with a predetermined amount of withdrawing agent insufficient, at a predetermined rate of feed of the acidic aqueous solution to the unit, to reduce the acid content of the off water from the unit to less than 1%, supplying said aqueous materials to the unit, subjecting the materials in the unit to a distillation treatment, withdrawing materials containing off water from the upper part of the unit, determining the acid content of the off water, and making several further additions of withdrawing agent, totalling several hundred pounds of agent to the distillation unit to cause a reduction in the acid content of the off water thereafter separated, to less than 1%.

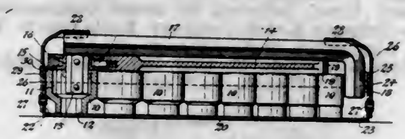
2,199,983
EXTRACTION OF FATTY ACIDS
Bernard K. Bright, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 5, 1937, Serial No. 129,237
12 Claims. (Cl. 260—541)

1. A process for recovering acid from an aqueous solution containing at least one of the lower fatty acids which comprises extracting the aqueous solution with an agent essentially comprising an alcohol having 10 carbon atoms.

11. As a chemical solvent for use in the recovery of acids from aqueous solutions containing at least one of the lower aliphatic acids, an

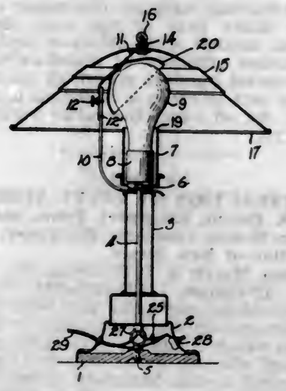
agent essentially comprising a carbo-cyclic alcohol of the non-benzenoid hydrocarbons mixed with pinenes and di-pentenes.

2,199,984
WRENCH SET HOLDER
Charles H. Chur, Buffalo, N. Y., assignor to The Keystone Mfg. Co., Buffalo, N. Y., a corporation of New York
Application November 7, 1938, Serial No. 239,210
1 Claim. (Cl. 206—16)



A holder for a wrench set having a plurality of sockets arranged in a row and a handle having an operating bar extending over said row of sockets and a shank projecting downwardly from the front end of said bar and along one end of said row of sockets, said holder comprising a trough shaped case which receives said row of sockets and the shank of said handle, two separate clasps having lower arms pivoted at their lower ends on the outer sides of the ends of said case so as to swing transversely thereto and longitudinal fingers projecting inwardly from the upper ends of said arms and each having a concave face on its underside which engages over one end of said bar independently of the engagement of the finger of the other arm with the opposite end of said bar and two resilient retaining jaws formed on the transverse ends of said case and one of said jaws having a pair of outwardly projecting locking lips which receive between them the arm of one of said clasps and the other retaining jaw having a pair of inwardly projecting locking lips which receive between them the shank of said handle.

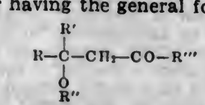
2,199,985
DESK LAMP
Fred Craib, Martinez, Calif.
Application March 23, 1938, Serial No. 197,649
3 Claims. (Cl. 240—81)



1. A reading lamp or the like comprising a base, an upright extending from said base and terminating in an open sleeve, a lamp socket in said open sleeve, a lamp in said socket, a reflector support extending upwardly from said upright below said lamp socket and including a detachable section extending upwardly around said lamp to terminate above said lamp in line with the axis of said upright, a substantially conical main reflector centrally mounted on the terminus of the detachable section of said reflector support and extending downwardly around said lamp with the rim of said reflector being below the level of the open end of said sleeve, and an auxiliary reflector on said detachable section of said reflector support and positioned around said lamp adjacent thereto and reflecting light from said lamp to one side of said main reflector.

2,199,986
YARN TREATING PROCESS AND COMPOSITION THEREFOR
Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1937, Serial No. 176,695
14 Claims. (Cl. 28—1)

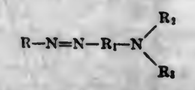
2. The process of conditioning yarn composed of or containing organic derivatives of cellulose to render it more amendable to textile operations including knitting, weaving, spinning, and the like which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening compound a keto-ether having the general formula:



where R is an alkyl group; R' is a substituent selected from the group consisting of hydrogen and alkyl; R'' is an organic radical selected selected from the group consisting of alkoxy alkyl and heterocyclic groups; and R''' is an alkyl group.

2,199,987
AZO COMPOUNDS AND PROCESS FOR DYEING THEREWITH
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 7, 1938, Serial No. 189,170
9 Claims. (Cl. 260—152)

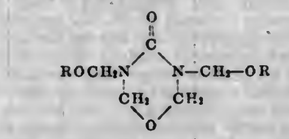
1. Azo dye compounds having the general formula:



wherein R represents an aromatic nucleus, R_1 represents a member selected from the group consisting of a benzene and a naphthalene nucleus, R_2 represents a member selected from the group consisting of hydrogen, an alkyl group, a cyclohexyl group, a phenyl nucleus, a tetrahydrofuryl group and a tetrahydrofuryl group joined to the hydrogen atom through a straight chain hydrocarbon linkage and R_3 represents a member selected from the group consisting of a tetrahydrofuryl group and a tetrahydrofuryl group joined to the nitrogen atom through a straight chain hydrocarbon linkage.

2,199,988
YARN CONDITIONING PROCESS AND COMPOSITION THEREFOR
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 17, 1938, Serial No. 246,519
13 Claims. (Cl. 28—1)

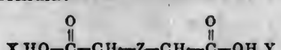
1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component an ether having the general formula:



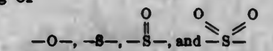
where R is an organic radical selected from the group consisting of the alkyl, alkylene and cycloalkyl groups.

2,199,989
YARN CONDITIONING PROCESS AND COMPOSITION THEREFOR
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 17, 1938, Serial No. 246,522
7 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning, the manufacture of staple fibers, and the like, which comprises applying a lubricating and anti-static composition containing as its essential lubricating and anti-static component a salt selected from the group consisting of organic amine, mixed organic amine and metallic salts of organic acids having the general formula:

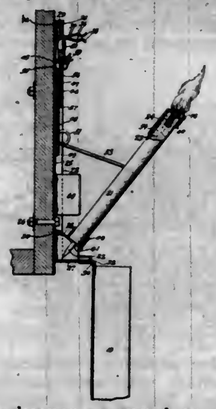


wherein X and Y are substituents selected from the group consisting of metals and organic bases and Z is a substituent selected from the group consisting of



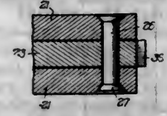
2,199,990
SIGNAL FLARE
Albert F. Godfrey and Reginald Wedgwood, Buffalo, N. Y., assignors of thirty per cent to Adam E. Shaw and 30 per cent to George M. Wilkins, both of Buffalo, N. Y.
Application August 2, 1938, Serial No. 222,668
8 Claims. (Cl. 177—324)

2. A signal flare comprising a support, a supporting arm pivoted on said support and adapted to carry a torch having an illuminant so that in one position the torch is retracted to the support and in another position the torch is projected therefrom, means for holding the torch in its retracted position including a rupturable fuse adapted to ignite the illuminant of said torch by the passage of an electric current through said fuse, a terminal collar mounted on said torch and having one end of said fuse attached



thereto, and a keeper arranged on said support and having the other end of said fuse connected therewith.

2,199,991
MULTIELEMENT WATT-HOUR METER
Stanley S. Green, La Fayette, Ind., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind., a corporation of Illinois
Application January 13, 1938, Serial No. 184,751
8 Claims. (Cl. 171—264)



5. A watt-hour meter mechanism including a plurality of electromagnetic driving elements and a rotatably mounted disc driven thereby and having a plurality of angularly staggered slotted conducting laminations substantially insulated from one another as to currents induced by the driving elements by thin, substantially non-flowable, insulating coatings and secured together by metallic rivets separated from all but one of the laminations by an insulating enamel.

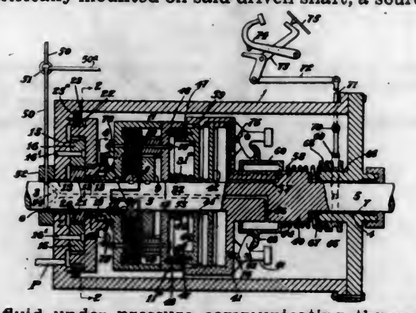
2,199,992
STABILIZATION OF POLYVINYL RESINS
Joseph B. Hale, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 5, 1937, Serial No. 129,249
8 Claims. (Cl. 260—73)

1. A hydrogen-stabilized polyvinyl acetal resin.

2,199,993
CHANGE SPEED SYSTEM
Jesse W. Hale, Newton Center, Mass.
Refiled for abandoned application Serial No. 66,995, March 4, 1936. This application July 19, 1937, Serial No. 154,426
19 Claims. (Cl. 74—260)

1. In a change speed device, a drive shaft, a driven shaft, an idler assembly connecting said shafts and including portions slidable and independently rotatable with reference to said shafts, means adapted to control said portions to effect desired ratios between said shafts, said means

including a stationary clutch element to prevent rotation of said portions counter to said drive shaft and a clutch adapted to connect said portions with said driven shaft, a pair of pistons concentrically mounted on said driven shaft, a source



of fluid under pressure communicating through said drive shaft with said pistons, a valve in control of said fluid under pressure, a governor adapted to operate said valve and operator controlled means adapted to affect said governor action as desired.

2,199,994

VACUUM DISTILLATION

Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

No Drawing. Application November 13, 1937, Serial No. 174,491

5 Claims. (Cl. 202—52)

1. The process of vacuum distillation which comprises heating a thin film of the organic substance which is to be distilled and condensing vaporized molecules upon a condensing surface which is separated from the thin film by substantially free unobstructed space, maintaining the pressure of residual non-condensed gas in the space between the film and the condensing surface at less than about 1 mm. by means of vacuum pumps, overheating the distilling substance so as to yield a vapor stream of the desired distillate having a vapor pressure of between .001 and 1 mm. of mercury, so that the molecules of vapor travel more than five times the mean free path in passing from the vaporizing film to the condensing surface, maintaining the residual non-condensed gas pressure lower than the pressure of the distilling vapors during the distillation, and limiting the time of exposure to heat in accordance with the overheating.

2,199,995

PREPARATION OF VITAMIN COMPOSITIONS

Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

No Drawing. Application March 15, 1938, Serial No. 196,031

6 Claims. (Cl. 202—52)

1. The process for preparing a vitamin concentrate from an oil which contains fat soluble vitamins including Vitamin A esters and free fatty acids which comprises in combination, neutralizing the free fatty acids, without causing substantial saponification of the oil, separating the oil from the neutralized acids, subjecting the oil to high vacuum distillation and separating a distillate fraction containing a vitamin.

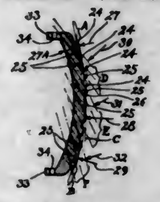
2,199,996

SAFETY SIGNALING MEANS

Clifton H. Hobson, Palmer, and Charles Giroux, Three Rivers, Mass.

Application July 10, 1936, Serial No. 90,014

3 Claims. (Cl. 88—82)



3. A reflecting unit comprising a body portion of homogeneous vitreous sheet-like material having a concave spherical surface on its under side and a convex spherical surface on its outer side and having an outline other than circular, a plurality of separate reflective units in edge to edge relation with each other and covering the useful area of said outer convex surface, said reflecting units being provided with relatively flat facets disposed at different angular relation with each other and being arranged in groups with some of the facets of each group disposed toward the front of said convex surface and others disposed at an angle relative to said front facets, some of the like facets of each group being disposed in different substantially parallel planes with the angularly disposed facets of said groups having meeting edges, said like facets of each group being so arranged as to provide a plurality of separate reflective surfaces facing different directions to simultaneously reflect light impinging thereon from said directions with the front facets of each respective group angled relative to the front facets of the other of said groups.

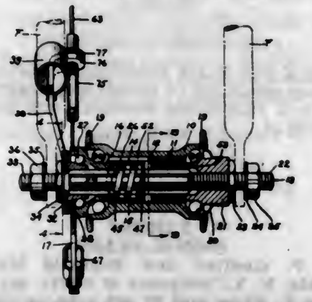
2,199,997

BRAKE

Frederick G. Hughes, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 11, 1938, Serial No. 189,979

13 Claims. (Cl. 188—26)



1. In a device of the character indicated, an axle, a hub rotatable about the axle, brake members respectively interlocked with the axle and with the hub for relative movements into and out of braking engagement with each other, an anchoring arm interlocked with a portion of the axle and holding the axle from rotation remote from the brake members and brake operating means between the anchoring arm and said brake members, whereby the torsional stresses of braking will be distributed and absorbed in the axle; substantially as described.

2,199,998

CAMERA SHUTTER

Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 26, 1938, Serial No. 237,017

7 Claims. (Cl. 95—60)



1. In a shutter for photographic cameras, the combination with an apertured casing, of a shutter blade adapted to cover and uncover the aperture, an oscillatable member mounted on the casing, means to oscillate the member on its mount, a pivotal mount carried by the oscillatable member and rotatably supporting thereon said shutter blade and a gear fixedly carried thereby, a gear carried by the shutter meshing with the shutter blade gear, whereby oscillation of the oscillatable member may swing the shutter through engagement of the shutter gear and blade gears, a trigger, and a spring connecting the trigger and oscillatable member for operating the latter from the former when the trigger is moved.

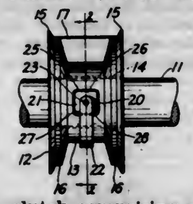
2,199,999

FRICTION CLUTCH

Einar W. Jensen and Charles E. Ives, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 19, 1938, Serial No. 241,435

2 Claims. (Cl. 64—30)



1. A friction clutch comprising a driven shaft, a roller loosely mounted on said shaft and formed with a pair of diametrically arranged radial openings, a clutch member slidably mounted in each of said openings and radially movable therein to engage said shaft to operatively connect the latter to said roller, and a U-shaped spring having the ends thereof secured to said diametrically arranged clutch members to yieldably press said clutch members radially to frictionally engage said shaft.

2,200,000

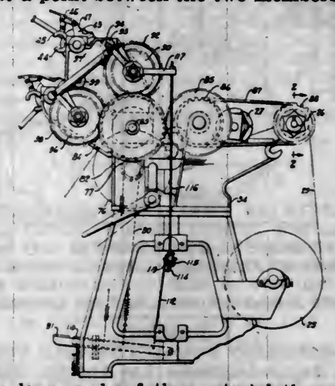
ART OF WINDING FLEXIBLE MATERIAL

Robert McC. Johnstone, Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York

Application September 10, 1937, Serial No. 163,190

4 Claims. (Cl. 242—56)

1. The method of winding flexible material into successive rolls which consists in winding a portion of said material on a member, interrupting the winding operation, moving said member out of winding position and moving a second member into engagement with the unwound material to thereby unwind a portion of the wound material from said first member and to create a taut portion of material that extends between said first and second members, severing the material at a point between the two members, tucking the loose ends of the material thus formed one against the wound material on the first member and the other against the second member, and then continuing the winding operation of the material on the second member.



2,200,001

FILM CASTING MACHINE

Roger B. Kenyon, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 4, 1938, Serial No. 193,927

8 Claims. (Cl. 18—15)



8. In an apparatus for the manufacture of a continuous web from a coagulable dope, the combination with a rotary wheel on which the dope is cast to form the web, of means for casting the dope on said wheel, a casing for conducting moist air along said web to congeal the latter, an inverted U-shaped chamber positioned adjacent said casting means and along an edge only of said web and adapted to apply high humidity and high temperature air directly to said edge to precure and stiffen said edge, means on said chamber for controlling the pressure of said air therein, and means for adjusting said chamber relative to said drum.

2,200,002

PAPER MAKING MACHINE

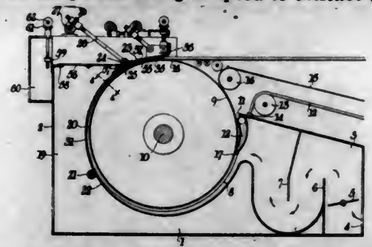
Gerould T. Lane and Wendell Butterfield, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 16, 1937, Serial No. 120,971

10 Claims. (Cl. 92—43)

1. In a paper making machine, the combination with a vat, of a cylinder rotatably mounted therein, a making wire passing into the vat, around the cylinder and extending horizontally therefrom, deckle straps spaced apart and carried on the edges of the making wire, a vat circle extending around a large portion of the cylinder, a flow controller pivotally mounted adjacent the vat circle and including a curved face extending about a considerable portion of the cylinder, said curved flow controller including edge portions of different curvature connected to the curved face

of the flow controller by spaced parallel walls spaced in accordance with the spacing of the deckle straps and being adapted to contact there-



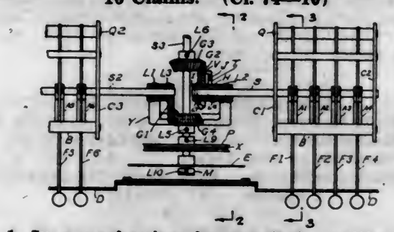
with, whereby the flow controller may lie partially between the deckle straps to control a relatively thin flow of stuff on the making wire as the same is lead horizontally from the vat.

2,200,003

TRANSMISSION FOR AUTOMATIC TUNERS

Le Roy J. Leishman, Los Angeles, Calif.

Application November 29, 1937, Serial No. 177,061
16 Claims. (Cl. 74—10)



1. In a mechanism for angularly positioning a control element of a radio device, a combination including: a first shaft; a second shaft and a third shaft substantially in axial alignment with each other and lying on opposite sides of said first shaft and in substantially the same plane as said first shaft; a U-shaped member attached to said second and third shafts; and a bevel gear connection between said first and second shafts.

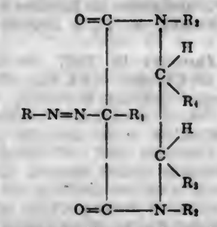
2,200,004

AZO COMPOUNDS AND PROCESS FOR COLORING THEREWITH

James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 12, 1938, Serial No. 240,114
12 Claims. (Cl. 8—50)

6. The process of coloring material made of or containing an organic derivative of cellulose which comprises applying thereto a nuclear non-sulfonated azo dye compound having the general formula:



wherein R represents the residue of an aromatic nucleus, R_1 represents a member selected from the group consisting of hydrogen and an alkyl group, R_2 and R_3 each represents a member selected from the group consisting of hydrogen, an alkyl group, an aralkyl group, an aryl group and a furyl group attached to the nitrogen atom through the carbon atom in the 2-position by means of a saturated straight chain hydrocarbon radical containing not more than four carbon atoms and R_4 and R_5 each represents a member selected from the group consisting of hydrogen and an alkyl group.

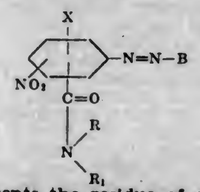
2,200,005

AZO DYE COMPOUNDS AND MATERIAL COLORED THEREWITH

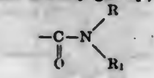
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 8, 1938, Serial No. 244,638
9 Claims. (Cl. 260—205)

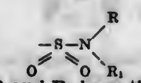
1. The azo dye compounds having the general formula:



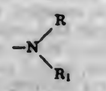
wherein B represents the residue of a member selected from the group consisting of an aryl nucleus of the benzene series containing but one benzene ring, an aryl nucleus of the naphthalene series, a heterocyclic nucleus, a 1,3-cyclohexadione nucleus, said benzene, naphthalene, heterocyclic and cyclohexadione nuclei being joined to the azo bond through their nuclei, and an aryl ketoacidylamino residue joined to the azo bond through the ketoacidylamino group, R and R_1 each represents a member selected from the group consisting of hydrogen, an alkyl group, an allyl group, a phenyl nucleus and a cyclohexyl group, X represents a member selected from the group consisting of a nitro group, a halogen atom, an alkyl group, an alkoxy group, a



group and a



group, wherein R and R_1 have the meaning above given, and



may be morpholine.

2,200,006

AZO COMPOUNDS AND MATERIAL COLORED THEREWITH

James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 15, 1939, Serial No. 268,124
11 Claims. (Cl. 260—205)

1. The azo dye compounds having the general formula:

$$R—N=N—R_1$$

wherein R represents an aryl nucleus of the benzene series containing but one benzene nucleus, said aryl nucleus being substituted with at least one nitro group and at least one —S—R_2

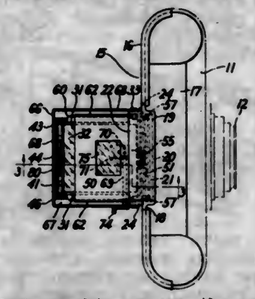
group, wherein R_2 represents a member selected from the group consisting of hydrogen, an alkyl group and a hydroxyalkyl group and R_1 represents a member selected from the group consisting of a hydroaromatic nucleus, a heterocyclic nucleus, a N-alkylarylamine of the benzene series and a N-alkylarylamine of the naphthalene series and wherein said N-alkylarylamines contain but one benzene and but one naphthalene nucleus, respectively.

2,200,007

FOCUSING ADAPTER

Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 28, 1938, Serial No. 237,513
8 Claims. (Cl. 95—44)



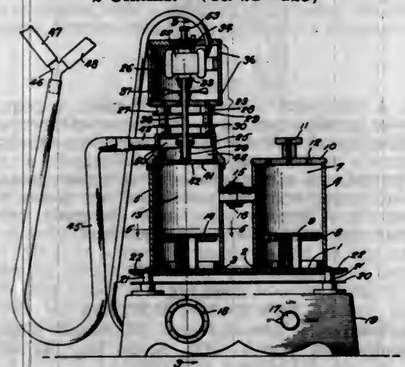
1. In a photographic camera, the combination with a camera body, a lens on the front of said body, of a focusing adapter mounted on the back of said body and formed with an opening in alignment with said lens, a ground glass focusing screen positioned in said opening and arranged to receive an image formed by said lens, a mirror hingedly secured to said adapter, a reading lens pivotally mounted on said mirror and spaced from said screen, means for automatically moving said mirror and reading lens to one position so that said image may be viewed from one direction, means for moving said mirror and reading lens as a unit to another position so that the image may be viewed from another direction, and means for locking said reading lens and mirror in said last mentioned position.

2,200,008

THERAPEUTIC APPARATUS FOR VAPOR TREATMENT OF THE EAR

John J. Nowak, Buffalo, N. Y.

Application March 4, 1938, Serial No. 194,006
2 Claims. (Cl. 21—125)



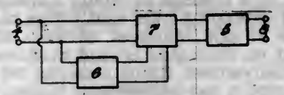
1. Therapeutic apparatus for vapor treatment of the ear comprising in combination with a source of vapor, a pump adapted to produce and deliver a pulsating current of vapor, said pump comprising a casing; an impeller in said casing, the latter being provided with a tangentially disposed outlet in the zone of said impeller, the latter having alternate long and short blades, the long blades coming in proximity to the inner peripheral wall of said casing while the shorter blades terminate at a distance remote from said peripheral wall.

2,200,009

TELEVISION AND LIKE RECEIVER

Thomas Cayton Nuttall, London, England, assignor to Baird Television Limited, Lower Sydenham, London, England, a British company

Application April 17, 1939, Serial No. 268,397
In Great Britain April 29, 1938
8 Claims. (Cl. 178—44)



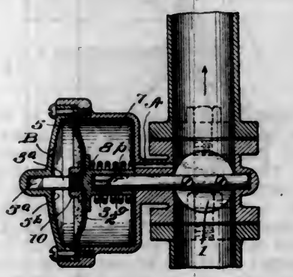
1. A method of separating synchronising impulses of a greater duration from synchronising impulses of a lesser duration which comprises applying original impulses to a network such as to produce a time delay at least equal to the time length of the shorter impulses, mixing the delayed impulses with the original impulses and applying the combined impulses to a device adapted to pass only signals exceeding the individual amplitude of the delayed and original impulses when mixed.

2,200,010

BACKFIRE SAFETY DEVICE

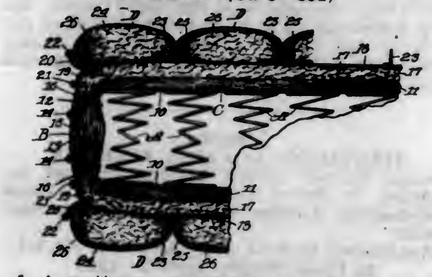
Frederick Strattner Orem, Baltimore, Md.

Application October 29, 1935, Serial No. 47,316
7 Claims. (Cl. 137—153)



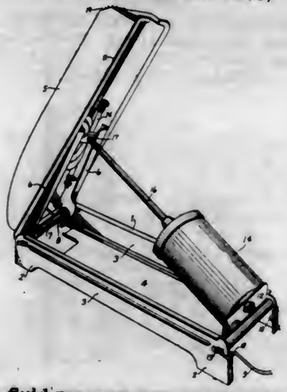
1. In combination, a rotary valve in the intake pipe of an internal combustion engine, a rotary shaft carrying said valve, a chamber in communication with said intake pipe, and a diaphragm disposed in said chamber and subject to variation in pressure therein, a non-rotary projection from said diaphragm, and a connection between said projection and said rotary shaft whereby movement of said diaphragm rotates said valve, said chamber being in communication with said intake pipe by means of a port on the engine side of said rotary valve and by means of a port on the opposite side of said valve, and a ball valve closing said first mentioned port and opened under suction in the intake pipe.

2,200,011
MATTRESS
John P. Riley, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a corporation of Illinois
Application December 27, 1937, Serial No. 181,907
2 Claims. (Cl. 5—351)



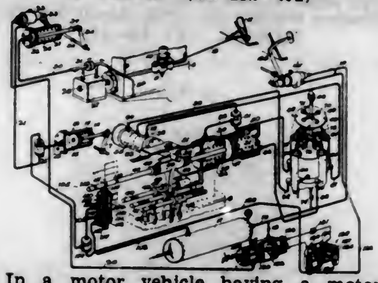
1. A mattress comprising: a spring structure enclosed in a blanket of filling material, a casing sheet extending over said filling material on each side of said mattress, dividers stitched to said sheet on each side of said mattress and extending thereacross, filling material between said dividers, and a top and bottom ticking enclosing the filling material between said dividers, said ticking being provided with pleats and being secured to the top portions of said dividers at the recessed portions of said pleats.

2,200,012
PNEUMATIC PUMP
Linus E. Russell and George E. Peters, Springfield, Ohio, assignors to Peters and Russell, Inc., Springfield, Ohio, a corporation of Ohio
Application April 6, 1939, Serial No. 266,320
15 Claims. (Cl. 230—190)



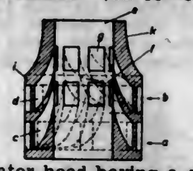
1. In a fluid pressure pump, a two part housing including a pan like base portion and a dome shaped cover portion hinged one to the other adjacent one end, spring means for automatically retracting the dome shaped cover to open position, a pump cylinder pivotally connected to the base portion at the end opposite the hinge connection, a reciprocatory piston within the cylinder, a piston rod connected thereto and projecting beyond the cylinder, a cross-head pivotally connected at mid-length of the dome shaped cover interiorly thereof to which the piston rod is connected, the construction and arrangement being such that the piston is actuated within the cylinder by the to and fro swinging motion of the dome shaped cover and the pump is completely enclosed within the housing when the dome shaped cover is swung to closed relation with the base portion, and means for locking the dome shaped cover in its closed relation with the base portion.

2,200,013
VEHICLE CONTROL MECHANISM
Roy S. Sanford, New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application June 25, 1935, Serial No. 28,336
25 Claims. (Cl. 192—.01)



1. In a motor vehicle having a motor, a clutch-controlling member, and a transmission of the type having an element oscillatable to select and longitudinally movable to establish a desired gear relation, fluid-operated means for controlling disengaging and engaging movements of said clutch member, motor-operated means for controlling the flow of fluid pressure to said fluid-operated means, fluid motor means for oscillating said element, a second fluid motor means for moving said element longitudinally, and means operable by said second motor means for effecting clutch disengaging movement of said clutch member prior to engagement of said element.

2,200,014
VENTILATOR HOOD
Gottfried Wolf, Hochheid, near Gellenkirchen, Germany
Application February 21, 1938, Serial No. 191,772
In Germany March 1, 1937
2 Claims. (Cl. 98—80)



1. A ventilator hood having a shell, a central uptake passage joining to the chimney aperture, a plurality of spirally curved upwardly directed channels in the shell open to the outside at the lower end and open to the central uptake passage at the upper end and positioned one above the other in different tiers, said channels being curved oppositely in the different tiers.

2,200,015
PISTON CONSTRUCTION
Alexander M. Alexandrescu, Cleveland, Ohio
Application May 7, 1937, Serial No. 141,352
7 Claims. (Cl. 309—7)

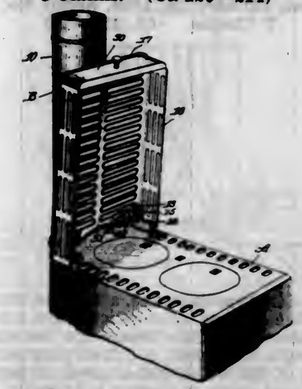
1. In a piston for internal combustion engines,

a head, a ring column having grooves therein, rings in said grooves, said ring column also having an undercut portion forming a channel about the piston offset inwardly from the outer perimeter of the ring column, said piston having exit means for said channel extending completely



through the wall of the piston and communicating on its external face with the outer surface of said undercut annular portion and a pair of inwardly extending flanges carried by said ring column at diametrically opposed points, said exit being disposed between a pair of flanges.

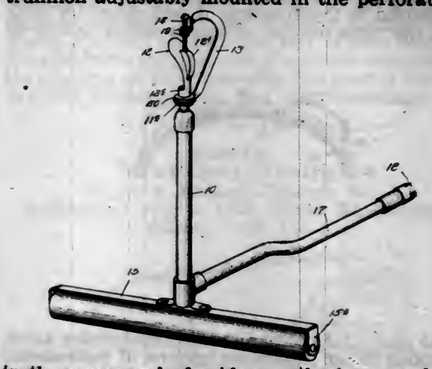
2,200,016
COVER MECHANISM
Lawrence A. Althoff, Chicago, Ill.
Application August 8, 1938, Serial No. 223,752
5 Claims. (Cl. 126—214)



1. In combination with a frame equipped with a pair of upwardly extending spaced brackets, each bracket having a vertically extending guide slot and a roller socket, and a side-equipped cover having rollers adapted to engage said roller socket when the cover is in raised position, locking said cover against rearward and vertical movement, said cover being also provided with guide pins engaging said slots, said pins being adapted to move downwardly when said cover is raised.

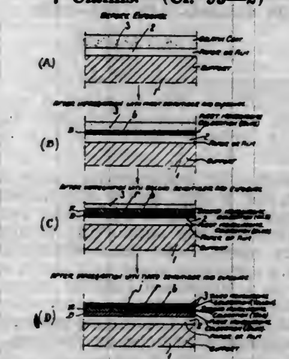
2,200,017
LAWN SPRINKLER
Anton Anderson, Chicago, Ill.
Application November 13, 1939, Serial No. 304,222
2 Claims. (Cl. 299—66)

1. A lawn sprinkler, including: a vertical pipe; a jet nozzle carried on the upper end of the pipe having external threads thereon; a thin bowed sheet metal supporting arm having its major portion lying in a vertical plane radial to the axis of the jet nozzle, the lower end of said arm being bent into a horizontal plane and perforated to receive the end of the jet nozzle through said perforation, the upper end of said arm also being bent into a horizontal plane and perforated and lying over the jet nozzle; a lock nut on the jet nozzle holding the lower end of said arm thereon; a baffle rotatably mounted on the jet nozzle; a bearing block on the baffle; and a depending trunnion adjustably mounted in the perforation



in the upper end of said arm, the lower end of said trunnion engaging the bearing block on the baffle.

2,200,018
PROCESS OF POLYCHROME PHOTOGRAPHY
Jean Pierre Bertrand, Paris, France
Application June 22, 1938, Serial No. 215,109
In France July 9, 1937
7 Claims. (Cl. 95—2)

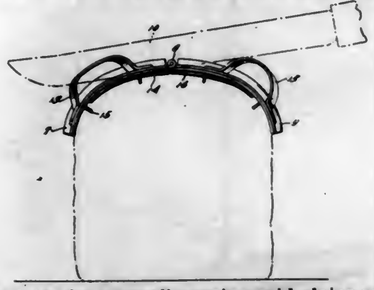


1. Process of polychrome photography comprising applying a thick coat of gelatine upon a support, impregnating a first lamellar zone of the coat of gelatine next to the support with a first solution producing, when in the light, a first monochrome coloration; exposing the coat of gelatine to light with the interposition of a selected negative corresponding to said first coloration; washing the coat of gelatine; impregnating a second lamellar zone of the coat of gelatine next to the first lamellar zone with a second solution producing, when in the light, a second monochrome coloration; exposing the coat of gelatine to light with a selected negative interposed corresponding to said second coloration; and washing the coat of gelatine.

2,200,019
HAND GUARD
John O. Boehme, Washington, N. J.
Application March 10, 1939, Serial No. 261,063
1 Claim. (Cl. 146—150)

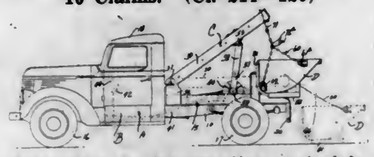
A hand guard comprising a pair of elongated rigid plates having struck therefrom tines, thumb and finger stall forming elements secured on

said plates, a hinge connecting the adjacent longitudinal edges of said plates whereby on a closing action of a person's hand said plates will be moved in the direction of each other for forcing the tines into an article, a spring acting on



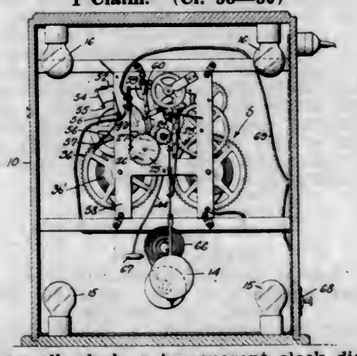
said plates for normally urging said plates apart, a rolled flange formed on one end of each of said plates in longitudinal alignment with each other to form a knife guide, and a sheet of heat resisting material secured to the inner face of each of the plates.

2,200,020
LOADING, HAULING, AND DUMPING APPARATUS
Lew Wallace Brooks, Knoxville, Tenn.
Application May 19, 1938, Serial No. 208,935
10 Claims. (Cl. 214—120)



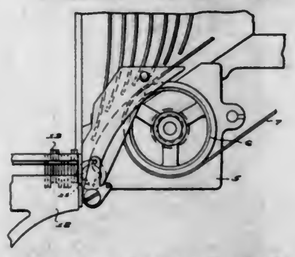
1. Apparatus for transporting materials comprising a truck, a skip, and a skip handling unit on the truck including a depending rear apron and a horizontal skip supporting platform forward of the apron, hoist mechanism for elevating said skip upwardly along said apron and then forwardly to a supported position directly upon said platform, and means for automatically tilting the skip to a load dumping position as the skip is lowered by said hoist mechanism.

2,200,021
ELK CLOCK
James W. Clark, Bristol, Pa.
Application July 7, 1937, Serial No. 152,443
1 Claim. (Cl. 58—50)



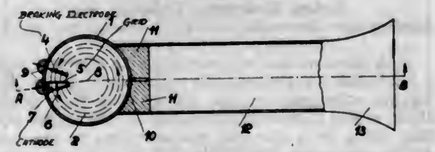
In an elk clock, a transparent clock dial, an electric lamp back of the dial for illuminating the dial, a circuit for the lamp, a clockwork alarm mechanism, a spring pressed mutilated wheel normally held in neutral position, said wheel having a series of eleven successive teeth, a dog engaged in a notch in the wheel at one end of the series of teeth and holding the wheel stationary against the tension of its controlling spring, means operated by said mechanism to lift the dog out of said notch and permit the wheel to be moved by its spring so that the dog is pushed over the initial tooth for engaging by step movement each tooth successively, a flasher switch disc geared to the alarm mechanism to be rotated one revolution at each step movement of the wheel, a contact pin on the disc, and a spring switch contact engageable by the contact pin simultaneously with step movement of the dog to close said lamp circuit and flash the lamp at each step advance of the wheel past the dog.

2,200,022
MATRIX ASSEMBLER FOR TYPOGRAPHICAL MACHINES
Cleo E. Cook, Kingsport, Tenn., assignor to Linotype Parts Company, New York, N. Y., a partnership
Application January 16, 1940, Serial No. 314,139
7 Claims. (Cl. 199—27)



1. In a Linotype machine, a toothed wheel controlling the feeding of matrices into an assembling channel and drive means for the wheel and comprising a drive gear, a driven gear secured on the shaft of the wheel and a speed reduction unit between said gears including a plurality of idler gears mounted for bodily rocking movement to adjust said idler gears relative to the drive and driven gears.

2,200,023
ULTRA-HIGH-FREQUENCY OSCILLATION APPARATUS
Walter Dallenbach, Berlin-Charlottenburg, Germany, assignor to Julius Pintsch Kommandit-Gesellschaft, Berlin, Germany
Application September 10, 1937, Serial No. 163,318
In Germany September 10, 1936
16 Claims. (Cl. 250—36)



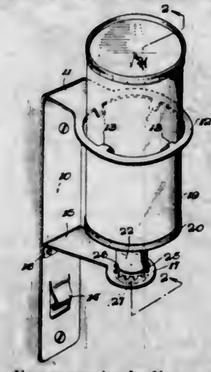
1. Means for producing ultra high frequency electromagnetic oscillations, including a hollow metallic walled resonator formed as a geometrical figure having at least one rotational axis and having the internal diameter of its cross section pendicular to the said axis equal to the desired

wave length multiplied by a factor forming one of the group comprising

$$\frac{(2n-1)}{2}$$

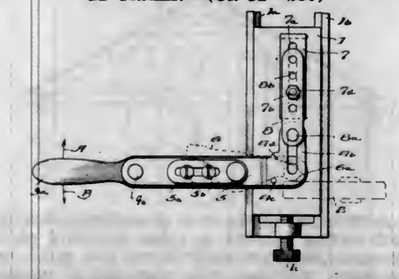
and $(2n-1)$ wherein n is a whole number, and means to establish in said resonator an ultra high frequency field whose electrical lines of force are closed eddy lines, said field producing means comprising electrodes including at least one anode and one cathode, said electrodes being disposed within the resonator on planes radial to said axis.

2,200,024
SOAP DISPENSER
Anthony T. De Sipio, John Bongiovanni, and James J. Ricci, Philadelphia, Pa.
Application May 19, 1939, Serial No. 274,642
5 Claims. (Cl. 221—64)



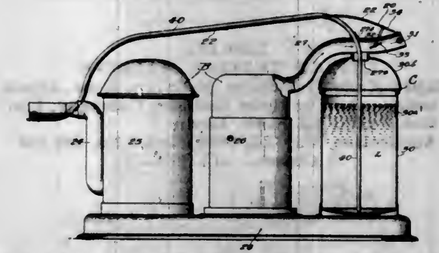
1. A soap dispenser including a bracket having a projecting arm and a retaining element above said arm, the arm being provided with means thereon to engage and lock a container cap, and an inverted container rotatably retained by said element and provided with a rotatable closure cap engaged and locked by said means for rotatably supporting the container for turning movement to open or closed position.

2,200,025
GRINDING MACHINE
Frank A. Jones, Greer, S. C., assignor of one-half to R. G. Hodgson, Greer, S. C.
Application December 15, 1937, Serial No. 179,988
11 Claims. (Cl. 51—230)



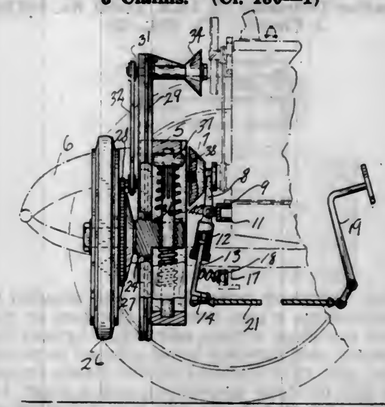
11. In combination, a grinding element having a flat grinding surface, a work carriage comprising a supporting base, a lever pivoted to said base on an axis parallel to said grinding surface, said lever being normally arranged substantially parallel to said grinding surface but being swingable to either side of said normal position, a second lever pivoted at one end to said first lever at a point removed from its pivotal axis, means carried by the second lever for supporting a work-piece in contact with the grinding surface, and means for guiding the free end of said second lever whereby the work-piece is drawn away from the grinding surface when said first lever is moved in either direction from said normal position.

2,200,026
SCRUBBING DEVICE
Agnes S. Juelson, Chicago, Ill.
Application July 6, 1937, Serial No. 152,166
5 Claims. (Cl. 15—2)



1. Apparatus of the character set forth comprising: a cleaning nozzle adapted to be passed along the surface to be cleaned, an air cleaning unit, a tube connecting said nozzle and cleaning unit, blower means for passing air and liquid through said tube into said cleaning unit, a withdrawal conduit through which clean air is discharged to the atmosphere, a container adapted to contain a liquid therein, the interior of said container being in communication with the interior of said withdrawal conduit, a liquid tube having its inlet opening in said container below the level of said liquid and having its outlet opening adjacent said nozzle, and means for passing at least a part of the air discharged through said withdrawal conduit into said container to force the liquid through said liquid tube.

2,200,027
AUTOMOBILE PARKING DEVICE
Joseph L. S. Kirby, San Francisco, Calif.
Application September 2, 1938, Serial No. 228,205
3 Claims. (Cl. 180—1)



1. In a device of the character described, in combination with a motor vehicle having a driv-

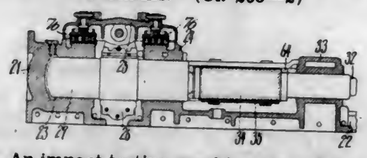
en shaft, of a friction drive wheel slidably mounted thereon, a frame secured to said vehicle and having a vertically sliding carriage positioned therein, said carriage supporting a rotatable ground engaging wheel, means for raising and lowering said carriage in said frame, said means including a vertically disposed rotatable shaft, connecting threads carried by said shaft and said casting, movable friction means interposed between said friction drive wheel and said vertically disposed rotatable shaft, whereby said shaft may be rotated in either direction, and a second friction means adapted to be engaged by said friction drive wheel when said ground engaging wheel is in its lowermost position to effect rotation of said ground engaging wheel.

2,200,028

IMPACT TESTING MACHINE

Hiojiro Kudo, Takahane, Nada-ku, Kobe, Japan, assignor to The Kobe Seikosho Company, Limited, Fukiai-ku, Kobe, Japan

Application May 23, 1938, Serial No. 209,630
3 Claims. (Cl. 265—2)



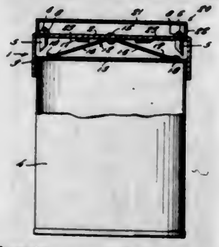
1. An impact testing machine comprising a machine part including a liquid packed cylinder and a plunger disposed therein, with a pressure gauge or indicator connected to said cylinder, a plunger guide disposed adjacent to said cylinder to receive a portion of the plunger and to guide the same, and a plunger hanger for supporting said plunger so that the friction of the plunger due to its own weight is very small, said plunger being adapted to be engaged by a body to be tested by impact of a weight or the like, such as one having wheels and running upon rails to give an impact on the body to be tested, so that the liquid pressure induced by the impact is measured by the pressure gauge or indicator.

2,200,029

CAN PERFORATOR

Rudolph C. Kulling, Chicago, Ill.

Application December 12, 1938, Serial No. 245,258
1 Claim. (Cl. 220—51)



A can perforator comprising a cup adapted to be mounted on a can, punches mounted in the cup and including shanks extending through the top thereof, said punches being adapted to perforate the can, nuts threaded on the shanks for securing the punches in position, and a cover for enclosing the shanks and the nuts mounted on the top of the cup, said cover including a substantially smooth, flat top constituting a striking surface for driving the punches through the can, said cover further including a depending marginal flange secured to the cup.

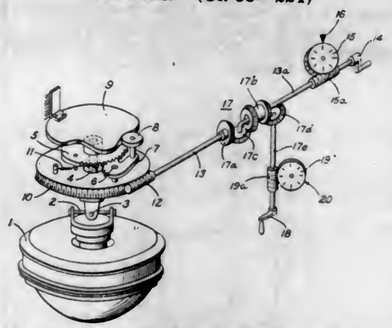
2,200,030

COURSE DEVICE FOR VEHICLES

Friedrich Lauck, Travemunde, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Original application June 25, 1937, Serial No. 150,415. Divided and this application July 28, 1939, Serial No. 287,141. In Germany June 29, 1936

2 Claims. (Cl. 33—224)



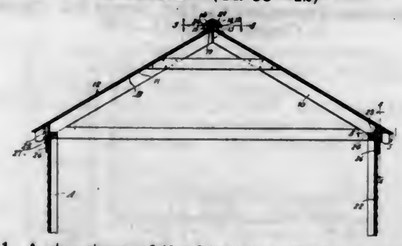
1. In combination with a compass, a member adapted to be adjusted in accordance with the desired course, means effecting said adjustment comprising a disc turning with said member, a pinion engaging said disc, a second disc carrying said pinion, means adjusting said second disc in accordance with the desired course and fixed cam means adapted to actuate said pinion as the two discs are turned so as to vary the relative rotation of the two discs in accordance with the known deviations of said compass, said adjusting means including differential mechanism adapted to adjust the position of said second disc to compensate for the variation of said compass.

2,200,031

VENTILATING BUILDING STRUCTURE

Moses G. Lee, Cuthbert, Ga.

Application September 19, 1938, Serial No. 230,712
4 Claims. (Cl. 98—42)



1. A structure of the kind described comprising a roof having a ridge, a ridge rail built at the ridge and rising vertically above the same, said ridge being provided with openings at opposite sides of the ridge rail, laterals projecting beyond opposite sides of said rail above the openings in the ridge and below the uppermost edge of said rail, a reticulated crown saddled over the said rail and having fastening with the said laterals, flashings rising from the roof at opposite sides

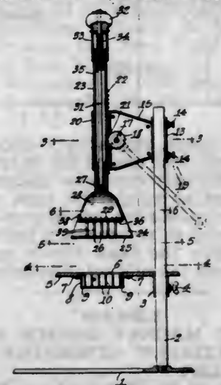
of the rail and joined with the crown at the laterals, and a ridge roll overhanging said crown and outwardly spread with relation to the same and the flashings.

2,200,032

FOOD CUTTING AND PRESSING MACHINE

Cleo Lovelace, Aberdeen, Wash.

Application August 10, 1938, Serial No. 224,184
2 Claims. (Cl. 146—169)



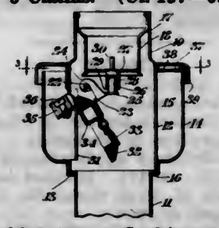
1. The combination with a supporting element for engagement with an article to be cut, and a guide located above said element, of a tubular plunger mounted for reciprocation in the guide, wings diverging downwardly therefrom, an apertured presser plate connecting the wings, a slide in the plunger, downwardly diverging wings thereon between the first named wings, a plate connecting the wings on the slide and providing side flanges, an ejector plate embracing said flanges and engaging the plate therebetween, ejector pins projecting from the ejector plate and movable within the presser plate, a yieldingly supported rod extending from the slide and within and above the plunger, and means on the rod for depressing the slide and the ejector relative to the presser plate.

2,200,033

VACUUM BREAKER

Bernard Marsak, Laurelton, Long Island, N. Y.

Application June 27, 1939, Serial No. 281,341
5 Claims. (Cl. 137—69)



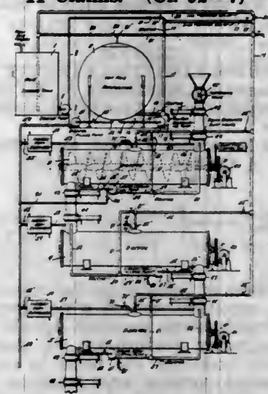
1. In combination, a flushing valve tail-piece having a vent passage in its wall and a coaxial valve seat, a pivot pin extending transversely of said tail-piece adjacent the wall thereof, a bracket having hooks engageable with said pin to pivotally support said bracket, a closure carried by said bracket for movement into and out of closing relation to said vent passage, a valve disk supported by said bracket for movement into and out of engagement with said valve seat, an arm extending from said bracket through said passage, and a weight carried by said arm exterior of said tail-piece tending to maintain said closure out of closing relation to said passage.

2,200,034

METHOD AND APPARATUS FOR DIGESTING CELLULOSIC MATERIALS

Albert D. Merrill, Watertown, N. Y.

Application August 8, 1935, Serial No. 35,386
Renewed October 3, 1939
11 Claims. (Cl. 92—7)



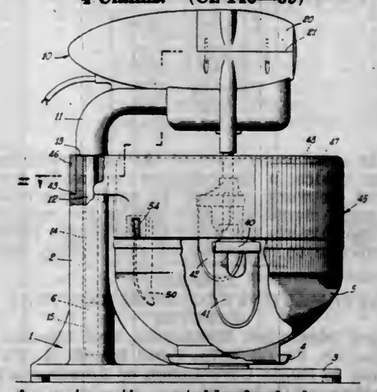
1. A continuous process for digesting fibrous material which comprises feeding the material through a plurality of chambers, subjecting the material in each chamber to contact with heated chemical liquor, maintaining the material in each chamber at a predetermined pressure and temperature independently of the pressure and temperature conditions in the other chamber, circulating the liquor directly to and from each chamber and utilizing the recirculating stream of liquor to withdraw and condense volatiles evolved in such chamber.

2,200,035

FOOD CHOPPER

Elsie Meyer, Los Angeles, Calif.

Application September 13, 1939, Serial No. 294,601
4 Claims. (Cl. 146—69)



1. An automatic portable food chopper comprising a base provided with a vertical boss having a vertical bore therein, a forward extension on said base, a split housing having a removable

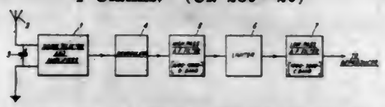
portion, mounted upon a downwardly extending arm adapted to be slidable in said base; a motor, a longitudinal drive shaft, and a transverse crank arm shaft in said housing, bearings for said shafts formed integrally with said housing, vertically extending bearings carried by the removable portion of the housing, a reciprocable rod in each of said vertical bearings, a cross arm carried by the upper end of each of said rods within the housing, a pair of cranks mounted on the crank arm shaft, one of said cranks being operably engaged with each of said cross arms, and a knife having a downwardly directed edge carried by the lower end of each of said reciprocating rods.

2,200,036

NOISE LIMITING CIRCUIT

Garrard Mountjoy, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 2, 1937, Serial No. 172,323
4 Claims. (Cl. 250—20)



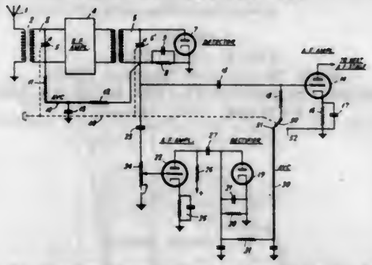
1. A method of improving the signal to noise ratio in a receiving system which includes the steps of demodulating received signals, selecting a high frequency portion of the demodulated signal range, reducing the noise to signal ratio of the selected portion, and selecting from the said portion for reproduction a second portion in the lower frequency section thereof thereby to prevent reproduction of harmonics produced during said reduction step.

2,200,037

AUTOMATIC VOLUME CONTROL CIRCUIT

Garrard Mountjoy, Manhasset, and Edward W. Wilby, Westerleigh, Staten Island, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application November 5, 1937, Serial No. 172,878
6 Claims. (Cl. 250—20)



3. In a radio receiver of the type including a tuning device, a demodulator, an audio transmission network coupled to said demodulator, and audio signal-actuated means for regulating the transmission efficiency of said audio network in response to actuation of said tuning device.

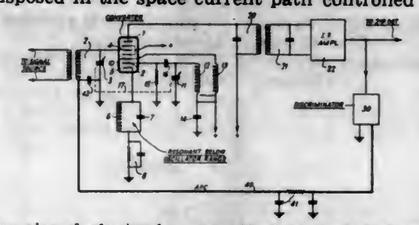
2,200,038

AUTOMATIC FREQUENCY CONTROL CIRCUIT

Garrard Mountjoy, Manhasset, and Charles W. Finnigan, Forest Hills, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 19, 1938, Serial No. 196,870
5 Claims. (Cl. 250—20)

1. In a frequency changer circuit provided with a tube having an oscillator section and an associated oscillator tank circuit, a signal input electrode in said tube, an intermediate frequency output circuit associated with an output electrode of the tube, a signal input circuit coupled to the signal input electrode, a capacitative impedance, disposed in the space current path controlled by



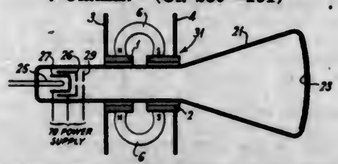
the signal electrode, operatively associated with the tank circuit, and means for varying the potential of said input electrode thereby to cause said impedance to adjust the tank circuit frequency, said capacitative impedance comprising a network tuned to a frequency below any frequency to which the tank circuit may be resonated but above the said intermediate frequency.

2,200,039

PERMANENT MAGNET DEVICE FOR PRODUCING AXIALLY SYMMETRICAL MAGNETIC FIELDS

Frederick Hermes Nicoll, Ickenham, England, assignor to Electric & Musical Industries Limited, Middlesex, England, a company of Great Britain

Application October 28, 1938, Serial No. 237,398
In Great Britain November 1, 1937
7 Claims. (Cl. 250—161)



1. A permanent magnet device for setting up a magnetic field for focussing a composite beam of electrons, said device comprising two co-axial pole pieces spaced longitudinally from each other and each having an aperture through which the electron beam may pass, and a plurality of individual permanent magnets straddling the gap between said pole pieces, like poles of each of said plurality of magnets being associated with one of said pole pieces.

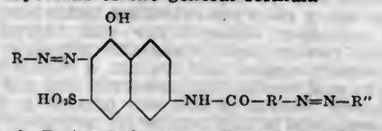
2,200,040

AZO DYESTUFFS

Hans Roos, Leverkusen-I. G. Werk, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Original application November 7, 1935, Serial No. 48,775. Divided and this application July 12, 1938, Serial No. 218,768. In Germany April 6, 1935
4 Claims. (Cl. 260—187)

1. Dyestuffs of the general formula



wherein R stands for a member selected from the

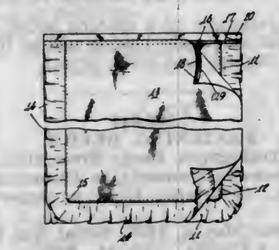
group consisting of radicals of the benzene series and naphthalene series and monoazocompounds thereof, R′ stands for a benzene nucleus and R″ stands for the radical of an orthohydroxy-benzene carboxylic acid, dyeing the vegetable fiber generally bluish red to brown shades, which can be discharged to a pure white both in a neutral and in an alkaline reacting medium.

2,200,041

CRISSCROSS CURTAIN ASSEMBLY

Bernard Rosenberg, Peekskill, N. Y., assignor to Cameo Curtains, Inc., New York, N. Y., a corporation of New York

Application December 23, 1939, Serial No. 310,754
1 Claim. (Cl. 156—10)



A crisscross curtain assembly comprising a substantially rectangular front curtain provided along its upper margin with a rod channel and provided on its rear face with a horizontal row of fasteners alongside of said channel, a rear curtain of substantially the same width and shape and provided along its upper margin with a horizontal row of complemental fasteners, said fasteners being adapted separably to retain the upper margins of said curtains in superposed relationship, an ornamental ruffle on one side edge of the front curtain, an ornamental ruffle on the opposite side edge of the rear curtain, and a horizontal top ruffle concealing said fasteners.

2,200,042

TUBULAR ARTICLE AND METHOD OF MAKING THE SAME

Jacque A. Salz, New York, N. Y.

Application January 11, 1938, Serial No. 184,436
2 Claims. (Cl. 18—59)



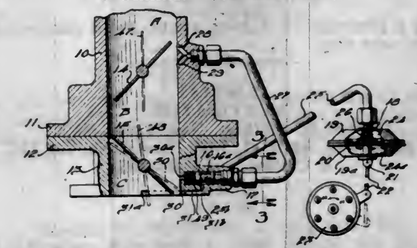
1. The method of forming a tubular article such as a fountain pen or pencil barrel having a pearl finish which comprises first providing a thin tubular shell of a plastic pearl material composed of a cellulose derivative and having an attractive ornamental outer surface, the shell having an external diameter equal to the external diameter of the member to be formed, rendering workable and fluid by heat a mass of thermoplastic material composed of a cellulose derivative which is relatively less expensive than the material of the shell, placing the shell in a die provided with a bore of substantially the same internal diameter as the external diameter of the shell but of greater length, the die being provided with a centrally disposed mandrel closing one end of the die and passing axially of the shell, forcing the heated fluid mass of thermoplastic material through the other end of the die and filling the space between the die, mandrel and shell, the temperature of the fluid thermoplastic being such that the surfaces of the shell which are exposed to the heated thermoplastic material will become plastic and fuse with the contacting thermoplastic material, then permitting the thermoplastic material to harden by cooling so that the fused contacting surfaces of the shell and material will form a homogeneous hardened mass.

2,200,043

SPARK CONTROL DEVICE

Lowell F. Sarnes, Detroit, Mich., assignor to Monarch Governor Company, Detroit, Mich., a corporation of Michigan

Application December 17, 1937, Serial No. 180,333
9 Claims. (Cl. 123—117)



1. In an internal combustion engine provided with an intake passage having a carburetor valve and a governor valve therein, a control cylinder extending transversely of said passage, a recessed piston slidable in said cylinder, a conduit connecting the near end of said cylinder with said intake passage immediately adjacent said governor valve at its upstream side, a conduit connecting an intermediate portion of said cylinder with said intake passage immediately adjacent said governor valve at its downstream side and opening into the control cylinder with a port confined within the piston recess at all operation positions of said piston, a conduit connecting the far end of said cylinder with said engine passage, said last named conduit opening into said passage through a port which under all operation conditions except idling remains below said carburetor valve, a vacuum responsive diaphragm mechanism connected with said control cylinder by means of a conduit opening into said cylinder with a port adapted to be included in the recess of said piston for connecting the intake passage at the downstream side of the governor valve with said mechanism, and a distributor device operated by said diaphragm mechanism and adapted to advance the ignition spark when such connection is established.

2,200,044

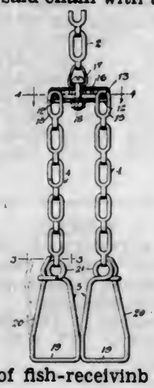
FISH CARRIER

Charles R. Shannon, Harlan, Ky., assignor of one-fourth to L. R. Muir, Crummies, Ky., and one-fourth to Carl Abel, Lenarue, Ky.

Application April 15, 1939, Serial No. 268,070
2 Claims. (Cl. 224—7)

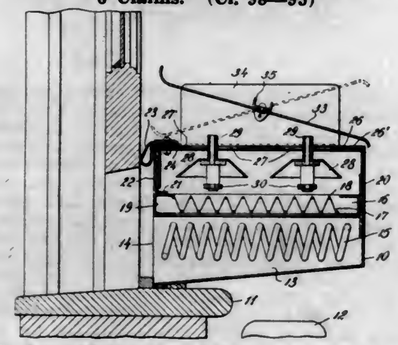
2. A fish carrier including a handle, a chain having one end connected with said handle, a carrier plate, a ring arranged in said carrier plate, a washer arranged on the top of said ring for preventing the ring leaving the carrier plate, a fastener member connected with one end of said chain and extending through said washer and said carrier plate for clamping the washer

and the carrier plate together and at the same time connecting said chain with the carrier plate,



and a plurality of fish-receivinb loops connected with said ring.

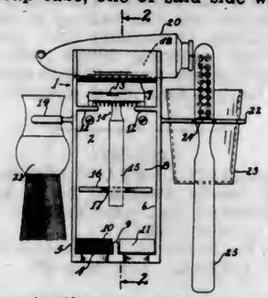
2,200,045
VENTILATOR
George R. Siefken, New York, N. Y.
Application April 17, 1939, Serial No. 268,212
6 Claims. (Cl. 98—95)



1. A ventilator for admitting air into a room over a heater comprising an intake chamber having an opening for admitting air from outside, means for controlling the passage of air from the intake chamber to the room including a series of valve members serially movable to closed positions by increased velocity of the air admitted from outside, the valve members at the ends of the series being movable to closed positions by a smaller velocity of air than those between the ends of the series, whereby said members are operable to cause a stream of air issuing into the room to fan out with the greatest rate of flow at the middle portion of the stream.

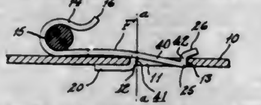
2,200,046
TOILET ARTICLE RETAINER
Leo Straus, New York, N. Y.
Application January 16, 1940, Serial No. 314,055
8 Claims. (Cl. 132—79)

1. A retainer for men's individual toilet articles having the combination of a vertically elongated box-like receptacle provided with a rear wall, side walls, a ceiling and a floor, said floor having a central partition wherewith said side walls and rear wall form a pair of pockets for fresh and used razor blades, said receptacle having means for suspending a razor therein directly over said partition, said rear wall having means for attachment of the receptacle, said ceiling having a yoke adapted for retention of a shaving soap tube, one of said side walls having



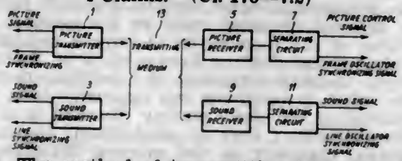
means for retention of a shaving brush, and the other of said side walls having means for retention of a tumbler and tooth brush.

2,200,047
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 6, 1939, Serial No. 272,181
6 Claims. (Cl. 24—259)



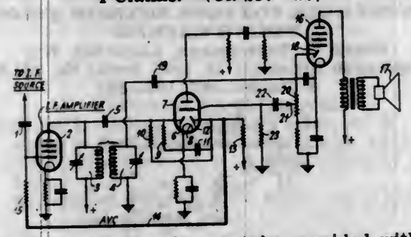
2. A fastening device for securing a cable, or the like, to a panel having a hole comprising a clip having a substantially flat body, means attached to one edge of the body to project laterally therefrom for holding a cable, or the like, a resilient tongue attached to the central portion of the body and extending laterally of and then parallel with the same in superimposed relation with one face thereof and a prong projecting from the same side of the body as said tongue but in a direction away from the tongue and spaced therefrom, whereby said body may lie flat against one face of the panel in opposition to said body and with said prong engaging the wall of the hole at a point opposite the place where the tongue extends through the hole to prevent unintentional withdrawal of the tongue from the hole.

2,200,048
TELEVISION SYSTEM
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 17, 1936, Serial No. 69,318
In Germany March 25, 1935
4 Claims. (Cl. 178—7.2)



1. The method of transmitting television signals which includes the steps of transmitting over a first channel electrical signals representative of an optical image to be transmitted, transmitting over a second channel electrical signals representative of accompanying sound energy related to said optical image, transmitting over said first channel electrical signals related to the synchronous reproduction of said optical image, and transmitting over said second channel other electrical signals also related to the synchronous reproductions of said optical image, said other electrical signals having a different character than said third named electrical signals related to the synchronous reproduction.

2,200,049
DELAYED AUTOMATIC VOLUME CONTROL CIRCUITS
Carel Jan van Loon, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 10, 1938, Serial No. 195,009
In the Netherlands May 25, 1937
4 Claims. (Cl. 250—20)



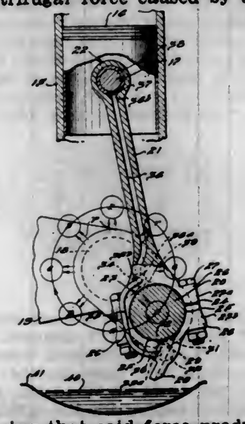
1. In a radio receiver, a tube provided with a cathode, control grid, plate and at least two auxiliary anodes, a tuned signal input circuit connected between the cathode and one anode to provide a diode signal rectifier, means connecting the diode provided by the cathode and second anode across the first diode, means for biasing the second anode positive with respect to said cathode, means for deriving a direct current voltage from signal current rectified by said rectifier, means for applying said voltage to said second anode in opposition to said positive biasing means whereby said voltage is adapted for control use, a second tube having at least an amplifier section and a diode, means for applying signals to said last diode for detection, means applying the detected signals to said grid, and means for transmitting from said plate to said amplifier section amplified detected signals.

2,200,050
ALLOY
Max Auwärter and Konrad Ruthardt, Hanau-on-the-Main, Germany, assignors to W. C. Heraeus G. m. b. H., Hanau-on-the-Main, Germany, a corporation of Germany
No Drawing. Application April 3, 1939, Serial No. 265,777. In Germany April 23, 1937
5 Claims. (Cl. 75—165)

1. An alloy containing, by weight, 25–55% gold, 2–6% palladium, 10–30% silver, 9–25% zinc and the remainder copper..

2,200,051
MEANS FOR LUBRICATING INTERNAL COMBUSTION ENGINES
Dana K. Badertscher, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 2, 1937, Serial No. 123,656
18 Claims. (Cl. 184—11)

2. In a lubricated bodily rotatable bearing, a lubricant conduit provided in the body thereof and leading to the most loaded surface of the bearing to be lubricated, said conduit being so arranged with respect to the direction of action of the centrifugal force caused by the rotation



of the bearing that said force produces at predetermined times a component force acting along said conduit toward said most loaded bearing surface.

2,200,052
COUCH
Joseph W. Bowerman, Glen Ellyn, Ill.
Application February 3, 1936, Serial No. 62,122
14 Claims. (Cl. 5—18)



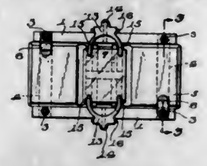
12. In a couch in combination with a frame, a unit movable transversely into and out of said frame, a leg mounted on said unit for movement alternatively into an upright extended position and a collapsed generally horizontal position, detent means for releasably holding said leg in extended position, and a portion of said frame being located adjacent the path of movement of said unit in one direction in position to engage said leg when the latter is extended to release it from said detent and positively thrust it into collapsed position as an incident to such unit movement.

13. A couch comprising, in combination, a frame having a back rest and arm rests at the ends, a reenforcing framework at the front rigidly connected at its respective ends to the front portions of said arm rests, said reenforcing framework having end portions resting on the floor, a lower bed unit spaced at the ends from said arm rests to define clearance channels in line with said end portions of said framework, and an upper horizontally slidable bed unit movable into and out of position between said arm rests and over said lower unit and having end legs projecting in and movable along said clearance channels and over said end portions of said reenforcing framework.

2,200,053
COUNTING CHAMBER
Claude P. Brown and Frederic H. Wilson, Philadelphia, Pa.
Application February 20, 1939, Serial No. 257,278
2 Claims. (Cl. 88—40)

1. The combination of a frame, having a cylin-

drical bore in a side thereof, the axis of which bore extends substantially parallel with the plane of said frame, the frame being adapted to support an element superimposed thereupon, with a clip unit comprising a base member having as its sole support an integral curviform shaft which extends axially and rotatably into said bore to permit oscillation of said base member in a transverse plane with respect to said first mentioned



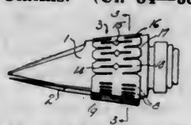
plane, a spring-actuated bifurcated member having laterally spaced fingers adapted to overlie the frame and the superimposed element, and a pivot means upon said base member extending substantially perpendicularly to the axis of the shaft for pivotally supporting the spring-actuated member, the spring-actuated member being operative to yieldingly urge the spaced fingers towards the frame and into contact with the superimposed element.

2,200,054

LIGATURE FOR REED INSTRUMENTS

George M. Bundy, Whitestone, N. Y., and Erick Brand, Elkhart, Ind., assignors to H. & A. Selmer, Inc., Elkhart, Ind., a corporation of Indiana

Application July 14, 1939, Serial No. 284,392
11 Claims. (Cl. 84—383)



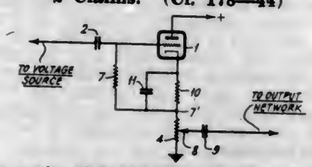
1. A ligature for reed instruments comprising a sheet of metal having a longitudinal series of equi-spaced transverse slots therein at each end portion, and ears projecting from both ends of said sheet and each insertible in a slot of the opposite end portion to lock said sheet in ring form when the end portions of the sheet overlap.

2,200,055

HIGH IMPEDANCE ATTENUATOR

Carlos E. Burnett, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 23, 1938, Serial No. 191,891
2 Claims. (Cl. 178—44)



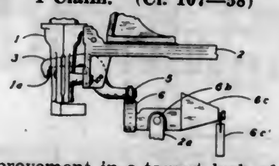
1. In a signal transmission network, an input circuit, an output network, a high impedance attenuator arrangement comprising a tube provided with at least a cathode, control grid and a plate, an unbypassed resistive impedance disposed in the space current path of said tube and connected between the cathode and a point of relatively fixed potential, said input circuit being connected between the grid and said point of fixed potential whereby the total signal voltage developed across said impedance is fed back to the grid in degenerative phase, means for maintaining the plate at a positive potential with respect to said fixed potential point, a second resistive impedance in said space current path in series between said cathode and first impedance, a direct current voltage biasing connection between the grid and the junction of said two impedances whereby solely the direct current voltage across the second impedance biases the grid negative, a signal bypass condenser shunted across said second impedance, and capacitative means adjustably coupling said output network to any desired point of said resistive impedance whereby signal voltage fed to the output network can be varied solely between zero and the amplitude of the voltage at said input circuit.

2,200,056

TAPPET-LOCK FOR CONE BOXES IN A CONE-BAKING MACHINE

Garry G. Buttermann, Louisville, Ky.

Application December 20, 1938, Serial No. 246,904
1 Claim. (Cl. 107—58)



An improvement in a tappet-lock of the character described for locking cone-boxes in a rotary cone-baking machine provided with a stationary tappet-cam for operating said tappet-lock, said improvement comprising, a round shaft on the inner end of said tappet-lock; a heavy bushing designed to fit loosely and rotatably on said shaft; a tappet-roller adapted to fit loosely and rotatably on said bushing; a circular head on the outer end of said bushing designed to rest lightly against said roller in rotation, to hold it in place; and means for holding said parts in their service positions on said shaft in normal operation.

2,200,057

CHEMICAL PROCESS AND NEW CATALYSTS THEREFOR

Albert S. Carter and Frank Willard Johnson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 26, 1938, Serial No. 210,159
14 Claims. (Cl. 260—678)

1. A process for the polymerization of acetylene to non-benzenoid hydrocarbons of higher molecular weight which comprises bringing the acetylene into contact with an aqueous catalyst comprising from about 15 to about 45 parts water, from about 30 to about 60 parts cuprous chloride and from about 15 to about 36 parts potassium chloride, the said three constituents being present in such amounts within the ranges that the total number of parts of the three is equal to about 100.

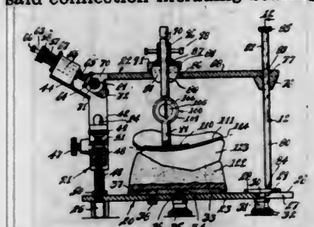
2,200,058

ARTICULATOR

Edward L. Chott, Chicago, Ill.

Application May 15, 1937, Serial No. 142,790
8 Claims. (Cl. 32—32)

5. An articulator as described comprising a base for a lower denture having a pair of upstanding supporting posts, an auxiliary supporting frame on said posts, a bracket for an upper denture having a pivotal connection with said frame, said connection including bearings in said



frame radially open at one side thereof, a shaft in said bearings, means for retaining said shaft in said bearings said means including a spring biased bearing disc and a locking sleeve therefor, an incisal pin adapted to adjustably position said bracket in relation to said base.

2,200,059

ELECTRICAL TERMINAL

Howard L. Coyne, Rockville Centre, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 11, 1938, Serial No. 213,209
4 Claims. (Cl. 175—21)



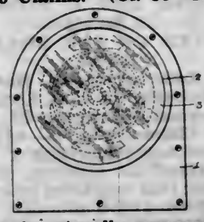
1. In a wire wound electrical device comprising a core, a wire winding on said core and an apertured plate of insulating material supported on said core adjacent an end of said winding, a terminal comprising two tubular eyelet portions and a bar portion connecting said eyelet portions, one of said eyelet portions being loosely positioned in an aperture in said plate and connected to an end of the wire winding and the other eyelet portion being supported in an aperture in said plate and having end portions flanged over into engagement with opposite faces of said plate.

2,200,060

FLOW VISUALIZER

Walter W. Geiser, Philadelphia, Pa.

Application February 20, 1939, Serial No. 257,273
15 Claims. (Cl. 35—13)



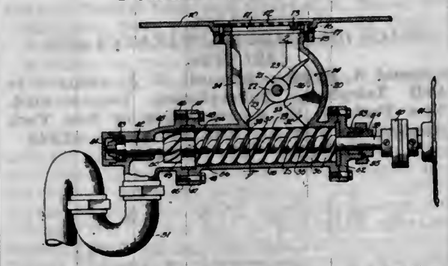
1. A device for visually representing the flow of electric currents through the conductors of an electro-magnetic generator or motor, a plurality of transparent discs movable with respect to each other, one of said discs carrying indicia in a given color, and another of said discs carrying indicia of the same and also of a complementary color, so that the said indicia of the first disc is absorbed by and invisible through the same color, and unabsorbed by and visible as a third color through the complementary color portion of the second disc.

2,200,061

WASTE DISPOSAL UNIT

Martin J. Green, Chicago, Ill., assignor of one-fourth to Julius C. Suess, Chicago, Ill.

Application July 9, 1938, Serial No. 218,411
Renewed October 9, 1939
4 Claims. (Cl. 146—181)



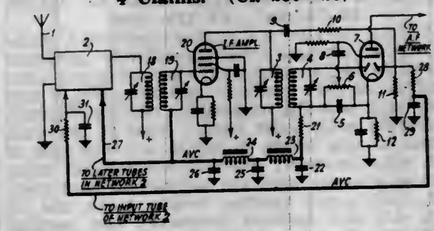
1. In a waste disposal unit, the combination of a hopper provided with a discharge mouth and a shredder housing communicating therewith, a rotary shredder within the housing provided with elongated blades adapted to engage and disintegrate the material delivered from the hopper and feed the same toward the point of discharge, a feeder located within the hopper and rotatable on an axis extending transversely to the axis of the shredder and provided with spaced prongs certain of which are of varying length to closely embrace the contiguous portions of the shredder blades when the prongs are rotated into adjacent relation thereto, and cooperating fixed fins projecting inwardly from the hopper wall and spaced to permit the prongs to sweep therethrough, the edges of certain of the fins terminating in varying positions to closely embrace the contiguous portions of the shredder and the feeder being so disposed that when rotated it will sweep down the waste material and compact the same against the edges of the fins and in close relationship to the rotary shredder.

2,200,062

AUTOMATIC VOLUME CONTROL

Yme Bouwinus Folkert Jan Groeneveld, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

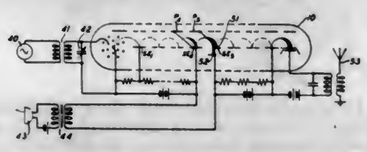
Application May 23, 1939, Serial No. 275,138
In Germany September 10, 1937
4 Claims. (Cl. 250—20)



3. In a radio receiving system of the type com-

prising a plurality of cascaded modulated signal carrier transmission tubes, means deriving a unidirectional voltage from the transmitted carrier energy, means, including a network of a high time constant, for applying the voltage to at least one of the earlier tubes of the cascaded tubes in a gain reducing sense, means deriving a second unidirectional voltage from the transmitted carrier energy, means, including a network of a relatively low time constant, for applying the second voltage to at least one tube following said one earlier tube, said second deriving means additionally deriving a modulation voltage from the carrier energy, and a modulation voltage utilization network coupled thereto.

2,200,063
SPACE DISCHARGE APPARATUS AND CIRCUITS
Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1936, Serial No. 93,546
9 Claims. (Cl. 179—171.5)

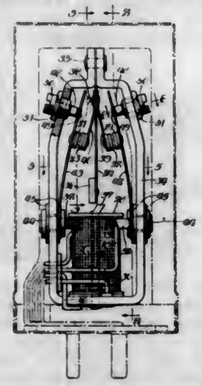


1. In combination, an electron multiplier comprising an evacuated enclosure containing a succession of secondary electron emitters, means to supply successively higher potentials to said emitters, means to release electrons from the first emitter of the succession for impinging on the next emitter, and so on, an output electrode leading to a utilization circuit and means to control the electron current transmitted through the multiplier comprising a circuit for impressing a variable control voltage between two adjacent emitters in the succession.

3. In an electron discharge device, a member having a surface a portion of which is emissive of secondary electrons and a portion of which is non-emissive, means including a preliminary emitter of secondary electrons for producing a stream of secondary electrons, means to direct said stream of secondary electrons against said surface to cause emission of secondary electrons from the emissive portion, and means adjacent the path of said stream and controlled by a variable voltage for deflecting the stream so that a variable portion of it is caused to strike the emissive portion of said surface.

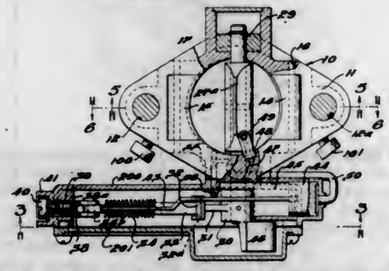
2,200,064
VIBRATOR AND CIRCUIT FOR SAME
Stephen F. James, Chicago, Ill.
Application March 26, 1938, Serial No. 198,205
12 Claims. (Cl. 175—365)

10. In a vibrator of the class described a frame having a vibrator reed operatively attached thereto in combination with a pair of spring arms mounted on said frame on opposite sides of said reed, and pointing oppositely relative thereto, said arms each being rigidly fixed at one end, means on said frame to adjust the free ends of said arms inwardly more-or-less against their tension whereby they are inclined to said reed, said reed having yielding tongue parts, one on each side and inclined outwardly and parallel with the corresponding spring arms, and said arms and tongue parts having corresponding contacts positioned to be engaged alternately in



respective pairs as the reed vibrates from one side to the other.

2,200,065
GOVERNOR
Jarvis S. Jennings, Jr., Detroit, Mich., assignor to Monarch Governor Company, Detroit, Mich., a corporation of Michigan
Application December 7, 1935, Serial No. 53,347
15 Claims. (Cl. 137—153)

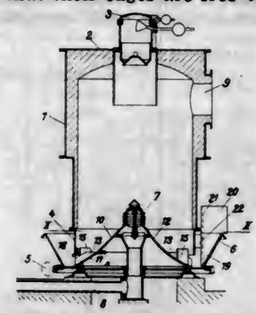


1. A governor for an internal combustion engine comprising an unbalanced governing valve movable towards closed position by the operation of the engine, a spring opposing said movement, an anti-stealing device for exerting a closing effort on the valve and actuated both by static pressure in the intake manifold and the velocity of the fluid flowing through said passage, and means for augmenting the action of the main spring at wide open valve position but substantially ineffective at its closed position.

2,200,066
GAS PRODUCER OF THE ROTARY GRATE TYPE
Karl Koller, Budapest, Hungary
Application December 14, 1938, Serial No. 245,577
In Germany December 27, 1937
7 Claims. (Cl. 48—66)

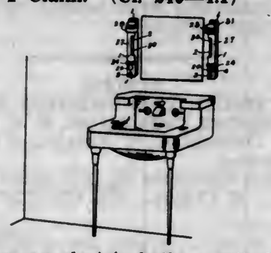
1. A gas producer comprising in combination, a rotatable water-filled ash-pan, milling cutters and a submerged ring extending into said ash-pan, a scraper member and a plurality of stemming shearing members on said ring, said milling cutters being arranged only at the periphery of the middle part of the ash-pan bottom, which has the form of a steep surface of revolution, a vertical shield on each milling cutter, said shear

members being so arranged on the inner wall of said ring that their edges are free to coact both



with the vertical edges of said milling cutters.

2,200,067
REVOLVING REFLECTOR LIGHT
Frank B. Lehman, Plainfield, N. J.
Application March 13, 1937, Serial No. 130,641
1 Claim. (Cl. 240—4.1)



In a lamp, an electric bulb, a cylindrical reflector slotted or cut out to permit the rays of light to escape from said bulb, a base having a length several times its width and of a greater length than said cylindrical reflector, means rotatably supporting said reflector parallel to and at each end of said base, means supporting said bulb within said reflector a switch at one end of said base, and means supplying electric current to said switch and said bulb through one of the parallel sides of said base, and cross members across the bottom of said base having keyhole slots for supporting said lamp on the side of a wall.

2,200,068
SHOE CONSTRUCTION
David E. Levin, Brooklyn, and Joseph W. McGee, Manhasset, N. Y., assignors to Jodel Inc., a corporation of New York
Application March 14, 1939, Serial No. 261,708
5 Claims. (Cl. 36—11)



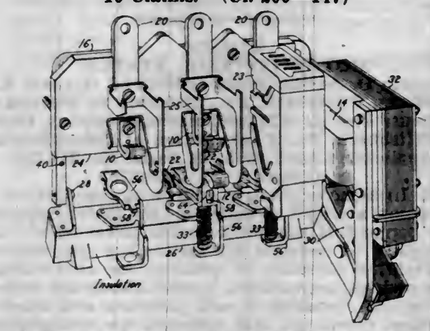
1. A shoe construction comprising an upper portion and an outer lower portion, the outer lower portion being molded of one piece of thick leather, said molded outer lower conforming to the contour of the foot and arch in the directions longitudinally and crosswise of the foot, said molded outer lower extending upwards from the bottom of the shoe, such upward extension being arranged entirely around the shoe thereby forming a side wall which provides part of the upper, a stiff toe box and an arch support, said side wall extending upwards at the rear substantially beyond the height of the side wall to the usual height of a counter thereby providing a stiff counter for the shoe.

2,200,069
SPIRIT PRINTING INKS AND PROCESS OF MAKING SAME
Herbert August Lubs and Crayton K. Black, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 21, 1937, Serial No. 121,570
14 Claims. (Cl. 134—35)

1. The process of producing a printing ink adapted for use with rubber printing rolls which comprises forming a mixture of a doughy consistency of an alkyl cellulose, a spirit insoluble pigment and a low boiling, aliphatic alcohol, subjecting the dough to a kneading operation whereby to break up the color particles and uniformly disperse the same throughout the mass, drying the mass and grinding the same to a powder, and finally incorporating the same with an alcohol diluent to produce a printing ink of the desired consistency.

8. A spirit printing ink comprising a low boiling alcoholic vehicle, an alkyl ether of cellulose and a finely divided spirit insoluble pigment, the pigment being uniformly dispersed throughout the vehicle as is obtainable by kneading said pigment jointly with said alkyl ether and alcoholic vehicle according to the process defined in claim 1, and the said printing ink being characterized by high stability against settling and by the property of passing through a hard filter paper without substantial loss of color.

2,200,070
ELECTRICAL CONTACTOR
George C. Armstrong, Wilkinsburg, and Delbert Ellis, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 28, 1936, Serial No. 98,322, now Patent No. 2,157,843, dated May 9, 1939. Divided and this application August 6, 1937, Serial No. 157,652
10 Claims. (Cl. 200—147)



1. In a device comprising stationary and mov-

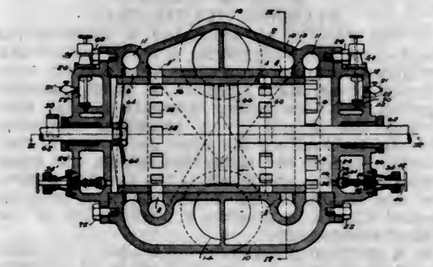
able contact members, the combination of a rotatively movable supporting and actuating bracket for the movable member having two extensions spaced radially with respect to the axis of rotation and projecting in planes at about right angles to each other, a body portion for the movable member having openings adapted to accommodate said extensions, and a compression spring adjacent one end of the body portion adapted to hold said parts in operative relation and to determine the pressure of contact engagement.

2,200,071

RECIPROCATING HYDRAULIC MOTOR

Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 16, 1938, Serial No. 219,528
14 Claims. (Cl. 121—114)



1. In a hydraulic motor, a closed chamber member, a piston slidable within said chamber member, inlet port means in said chamber on each side of said piston, outlet port means in said chamber on each side of said piston, and valve means for alternately on the one hand opening the inlet port means and closing the outlet port means on one side of said piston while closing the inlet port means and opening the outlet port means on the other side of said piston, and on the other hand closing the inlet port means and opening the outlet port means on the said one side of said piston while opening the inlet port means and closing the outlet port means on the said other side of said piston, and a shock chamber containing a compressible fluid connected with each end of said chamber members, said shock chambers each comprising a main and an auxiliary chamber connected by an opening and valve means for controlling the flow of fluid through the opening between said main and auxiliary chambers.

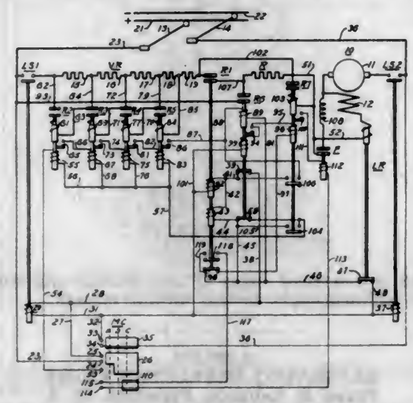
2,200,072

MOTOR CONTROL SYSTEM

Bascum O. Austin, Wilkinsburg, and Graham L. Moses, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 28, 1938, Serial No. 216,278
10 Claims. (Cl. 172—179)

2. In a motor control system, in combination, a motor, a source of power for the motor, means for connecting the motor to the power source, a plurality of resistors for controlling the motor current, a plurality of switches for controlling the resistor connections, control means for initiating the operation of said switches, and interlocking means on said switches for controlling their sequence of operation, said interlocking means being energized from the power source directly through the switch structure, said switches having closing coils energized by the



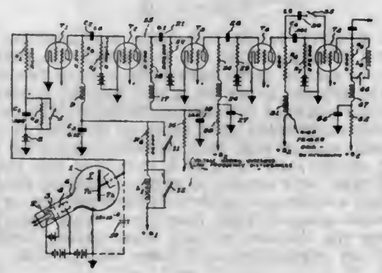
potential of the power source through said interlocking means and series holding coils energized by the motor current.

2,200,073

ELECTRICAL TRANSMISSION SYSTEM

Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1937, Serial No. 166,627
17 Claims. (Cl. 179—171)



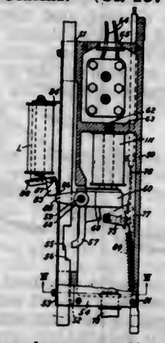
1. In a signal transducing system, a signal generating means for producing a useful signal covering a wide band of frequencies, said signal consisting of low frequency components, intermediate frequency components and high frequency components, transducing means having an input circuit and an output circuit, said input circuit being coupled to said generating means, a source of extraneous undesired signal which combines with said useful signal to produce a mixed signal in said transducing means, a first frequency selective means for accentuating said low frequency components impressed upon said input circuit, and a second frequency selective means in said output circuit for selectively attenuating the low frequency components of said mixed signal in a manner substantially complementary to the accentuation by said first frequency selective means, said first frequency selective means having a frequency response curve which is concave upward where frequency response is plotted against the logarithm of frequency.

2,200,074

ELEVATOR DOOR OPERATING SYSTEM

Edgar M. Bouton, Nutley, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois

Application June 22, 1939, Serial No. 280,470
9 Claims. (Cl. 187—57)



1. An elevator door operating system for a car operable by a motor generator set to serve a hatchway door, said system comprising a control device for starting and for shutting down the motor generator set, a lock for the door, and means responsive to operation of the control device to shut down the motor generator set while the car is at said floor for preventing the lock from locking the door when it is closed while the car is at the corresponding floor and the motor generator set is shut down.

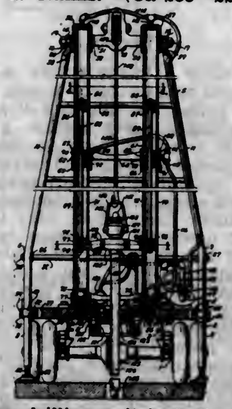
9. An elevator door lock comprising a locking latch biased toward locking position, an electromagnet for moving the locking latch out of its locking position, an auxiliary latch biased toward engagement with the locking latch to prevent it from moving from its unlocked position to its locking position, and an auxiliary electromagnet for moving the auxiliary latch away from the locking latch.

2,200,075

HYDRAULIC POWER DRILLING RIG

Walter T. Caldwell, Enid, Okla., assignor to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma

Application April 6, 1938, Serial No. 200,389
12 Claims. (Cl. 255—22)



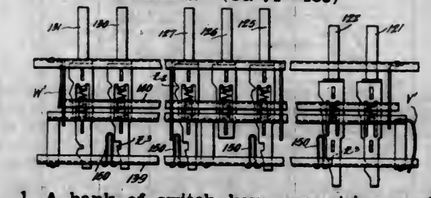
1. A rotary drilling unit including a platform, a turntable carried by the platform, a mast on the platform, a hydraulic power device, means suspending the hydraulic power device from the mast whereby the lower portion thereof is adapted to move in an arc to and from drilling position, hydraulic means on the platform for moving the hydraulic device to and from operative relation with the turntable, and means connecting the hydraulic means with the hydraulic device, said connecting means including means for compensating for said arcuate movement of the hydraulic device.

2,200,076

BANK OF SWITCH KEYS

Donald T. Cooper, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application December 30, 1938, Serial No. 248,562
5 Claims. (Cl. 74—483)



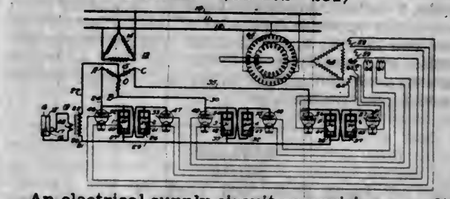
1. A bank of switch keys comprising a plurality of selector plungers and a pair of master plungers, a pair of latch bars mounted for independent movement in paths which intersect the paths of movement of said plungers, means for separately biasing said latch bars, complementary catch members on each of said plungers and latch bars, means responsive to the depression of one of said master plungers for moving one of said latch bars against the force of its bias to a position whereat the catch members individual thereto are maintained in engagement with complementary catch members on all subsequently depressed of the selector plungers, means responsive to the depression of the other of said master plungers for moving said latch bar out of engagement with the catch members on said previously depressed plungers, and means operative while the said other of said master plungers is in its depressed position and comprising the other of said biased latch bars for locking any one of said selector plungers in depressed position until the subsequent depression of another plunger.

2,200,077

ELECTRONIC SEAM WELDING FOR HIGH SPEED WELDING

John W. Dawson, Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

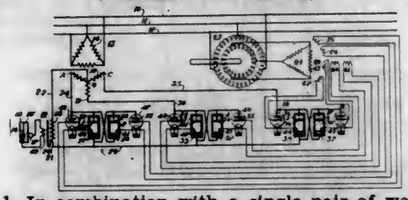
Application May 7, 1938, Serial No. 206,638
1 Claim. (Cl. 172—281)



An electrical supply circuit comprising a multiphase transformer, two reversely connected valves connected to each phase of the secondary of the transformer and through a load to the

common point thereof, a second transformer having a secondary having twice the windings of the first mentioned secondary, a control discharge device connected to each valve, each of said windings energizing one of said control discharge devices.

2,200,078
ELECTRONIC SEAM WELDING FOR HIGH SPEED WELDING
John W. Dawson, Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application May 7, 1938, Serial No. 206,638. Divided and this application February 4, 1939, Serial No. 254,611
3 Claims. (Cl. 219—4)



1. In combination with a single pair of welding electrodes for making moving contact with an article to be welded, a source of polyphase alternating current, and at least one unilaterally-conducted current-carrying device connected between each phase terminal of said polyphase source and the circuit of said electrodes.

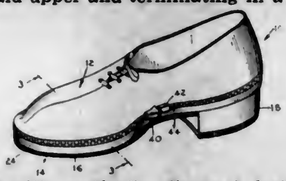
2,200,079
DRINKING FOUNTAIN BUBBLER
James F. Duncan, Waterville, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 12, 1938, Serial No. 245,130
7 Claims. (Cl. 299—15)



1. A drinking fountain bubbler formed of one piece and comprising a body having a shield extended upwardly from its rear top portion and having a water passage extended therethrough, spaced apart aligned division walls formed integral with the body, the outlet end of the passage through the body terminating between the lower portions of the spaced apart aligned division walls, a deflecting wing extending forwardly from the shield opposite each side of the division walls, the said spaced apart division walls forming opposite side openings to direct the flow of water against said deflecting wings and thence downward from the bubbler.

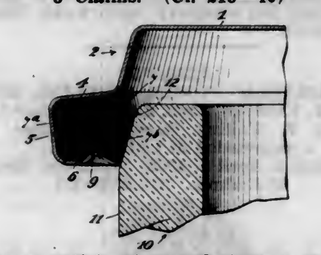
2,200,080
SHOE
Jacob Fein, New York, N. Y.
Application November 16, 1938, Serial No. 240,674
2 Claims. (Cl. 36—2.5)

1. A shoe comprising an upper and a bottom, said bottom having an outsole and an insole, a rand secured to said bottom at the outer edge portion thereof below said insole and above said outsole, said rand having a vertically extending portion at the outside of the shoe, the peripheral edge of said insole being spaced inwardly of said portion of the rand, a stringer of slide-fastener elements secured to said portion of the rand on the inner surface thereof and terminating in a free edge provided with vertically disposed fastener elements, a companion stringer of slide-fastener elements secured to the lower edge portion of said upper and terminating in a free edge



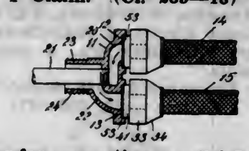
provided with vertically disposed fastener elements, a slider operable on said stringers for engaging and disengaging the elements of said companion stringers for detachably securing said upper to said shoe bottom, said stringers being completely separable from each other under the control of said slider to permit the detachment of said upper from said shoe bottom, said upper having a lining with a free edge portion overlying said fastener elements and extending into the space between said rand and the peripheral edge of said insole when said upper is connected to said bottom of the shoe.

2,200,081
CLOSURE CAP
John C. Gibbs, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application October 29, 1937, Serial No. 171,611
3 Claims. (Cl. 215—40)



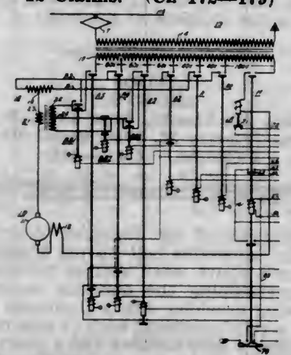
1. As an article of manufacture, a preformed closure cap adapted to form a side seal on a substantially cylindrical side wall of a glass container comprising a cover portion, a depending skirt, a gasket retaining bead at the bottom of said skirt, a gasket in said bead having an inner substantially cylindrical surface adapted to engage and form a seal on the cylindrical side wall of the container, the bottom edge of said cap being turned upwardly to engage and grip the lower side of the gasket intermediate the inner and outer edges thereof and sufficiently near the inner edge thereof to force the lower side of said gasket upwardly and outwardly and to exert a downwardly and outwardly directed pulling effect on the lower inner cylindrical surface of the gasket when downward pressure is applied to the closure for application to a container, thereby to facilitate forcing the cap on a container to form a wedging side seal and to prevent wrinkling and buckling of the gasket during said sealing operation.

2,200,082
CONNECTOR
Stephen Guarnaschelli, Elmhurst, N. Y., assignor to Packless Metal Products Corporation, New York, N. Y., a corporation of New York
Application February 11, 1939, Serial No. 255,794
1 Claim. (Cl. 285—18)



A coupling for connecting parallel flexible pipes to a pair of concentric pipes, said coupling comprising a casing having at one end a pair of flange elements having seats for receiving the ends of the flexible pipes and having a portion at the opposite end provided with means for securing the concentric pipes thereto, said casing having a passage leading from one seat to the inner concentric pipe and a passage from the other seat to the outer concentric pipe.

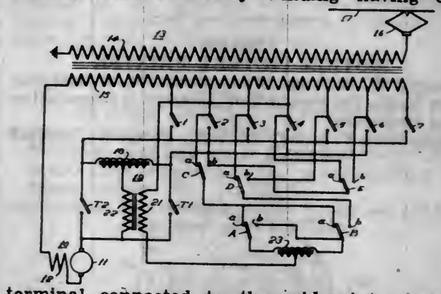
2,200,083
CONTROL SYSTEM
Lloyd J. Hibbard, Forest Hills, and Thelbert L. Weybrew, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 31, 1939, Serial No. 253,794
12 Claims. (Cl. 172—179)



1. In a control system, in combination, a main transformer, a plurality of switches for changing taps on said transformer to vary the voltage on a power circuit, a pair of power buses to which alternate ones of said tap-changing switches are connected, an auxiliary transformer having its secondary winding connected in the power circuit and its primary winding energized from said power buses, and means for changing the ratio of transformation of said auxiliary transformer.

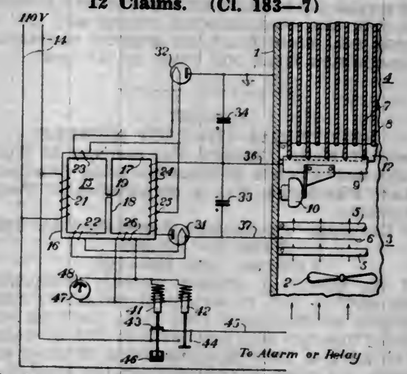
2,200,084
LOCOMOTIVE CONTROL SYSTEM
Lloyd J. Hibbard, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1939, Serial No. 306,674
9 Claims. (Cl. 172—179)

1. In a control system, in combination, a main transformer, a motor energized from said transformer, a plurality of switches for changing taps on said transformer to vary the voltage on the motor, a part of said tap switches being connected to one common bus and the remainder of said tap switches being connected to another common bus, a preventive coil connected across said common buses, an auxiliary transformer having a primary winding and a secondary winding, said secondary winding having one



terminal connected to the mid-point of said preventive coil and the other terminal connected in the motor circuit, an additional preventive coil, additional switches connected to taps on the main transformer, and double-throw switches for connecting said additional preventive coil to said additional switches, said additional preventive coil being connected in the circuit for the primary winding of the auxiliary transformer.

2,200,085
ELECTROSTATIC PRECIPITATOR EQUIPMENT
Ralph L. Hildebrand, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1938, Serial No. 202,232
12 Claims. (Cl. 183—7)



1. A gas-purifying precipitator-assembly comprising electrostatic gas-cleaning means for ionizing foreign particles in the gas and for electrostatically attracting said ionized particles; limited-energy, voltage-conversion, relatively high-voltage means comprising a step-up transformer having a magnetizable circuit including a primary portion, a secondary portion, and a magnetic-leakage path therebetween, said step-up transformer having a high-voltage secondary winding and a low-voltage tertiary winding both disposed on the secondary portion of the magnetizable circuit, and a low-voltage primary winding disposed on the primary portion of the magnetizable circuit, and means associated with

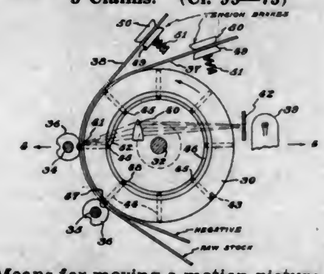
said secondary winding for energizing said gas-cleaning means; and an undervoltage relay and an overvoltage relay both energized from said tertiary winding, said relays making a predetermined response or responses to an abnormal drop in voltage and an abnormal increase in voltage, respectively, and circuit-means responsive to a response of either of said relays.

2,200,086

MOTION PICTURE PRINTER

Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 26, 1937, Serial No. 127,838
5 Claims. (Cl. 95—75)



1. Means for moving a motion picture film past an operational point including sprocket means having a plurality of teeth thereon adapted to engage the film, said teeth being so arranged that only one tooth is adapted to engage the film at a time, means for causing the film to be disengaged from the driving tooth and engaged by the next succeeding tooth when the frame-line between pictures is at the operational point, means for causing excess film tension in one direction whereby the force exerted on said film by said driving tooth is always in the same direction, and means for exerting normal pressure between said film and said sprocket means and for relieving said pressure at the moment of transfer of propulsion from one tooth to the next.

2,200,087

ELECTRICAL CONTACT MEMBER

James M. Kelly, Trafford, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application September 14, 1938, Serial No. 229,865
5 Claims. (Cl. 200—166)

1. An electrical contact member comprising from 45% to 75% by weight of refractory metal powders substantially free from carbides and bonded together with from 55% to 25% by weight of an alloy of uniform composition of silver and copper, the silver being present in the alloy in an amount ranging from 90% to 98% by weight.

2,200,088

ELECTRICAL CONTACT MEMBER

James M. Kelly, Trafford, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application September 14, 1938, Serial No. 229,866
9 Claims. (Cl. 200—166)

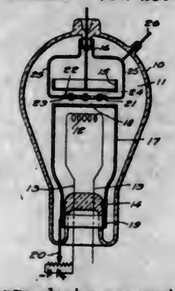
1. An electrical contact member comprising a body portion of refractory metal powders bonded together with an alloy comprising from .5% to 5% of cobalt, from .5% to 5% of iron with the balance substantially all copper.

2,200,089

LOW GRID CURRENT GLOW TUBE

Dewey D. Knowles, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 9, 1936, Serial No. 114,967
2 Claims. (Cl. 250—27)



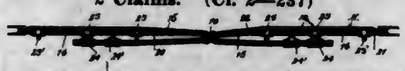
2. A discharge device comprising a container having a gaseous atmosphere therein, an anode, a cathode, a grid interposed between said cathode and anode and an enclosure for said cathode having an opening adjacent said grid, and means for imparting to said enclosure a definite continuous electrical potential of substantial magnitude relative to said cathode, said grid and anode being outside the compass of the walls of said enclosure.

2,200,090

SHORTS

Herbert D. Konski, New York, N. Y.

Application January 31, 1939, Serial No. 253,813
2 Claims. (Cl. 2—237)



1. A garment of the character described including an adjustable belt having a pair of sections spaced apart, each section having an extension overlapping the opposite section, each section being provided with a U-shaped covering strip and a reinforcement, each of said reinforcements having a long member and a short member overlying part of the long member to present a double thickness for part of its length, a single thickness of the reinforcement extending into said overlapping extensions, studs of snap fasteners being arranged at spaced intervals so as to extend through the outer ply of said covering strip and the double thickness of said reinforcement, and snap fastener sockets coacting with said studs extending through the three plies of said extensions in position to engage at different times said studs.

2,200,091

VALVE FOR WATER FAUCET

Charles Kovach, Perth Amboy, N. J.

Application January 27, 1939, Serial No. 253,085
1 Claim. (Cl. 251—27)

A valve engageable on a valve seat formed in a faucet body, comprising a valve stem adapted to be threadedly mounted in said body and having a top projecting end by which it may be turned, a valve body engageable upon said valve seat, a round headed bolt for supporting said valve body, a curved washer beneath said bolt head to form a spherical head in conjunction with said bolt head, and a cap mounted on the bottom of said valve stem for universally supporting said spherical head, said valve body comprising a metallic disc fixedly mounted on an intermediate portion of said bolt, a disc member



on said bolt and engaging against said metallic disc, a resilient base member of semispherical form on said bolt and resting against said disc member and engageable against said valve seat, and a nut on said bolt engaging against the bottom of said base member for clamping said disc member and base member against said metallic disc as a unit.

2,200,092

COMBINED ALARM CLOCK AND SWITCH

Martin J. Madison, Philadelphia, Pa.

Application October 5, 1938, Serial No. 233,364
1 Claim. (Cl. 200—35)



The combination of a rotatable shaft in a clock, with a receptacle, a switch controlling the line connection between said receptacle and a source of current, a link connected to said switch, means to maintain said link and through it said switch normally in a given position, and said link being operable by rotation of said shaft to cause it to shift said switch, and a second switch electrically connected across the line from the source of current, and operative to reverse the effect of said first switch in respectively opening or closing a circuit through said receptacle upon rotation of said shaft.

2,200,093

PIPE WRENCH

James W. McNeil, Hoboken, N. J., assignor of one-half to Peter Thorsen, Hoboken, N. J.

Application October 18, 1938, Serial No. 235,549
3 Claims. (Cl. 81—69)



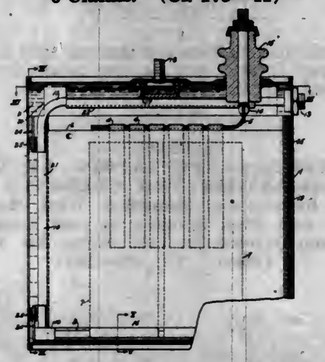
1. In a wrench tool, a head having divergent work engaging jaw portions at its forward end, a rearwardly extending hand lever member pivotally connected with the rearward end of said head, said lever member having an extension projecting forwardly from its pivot point, a work gripping chain anchored by one end to one jaw portion of said head, a chain coupler bell-crank pivotally connected with the other jaw portion of said head, the outer arm of said coupler bell-crank having chain engaging hook means, and link means interconnecting the inner arm of said coupler bell-crank to the forward extension of said lever member, whereby initial movement of said lever member in work turning direction swings said coupler bell-crank about its fulcrum in a direction to constrict the chain to work gripping tension, while movement of said lever member in the opposite direction swings said coupler bell-crank in a direction to relax said chain for slip relative to the work.

2,200,094

WATER COOLED CAPACITOR

Ralph E. Marbury, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 21, 1938, Serial No. 230,938
6 Claims. (Cl. 175—41)



6. A capacitor comprising a plurality of capacitor sections, each of said sections consisting of a plurality of layers of conducting material separated by layers of dielectric material, certain of said conducting layers having terminal means at one side of the section and the others of said conducting layers being extended beyond the dielectric layers at the opposite side of the section and being joined together to form a terminal, a case in which said capacitor sections are contained, a liquid dielectric medium substantially filling the case, cooling means in the case for withdrawing heat from the capacitor sections, said cooling means including tubes through which a cooling medium may be circulated, said extended conducting layers of the capacitor sections being joined to the tubes with a permanent connection of good thermal conductivity, and metal clamp plates disposed in the case on opposite sides thereof to hold the capacitor sections in place, said clamp plates being in contact with the tubes of said cooling means and joined thereto with a permanent connection of good thermal conductivity.

2,200,095

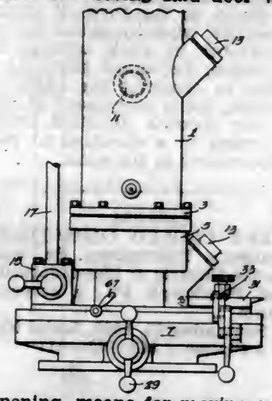
PHOTOGRAPHIC DEVICE FOR VACUUM APPARATUS

Ladislaus Marton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 28, 1939, Serial No. 258,887
20 Claims. (Cl. 250—66)

1. In a vacuum apparatus, a main chamber, an auxiliary chamber, an opening connecting said chambers, a vacuum-tight door for closing said opening so that said chambers will separately sup-

port a vacuum, a photographic plate holder support, means for moving said door with respect



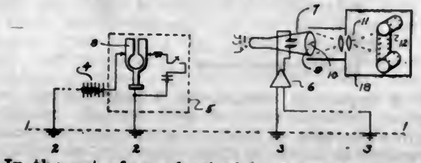
to said opening, means for moving said support with respect to said opening, and means for evacuating said auxiliary chamber.

2,200,096

GEOPHYSICAL EXPLORATION BY TIME-VARIANT ELECTRIC CURRENTS

Esme E. Rosaire and Samuel S. West, Houston, Tex.; said West assignor to said Rosaire

Application October 22, 1937, Serial No. 170,342
1 Claim. (Cl. 175—182)



In the art of geophysical exploration by time-variable electric currents wherein the waveform distortion caused by the media traversed by the current serves as a measure of the properties of said media, the method of eliminating extraneous electrical effects superposed upon the phenomena under examination comprising, causing a current impulse of predetermined wave shape to flow in a portion of the earth's crust, detecting the superposed potentials resultant from said current and from the extraneous sources, impressing said potentials on an instrument for indicating waveform to produce a weak image of the indicated waveform, and repeating the current impulse and its resultant potential phenomena at such intervals of time that the superposed extraneous phenomena are not each time superposed in the same phase with respect to the current impulse and sufficient times to produce a strong latent image of the phenomena under observation with only weak images of the superposed phenomena.

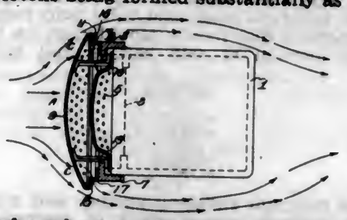
2,200,097

SIGNAL TRANSLATING APPARATUS

William D. Phelps, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 14, 1937, Serial No. 120,483
1 Claim. (Cl. 179—188)

In a microphone, the combination of a casing, a vibratile member supported therein and arranged to be actuated by sound waves impinging thereon, and a pair of perforated wind screens carried by said casing in front of said vibratile member, said wind screens being spaced from each other, the innermost of said screens being of relatively small diameter and the outer one of said screens being formed substantially as a segment of a sphere and having a maximum diameter greater than that of said casing, said outer screen being provided with an annular peripheral portion having a diameter substantially equal to that of said casing and being formed with a plurality of venting apertures.

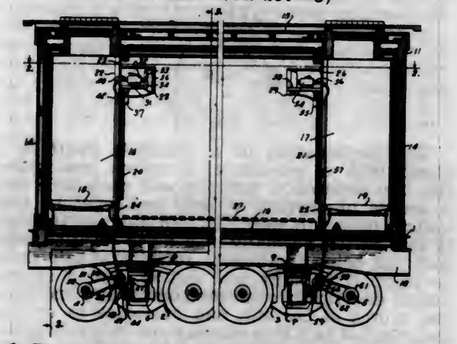


2,200,098

AIR CIRCULATOR AND TEMPERATURE REGULATOR

Frank E. Pilley, Sioux City, Iowa

Application December 2, 1938, Serial No. 243,566
3 Claims. (Cl. 257—3)



1. In an apparatus of the character described including in combination with a refrigerator car, a plurality of air circulating units mounted in the car, one of said units being arranged to draw air from the car and direct said air through a refrigerant bunker in said car, another of said units being arranged to draw air from a refrigerant bunker in the car and direct said air into said car, whereby the air circulating units normally circulate air through said bunkers, heating elements incorporated in said air circulating units, and means responsive to predetermined low temperatures occurring within the car for operating the heating elements to heat the air.

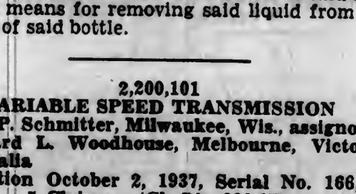
2,200,099

ENVELOPE

Pierrepont I. Prentice, Pelham Manor, N. Y., assignor to Time, Inc., New York, N. Y., a corporation of New York

Application April 8, 1938, Serial No. 200,816
3 Claims. (Cl. 229—68)

1. An envelope comprising an elongated rectangular front portion, a substantially rectangular flap integral with one side thereof and extending throughout the length thereof, said flap having a width substantially the same as that of said front portion, the opposite side of said front portion having a substantially rectangular flap integral throughout the length thereof and having a width less than that of the first named flap, one end of said front portion having a relatively large substantially rectangular flap extending throughout the length of said end and integral therewith, the other end having a relatively small substantially rectangular shaped flap integral therewith throughout the length thereof, the longitudinal free edge of the second named flap being substantially parallel to the longitudinal



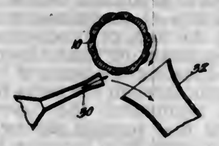
edge of said front portion, the first named flap when in folded position lying over said infolded end flaps, said second named side flap when in folded position overlapping said first named flap and having that portion adjacent its free edge secured only to said first named flap throughout substantially the entire length of said free edge, and said smaller end flap when in foldled position under said first named flap being secured only to the adjacent edge of said first named flap.

2,200,100

BOTTLE INSPECTING DEVICE

Lawrence T. Sachtleben, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 28, 1937, Serial No. 139,386
3 Claims. (Cl. 34—26)



3. A bottle inspection device including means for rotating the bottle, means adapted to direct a stream of air tangentially thereagainst in a direction opposite to the direction of said rotation for removing liquid from the surface of said bottle, and means for removing said liquid from the vicinity of said bottle.

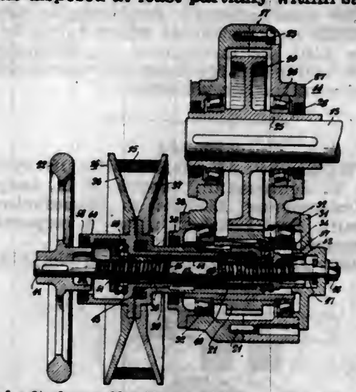
2,200,101

VARIABLE SPEED TRANSMISSION

Walter P. Schmitter, Milwaukee, Wis., assignor to Richard L. Woodhouse, Melbourne, Victoria, Australia

Application October 2, 1937, Serial No. 166,962
5 Claims. (Cl. 74—230.17)

1. In a power transmission, a combined belt tightener and variable diameter change speed unit comprising a main gear adapted to be fixed to a main shaft, an arm mounted to swing about said main shaft as a center, a pinion meshing with said gear, a hollow shaft carrying said pinion and journalled in said arm, a pulley secured to said hollow shaft and comprising separable conical sections forming a V-shaped groove, and means disposed at least partially within said hollow shaft for adjusting said sections to provide different effective pulley diameters.



2,200,102

HAT-CROWN RETAINER

John Sepe, Brooklyn, N. Y.

Application February 9, 1938, Serial No. 189,551
6 Claims. (Cl. 223—24)



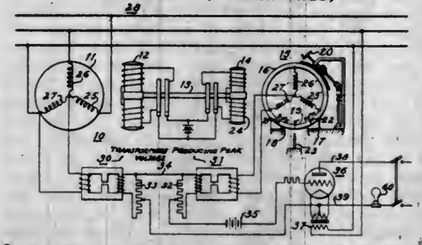
1. A hat-crown blocking retainer adapted for engagement with the crown of a hat mounted upon a block, said retainer comprising a pair of relatively strong yet manually extensible helically wound springs, a pair of flat narrow members joined at their ends to the ends of said springs and arranged with said springs alternately in an endless loop of head size substantially smaller than that of the block, said flat members comprising a minor portion of the perimetrical distance of said endless loop and adapted to tightly engage the lowest portion of the crown of a hat at the juncture of the crown and the brim thereof under high radial compression.

2,200,103

PHASE INDICATING MEANS

Charles C. Shutt, Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 21, 1938, Serial No. 203,307
4 Claims. (Cl. 172—245)



3. A system for measuring the angular displacement of the rotor of a synchronous machine, comprising means for deriving a substantially

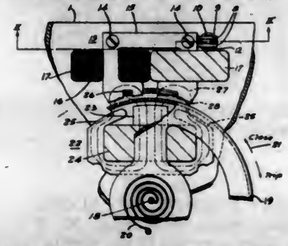
peaked test voltage in synchronism with the voltage on a stationary winding of the machine, means for simultaneously generating a second substantially peaked voltage which varies in accordance with the mechanical displacement of the shaft, and means for measuring the electrical angle between the two voltages.

2,200,104

NETWORK RELAY ADJUSTING DEVICE

William K. Sonnemann, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 9, 1937, Serial No. 119,806
4 Claims. (Cl. 175—338)



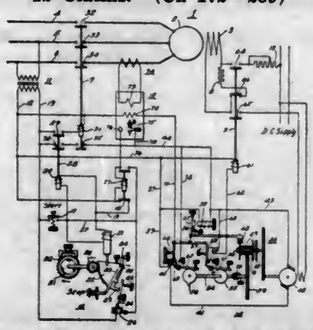
1. In an alternating-current power-responsive network protective device, a rotatable drum having a conducting skirt portion, a potential magnet within said drum, said potential magnet having a salient pole adjacent said skirt portion, a current magnet outside of said drum, said current magnet having a pair of polar projections substantially symmetrically disposed with reference to said salient pole along the periphery of said skirt portion, a short-circuited coil mounted on said current magnet in a position to divide the effective pole area of each of said polar projections into two parts and to enclose one of said parts for each of said polar projections, and means for angularly adjusting said current magnet to bring one of said polar projections into closer proximity to said skirt portion than the other of said polar projections.

2,200,105

SYNCHRONOUS MOTOR CONTROL SYSTEM

James G. Stephenson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 13, 1939, Serial No. 284,153
12 Claims. (Cl. 172—289)



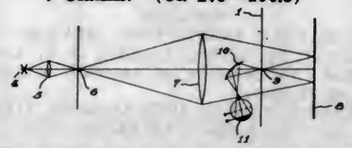
1. A control system for a synchronous motor comprising, in combination, a synchronous motor including armature and field windings, an alternating current source of potential for said armature winding, a direct current source of potential for said field winding, time delay means for completing an electrical circuit from said direct current source to said field winding after said motor has operated for a predetermined period of time, a power factor relay which is operable by said alternating current source of potential, a circuit for said power factor relay which is completed by said time delay means at a predetermined time interval following said previous direct current, field energizing operation, said power factor relay being operable to effect deenergization of said synchronous motor upon occurrence of abnormal power factor, said time delay means including a second synchronous motor, a train of gears and two pairs of contact members which are successively operated after predetermined periods of operation of said second synchronous motor, the operation of said first pair of contact members being effective to complete a circuit from said direct current source to said field winding and the second of said pair of contact members being effective to complete a circuit through said power factor relay.

2,200,106

METHOD AND APPARATUS FOR SOUND REPRODUCTION

Fritz Steube, Leipzig, Germany, assignor to Klangfilm G. M. B. H., Berlin, Germany, a corporation of Germany

Application August 3, 1938, Serial No. 222,923
In Germany August 6, 1937
7 Claims. (Cl. 179—100.3)



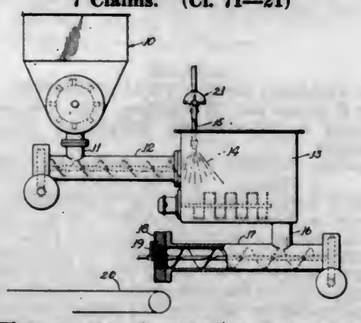
1. The method of producing volume expansion in the reproduction of photophonographic records comprising the steps of directing a relatively large converging beam of light through a film and thereafter directing the beam of light in the form of a fine line through the same film area to a photoelectric reproducer, the convergence of the beam on its first passage through the film being such as to bring it to focus on the film in its second passage.

2,200,107

METHOD OF CONDITIONING FERTILIZER

Henry J. Weitz, Morris, Ill.

Application January 23, 1937, Serial No. 121,989
7 Claims. (Cl. 71—21)



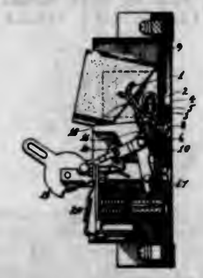
1. The process of preparing natural animal manure for use as a fertilizing medium which includes the step of compressing a moist mass of natural animal manure to produce an article shaped for convenient handling while heating the compressed mass until substantially a hard condition is attained.

2,200,108

BLOW-OUT MECHANISM

Kurt W. Wilckens, Trenton, N. J., assignor, by mesne assignments, to Heinemann Circuit Breaker Company, Trenton, N. J., a corporation of New Jersey

Application August 10, 1938, Serial No. 224,036
3 Claims. (Cl. 200—147)



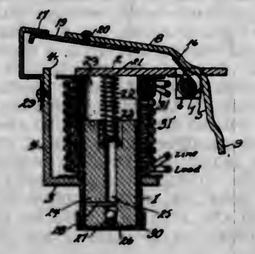
1. In a blow-out mechanism, an electrode comprising a strip containing an aperture, said strip having a section extending across one side of said aperture and providing a mounting member, said strip having an end section looped through said aperture and having an outer face providing a switch contactor.

2,200,109

CURRENT LIMITER

Kurt W. Wilckens, Philadelphia, Pa., assignor, by mesne assignments, to Heinemann Circuit Breaker Company, Trenton, N. J., a corporation of New Jersey

Application May 23, 1934, Serial No. 727,113
4 Claims. (Cl. 200—109)



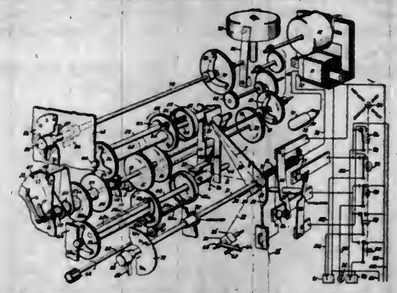
1. In a circuit breaker of the tripping toggle type, an electro-magnetic trip mechanism comprising a tube having an end closure of magnetizable material forming a pole piece, a magnetizable member between the ends of said tube and forming a second pole piece, an electro-magnetic coil wound on said tube between said magnetizable member and said end closure, a magnetizable core magnetically movable into engagement with said end closure and extending therefrom to said magnetizable member, and an armature magnetically movable into magnetically bridging contact with the said pole pieces to operate the tripping toggle.

2,200,110

TIME SWITCH

Herbert H. Andersen, Beverly, Mass., assignor to General Electric Company, a corporation of New York

Application February 24, 1939, Serial No. 258,219
9 Claims. (Cl. 200—39)



1. A timer comprising a clock dial, clock hands cooperating with said dial, minute and hour hand shafts, a motor for driving said shafts, a switch, a pair of means driven from said hour hand shaft for controlling different operations of said switch, a pair of adjustable means for determining the times of operation of said controlling means on said switch, said adjustable means including a pair of pointers independently adjustable about said clock dial and a pair of rotatable sleeves outside and concentric to said minute and hour hand shafts and to which said pointers are secured, and a stationary sleeve between said shafts and pair of sleeves and concentric thereto for supporting said clock dial from its central position, said pointers extending from the rear about the outer edge of said clock dial to indicate on the front periphery thereof.

2,200,111

DISPENSING PAPER PACKAGE

Duryea Bensel, New York, N. Y., assignor to Bensel Corporation, New York, N. Y., a corporation of Delaware

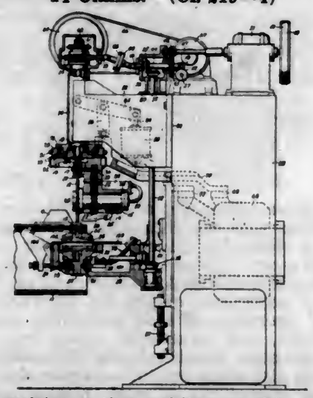
Application February 24, 1937, Serial No. 127,377
11 Claims. (Cl. 229—1.5)



1. A substantially cone-shaped package, for loose dry flowable granular material, of substantially circular cross-section having a diameter substantially as great as half the length of the axis, and comprising a blank of limp paper adhesively sealed, and provided with an annular imperforate weakened line portion disposed around and symmetrically to the main axis of the package and strong enough to hold the contained material in ordinary use, said line being so disposed and weak enough to be ruptured and release the material, without rupturing the package elsewhere, when the package adjacent to said line is squeezed together from opposite sides in directions toward said axis; said line being so disposed that when they are sufficiently ruptured, a wide opening is formed in the package; the paper away from the weakened

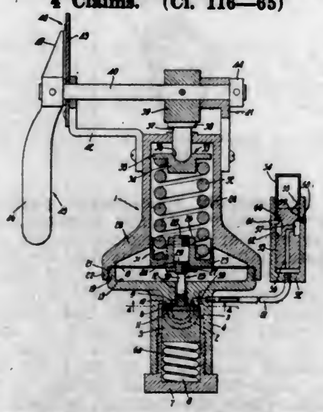
lines being strong enough to limit the rupture caused by said squeezing approximately to the vicinity of said line.

2,200,112
RESISTANCE LINE WELDING MACHINE
Ralph A. Gilbert, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 1, 1938, Serial No. 243,369
14 Claims. (Cl. 219—4)



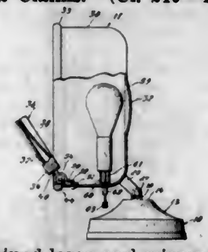
1. A resistance line welding machine comprising cooperating electrodes adapted to make a rolling engagement with the work inserted therebetween, means for rolling said electrodes along the work, and means for bodily turning said electrodes in the same direction through the same angular displacement about their point of engagement with the work.

2,200,113
SIGNAL MEANS FOR COMPRESSED FLUID DELIVERING APPARATUS
Meyer Horn, Maplewood, N. J., and Joseph Ross, Flushing, N. Y.
Application May 16, 1939, Serial No. 273,916
4 Claims. (Cl. 116—65)



4. In an apparatus for delivering compressed fluid, the combination with a fluid transmission line, of a pressure responsive shut-off valve therein, a fluid operated signal device for indicating the condition of the valve, means responsive to the condition of the valve for transmitting signal operating fluid to the signal device only so long as the valve is open, said signal device comprising a whistle, means normally covering the whistle and maintaining the whistle inoperative, fluid operated means for projecting the whistle outward to an operative position, and means for limiting outward movement of the whistle, said whistle being operable by gravity to return the same to normal inoperative position immediately upon the closing of the valve.

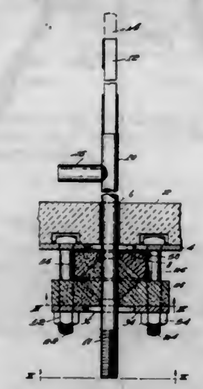
2,200,114
COMBINED LAMP AND MIRROR STRUCTURES
Harry Konikoff, Far Rockaway, N. Y.
Application July 22, 1939, Serial No. 285,977
2 Claims. (Cl. 240—4.2)



1. A combined lamp and mirror structure comprising a substantially cylindrical housing which is open at one end, a lamp positioned within said housing, a base member and adjustable pivotal means for mounting the housing on the base member, a mirror structure comprising an annular frame of smaller diameter than the open end of the housing and a plurality of mirrors mounted therein back to back, one of such mirrors being a plane mirror and the other a magnifying mirror, and means for pivotally mounting said mirror structure substantially in the center of the open end of the housing, said means comprising a substantially cylindrical stud, a pivotal mounting for such stud adjacent to the open end of said housing comprising an elongated strip secured at one end thereof to the inner surface of the housing, the opposite end of the strip being curved to form a bearing member which encloses the stud, such bearing portion having an annular slot therein, the stud having a radially disposed aperture therein, a radially disposed pin rigidly carried by the mirror frame, the outer terminal thereof being positioned within said aperture in the stud, the bearing member having a central annular slot to receive the pin and permit rotative movement of the stud, and means for permitting rotative movement of the pin relative to the stud, whereby the mirror structure may be moved outwardly from the housing on the pivot afforded by the stud and may be rotated on the axis of the pin.

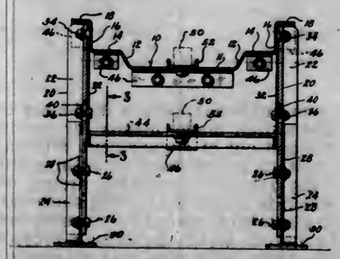
2,200,115
TERMINAL OUTLET FOR INDUSTRIAL FURNACES
Gerhard P. Lessmann, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 25, 1939, Serial No. 269,922
8 Claims. (Cl. 174—151)

1. A terminal outlet structure primarily for an electric furnace, comprising the combination with a metallic shell for said furnace provided with a hole, and a conductor passing through said hole, said conductor being of smaller diameter than said hole; of a plurality of insulating boards having means through which said conductor passes, means for confining said boards each to different directions of freedom of movement parallel to



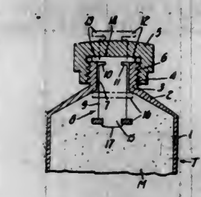
said shell, means to clamp said boards to said shell, said means cooperating with said boards and conductor for fixing said conductor away from the edges of said shell that define the said hole therein.

2,200,116
CASE CONVEYER
Walter R. Maguire, Manhasset, and Edwin J. Lockwood, Peekskill, N. Y., assignors to Walter Maguire Company, Inc., New York, N. Y., a corporation of New York
Application January 3, 1938, Serial No. 183,050
6 Claims. (Cl. 198—204)



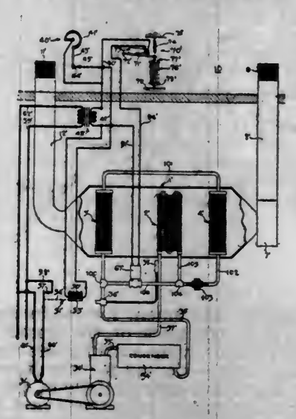
1. A conveyer section comprising a trough member rigidly formed of a single relatively long sheet of metal bent into a modified U-shape, with vertical sides, horizontal portions adjacent the bottom of said vertical sides forming slideways projecting inwardly from said sides, and a central portion between said guideways having its upper surface below the level of said slideways, a chain channel disposed in said central portion, apertured clips arranged at each end of said trough member by which the section may be bolted to adjacent duplicate sections, gusset plates rigidly joined to the vertical sides opposite each other and depending downwardly from the sides, a leg secured to each gusset plate and means to adjust said leg on said plate in a vertical plane parallel to the sides of the trough comprising a bolt about which the leg may be pivoted and a second bolt operable through a slot in one of the members to lock the leg in adjusted position on the plate.

2,200,117
DISPENSING DEVICE
Vinton K. Milbank, Scarsdale, N. Y.
Application October 25, 1938, Serial No. 236,835
7 Claims. (Cl. 221—60)



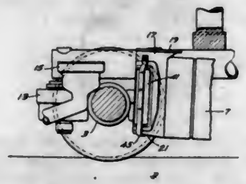
1. A device for dispensing paste material from a container comprising in combination, a neck secured to the container and provided with a discharge passage, an elongated valve passing through said passage and comprising a stem whose width is only slightly less than that of said passage whereby the bounding wall of said passage serves to guide said stem centrally therethrough and at least a portion of said stem extending into the paste material and adapted to transfer a portion thereof past the outer end of said neck, and a closure member secured to the end of said stem and arranged to close said discharge passage upon the discharge of a predetermined amount of the paste material therefrom.

2,200,118
AIR CONDITIONING SYSTEM
Wayland R. Miller, Nashotah, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 15, 1936, Serial No. 105,840
12 Claims. (Cl. 62—6)



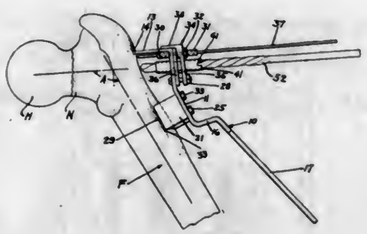
4. In an air conditioning system for a space, in combination, a conditioning chamber, means for causing air to flow through said conditioning chamber, a refrigeration system for cooling and dehumidifying the air flowing through said chamber, said refrigeration system including a first evaporator, a second evaporator, and a condenser located in said conditioning chamber, means for passing refrigerant from said first evaporator to said condenser, and means for passing refrigerant from said condenser to said second evaporator.

2,200,119
ENCLOSURE FOR RAILWAY MOTORS
Erich O. Mueller, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1938, Serial No. 187,705
22 Claims. (Cl. 172—286)



1. In an electric railway car truck having a frame, an axle mounted therein, motor means for driving said axle including a housing having an opening accessible only from a limited space of said truck, a cover plate for said opening adapted to be removed without the use of tools, means comprising a normally loose joint for removably suspending said cover plate at a point removed from said space, and means for fastening said cover plate operable at said accessible space, whereby the cover may be easily fastened in place or removed.

2,200,120
FRACTURE NAIL GUIDE
Walter W. Nauth, Winona, Minn.
Application April 30, 1938, Serial No. 205,317
14 Claims. (Cl. 128—83)



3. A surgical instrument for use in the fixation of fractures of the neck of the femur comprising a drill frame having a drill guide means having locating edges oriented for simultaneous contact with the femur substantially at the trochantric and gluteal ridges respectively said drill guide being oriented with respect to the locating edges so as to guide the drill through the femur neck.

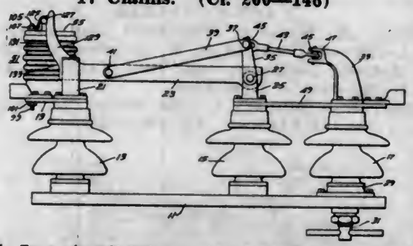
2,200,121
BROOM REINFORCER
Louis A. O'Lena, Forest Hills, N. Y.
Application July 8, 1938, Serial No. 218,055
1 Claim. (Cl. 15—247)

A reinforcer for brooms embodying a unitary knit body having continuous and contiguous lines of looped stitches progressively approaching each other substantially from the bottom to the top of the reinforcer thus creating a stiffened and



restricted neck opening formed of the textile material of the body.

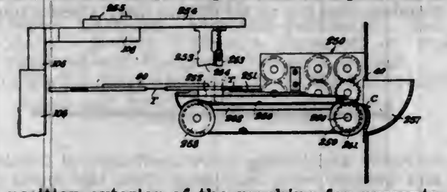
2,200,122
CIRCUIT INTERRUPTING DEVICE
Herbert L. Rawlins, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 25, 1938, Serial No. 198,072
17 Claims. (Cl. 200—146)



1. In a circuit interrupter, a stationary contact, a movable switch blade, means for moving said blade into and out of engagement with said stationary contact, an enclosed arc extinguishing device having relatively movable arcing contacts one of which is connected to said stationary contact, and a rotatable means for opening and closing said contacts, means including a projection on said blade engageable with said rotatable means during only a portion of the movement of said blade adjacent said stationary contact for connecting said blade in circuit with said device and for causing rotation of said rotatable means to open said arcing contacts immediately following disengagement of said blade from said stationary contact during an opening operation of the blade.

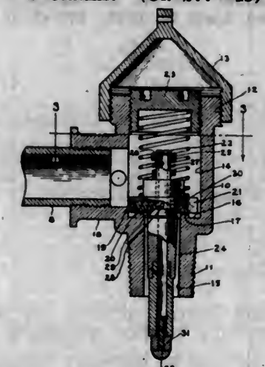
2,200,123
ADMISSION TICKET CHECKING AND DISPENSING APPARATUS
George D. Roedels, New York, N. Y., assignor to Bell Punch Company, Ltd., London, England
Application April 15, 1936, Serial No. 74,464
5 Claims. (Cl. 164—15)

1. In a cancelling machine for tickets, means for feeding a strip of tickets including an arbitrary number of tickets into the machine in a step by step manner, means for severing individual tickets from the strip, means for severing each ticket of said strip into two substantial portions, means for guiding one of said portions to



a position exterior of the machine for presentation to a patron, and means for storing the other portion of each ticket.

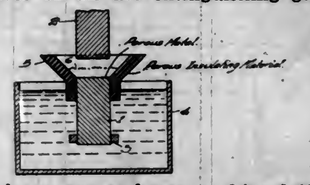
2,200,124
RELIEF VALVE
Hillard J. Sands, Cleveland, Ohio, assignor to Garry Sands, Cleveland, Ohio
Application June 19, 1937, Serial No. 149,242
2 Claims. (Cl. 277—45)



1. A relief valve mechanism of the pressure, vacuum and temperature type comprising a housing including a pair of chambers adapted to be positioned in vertical alinement with a boiler with the lower chamber connected therewith, spring urged reversely operating pressure and vacuum relief valves normally separating said chambers, the vacuum valve including a hollow sleeve having a portion slidable through the pressure valve and snugly engaging the same, the upper end of said sleeve being positioned in the upper chamber in constant communication therewith while the lower end extends through the lower chamber, a fusible plug closing the lower end of said sleeve against normal communication with the upper chamber, and the portion of said sleeve that is slidable through the pressure valve having a plurality of apertures normally held out of communication with the lower chamber by spring pressure and communicating therewith for vacuum relief through said sleeve whereby the hollow sleeve furnishes a single means of communication between the chambers for vacuum and temperature relief.

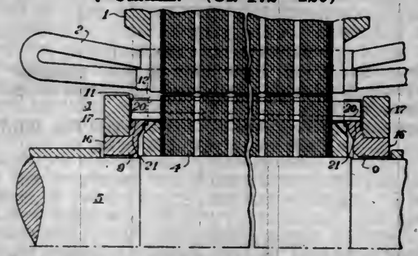
2,200,125
ELECTRICAL CONTACT MEANS
Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1938, Serial No. 202,016
22 Claims. (Cl. 200—149)

1. Electrical contact means comprising a pair of separable contacts at least one of which contains a conducting material and a substance which gives off an arc extinguishing gas when



acted on by an arc, and means of insulating material associated with said contact means for keeping the arcs drawn during separation of the contacts on the face of the contacts.

2,200,126
DAMPER BAR
Philip C. Smith, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 16, 1938, Serial No. 219,515
7 Claims. (Cl. 172—120)

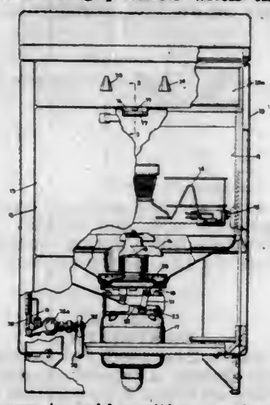


5. A dynamo-electric machine preferably of the squirrel-cage induction type having a rotor member with substantially longitudinal slots and main damper bars therein, the slots being generally formed with sides outwardly converging, and the damper bars of the same general cross-section, but of lesser depth, and an additional wedge bar for each of said slots interposed between the bottom of the slot and the contained main damper bar forcing the last said main damper bar into intimate contact with the said converging sides of the slot, the depth of the last said main damper bar at all points axially along its length being considerably in excess of that of the last said wedge bar.

2,200,127
WASHING APPARATUS
Edgar S. Stoddard, Berwyn, and Philip K. Borman, Chicago, Ill., assignors to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application August 27, 1937, Serial No. 161,259
11 Claims. (Cl. 141—9)

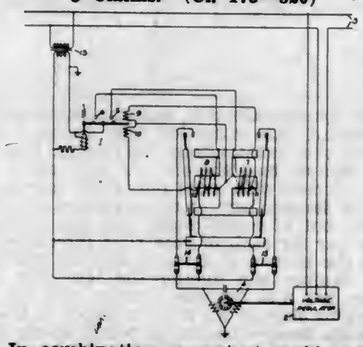
7. Washing apparatus comprising a vat, a cover for closing said vat, a liquid supply valve for said vat, means for circulating liquid in the vat, a motor for driving the circulating means, a control member for the supply valve and motor, operating to start said motor when moved to a first controlling position and to open the valve when moved to another controlling position beyond the first position while the motor continues to operate so that the liquid supplied into the vat while the valve is open is circulated by said liquid circulating means, a latch for locking said door closed, and an operating connection between the

latch and control member arranged to move the latch to its locking position when the control



member moves to said position so that the circulated liquid cannot escape from the vat.

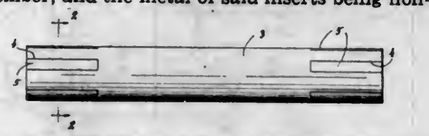
2,200,128
CONTROL CIRCUIT
Harry R. West, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 31, 1937, Serial No. 182,737
5 Claims. (Cl. 175—320)



1. In combination, a contact making instrument, an alternating current circuit controlled by the contacts of said instrument, a load device having mechanically movable magnetic parts operated by a winding connected in said circuit, holding means for the contacts of said instrument, and means for energizing said holding means by transformer action from said winding.

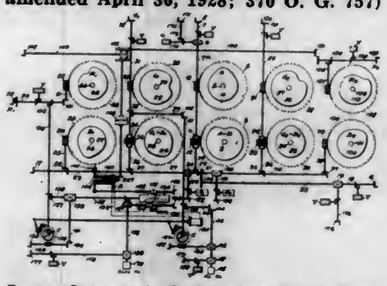
2,200,129
BEARING MEMBER
Alexander W. Whiteford, New York, N. Y.
Application September 9, 1938, Serial No. 229,045
3 Claims. (Cl. 308—239)

1. As an article of manufacture, a rotatable bearing member comprising an elongated cylindrical body of relatively soft metal having a series of recesses spaced about and extending inwardly from the end of the body parallelly of the axis thereof, and strips of hard metal inserted in said recesses and integrally united to the metal of the bearing member, said recesses and inserts being disposed about the bearing member whereby at least two of the inserts at all times engage a co-operating bearing member and take up the pressure of the load on the bearing member, and the metal of said inserts being non-



corrosive and having a low coefficient of friction and greater wear resistance than the metal of the bearing member.

2,200,130
DIRECTOR
John T. Lewis, United States Army, Rockford, Ill., and Gervais W. Trichel, United States Army, Philadelphia, Pa.
Application March 4, 1940, Serial No. 322,058
28 Claims. (Cl. 235—61.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fire control director for solving an equation involving the first expression

$$\frac{\sin A \cdot BA}{\sin (A+B)}$$

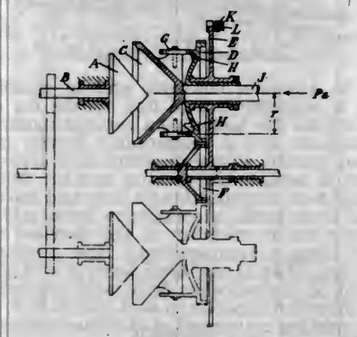
and second expression

$$\frac{\sin G_{1,2,} \ldots BG_{1,2,} \ldots}{\sin (B_{1,2,} \ldots + G_{1,2,} \ldots)}$$

comprising in combination first and second cams movable proportional to angles A and $(A+B)$, an indicator having relatively displaceable indices, one of said indices being displaceable in accordance with a value determined by using one other term obtained from each of said expressions, third and fourth cams movable to indicate angles $G_{1,2,} \ldots$ and $(B_{1,2,} \ldots + G_{1,2,} \ldots)$, said index being also relatively displaceable in response to the movement of each of said cams, the lifts of all of said cams being proportional to the sines of the angles of displacement of the cams; all whereby upon restoration of said index to its original position with respect to the other of said indices by operation of said cams the first and second expressions will be equated.

15. In a device of the class described comprising in combination, a support, an indicator of the type having a member movable relative thereto to displace a pointer with respect to an index between predetermined maximum and minimum limits, means mounting the indicator in the support for bodily movement, means for bodily moving the indicator relative to said member and yieldable means supporting the indicator in a normal position in the support and adapted to yield when said member or means for bodily moving the indicator are urged to a position beyond the position corresponding to the maximum one of said predetermined limits.

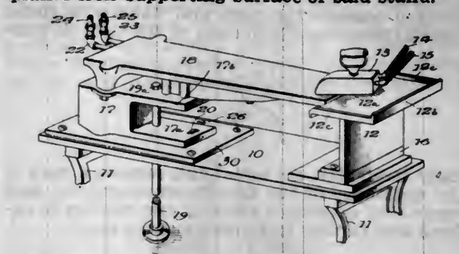
2,200,131
CONTINUOUSLY VARIABLE CHANGE-SPEED GEAR
Prosper L'Orange, Stuttgart-Feuerbach, Germany; Rudolf L'Orange executor of the estate of said Prosper L'Orange, deceased
Application December 23, 1938, Serial No. 247,527
In Germany April 5, 1937
11 Claims. (Cl. 74—191)



1. A continuously variable change-speed gear comprising a rotating driving friction element and a rotatable driven friction element co-operating therewith, a conical friction surface on at least one of the elements engaged by the other element, means for moving one of the elements whilst maintaining the axis thereof perpendicular to a given plane, means for applying between the said elements a radial force proportional to the load, means for also applying between the said elements a second force also proportional to the load and acting in an axial direction, the said axial force being such, relatively to the radial force, that the resultant of the two forces acts in a direction normal to the conical friction surface where such surface engages the other element, even when the load is varying, and an independent external control for adjusting the gear ratio, whereby during the adjustment of the gear ratio by the said independent external control work is not directly expended against the said resultant force.

2,200,132
PRESSING TABLE
Mauro Di Mauro, Scranton, Pa., assignor of one-half to Sheldon Pell, Scranton, Pa.
Application May 16, 1939, Serial No. 274,063
5 Claims. (Cl. 38—107)

1. In an apparatus for the hand-finishing of trousers and like objects having a tubular section to be pressed: a table, a stand mounted upon said table having a horizontal top surface adapted to receive and support a conventional tailor's iron, a cantilever platen the extended arm of which is adapted to receive and support the tubular member to be pressed, and means for securing said platen to said table and definitely maintaining the top surface of its extended arm in the horizontal plane of iron-support of said stand, said last-mentioned means including a vertical-pivot platen mount the vertical pivot-axis of which is spaced from the proximate edge of said iron stand a distance equal to the radial length of said extended platen arm enabling selective manual placement of said platen arm with its horizontally-maintained top surface in either a position of substantial continuity or a position of wide spacing with respect to the co-planar iron-supporting surface of said stand.



5. In an apparatus for the hand-finishing of trousers and like objects having a tubular section to be pressed: a table, a stand mounted upon said table having a horizontal top surface adapted to receive and support a conventional tailor's iron, a steam chambered cantilever platen the extended arm of which is adapted to receive and support the tubular member to be pressed, means for securing said platen to said table and definitely maintaining the top surface of its extended arm in the horizontal plane of iron support of said stand, said last-mentioned means including a vertical-pivot platen mounting the vertical pivot-axis of which is spaced from the proximate edge of said iron stand a distance equal to the radial length of said extended platen arm enabling selective manual placement of said platen arm with its horizontally-maintained top surface in either a position of substantial continuity or a position of wide spacing with respect to the co-planar iron-supporting surface of said stand, a steam-supply conduit attached to said platen adjacent its pivot mounting and communicating with the platen steam chamber in either selective position recited, and stop means associated with said pivot mounting for positively defining the position of substantial continuity of platen and iron stand and positively limiting the extent of swing of said steam-supply-coupled platen arm.

2,200,133
METHOD OF AND MEANS FOR STRAIGHTENING OUT DEFORMED AUTOMOBILE BODIES AND THE LIKE
Sigmund Mandl, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application January 21, 1937, Serial No. 121,436
9 Claims. (Cl. 153—32)

1. A pressure member for use in bending the distorted sheet metal of automobile bodies and the like to restore them to substantially their original shapes comprising, in combination, a base member having a central convex surface and a peripheral flange, said member having a socket for detachably receiving a thrust rod and a well rounded convex pad of elastic rubberlike material bonded to said convex surface of said base and being of a size large enough to apply enough force to a deformed sheet metal part of an automobile body at a limited unit pressure to restore the same to normal form without secondary deformation caused by the application of the force, the body of rubberlike material extending radially beyond said flange to protect the same from contact with other objects.

9. Method of removing a dent from sheet metal such as the body of an automobile, which comprises engaging the innermost portion of the dent with the convex face of a cushion of tough resilient elastic rubber-like material shaped like a

segment of a ball, pressing the cushion against the dent with a force sufficient to flatten the cushion against the dent and holding it there, then hammering the margin of the dent to par-



tially straighten the metal and remove a part of the resistance of the dent to straightening, said removal of resistance allowing the cushion to expand and further straighten out the dent.

2,200,134

PROCESS FOR PRODUCING SHRINKAGE EFFECTS IN TEXTILES

Paul Schlack, Berlin-Treptow, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application September 15, 1937, Serial No. 163,921. In Germany September 30, 1936

5 Claims. (Cl. 8—131)

1. A process for producing shrinkage effects in a textile material consisting chiefly of an organic cellulose derivative having incorporated throughout the filaments and fixed therein at least one polymeric hydrophile component of the group consisting of—polymerized vinyl ethers, polymerizates and mixed polymerizates containing α-β-unsaturated acids, mixed polymerizates from maleic acid anhydride and vinyl compounds, alkyl-resins containing free acid groups, ester-acids of polymeric hydroxy-compounds, polymerizates of the polyvinyl-series containing basic nitrogen, basic amides of polymerized acrylic acids, polymeric ethylene imines, and mixtures of these substances—which process comprises heating said textile material in an aqueous liquid capable of swelling said polymeric component and of softening said organic cellulose derivative, whereby said hydrophile component is swollen, distorting the organic cellulose derivative filament and causing the same to shrink.

2,200,135

PROCESS FOR PRODUCING CREPE EFFECTS IN TEXTILES

Paul Schlack, Berlin-Treptow, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application September 15, 1937, Serial No. 163,922. In Germany September 30, 1936

6 Claims. (Cl. 28—1)

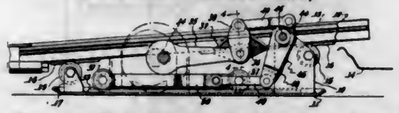
1. A process of producing crepe effects, which comprises weaving alternatingly organic cellulose ester threads and organic cellulose ester threads having incorporated and fixed within the body of the filament a polymeric hydrophile addition product increasing the swelling capacity of said organic ester threads and selected from the group consisting of polymerized vinyl ethers, polymerizates and mixed polymerizates containing α-β-unsaturated acids, mixed polymerizates from maleic acid anhydride and vinyl compounds, alkyd resins containing free acid groups, ester-acids of polymeric hydroxy-compounds, polymerizates of the vinyl series containing basic nitrogen, basic amides of polymerized acrylic acids, polymeric alkylene imines, and mixtures of these substances and heating the resulting fabric in an aqueous bath.

2,200,136

SHAKER CONVEYER

William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application November 20, 1936, Serial No. 111,773
Renewed August 5, 1939
6 Claims. (Cl. 198—220)



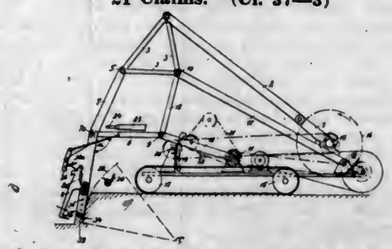
1. In a shaker conveyer and in combination with a conveyer trough line, means for driving said trough line including a variable motion drive mechanism and a reciprocably driven member driven thereby, a base on which said drive mechanism is mounted, a rocking member fulcrumed on said base intermediate its ends and having unequal lever arms, a connection from said reciprocably driven member to the shortest of said lever arms, a counterweight, and a connection from the other of said lever arms to said counterweight to reciprocably drive said counterweight in a direction opposite to said trough line, to prevent shifting movement of said base during reciprocation of said trough line.

2,200,137

MACHINE FOR CUTTING, LIFTING, AND CONVEYING PEAT SODS

Johannes Steinert, Hanover, Germany, assignor to Eduard Dyckerhoff, Bluemnau, near Wunstorf, Germany

Application November 21, 1938, Serial No. 241,591
In Germany December 2, 1937
21 Claims. (Cl. 37—3)



1. A machine for cutting, lifting and conveying peat sods, comprising a cutter system consisting of horizontal and vertical knives adapted to cut one horizontal and three vertical sides of the peat sods, a movable beam carrying said cutter system at one end thereof, a mechanism connected to said beam for causing upward and downward movements of said cutter system, and guiding means connected to an intermediate point of said beam, said guiding means being adapted to guide said cutter system during said upward and downward movements in a path of a continuous curve one end of which lies above a conveyor device and the center of curvature of which is situated in the mass of peat below the machine.

2,200,138

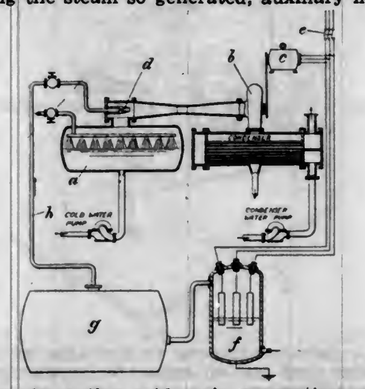
ELECTRICALLY OPERATED VACUUM REFRIGERATING PLANT

Walter von Sauer, Berlin, Germany

Application August 30, 1938, Serial No. 227,573
In Germany September 1, 1937
1 Claim. (Cl. 62—152)

In a vacuum operated refrigerating plant, a vacuum vessel, main electrically operable means for evacuating the vacuum vessel, electrical

means operable during the operation of said first mentioned means for generating steam, means for storing the steam so generated, auxiliary means



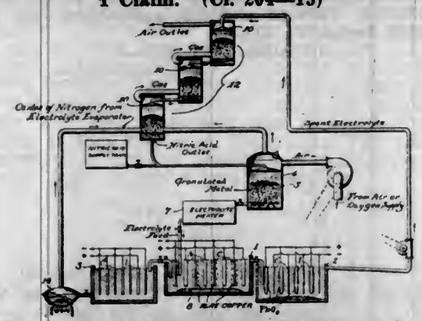
for supplementing said main evacuating means connected to said storage means and associated with said first mentioned evacuating means.

2,200,139

PROCESS FOR RECOVERY OF METALS FROM ALLOYS AND METALLURGICAL RESIDUES

Clarence B. White, Philadelphia, Pa.

Application February 1, 1939, Serial No. 254,123
1 Claim. (Cl. 204—15)



The method of treating materials such as scrap metal, brass, commercial residues and metallurgical by-products, containing copper in major amount and metals such as, tin, lead, zinc, nickel and silver in minor amount to separate and recover said individual metals, which comprises melting said materials and casting the molten metal into the form of anodes, utilizing said anodes with cathodes of copper or other suitable material in an electrolyzing tank containing an electrolyte consisting essentially of a nitric acid solution of copper nitrate passing an electric current between the anodes and cathodes to dissolve the copper, lead, zinc, iron and nickel from the anodes, the tin and silver separating from the anodes as a sludge, and to deposit only substantially pure copper upon said cathodes.

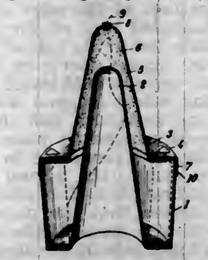
2,200,140

APPARATUS FOR UNWINDING LOOSE WINDINGS OF THREAD

Adolf Willeke, Chemnitz, and Wilhelm Eller, Dessau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application July 7, 1938, Serial No. 217,954
In Germany July 13, 1937
2 Claims. (Cl. 242—129)

1. Apparatus for unwinding unsupported wound bodies of threads, for example ring cops or spinning cakes or the like, which apparatus comprises a pot-shaped protecting container adapted to receive the winding of the threads, a polished core in the center of the said container having a conical upper part extending out of said pot-shaped protecting container, a



detachable cover on said pot-shaped container having a conical extension adapted to fit over said conical core, while leaving enough space between said conical core and the inner wall of said conical extension for the thread to pass freely therethrough, said conical extension of said cover being perforated at its apex and having a polished annular rim at its base.

2,200,141

BEARINGS, ESPECIALLY FOR WEIGHING MACHINES

Armin Wirth, Zurich, Switzerland

Application February 12, 1938, Serial No. 190,313
In Germany February 25, 1937
17 Claims. (Cl. 308—2)



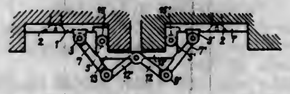
1. A bearing member, especially for weighing machines, comprising a relatively thin metal disc, one side of said disc being provided with cup-shaped recesses for the reception of pressure bodies, for example balls, the other side of said disc being provided with a groove for the reception of a knife edge of the weighing machine, the radii of curvature of said recesses being appreciably greater than that of said pressure bodies.

2,200,142

HINGE

Marie Witschi, Batterkinden, Switzerland, assignor to Sepa Scharnier A.-G., Olten, Switzerland, a corporation of Switzerland

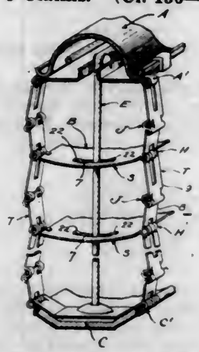
Application November 18, 1938, Serial No. 241,154
In Switzerland November 22, 1937
2 Claims. (Cl. 16—164)



1. A hinge comprising a pair of base plates, two sets of apertured lugs on each of said base plates, one set of lugs being located adjacent one longitudinal edge of the base plates and the second set of lugs being arranged parallel to the first set but relatively displaced thereto, said base plates having recesses between said apertured lugs, a pair of double-armed levers arranged crosswise to one another, the arms of said levers, being at an angle to one another, said levers having lugs

and recesses located along the centre line thereof, the recesses of one lever being adapted to receive the lugs of the other lever, said lugs being apertured, a hinge pin extending through the lugs of said levers, one arm of each of said levers having spaced lugs arranged at right angles to said arm, the right-angled lugs of one lever being hingedly connected to the lugs at the edge of one plate, while the right-angled lugs of the other lever are hingedly connected to the lugs at the edge of the second plate, spaced apertured lugs at the ends of the other arms of said levers, and a pair of links, one link being engaged with the lugs at the end of one lever arm and the inner set of lugs on the corresponding plate, while the second link is hingedly connected to the lugs of the second lever and to the second set of lugs on the corresponding plate, the whole arrangement for the purpose that the plates with the lugs and levers form a closed protecting surface against dirt in all positions of the hinge.

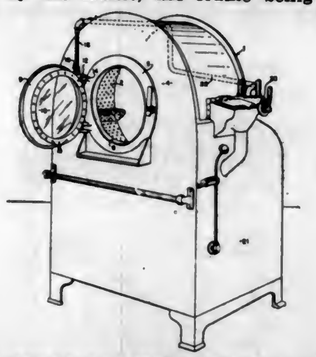
2,200,143
VENETIAN BLIND
Ernest E. Wolfe, Los Angeles, Calif., assignor to Metal Tape Company, Los Angeles, Calif., a corporation of California
Application July 24, 1939, Serial No. 286,125
9 Claims. (Cl. 156—17)



1. A strap for connecting and supporting the slats of a Venetian blind, comprising a plurality of hingedly joined links and slat attaching clips of which the clips are connected with certain hinge joints of said links whereby the other hinge joints will be disposed between the slats, means embodied at said other hinge joints for limiting the hinge action of said links so that they will extend outwardly from the slats, certain of said links being shorter than the others whereby the links will extend downwardly as well as outwardly when the blind is collapsed.

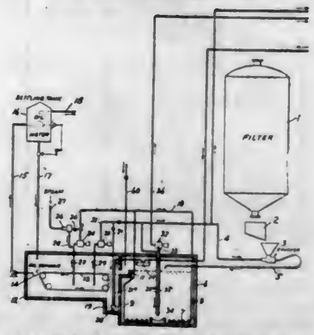
2,200,144
WASHING MACHINE
Louis Zimarik, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application April 25, 1938, Serial No. 204,026
4 Claims. (Cl. 68—207)

1. In a washing machine of the type having an outer casing, and a container mounted to rotate about a horizontal axis in the casing and having an axial loading door opening in one end thereof and the casing having a door opening alined with that of the container; the combination of a door for the opening in the casing, the door having an opening and closing movement and including an outer frame, and a panel supported by the frame, the frame being formed



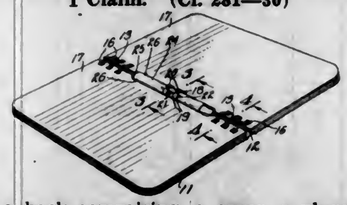
with a passage arranged to discharge into the container, and conduit means for supplying liquid to said passage.

2,200,145
METHOD OF RECOVERING SPENT FILTER CLAY
Paul D. Barton, Chester County, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Original application March 29, 1938, Serial No. 198,794. Divided and this application July 7, 1938, Serial No. 217,889
3 Claims. (Cl. 252—2)



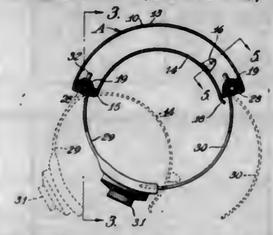
3. The process for the reclamation of used filter clay comprising mixing the clay with water having a pH value greater than 7, introducing said mixture of clay and water into a zone of leaching and agitation, therein passing water through said clay to agitate it and leach oil therefrom; flowing water containing leached out oil and suspended clay fines from said zone of leaching and agitation into a settling zone, therein permitting said clay fines to settle out and said oil to separate from said water; skimming oil from the surface of said water in said settling zone and introducing the skimmed off oil into a separating zone, therein separating said oil from any water remaining therein; removing said settled clay fines from said settling zone and returning them to said zone of leaching and agitation, removing clay from said zone of leaching and agitation, mechanically separating the major portion of water from said clay, drying the thus dewatered clay by passing a heated gas thereover to thereby vaporize the remaining water and distill off a portion of the remaining oil, burning the thus dried clay in an oxidizing atmosphere and utilizing the products of combustion from said burning step as the hot gas specified in said drying step.

2,200,146
NOTEBOOK
Clara Block, New York, N. Y.
Application September 6, 1939, Serial No. 293,541
1 Claim. (Cl. 281—30)



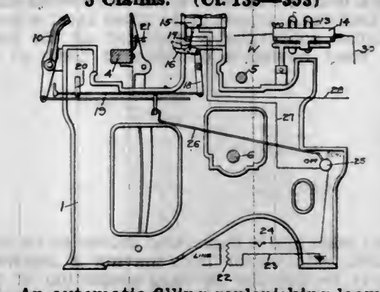
In a book comprising, a cover, a plurality of rings spatially carried by said cover, sheets of paper swingably sustained by said rings and including registering and reentrant gaps along the inner margins thereof for receiving a writing implement, a one piece substantially cylindrical resilient wire form loosely carried by and disposed substantially medially of said cover and having a plurality of spaced rings and bridge means interconnecting said rings to provide spaced relatively narrow loops and a relatively wider loop movably straddled by said narrow loops, said loops movably projecting into said gaps and widthwise thereof, and said writing implement adapted to be slidably inserted into said form to diverge said loops whereby the latter frictionally but disengageably retain said implement within said gaps and against transverse displacement relative to said sheets, said gaps having front and rear ends and said sheets having means at said ends and cooperating with said implement to prevent longitudinal displacement of the latter relative to said sheets.

2,200,147
PURSE
Holfort Esdorn Bouges, New York, N. Y.
Application February 7, 1939, Serial No. 255,151
1 Claim. (Cl. 224—28)



A purse for fitting an arm of a person, comprising a body forming a container open at the side next to the arm and having inset portions forming recesses within the ends of said body, an arm-embracing element having separable sections, a closure for the open side of said body and confronting the arm-embracing element at the open side of the body, a sealing element for separably securing the sections of the arm-embracing element together, and manually operated pin latches at the outer ends of the arm-embracing element, engageable in the walls of the recesses and accessible only from within said body when in latching position through the open side of the latter.

2,200,148
WARP STOP MECHANISM
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application July 14, 1939, Serial No. 284,536
5 Claims. (Cl. 139—353)



1. An automatic filling replenishing loom having in combination a reciprocating lay, a shuttle, filling replenishing mechanism at one side of the loom, an electric warp stop motion comprising electrode bars and detector members for electrically connecting said bars when a warp thread breaks, an electric circuit supplying electric energy to said detector bars, stopping devices operative to stop the loom when said circuit is closed and said bars are electrically connected by a detector member, a regularly moving part having one complete cycle of movement for each two complete reciprocations of said lay, and means operated by said part for closing said circuit during the proper portion of each alternate movement of the lay to cause said stop motion to stop the loom with the shuttle boxed at the non-replenishing side of the loom, and for keeping said circuit open at all other times.

2,200,149
SEAL
Leslie A. Buell, Holly, Mich.
Application December 19, 1939, Serial No. 310,062
4 Claims. (Cl. 292—319)

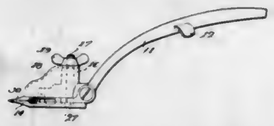


1. A self-locking seal comprising a strap having a head at one end thereof including spaced substantially parallel portions forming a longitudinal slot therebetween, arcuately shaped leaf springs secured to said head and projecting therefrom with their ends in crossed relationship forwardly of said head, a casing secured to said head and enclosing said springs, and the opposite end of said strap being provided with a slot and being insertable through said first mentioned slot to retract the springs so that the normally crossed ends thereof will be disposed on opposite sides of the last mentioned slot and projected in opposite directions therethrough for retaining the free end of the strap in position in the casing.

2,200,150
CLIPPER BLADE
Warren Burch, West Palm Beach, Fla.
Application June 28, 1939, Serial No. 281,733
1 Claim. (Cl. 30—223)

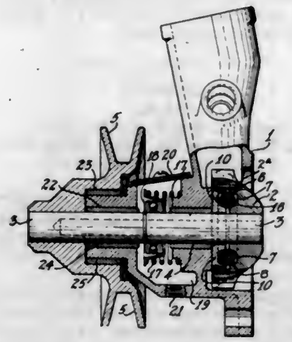
The combination with a hair clipper frame of the type including cooperative handle portions,

one of said handle portions comprising a fixed member and the other of the handles being pivotally mounted thereto and having a forward projection to engage and actuate a movable cutter body; of a stationary cutter body fastened to the fixed handle member, said cutter body having a plurality of teeth along its forward edge, and a transverse groove in its upper face; a movable cutter body slidably mounted on the fixed cutter body having a plurality of teeth at its



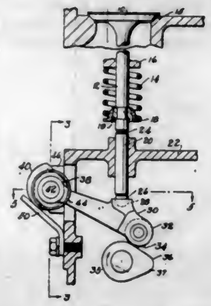
forward edge and a transverse groove in its bottom face, said cutter body having a rearward recess to receive the forward projection of the movable handle; and blades detachably carried by the said first and second-mentioned cutter bodies and having teeth adapted to register with the cutter teeth and to cooperate therewith in the cutting of the hair, and with the rear edges thereof lockingly received in the lateral grooves of the cutter bodies.

2,200,151
SEAL CONSTRUCTION
Otto M. Burkhardt, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio
Application November 1, 1937, Serial No. 172,312
2 Claims. (Cl. 286—7)



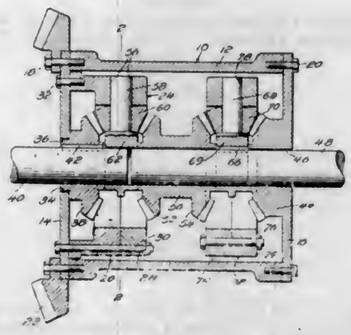
1. In a sealing construction, the combination of a housing member, a rotatable shaft member extending therethrough, a sealing means arranged between said housing and shaft members, said sealing means comprising an element having plane rotatable hard surface engagement with one of said members, at least one of the adjacent surfaces of the other of said members and said hard-surfaced element having a polygonal shaped groove therein, a flexible sealing element arranged between the other of said members and said hard-surfaced element and having means for rendering the same non-rotatable with respect thereto and having a curved surface in wedging engagement with the polygonal surfaces, said hard-surfaced element and flexible sealing element being free of engagement with said shaft member, and spring means in addition thereto for maintaining said elements in sealing engagement.

2,200,152
MECHANICAL CLEARANCE REGULATOR
Otto M. Burkhardt, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio
Application April 13, 1933, Serial No. 666,038
15 Claims. (Cl. 123—90)



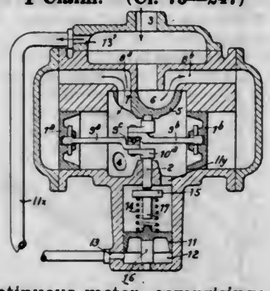
1. In an internal combustion engine, the combination with a valve and a cam shaft, of valve-operating linkage including a lever interposed between said valve and cam shaft and adapted to transmit motion therebetween, oscillatable cam means associated with one end of said lever, a spring normally forcing the cam in one direction, means permitting movement of the axis of said cam means, and a substantially stationary abutment contacting said cam means, so that said cam means affords a movable fulcrum for one end of said lever and acts to move said fulcrum to regulate clearances and absorb impacts between said valve and cam shaft.

2,200,153
DIFFERENTIAL
Earl Bush, Fern, Wis.
Application August 2, 1938, Serial No. 222,706
2 Claims. (Cl. 74—311)



1. In combination with a differential housing including means for driving the same, a pair of power shafts extending into the differential housing, a gear keyed to one of said power shafts, an operating connection between said gear and said differential housing, a gear fixed to the differential housing, pinions arranged in mesh with said second-named gear, an operating connection between said pinions and said first operating connection, and means keyed to the said other of the power shafts for rotatably supporting said pinions.

2,200,154
DEVICE FOR MEASURING LIQUIDS
Louis Jules Adrien Cadet, Le Vesinet, France, assignor to Société Anonyme dite: Société d'Etude de Distributeurs Automatiques S. E. D. A., Paris (Seine), France
Application July 22, 1937, Serial No. 155,098
In France October 8, 1936
1 Claim. (Cl. 73—247)



In a continuous meter, comprising: cylinders, pistons in these cylinders, a shaft driven by the combined action of said pistons, an inlet pipe line for the liquid, an outlet pipe line for the liquid, a distributor in the shape of a cup fast on said shaft, the convexity of this cup being turned towards the outgoing liquid and the incoming liquid tending to unseat the distributor, an auxiliary cylinder, an auxiliary piston in the auxiliary cylinder, connecting branches for connecting the two chambers of the auxiliary cylinder on opposite sides of the auxiliary piston with the incoming and outgoing liquid on opposite sides of the distributor, an abutment in said cylinder engaging said shaft, a calibrated spring taking a bearing on the auxiliary piston and pressing said abutment against the shaft of the meter to press the distributor toward its seat.

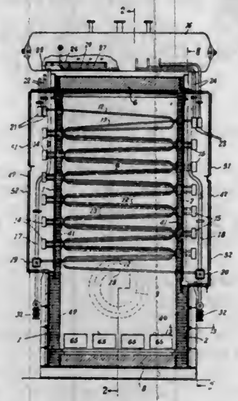
2,200,155
MANUFACTURE OF WALLBOARD HAVING A CEMENTITIOUS CORE
Thomas P. Camp, Glen Ellyn, and John Page, Evanston, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application November 21, 1936, Serial No. 112,054
9 Claims. (Cl. 154—2)



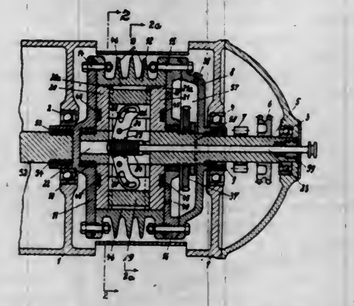
3. The process of manufacturing a wallboard having a set gypsum core which comprises spreading a slurry of calcined gypsum and water upon a forwardly-moving web of paper, vibrating the slurry while moving forward on and with the paper from beneath, applying a cover sheet of paper to said vibrated slurry, and allowing the gypsum to set.

2,200,156
HEAT EXCHANGER
Perry R. Cassidy, Short Hills, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application August 3, 1935, Serial No. 34,506
Renewed April 15, 1937
22 Claims. (Cl. 122—355)

4. A heat exchanger comprising a casing, heat transfer surface comprising horizontal rows of return bend tubes, said tubes extending in vertical planes transversely of said casing from opposite ends thereof, and each of said tubes having a return bend portion extending transversely of and across the adjacent leg portions of vertically adjacent tubes in superposed rows extending from the opposite end of the casing.

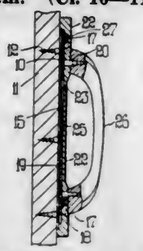


2,200,157
HYDRAULIC TRANSMISSION GEAR
Willy Christlein, Nuremberg, Germany
Application September 22, 1936, Serial No. 102,029
In Germany February 5, 1936
13 Claims. (Cl. 192—58)



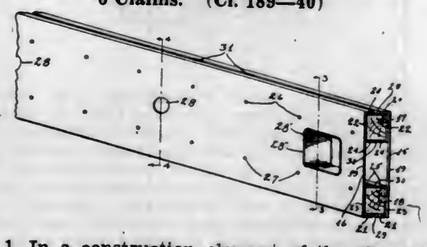
1. A hydraulic power transmission gear, comprising in combination, a driving shaft, a driven shaft, a gear casing fixed on one of said shafts, a rotor rigid with the other shaft and enclosed in said gear casing, co-operating power transmitting elements mounted in said gear casing and on said rotor respectively and comprising a plurality of piston vane members and abutment members, the number of abutment members being at least equal to the number of piston vane members, said piston vane members dividing the space between the rotor and the inner peripheral wall of the gear casing into a plurality of working spaces, one set of said co-operating power transmitting elements being adjustable so as to enable the adjacent working spaces to be brought into and out of communication with one another and the power to be transmitted alternatively with transfer of fluid from one working space to the other and relative rotary motion between the driving and driven shafts or without transfer of fluid and relative rotary motion.

2,200,158
CONCEALED FASTENING
Frederick Arthur Clarke, Pinner, Middlesex, England, assignor to Naamlooze Vennootschap Yzerhandel I. M. De Vries, Amsterdam, Netherlands
Application November 7, 1938, Serial No. 239,406
In Great Britain November 8, 1937
1 Claim. (Cl. 16—114)



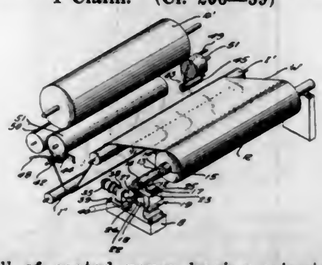
A concealed fastening for a pair of members in face to face engagement in which the flat engaging face of one member has connected thereto a thin plate cut at spaced intervals with the cut portions bent out of the plane of the plate to form a number of integral rigid projections and at least one intermediate resilient projection, whilst the other member on a flat face thereof has fixed thereto a thin plate having a corresponding number of slots, the flat face of one of the members being in a recess equal to the superficial area of the plate interconnected therewith and of a depth equal to the thickness of both plates, and the position of an end edge of an intermediate slot being such that it is engaged by the free end of a resilient projection only after the members have been brought together with the rigid projections of one member opposite the end slots of the other and the members have been relatively displaced in sliding engagement to bring the ends of said rigid projections within undercut recesses behind the edges of said end slots.

2,200,159
CONSTRUCTION ELEMENT
Augustine Davis, Jr., Cincinnati, Ohio
Application September 17, 1936, Serial No. 101,280
6 Claims. (Cl. 189—40)



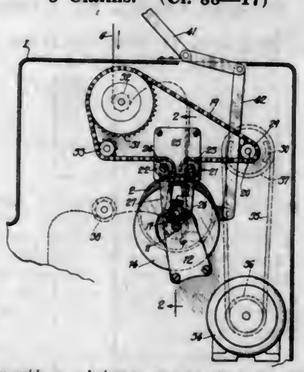
1. In a construction element of the class described, the combination of a first side member formed of a sheet or strip of steel to provide a body portion having an exterior plane surface, and flanges projecting inwardly therefrom at each edge of the body member and intermediately thereof, a second side member opposed to the first side member, and formed of a sheet or strip of steel and comprising a body portion having a plane exterior surface and a plurality of flanges, projecting inwardly therefrom, one at each edge of the body portion and intermediate the edges thereof, the corresponding inwardly projecting flange of each side member lying in the same plane, whereby, between the edge flanges and the adjacent intermediate flanges, a channel is provided, and a nailing strip in each channel.

2,200,160
PAPER ROLL
Charles Davis, Piedmont, W. Va., assignor to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
Application September 9, 1938, Serial No. 229,086
1 Claim. (Cl. 206—59)



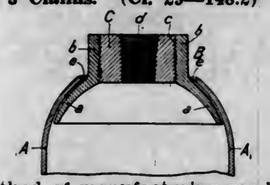
A roll of coated paper having minute longitudinally extending irregularities in thickness or ridges characteristic of paper made in a continuous web, said roll having smooth ends substantially perpendicular to the roll axis and being tightly wound to prevent sliding of layers one over the other and of a size suitable for use in printing presses, said minute longitudinally extending irregularities in thickness or ridges in said roll extending along a uniform sinusoidal path and the corresponding ridges in adjacent layers being in offset or staggered relation to each other whereby such irregularities are to a substantial degree not directly superimposed so that distortion and stretching of the paper are avoided.

2,200,161
PROJECTOR FRAMING DEVICE
Herman A. De Vry, Chicago, Ill.
Application October 14, 1937, Serial No. 168,889
8 Claims. (Cl. 88—17)



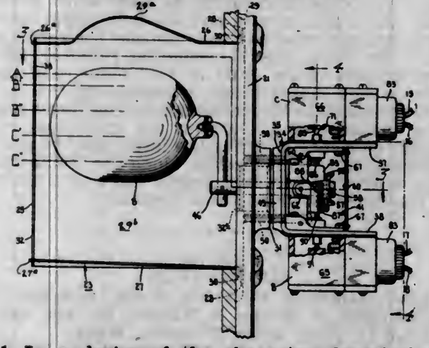
1. A motion picture apparatus comprising in combination, a framing plate and aperture, an intermittent sprocket, mechanism for intermittently rotating the said sprocket, means for rotating said mechanism around the axis of said sprocket, and means for driving the said mechanism while maintaining synchronism with other members comprising a chain, a sprocket cooperating between said chain and said mechanism, a pair of idler members forming a loop in said chain, and link members each pivoted at one end to one of said idler members and at the other end to said rotatable means to adjust the position of said chain upon said sprocket in accordance with the framing movements of said rotatable means and in two directions.

2,200,162
METHOD OF MANUFACTURING GAS BOTTLES
Vladimir Antoine de Vulitch, Paris, France
Application September 17, 1937, Serial No. 164,414
In France September 19, 1936
3 Claims. (Cl. 29—148.2)



1. A method of manufacturing gas bottles for relatively high pressures from a tube open at one of its ends which comprises, arranging a flange member having a neck portion with a wide mouth in the interior of the tube, curving the end of the tube embracing the flange inwardly, applying to the inner face of the end of the tube a curvature corresponding to the outer face of the flange member to provide a joint between the tube and the flange member which is tightened by pressure within the tube, depositing a bead of welding metal at the outer juncture of the end of the tube and the flange member, threading the mouth of neck portion and filling said mouth with an apertured tapped plug.

2,200,163
CONTROL DEVICE
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Original application September 12, 1936, Serial No. 100,476. Divided and this application March 10, 1937, Serial No. 129,981
3 Claims. (Cl. 137—104)



1. In a device of the character described, a plate member adapted to be secured to a wall and for covering an aperture through the wall, a sheet metal sleeve member having an open side wall portion and being of substantially U-shaped cross-section, said sleeve member being secured to said plate member so that said open side wall portion is adapted to be closed by said plate member and said sleeve member being adapted to extend through the wall aperture, a pair of end members secured to said plate member and cooperable with the end portions of said sleeve member to define a chamber, a pair of relatively small vertically aligned apertures in a wall of said sleeve member for admisssion of fluid to said chamber, and actuating means in said chamber.

2,200,164
ABRASIVE AND METHOD OF PRODUCING SAME
Walter W. Durant, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 9, 1940, Serial No. 313,105
8 Claims. (Cl. 51—298)

1. An abrasive grit wetted with a partially esterified polyhydric alcohol and bonded with a resin containing an aminotriazine-aldehyde condensation product.

2,200,165
MOTOR TRUCK LIME SPREADER
Elmer M. Fulkerson and Jesse C. Fulkerson, Sonora, Ky.
Application December 1, 1938, Serial No. 243,469
2 Claims. (Cl. 275—8)

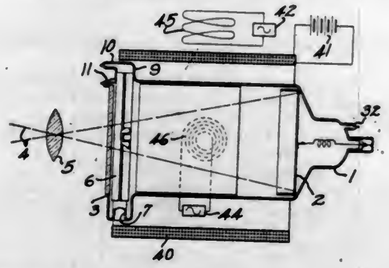


1. A device of the class described comprising a hopper having attaching beams, a conveyor in said hopper, means to drive the conveyor, said beams having portions extending rearwardly beyond the hopper, a plate secured to said portions having an opening through which the conveyor discharges material, a pan secured to said portions to receive said material, an abutment partition secured to said portions at the rear of said opening constituting a bearing for the conveyor, spreader means on said pan, means to drive the spreader means operatively connected to the conveyor at the rear of said partition comprising parallel shafts, means gearing the shafts together, means to drive the spreader means from one of the shafts, and means at the sides of the pan extending above and below it and serving as bearings for both of said parallel shafts.

2,200,166
IMAGE ANALYZING AND DISSECTING TUBE
Bernard C. Gardner, Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application August 17, 1937, Serial No. 159,492
3 Claims. (Cl. 250—150)

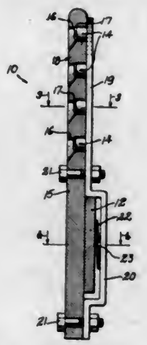
3. In an image dissector tube of the type having an envelope including a transparent window through which an optical image may be projected onto a photoelectric cathode positioned within said envelope, said photoelectric cathode emitting electrons over each incremental area thereof in proportion to the intensity of light falling on each said incremental area and said

dissector tube having means for attracting emitted electrons toward said window, the combination of a hollow conductive tube extending across the projection path of said optical image and positioned within said dissector tube at a point between said window and said cathode, said conductive tube having an aperture in a side wall thereof facing said cathode, and a plurality of ele-



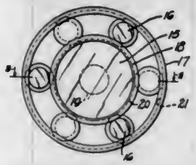
ments having surfaces capable of emitting secondary electrons upon electron impact therewith, said elements being positioned within said conductive tube at different levels therein and so located as to be successively impacted by a secondary electron stream initiated by a first of said elements upon impact of such primary electrons as are emitted by said cathode and pass through said aperture.

2,200,167
INDICATOR FOR NIGHT DRIVING OF AUTOMOBILES
Morris L. Goldberg, Kiamesha, N. Y.
Application April 1, 1939, Serial No. 265,440
1 Claim. (Cl. 88—81)



A device including an elongated member adapted to be mounted on an automobile bumper so as to extend cross-wise of the bumper with a portion of said member projecting above the bumper, said portion of the member having a plurality of longitudinally alined openings therethrough, each having a rearward facing seat adapted to receive a reflector element removably inserted into said opening at the rear end thereof and resting on said seat so as to be visible through the front end of the opening, said reflector element being thus located remotely from the bumper, a relatively resilient metal bar extending along the rear face of said member, and means movably interconnecting said member and said bar above and below the bumper to clamp the member to the bumper, said member and said bar co-operating with each other to provide an offset clamp section for receiving the bumper so that the member and the bar otherwise lie substantially in face to face contact with each other longitudinally thereof, said bar extending along said portion of the member to provide a backing for the reflector elements to retain the latter in said openings, said portion of the member and said bar being otherwise free of each other so that an excessive tightening of said means will not cause breakage of the elements.

2,200,168
REFLECTOR DEVICE FOR INDICATING THE POSITION OF A CAR
Morris L. Goldberg, Kiamesha, N. Y.
Application May 16, 1939, Serial No. 273,858
1 Claim. (Cl. 88—81)

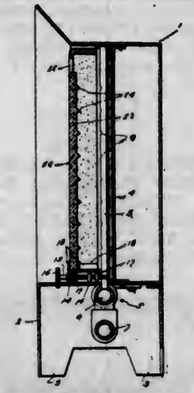


A night driving indicator for automobiles including a rear view mirror, a frame means therefor extending around the periphery of the mirror, an elastic ring means, reflector means including a plurality of separate reflector elements, the different means and the mirror lying in a common plane, certain of the reflector elements facing in one direction relatively to the plane and others of the reflector elements facing in an opposite direction, the reflector elements forming an annular series lying between the inner edge of the ring means and the outer edge of the frame means with the ring means being contracted around the reflector elements to press the latter inward against the frame means, formations extending around the outside of the frame means and around the inside of the elastic ring means in engagement with formations extending from the periphery of the reflector elements, these formations being in the shape of grooves and ridges engaged in the grooves to removably engage the reflector elements at their inner edges with the frame means and at their outer edges with the ring means to thus prevent the reflector elements from lateral accidental removal, said grooves and ridges lying in said plane, and the grooves and ridges being so formed on the several means as to be continuous on the frame and ring means and in part on the individual reflector elements, whereby the latter may be positioned at any desired points along the frame and ring means and in any desired angular position of the individual reflector elements.

2,200,169
GAS HEATER
Walter Hammick, Pittsburg, Kans., assignor of one-third to Joseph F. Klaner, Jr., and one-third to Alden Besse, Pittsburg, Kans.
Application January 28, 1939, Serial No. 253,435
3 Claims. (Cl. 126—92)

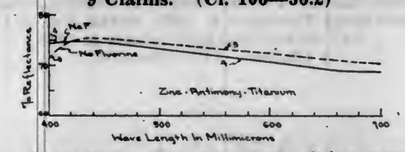
2. A burner of the class described comprising a casing, a gas burner mounted in the casing and including a series of vertical perforated pipes, a support shiftably mounted in the casing and movable toward and away from said perforated pipes, a plurality of radiants mounted on said support

in opposed relation to the perforated pipes, and manually operable means for shifting the support



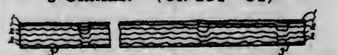
for adjusting the radiants toward or away from the perforated pipes.

2,200,170
OPACIFIER FOR VITREOUS ENAMELS
William J. Harshaw, Shaker Heights, and William D. Stillwell, South Euclid, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
Original application September 15, 1938, Serial No. 230,104. Divided and this application November 1, 1939, Serial No. 302,416
9 Claims. (Cl. 106—36.2)



1. In making a vitreous enamel, firing together an oxide of antimony, available fluorine material, an oxide from the group consisting of titanium and zirconium, an oxide of a base forming metal and an oxidizing agent, mixing the product in a mill charge with enamel frit and grinding.

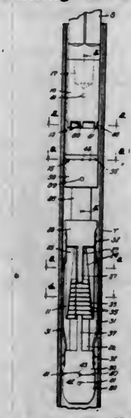
2,200,171
PACKING MATERIAL
William A. Hermanson, Boston, Mass.
Application November 19, 1937, Serial No. 175,489
3 Claims. (Cl. 154—54)



1. A wood pulp cellulose padding composed of a multiple number of adjacently arranged coarsely creped layers and a multiple number of adjacently arranged finely creped layers, said coarsely creped layers exceeding in number said finely creped layers and said coarsely creped layers having a higher percentage of ground wood pulp and said finely creped layers consisting essentially of long fibered pulp and constituting the surface layers adapted to come in contact with the surface to be protected, all of said layers being joined in face to face relationship with each other by embossing the same in spots.

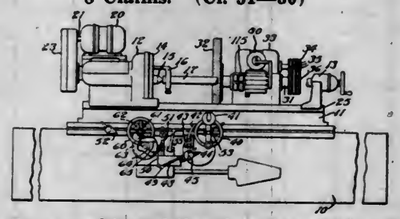
2,200,172
TUBING CUTTER
Clifford Howard, Oklahoma City, Okla.
Application July 10, 1937, Serial No. 152,972
15 Claims. (Cl. 164—0.7)

1. A tool for use on a well string to cut a tubular object in a well comprising a body adapted to be secured to the string and entered in the object, a member turnably supported on the body, means connecting the member with the body to turn therewith and yieldable to allow relative turning between the body and member, a knife projectable into contact with the object upon relative turning between the body and



member, and means controllable by longitudinal manipulation of the string for resisting turning of the member with the body whereby rotation of the body projects the knife, the last mentioned means including slip means for gripping the object to be stationary therewith, and friction clutch means engaging between the member and the slip means.

2,200,173
LAPPING MACHINE
Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 30, 1937, Serial No. 171,931
8 Claims. (Cl. 51—50)

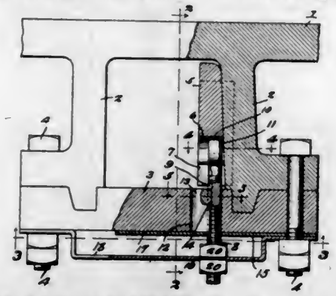


6. In a machine of the class described, a pair of grinding wheels, means mounting said grinding wheels on parallel axes, means to reciprocate the grinding wheels axially and oppositely, and means restraining rotation of the grinding wheels, whereby to achieve a fine lapping action on a work piece.

2,200,174
WEDGE BOLT
Richard Valentine Johnson, Clifton Forge, Va.
Application September 2, 1938, Serial No. 228,245
2 Claims. (Cl. 105—81)

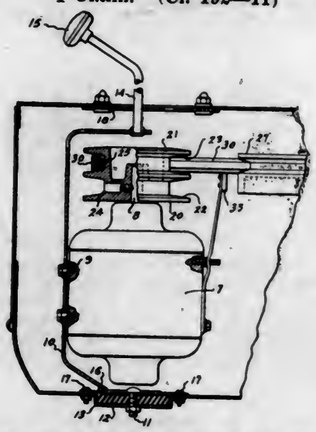
1. The combination with a structure for holding a driving box, said structure including a slotted brace, of a wedge in said structure overlying the slot in the brace, said wedge having a slot extending thereinto from its lower end, the upper end of the slot opening into a substantially

circular opening extending through the wedge and of greater diameter than the width of the slots in the wedge and brace, a wedge bolt having a longitudinal keyway and a flat substantially circular head, said bolt and head being insertible upwardly through the slots in the brace and wedge and rotatable through approximately ninety degrees to position the head transversely of and within the opening in the wedge, a key



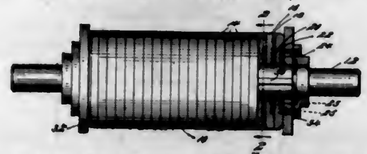
slidable along the keyway of the inserted bolt and within the brace slot for holding the bolt against rotation, means for removably supporting the key in said slot independently of the bolt, and means for adjusting the bolt longitudinally to correspondingly adjust the wedge, said means including a yoke detachably connected to the brace and through which the bolt extends, and a nut engaging the bolt and yoke for transmitting thrust therebetween.

2,200,175
OPERATING MECHANISM FOR WASHING MACHINE ASSEMBLIES
Thankmar Walter Kaestner, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application June 3, 1937, Serial No. 146,257
1 Claim. (Cl. 192—11)



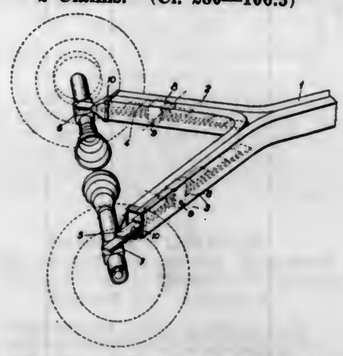
A new mechanical movement for obviating a clutch mechanism between a rotating driving member and more than one rotatable driven member comprising V-grooved pulleys on the driven members, V-belts for engaging the V-grooved pulleys in a normal manner, and U-grooved pulleys on the rotating driving member of abnormal size whereby the inner surface of the belts only frictionally engage the hubs at the bases of the last noted U-grooved pulleys, and means for axially shifting said last noted U-grooved pulleys for selectively tensioning the V-belts to drive the normally engaged V-grooved driven pulleys and braking means for at least one of the driven pulleys operatively connected with said means for axially shifting said last noted U-grooved pulleys.

2,200,176
SQUEEZE ROLL ASSEMBLY
George R. Keltie, Woonsocket, R. I., assignor to American Wringer Company, Woonsocket, R. I., a corporation of Rhode Island
Application April 5, 1939, Serial No. 266,086
5 Claims. (Cl. 68—277)



5. An annular resilient section for a squeeze roll assembly having a central axial cavity within a side wall thereof, having a plurality of spaced radial truncated triangular ribs projecting axially within said cavity.

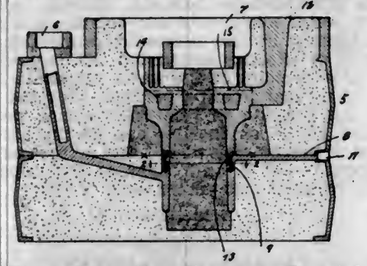
2,200,177
MOUNTING OF AXLE SPRINGS IN AUTOMOBILES
Miloš Klavík, Prague-Smichov, Czechoslovakia
Application February 4, 1939, Serial No. 254,702
In Czechoslovakia February 5, 1938
2 Claims. (Cl. 280—106.5)



1. In an automobile with a bifurcated central chassis member supporting the half-axles, leaf springs arranged inside the arms of the bifurcated chassis member, means on the half-axles for supporting the adjacent ends of the leaf springs and anchorages for said springs in said arms.

2,200,178
PRODUCTION OF COMPOSITE CASTINGS
Luther A. Kleber, High Bridge, N. J., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J., a corporation of New Jersey
Application March 8, 1938, Serial No. 194,654
15 Claims. (Cl. 22—201)

1. Method of making castings having defined areas differing in analytical, physical and structural attributes, which consists in pouring into a mold cavity a metal of predetermined analysis, and before it solidifies pouring in endwise relation a metal of different analysis, and preventing substantial interpenetration of the two metals



by chilling one or the other poured metal at a point immediately adjacent the zone of fusion.

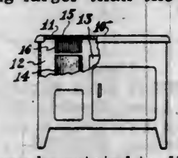
2,200,179
FORK
Guss O. Kruger, Madison, S. Dak.
Application January 12, 1939, Serial No. 250,645
1 Claim. (Cl. 294—49)



A pitchfork comprising a head including a flat base portion provided with a plurality of pairs of apertures, the pairs of apertures being spaced relatively to each other, said base having an integral shank for connecting with a handle, U-bolts having threaded ends extending through the apertures of said pairs from the underside of the base and provided with nuts disposed on the upper side of the base; a plurality of wooden tines having shank portions disposed on the underside of the base, each of said shank portions being engaged and clamped to the base by two of the U-bolts, said U-bolts being arranged, relatively to the base, for disposing said tines in outwardly diverging relationship relatively to each other, and each of said tines tapering gradually from its shank portion to adjacent its free end and sharply therefrom to its terminal to provide a pointed end.

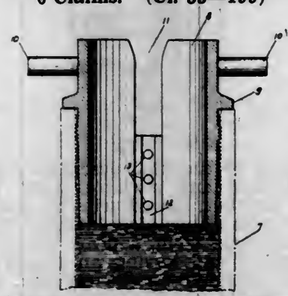
2,200,180
STOVE LID
William E. Kullberg, Avon, Conn.
Application March 15, 1938, Serial No. 196,022
2 Claims. (Cl. 126—220)

1. In a stove having a fire box and an oven at one side of the fire box with a stove top having an opening over the fire box, a stove lid assembly comprising a top plate adapted to seat in the opening, a plurality of elongated rods fixed to the bottom of the plate and extending well into the fire box, a chimney rotatably supported in said opening and surrounding said rods along substantially their entire length, said chimney having draft holes near its top, at least one of the holes being larger than the others, whereby



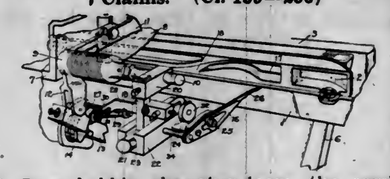
the chimney may be rotated to direct draft either toward or away from the oven.

2,200,181
GAUGE TOOL
John Lamond, Allison Park, Pa., assignor to Pittsburgh Pipe & Coupling Company, Allison Park, Pa., a corporation of Pennsylvania
Application July 11, 1939, Serial No. 283,793
6 Claims. (Cl. 33—199)



1. A gauge tool for use with pipe thread gauges and the like, comprising a tubular member which is threaded for a portion of its length, for connection with a threaded tubular article and provided with axially-spaced holes in its side wall through which contact points of thread gauges may be brought into engagement with the thread on said article, the said member being provided with a stop shoulder for engaging the adjacent end of said article.

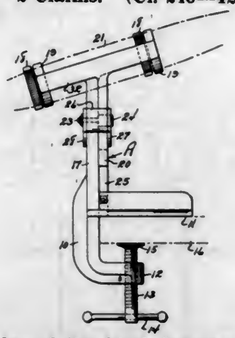
2,200,182
THREAD CUTTING MECHANISM
Henry Jones Lanier, La Grange, Ga., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application August 2, 1939, Serial No. 288,006
7 Claims. (Cl. 139—256)



1. In a bobbin changing loom, the combination of the lay having a shuttle box at the replenishing end thereof, a shuttle, a fixed stud, a transferrer pivoted on said stud, a latch pivoted on said transferrer, a member for operating said latch, a fixed support depending from said stud in front of said shuttle box intermediate the ends of the latter, a guide rod fixed to said support and extending forwardly and rearwardly of the loom, a carriage having a guideway slidably embracing said guide rod, thread parting and clamping blades mounted on said carriage at the outer side thereof in position to part and clamp the outgoing filling end adjacent the eye end of said shuttle and means directly connecting said member to an arm on the inner side

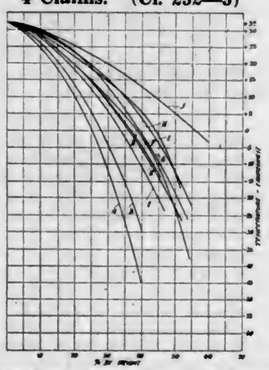
of said carriage for sliding said carriage and blades rearwardly and forwardly to and from parting position.

2,200,183
FISHING ROD HOLDER
Walter T. Legg, Electric Mills, Miss.
Application April 19, 1939, Serial No. 268,836
2 Claims. (Cl. 248—42)



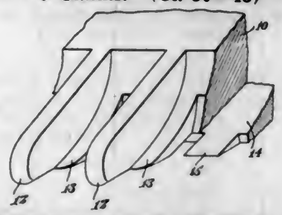
2. A holder of the kind described comprising correlated fixed and movable stems pivotally connected together, spaced grips on each of said stems, the grips of one stem laterally facing the grips of the other stem, a pivot connecting the stems together and having an elongated flat-faced head anchored in the movable stem, an operating handle provided with cheeks forming pivot ears displaceably connected with the said pivot, one of the pivot ears being provided with a straight slot and the other pivot ear having a key-hole shaped slot receiving the elongated flat-faced head for alternately locking and releasing the said handle therewith, means active upon the movable stem for exerting tension thereon and normally holding the grips on both stems in close clamping relation to each other, and means for fixing the first-mentioned stem to a support.

2,200,184
ANTIFREEZE COMPOSITION
Willard L. Morgan, Edgewood, R. I., assignor to American Maize-Products Company, a corporation of Maine
Application October 20, 1938, Serial No. 235,959
4 Claims. (Cl. 252—5)



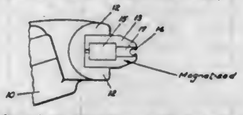
1. A method of depressing the freezing point of the water in cooling systems such as automobile radiators, comprising adding to such water about 25% to 65% by weight of a salt of an aliphatic organic amino base and a strong acid, said salt being substantially odorless, ashless, non-corrosive, water soluble and non-volatile, being non-crystallizing in the aforesaid proportions and capable of effecting unassisted the depressing of the freezing point of the water substantially below its normal freezing point so that the water and salt solution will have a freezing point of around 15° F. at the low end of the aforesaid range of percentages of salt and a freezing point of about —40° F. and below at the upper end of the range of said percentages of salt.

2,200,185
SHAVING IMPLEMENT
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application March 12, 1936, Serial No. 68,491
9 Claims. (Cl. 30—43)



1. A shaving implement comprising co-operating relatively movable plates both provided with shearing projections, each of the projections on one plate including a rounded guard fin and a thin-edged lifting blade located adjacent thereto.

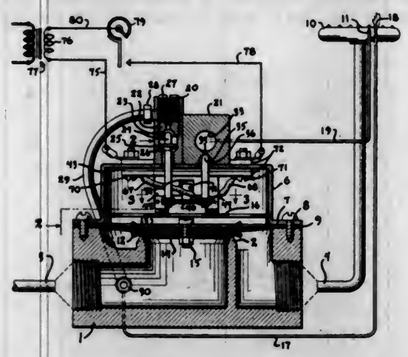
2,200,186
DRY SHAVING IMPLEMENT
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application December 9, 1938, Serial No. 244,825
2 Claims. (Cl. 30—43)



1. A dry shaving implement having a removable steel head which is magnetized and substantially U-shaped in cross section, and a reciprocatory steel cutter contained within the head forming therewith a removable self-contained unit and serving as a keeper between the sides of the magnetized head the cutter being removable from the head by endwise movement.

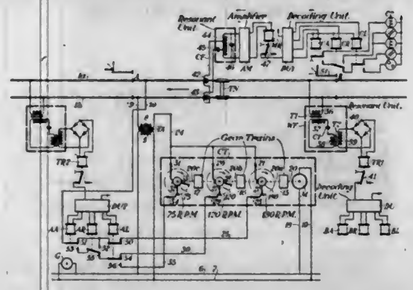
2,200,187
GAS VALVE
Alfred H. Nelson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 24, 1938, Serial No. 186,631
9 Claims. (Cl. 137—139)

7. In combination, two valves, means comprising a warpable element for actuating said valves, said means being pivoted and biased about its pivot so as to seat one of said valves, said valves being so arranged with respect to said element that rotation of said element about its pivot in one direction moves both valves in closing direction, said means operating upon warping of said element in a direction tending



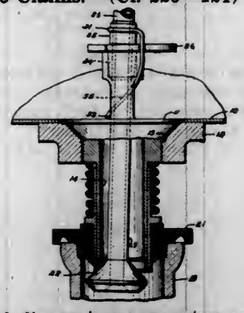
to open said one valve to move about its pivot in closing direction of the other valve.

2,200,188
RAILWAY SIGNALING APPARATUS
Frank H. Nicholson, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 18, 1939, Serial No. 295,398
12 Claims. (Cl. 246—63)



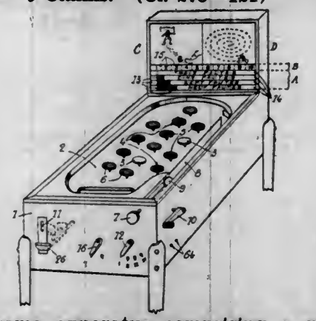
1. In railway signaling apparatus including a receiving circuit coupled with the track rails of a track section and tuned to resonance at a predetermined frequency and which circuit is connected with decoding means for controlling a signaling device when time spaced electromotive forces of said predetermined frequency are applied to said receiving circuit at a particular code rate and each such electromotive force persists for a predetermined interval, the combination comprising, a source of alternating current of said predetermined frequency, a code transmitter having an operation cycle equal to the cycle period of said particular code rate and provided with a circuit closing means which is closed each operation cycle for an interval substantially equal to one cycle of said alternating current, and circuit means including said circuit closing means to connect said current source with the rails of said section for supplying to the rails each said operation cycle substantially one cycle of said alternating current at a relatively high voltage to apply to said receiving circuit an electromotive force which so excites said receiving circuit as to create oscillations that persist for said predetermined interval.

2,200,189
APPARATUS FOR DISPENSING HEAVY LIQUIDS
Floyd W. Olin, Hapeville, Ga., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application April 6, 1939, Serial No. 266,322
6 Claims. (Cl. 226—124)



1. A liquid dispensing apparatus comprising a dispensing tube, a conical valve member having a vent stem extending upwardly from the apex thereof into said tube, means operable to yieldingly hold said tube and valve in engagement to prevent the discharge of liquid from said tube, said tube and valve being arranged to have relative axial movement to permit discharge of liquid from the tube over the conical surface of said valve, and means cooperable with said vent stem upon such relative movement between the tube and valve to cant said valve to maintain one side of said conical surface in engagement with the lower end of the tube.

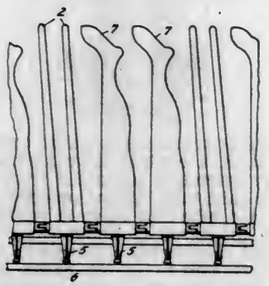
2,200,190
PLAYING APPARATUS
Paul Joseph Plouvier, Montreuil-sous-Bois, France
Application October 17, 1939, Serial No. 299,885
In France October 14, 1938
9 Claims. (Cl. 273—121)



1. A game apparatus comprising a metallic plate, a plurality of groups of electric contact members mounted on said plate and insulated with relation to said plate, the contact members of each group being electrically connected together, movable elements of conductive material adapted to be moved on said plate and to be brought into contact with any one of said electric contact members, whereby said contact member is electrically connected with said plate, a source of current, for each group of contact members a selective switch having one terminal connected with its corresponding group of contact members, the other terminals of said switches

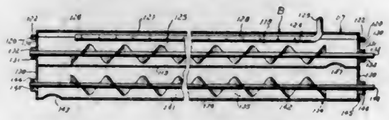
being connected together and said switches being adapted to be opened and closed selectively, electric connecting means between said source of current and said plate and between said source of current and said other terminals of said switches, and indicating means interposed in said connecting means and adapted to be operated by the current circulating in said connecting means.

2,200,191
METHOD OF DRYING STOCKINGS
Fritz Schuster, Chemnitz, Germany
Application November 24, 1937, Serial No. 176,329
In Germany November 27, 1936
2 Claims. (Cl. 34—24)



1. A method of drying stockings, which consists in inserting into the stockings loosely fitting upright supports having a width smaller than the normal width of the stockings, and passing the stockings on the said supports through a drying chamber, and subjecting the same to a current of air to effect a fluttering action of the stocking on the support.

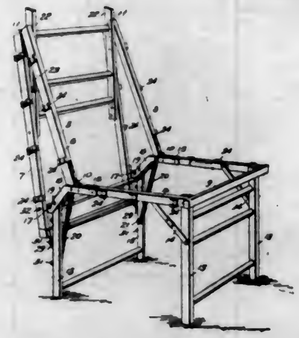
2,200,192
STEAMER
George I. Sipe, Lancaster, Pa.
Application January 26, 1938, Serial No. 187,072
6 Claims. (Cl. 53—18)



1. In an apparatus for the purpose set forth, a material steamer formed with upper and lower closed communicating chambers substantially of U-form, a material intake for said upper chamber, a material outlet for said lower chamber, means for conveying material in opposite directions through said chambers, and means for supplying steam to and lengthwise of the upper chamber above the conveying means in said upper chamber.

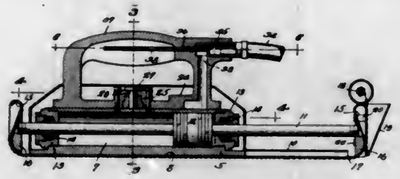
2,200,193
COMBINATION COT, CHAIR, AND CARD TABLE
Albert J. Taylor, Brownsville, Tex.
Application March 21, 1938, Serial No. 197,241
3 Claims. (Cl. 155—45)

1. A folding chair and cot embodying a frame including an intermediate section and end sections pivotally connected to the intermediate section, leg members pivotally connected to the sections, the intermediate section and one of the end sections adapted to swing upwardly providing a chair back, pins extending from certain of



the leg members, plates having notches secured to one section and adapted to fit over the pins, securing the back in an upright position, and a strip of fabric material providing a supporting surface for the frame.

2,200,194
AUTOPOLISHER
James Dorsey Thompson, West Medford, Mass.
Application October 13, 1939, Serial No. 299,373
5 Claims. (Cl. 51—170)

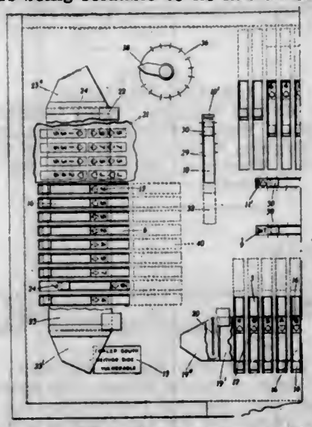


1. A device of the class described, comprising a body portion, a horizontal cylinder formed in the body portion, and having a wide supporting surface, a shoe slidably mounted on said supporting surface, a piston rod operating through the cylinder, a piston mounted intermediate the ends of said rod and disposed within the cylinder, clamping means at the end of the rod for clamping a surface treating cloth thereto, and means for directing air to the cylinder alternately at opposite sides of the piston for reciprocating the piston and shoe.

2,200,195
DEVICE FOR INSTRUCTING IN PLAYING CARD GAMES
Harold Thorne, London, England, assignor to Jack Goodson, London, England
Application October 4, 1938, Serial No. 233,264
In Great Britain July 5, 1938
5 Claims. (Cl. 35—8)

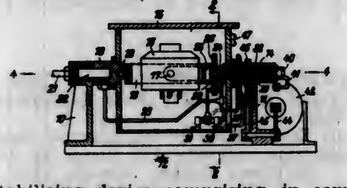
1. In apparatus for playing a game of bridge comprising a board having apertures through which indicia on a sheet beneath the board may be viewed, means for shielding the exposed indicia of a hand from the view of a person other than the player of that hand comprising a back member hinged to the board and side members

hinged to the back member, said back and side members being foldable to lie flat on said board



and being movable to form a canopy shielding the said exposed indicia.

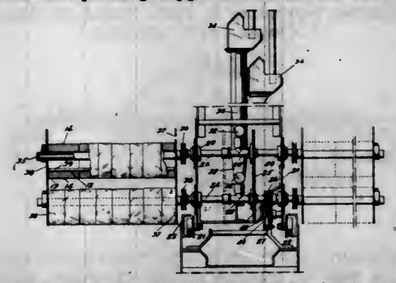
2,200,196
STABILIZING DEVICE
Gert Zoege von Manteuffel, Berlin-Dahlem, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application November 24, 1937, Serial No. 176,396
In Germany November 25, 1936
5 Claims. (Cl. 74—5)



1. Stabilizing device comprising, in combination, a free gyroscope mounted with neutral equilibrium in gimbal suspension for movement about two normally horizontal axes, means for keeping the rotor spin axis in the true vertical, a housing enclosing the gyroscope and its suspension, a pair of journals at said housing in line with the major gimbal axis, a jet-pipe mounted for movement in accordance with the movements of the gyroscope about said major gimbal axis, means for supplying pressure-fluid to said jet pipe, reception orifices opposite thereto attached to said housing, and a fluid operated servo-motor connected to said orifices for turning said housing about said journals to follow the relative movements of the gyroscope, thereby keeping the housing stabilized and adapted to take up reactive loads without disturbance of the gyroscope.

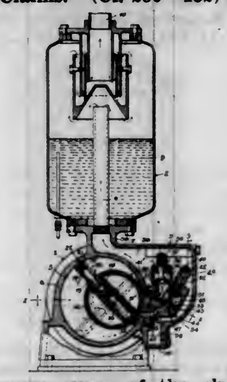
2,200,197
METHOD AND APPARATUS FOR LIQUID TREATMENT OF RAYON
George M. Allen, Swarthmore, Henry J. McDermott, Prospect Park, and John Watson Pedlow, Chester, Pa., assignors to American Viscose Corporation, Marcus Hook, Pa., a corporation of Delaware
Application September 27, 1937, Serial No. 165,976
4 Claims. (Cl. 8—153)

1. In a machine for the liquid treatment of rayon in coil form, a hollow tube for supporting a row of rayon coils, said tube having a substantially flat top with longitudinally extending side edges, and side walls depending therefrom and converging therebelow, whereby said tube engages the interior of said row of coils only at said side edges at the beginning of the liquid treatment, thereby concentrating the entire weight of said coils on said side edges to effect a sealing relation to prevent escape of treating liquid between said coils and said edges, the part of each coil above said flat top being supported from said side edges



solely by the coil rigidity at the beginning of the treatment, said flat top having a longitudinally extending row of jet like perforations closely adjacent each side edge and being substantially imperforate therebetween, said machine having means for supplying liquid under pressure to said hollow tube, whereby jets of treating liquid issuing from said perforations impinge upon the interior of said coils thereabove closely adjacent the points of sole support thereof, thereby effecting deep penetration of said coils without lifting said coils from said side edges, thereby preserving said sealing relation.

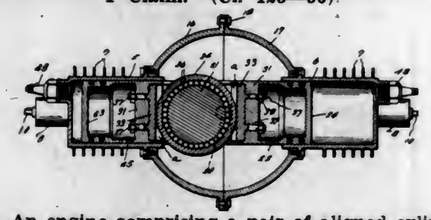
2,200,198
VACUUM PUMP
Edward J. Beach, Brooklyn, N. Y., assignor to Beach-Russ Company, New York, N. Y., a corporation of New York
Application September 14, 1938, Serial No. 229,828
2 Claims. (Cl. 230—152)



1. In a vacuum pump of the character described, a casing, a piston formed with a rotor having a passageway extending therethrough positioned in said casing, a blade slidingly mounted in said passageway, a packing strip arranged at each end of the blade, said blade being divided centrally longitudinally thereof, means for holding the respective parts of the blade in alignment, a removable shim positioned between said

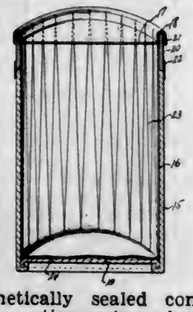
parts held in place by said means and functioning to hold the parts of said blades so that said packing strips will continually engage said casing, each of said parts having an inlet, a chamber and a plurality of outlets, the outlets at one end portion of the blade facing in the opposite direction to the outlets at the other end portion.

2,200,199
INTERNAL COMBUSTION ENGINE
Blaine W. Bradfute, Jr., Bloomington, Ind.
Application November 8, 1938, Serial No. 239,576
1 Claim. (Cl. 123—56)



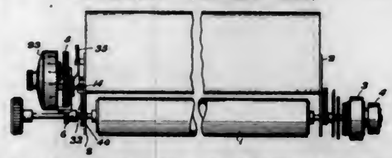
An engine comprising a pair of aligned cylinders, a pair of pistons in the cylinders, means for connecting together the inner ends of the pistons, a shaft passing between the inner ends of the pistons, an eccentric on the shaft, an eccentric strap surrounding the eccentric, a transverse member extending across each piston adjacent its inner end and having a channel in that part which is adjacent the eccentric strap, said channel extending transversely, a block of elongated form fitting in each channel and having a longitudinally extending groove in its outer edge, said groove being of substantially trough-shape in cross section to provide arcuate walls and the outer circumference of the strap being of arcuate shape in cross section to engage the arcuate walls of the groove and means for detachably connecting the block to the transverse member.

2,200,200
CONTAINER
John C. Donnelly, New York, N. Y.
Application March 25, 1935, Serial No. 12,808
Renewed January 9, 1940
18 Claims. (Cl. 229—14)



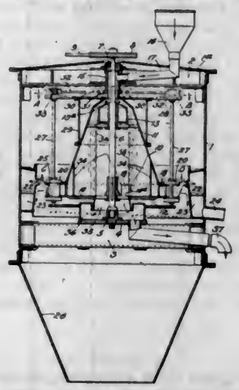
1. An hermetically sealed container which comprises a supporting casing, a bag therein made from impervious sheet material overlapped at the mouth of the bag, an impervious closure extended over the mouth of the bag and overlapping a portion of the bag at the rim thereof, and sealing means comprising a rigid clamping ring which holds the overlapped periphery of the bag and of the closure pressed together in gas- and liquid-tight relation and a cushioning ring of deformable material within said clamping ring and cushioning said bag and closure whereby the pressure is distributed to all minute parts of the periphery not withstanding irregularities of surface.

2,200,201
LISTING MACHINE
Howard Moffatt Fleming, West Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application March 4, 1939, Serial No. 259,868
4 Claims. (Cl. 197—189)



1. In a listing machine, a shiftable carriage provided with a rotary platen, line spacing and fractional line spacing means for the platen, signaling means for the last item of a column of matter to be typed upon a paper sheet passing around the platen including a signal gear, the platen shaft having a gear with which the signal gear is adapted to mesh, and means for accomplishing meshing of the gears following fractional line spacing rotation of the platen including conjointly manually operable devices for moving said signal gear bodily relative to the platen gear and for simultaneously fractionally rotating the signal gear and for gaging the fractional rotation, said manually operable devices including each a lever, the two levers having adjacent handle arms operable by simultaneous pressure.

2,200,202
CENTRIFUGAL MACHINE FOR THE SEPARATION OF SOLID AND LIQUID MATERIALS
Cecil Ernest Harvey, Hornchurch, England
Application July 17, 1937, Serial No. 154,302
In Great Britain July 25, 1936
4 Claims. (Cl. 233—20)



1. A centrifugal machine for separating solid and liquid materials from each other, comprising a vertically disposed downwardly flaring conical drum-rotor, discharge ducts for separated solid material extending tangentially outwardly from the periphery of the rotor at its maximum diameter, discharge valve means at the outer ends of the said ducts, driving means operative for driving the said valve-means during operation

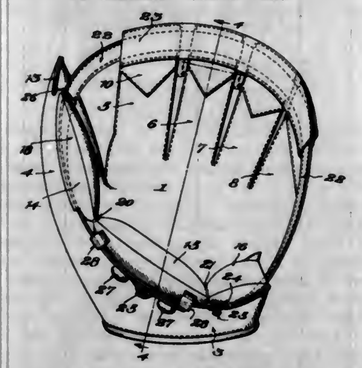
of the machine, means for feeding the materials to be separated into the upper end of the rotor, and a central opening in the bottom of the rotor for the discharge of separated liquid material.

2,200,203
LEGEND SHEET AND METHOD OF APPLICATION
William W. Heintz, Aurora Hills, Va.
Application December 16, 1938, Serial No. 246,196
9 Claims. (Cl. 35—40)



1. A method of applying to an article or the like, a specific legend from a flexible, transparent, legend sheet containing a number of different legends provided on one side with a normally non-sticky adhesive wax, comprising the steps of first placing the sheet on the article to properly position the selected legend, affixing that part of the sheet only containing the selected legend by pressing the said adhesive wax surface in contact with said article, cutting around said selected legend to free it from the remaining part of the sheet and thereafter removing the sheet.

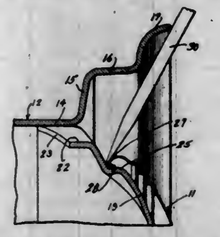
2,200,204
BASEBALL GLOVE
Raoul le Mat, Stockholm, Sweden
Application January 21, 1938, Serial No. 186,203
18 Claims. (Cl. 2—19)



1. A readily flexible baseball glove having a flexible tie member slidably extending transversely across the finger and thumb portions of the glove and also peripherally around the palm of the glove.

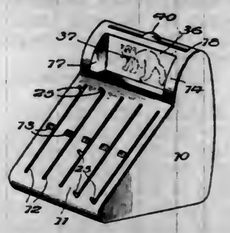
2,200,205
WHEEL STRUCTURE AND ASSEMBLY
George Albert Lyon, Allenhurst, N. J.
Application December 21, 1939, Serial No. 310,333
2 Claims. (Cl. 301—37)

1. In a wheel structure including a wheel having rim and body parts one of which parts has rigid protuberance means arranged in a predetermined circle, a circular cover member of such very thin metallic sheet as to require reinforcement to resist indentation and permanent deformation upon application and removal of the cover member to and from the wheel, said cover member having a rearwardly extending flange which is relatively short and inclined at an angle to the outer portion of the cover member and terminates in a continuous circular edge portion, said edge portion comprising a small tightly rolled continuous circular edge flexible into



retaining cooperation with said protuberance means, said flange providing a surface of substantial area for engagement by a pry-off tool to remove said cover member from said wheel, and said edge by reason of its being tightly rolled and small resisting permanent indentation when it is pressed into retaining engagement with said protuberance means as well as when said flange is engaged by a pry-off tool, said outer cover portion comprising an integral rib-like shoulder for reinforcing the cover member in the vicinity of the flange, so as to serve as a backing against which the flange flexes.

2,200,206
EDUCATIONAL DEVICE
Raymond M. Myers, Trenton, N. J.
Application July 22, 1939, Serial No. 286,028
5 Claims. (Cl. 35—9)

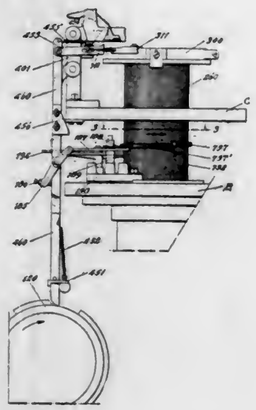


1. An educational device including a casing equipped with a plurality of indicia bearing movable belts, an object depicting member mounted in the casing, and signal means in electrical communication with said member and belts, said means operating when a predetermined combination of indicia, representative of a characteristic of the depicted object, appears in a predetermined position in the casing.

2,200,207
CIRCULAR KNITTING MACHINE
Albert E. Page, Brooklyn, and Harry Swinglehurst, Jr., Wantagh, N. Y., assignors to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application September 14, 1938, Serial No. 229,970
13 Claims. (Cl. 66—49)

13. In a circular knitting machine, a needle

cylinder, knitting instrumentalities slidable therein and having butts thereon, sinkers associated with said knitting instrumentalities and slidable transversely thereof, movable cam means for imparting an abnormal inward movement to certain only of said sinkers, said instrumentalities being arranged for division into vertically differentiated groups, detector means for cooperation with said butts for detecting the division of said instrumentalities into groups and movable in response to the presence or absence of butts to impart the aforesaid abnormal inward movement only to those sinkers corresponding to one of said groups of instrumentalities.

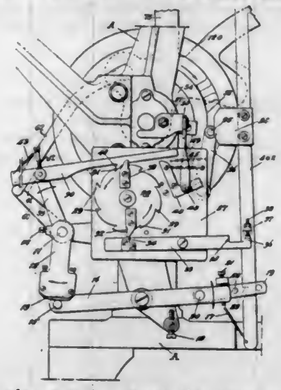


2,200,208
CORROSION-RESISTING FERROUS ALLOY
James A. Parsons, Jr., Dayton, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
No Drawing. Application December 28, 1935, Serial No. 56,586
5 Claims. (Cl. 75—125)

1. A corrosion-resistant alloy whose principal constituent is iron, said alloy containing not less than 15 per cent chromium, not less than 17 per cent nickel which is always in larger percentage than the chromium, carbon not exceeding 0.20 per cent, copper from about 0.10 to about 5.00 per cent, molybdenum from about 0.25 to about 4 per cent, and silicon from a trace to about 2.00 per cent, but always less than the percentage of molybdenum, the molybdenum and silicon together not substantially exceeding 5 per cent, and at least 95 per cent of the balance being iron, a standard test specimen of said alloy as cast being capable of withstanding a 90° cold bend without failure.

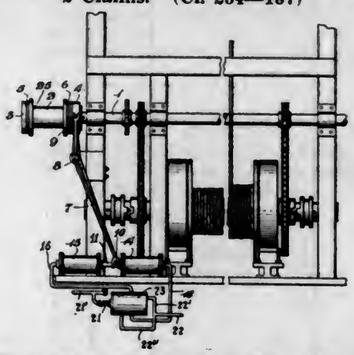
2,200,209
CIRCULAR KNITTING MACHINE
Harry N. Sheppard, Maplewood, N. J., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application April 21, 1939, Serial No. 269,252
9 Claims. (Cl. 66—54)

1. In a circular knitting machine, a needle cylinder, an oscillatory element adapted to give the cylinder reciprocatory movements and a knitting cam, in combination with means actuated by the



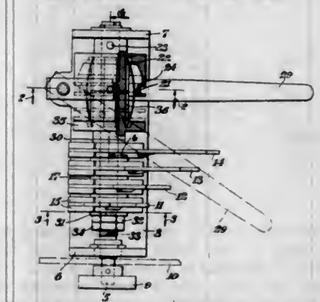
oscillatory element to cause the cam to draw a course of longer stitches intermittently.

2,200,210
SAFETY DEVICE FOR ROTARY DRILLING RIGS
Tom A. Taylor and Charles F. McComas, Olney, Ill.
Application September 28, 1938, Serial No. 232,218
2 Claims. (Cl. 254—187)



2. In a rotary drilling rig having a line shaft provided with a cat head pulley loosely mounted thereon, a normally inoperative clutch between said shaft and said pulley, and means for rendering said clutch operative and inoperative comprising a lever having engagement with a member of said clutch; the operating means for said lever being positive in both directions and including aligned cylinders, pistons working therein and having a rod connecting the same, said lever having engagement with said rod, and means for admitting fluid pressure to said cylinders including a valve casing provided at each end thereof with two valve chambers located at opposite sides of the casing, and with two central chambers having ports communicating with said valve chambers, four valves controlling said ports and located in said valve chambers, each couple of valves being aligned and having a stem connecting the same and provided with a retracting spring, the source of fluid pressure having a branch communicating with a valve chamber at one end and one side of said casing and a branch communicating with a valve chamber at the other end and other side of said casing, a pipe connecting a central chamber at one side of the casing with the outer end of one of said cylinders, a pipe connecting the central chamber at the other side of the casing with the outer end of the other of said cylinders, and a control lever having connection with the valve stems and adapted upon actuation to close the valve ports of the chambers at one end and open the valve ports of the chambers at the other end of said casing, said valves being retracted automatically upon release of said control lever.

2,200,211
CAM LOCK
Harold Z. Benton, Glencoe, Ill., assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application August 8, 1939, Serial No. 288,917
16 Claims. (Cl. 74—10)



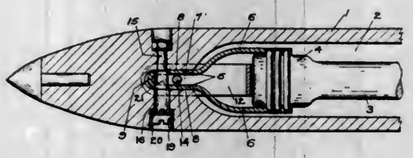
1. In combination with a shaft and individually adjustable lever elements and clamp washers mounted thereon and constituting a cam pack, abutments on said shaft at opposite ends of said cam pack and means for applying endwise locking pressure to said cam pack, comprising bowed leaf springs disposed longitudinally of the shaft and interposed at a position between said abutments and means for applying straightening pressure to said bowed springs to thereby elongate the same.

2,200,212
GASKET
Henry Bohmer, Jr., Riverton, and Stanley S. Lippincott, Palmyra, N. J., assignors to "Flexitallic" Gasket Company, Camden, N. J., a corporation of New Jersey
Application October 25, 1939, Serial No. 301,094
7 Claims. (Cl. 288—27)



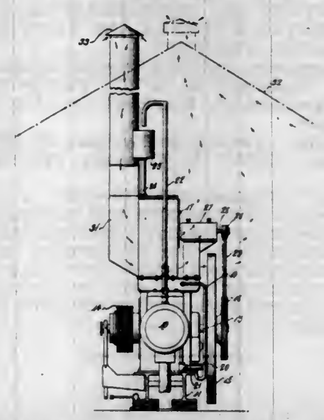
1. A gasket comprising a solid compression-limiting ring and an inter-engaged compressible packing ring; the packing ring consisting of spirally-wound longitudinally recessed strip metal defining a rib along one face with an opposing groove along the other, and alternating asbestos strip; said packing ring having one extremity of the metal strip permanently secured to the adjoining convolution, with the other end portion similarly secured remote from its extremity to provide a free springy prolongation; and the solid ring being interlockable with the packing ring by edge engagement with the latter and with the springy prolongation.

2,200,213
SHUTTLE
Horace H. Burdett, Milford, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application May 11, 1939, Serial No. 273,065
10 Claims. (Cl. 139—207)



1. A loom shuttle comprising a shuttle body having a bobbin receiving cavity and a recess communicating with said cavity, said recess having longitudinally extending side walls, a bobbin gripping spring having a shank portion seated in said recess, a horizontal fastening member passing transversely through said shuttle body on both sides of said recess and through said shank portion, and means carried by said fastening member and actuated thereby for clamping said shank portion against one of said side walls of said recess.

2,200,214
ENGINE COOLING SYSTEM
De Vere V. Carter, Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 7, 1939, Serial No. 249,812
3 Claims. (Cl. 237—12.1)



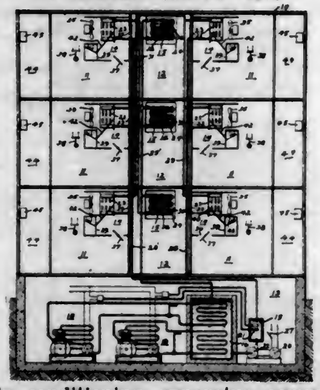
1. In a method of cooling a heavy duty fluid jacketed stationary engine operating within an enclosed engine room while concurrently modifying the temperature of the room, involving circulating a cooling medium through the fluid jacket and a heat exchanger, and passing air between the interior and exterior of the room through said heat exchanger in indirect heat exchange relationship with said cooling medium, the step of reversing the direction of flow of said air whereby to modify the temperature of the room in accordance with the direction of flow of said air.

2,200,215

REFRIGERATING APPARATUS

Carroll E. Lewis, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application February 10, 1938, Serial No. 189,832
6 Claims. (Cl. 62—134)



2. Air conditioning apparatus comprising a cold water sump, an evaporator in thermal exchange relationship with said sump, refrigerant liquefying means for supplying refrigerant to said evaporator, a plurality of cooling coils, means for circulating water from said cold water sump to said cooling coils, means whereby said water flows through one group of said coils in parallel, and means whereby at least a portion of the water returning from said one group flows through another coil prior to its return to said sump.

2,200,216

PRODUCTION OF HIGH-MOLECULAR UNSATURATED KETONES AND CONVERSION PRODUCTS THEREOF

Kurt Loewenberg and Karl Smeykal, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany

No Drawing. Application February 10, 1937, Serial No. 125,064. In Germany February 14, 1936
7 Claims. (Cl. 260—593)

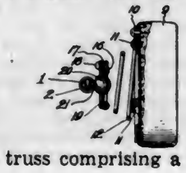
1. Process for the production of high molecular unsaturated ketones which comprises heating a ketone obtainable by the condensation of aldehydes containing from 4 to 8 carbon atoms with ketones containing from 3 to 5 carbon atoms in the presence of a basic reacting substance as condensing agent.

2,200,217

TRUSS

Ralph E. Merritt, Liberty, Mo., assignor to Physicians Appliance Company, Kansas City, Mo., a corporation of Missouri

Application February 6, 1939, Serial No. 254,869
1 Claim. (Cl. 128—122)



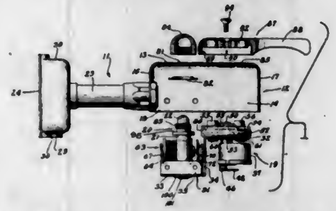
A hernia truss comprising a bowed spring for arching over the ilium of the wearer, a ball and socket joint carried by one end of said bowed spring, a helical spring secured at one end to said ball and socket joint for rocking movement relative to the bowed spring, and a truss pad attached to the free end of the helical spring, movements of the truss pad being transmitted to the ball and socket joint and to the bowed spring solely through the instrumentality of said helical spring.

2,200,218

ELECTRIC SWITCH

Benjamin Putterman, Brooklyn, N. Y., and Daniel E. Reed, Norwalk, Conn., assignors to Yankee Metal Products Corp., Norwalk, Conn., a corporation of New York

Application February 3, 1939, Serial No. 254,390
9 Claims. (Cl. 177—311)



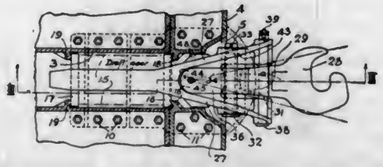
1. An electric switch unit comprising a main casing having a wall with an aperture therein; a base member having a slot therein with an open end; means for fixing said base member relative to said casing with the slot opposite said aperture; an electric switch in said casing, supported by said base member and having an axially rotatable contact moving member extending through said slot and toward said aperture; a separate control member exterior said casing and connected to said contact moving member; key and slot means associated with said control member and said rotatable member for locating said members relative to each other and for arresting relative rotation therebetween; and means for maintaining said key and slot means in operative relation.

2,200,219

RAILWAY VEHICLE DRAFT GEAR-COUPLER STRUCTURE

Charles L. Reid, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application May 5, 1939, Serial No. 271,820
4 Claims. (Cl. 213—4)



1. A railway vehicle draft gear-coupler structure comprising a coupler having a rearwardly extending transversely orificed one-piece integral shank; a shock-absorbing draft gear having a yieldingly restrained movable yoke-like member movable longitudinally from normal position in opposite directions for receiving and transmitting buffing and pulling forces, and automatically returnable to normal position, said member having a vertical transverse wall in engagement with the rear wall of said shank for receiving and transmitting buffing forces respectively from and to said coupler, said member further having an arm extending forwardly from said transverse wall opposite each side of said shank and spaced therefrom, each of said arms being provided with a transverse orifice circular in cross section, said shank and arm orifices being in alignment and longitudinally spaced forwardly from said transverse wall; and a horizontal pin circular in cross section carried entirely by said member, extending through said orifices, snugly fitting the arm orifices and directly engaging the rear part of the shank orifice face thereby adapting said member for receiving and transmitting pulling forces respectively from and to said coupler through said pin, said shank orifice face at its upper part being in direct engagement with said pin whereby said shank is supported by said pin, the forward part of said orifice face being separated from said pin providing an unobstructed space therebetween and said shank rear wall being convex transversely whereby said coupler may be laterally swung in a horizontal plane between said arms along said pin in sliding engagement therewith, said coupler being swingable vertically downward about the axis of said pin from normal position to an out-of-the-way position, the space between said arms above and below said shank being open to provide a rear upper open space and a forward lower open space and the rear wall of said shank being convex vertically, to permit said vertical swinging of said coupler.

2,200,220

N-SUBSTITUTED ASPARTIC ACIDS AND THEIR FUNCTIONAL DERIVATIVES AND PROCESS OF PRODUCING THEM

Walter Reppe and Hanns Ufer, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application June 3, 1937, Serial No. 146,202. In Germany June 6, 1936
8 Claims. (Cl. 260—534)

6. An N-substituted aspartic acid substance selected from the class consisting of free aspartic acids containing directly attached to the amino nitrogen atom at least one alkyl group with at least 12 carbon atoms and their alkali metal salts.

2,200,221

MANUFACTURE OF FLUORESCENT LAMPS

Carl F. Swinehart, Cleveland Heights, and Herman C. Froelich, Cleveland, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

No Drawing. Application June 5, 1939, Serial No. 277,456
19 Claims. (Cl. 176—122)

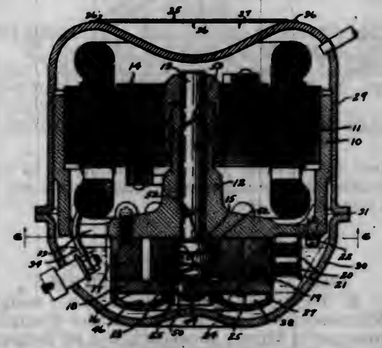
1. In the production of fluorescent lamps of the type comprising a sealed tube having spaced electrodes and interiorly coated with fluorescent pigment, the steps of evacuating said tube, externally heating the same to assist in the removal of water vapor from the fluorescent coating, introducing dry oxygen into such tube to a pressure high enough to avoid heating the electrodes to red heat, passing current through said tube until the external surface is hot enough to char paper, reducing the pressure to a point to cause the electrodes to become red hot upon the passage of current and passing current until the electrodes have reached red heat.

2,200,222

REFRIGERATING APPARATUS

Frederic L. Tarleton, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application December 30, 1936, Serial No. 118,329
5 Claims. (Cl. 230—139)



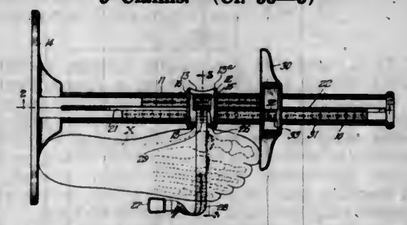
2. In combination with a motor-compressor unit, a sheet metal casing hermetically sealing said motor-compressor unit, an inwardly bulged portion on said casing member forming an exterior depression in said casing, and means cooperating with said bulged portion and depression forming a sound deadening pocket.

2,200,223

FOOT MEASURING APPARATUS

Charles H. Brown, New York, N. Y.

Application February 24, 1939, Serial No. 258,148
5 Claims. (Cl. 33—3)



1. A foot measuring apparatus comprising a hollow rule having a longitudinal slot, a slide on said rule with a portion thereof projecting through said slot to the hollow interior thereof, a tape, and means for mounting and winding the tape within the rule and carried by said slide enabling the tape to be withdrawn from the slide at any adjusted position of the slide with respect to the rule.

2,200,224

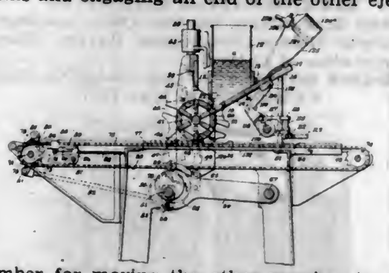
BOUILLON CUBE MACHINE

Louis Brownstein, Brooklyn, N. Y., assignor to Liebig Products Co., Inc., New York, N. Y., a corporation of New York

Application December 23, 1937, Serial No. 181,265
4 Claims. (Cl. 107—8)

1. In a machine for making bouillon cubes, a hollow mold provided with a series of rows of cubic mold cavities, a pair of ejector members within the mold forming the bottoms of a pair of opposed rows of said cavities, means for filling one row of cavities with bouillon stock, reciprocating means for compressing the stock within said one row and against one of said members to form bouillon cubes, and means including a mem-

ber secured to and operated by the reciprocating means and engaging an end of the other ejector



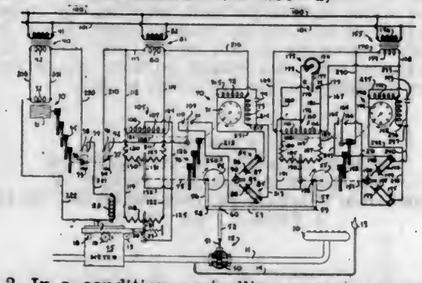
member for moving the other member to eject the molded and compressed cubes from an opposed row of cavities.

2,200,225

AIR CONDITIONING SYSTEM

Henry E. Hartig, Robbinsdale, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 9, 1937, Serial No. 163,051
21 Claims. (Cl. 236—1)



2. In a condition controlling system, a conditioning device for conditioning a space, means for conducting a conditioning medium to said device, means for measuring the total amount of said medium required to maintain a certain condition in said space for a predetermined period of time, and means whereby the same amount of said medium may be supplied to said device at a constant rate during a like period of time.

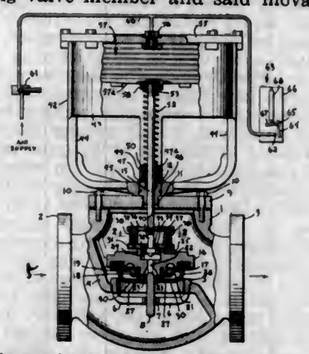
2,200,226

VALVE DEVICE

John M. Larson, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 13, 1937, Serial No. 174,297
4 Claims. (Cl. 137—139)

4. A flow controlling device comprising a valve casing having inlet and outlet passages communicating through a main valve port having a main valve seat, a member movable towards and away from said main valve seat, a pressure actuated motor comprising a chamber having a movable wall, said motor including a biasing means opposing the action of pressure applied to one side of said movable wall to cause the position assumed by said movable wall to vary with the pressure applied thereto, a throttling valve port formed in said main valve member, a throttling valve member associated with said throttling valve port for controlling the flow of medium through said throttling valve port, said throttling valve port communicating in a substantially unrestricted manner with the inlet and outlet passages of the valve casing so that the throttling valve member and valve port cooperate in passing a controlled flow of medium from said inlet passage to the outlet passage when the main valve member engages its seat, the flow of fluid through said throttling valve port being determined by the position of said throttling valve member relative to its seat, connecting means between said throttling valve member and said movable wall



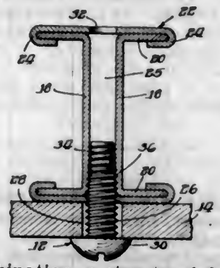
for moving said throttling valve member correspondingly with said wall, spring biasing means for biasing said throttling valve member relative to its seat, and stop means associated with said connecting means for causing said connecting means to positively move said main valve member towards and away from its seat when said throttling valve is a predetermined distance from its seat.

2,200,227

METHOD AND MEANS FOR FASTENING

Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application March 12, 1938, Serial No. 195,583
6 Claims. (Cl. 189—36)



6. In combination, a structural framing member comprising spaced walls having opposed, spaced faces providing an elongated slot therebetween, and means holding said walls from spreading; and a threaded fastener extending transversely of the slot between the spaced walls and engaging threads on the walls formed by the fastener as it is driven into the slot.

2,200,228

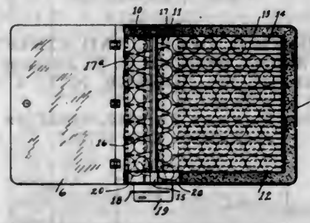
DISPENSING APPARATUS

Aaron T. Simmons, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois

Application April 7, 1938, Serial No. 201,797
6 Claims. (Cl. 312—36)

1. A dispensing apparatus for cylindrical con-

tainers including a casing, an inclined container support mounted therein, means for guiding said containers to travel on end by gravity in a straight line thereover, a screw conveyer rotatably mounted within the casing at an angle to the direction of travel of the containers arranged adjacent the lower end of the container support, said conveyer arranged to receive a container between the con-



volutes of its spiral blade to advance the container so received upon the support toward the front of the casing, said front of the casing being provided with an opening, means to rotate the conveyer; and means to receive and discharge a container so conveyed adjacent the front of the casing through said opening provided therefor in the front of the casing, and means to vibrate the containers in traveling over the inclined support.

2,200,229

WELDED CONSTRUCTION

Benno Strauss, Essen, Germany, assignor, by mesne assignments, to The Nirosta Corporation, a corporation of Delaware

No Drawing. Original application January 4, 1929, Serial No. 330,429. Divided and this application May 19, 1938, Serial No. 208,807. In Germany February 9, 1928
4 Claims. (Cl. 113—112)

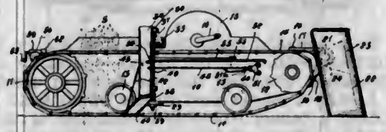
1. A non-heat treated welded construction comprising a plurality of individual parts, a weld between said parts and joining them together, and a critically heated zone occurring adjacent to said weld, said individual parts being composed of an alloy steel containing about 18% to about 25% of chromium, about 7% to about 12% of nickel, and less than 0.07% of carbon and possessing a structure constituted substantially of austenite free from deposits of carbides at the grain boundaries of the crystal grains, including those in the critically heated zone, and said construction, including said heated zone, being resistant to decomposition and to attack, by acids and salt solutions.

2,200,230

ARMORED MOTOR CAR OR TANK

Jakob Hojnowski, Nekoosa, Wis.

Application November 30, 1938, Serial No. 243,294
3 Claims. (Cl. 89—36)



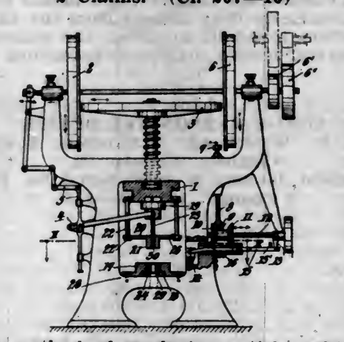
1. In an armored motor car or tank of the character described, a tank body, bars extending transversely of the top and bottom sides of the tank body and secured thereto, end extensions on the transverse bars projecting laterally of the tank body, laterally disposed guard plates having a pivot mounting on the outer ends of said extensions, each guard plate being perpendicularly disposed and adapted for transverse placement when in service and for occupying a position substantially parallel to and adjacent the tank body when out of service and means for holding the guard plates in service positions.

2,200,231

METHOD OF PRODUCING ELONGATED BODIES BY DEFORMATION

Johann Kafowi, Vienna, Austria, assignor of one-half to Friedrich Goldschmidt, Prague, Czechoslovakia

Application July 24, 1937, Serial No. 155,559
In Austria July 30, 1936
2 Claims. (Cl. 207—10)



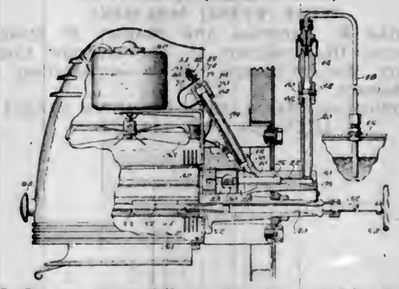
1. A method of producing articles which are relatively long compared with their cross-section, such as tubes and rods, comprising heating a blank or billet to a temperature near its melting point, and subjecting the blank to a sudden impact blow to extrude the material through a die to form the elongated article.

2,200,232

AUTOMOBILE HEATER

Henry J. De N. McCollum, Evanston, Ill.

Application January 14, 1937, Serial No. 120,524
16 Claims. (Cl. 237—12.3)



5. In an automobile heater, the combination of a combustion chamber, a radiator connected to receive the heated products of combustion from said chamber, means to connect said radiator to the intake manifold of the automobile engine, a thermostatic element having one end fixed and located adjacent said radiator in a position displaced from the normal path of air which has been heated by said radiator, a passageway connecting said combustion chamber with the atmosphere of a size to admit to said chamber sufficient air to quench combustion in said chamber, an inwardly facing valve seat in said passageway, a valve cooperable with said seat, a stem for said valve, a pair of spring retainers on said stem, a

spacing sleeve around said stem between said retainers and a spring surrounding said stem and compressed between said retainers, the free end of said thermostatic element engaging one of said retainers and normally exerting a force through said sleeve to hold said valve against its seat, said thermostatic element relieving pressure on said retainer when the former is heated above a predetermined temperature and thereby permitting said valve to open when the difference in the pressures upon the opposite sides thereof are sufficient to overcome the force of said spring.

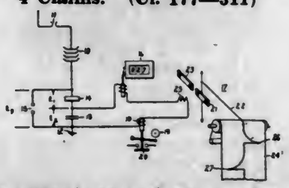
6. In a heater, a combustion chamber, means to connect said combustion chamber to a source of suction, atmospheric pressure operated means to supply a combustible mixture of liquid fuel to said combustion chamber, and means responsive to excessive heat derived from the gases of combustion to admit air from the atmosphere into said combustion chamber in quenching quantities.

2,200,233

SURGE RESPONSIVE DEVICE

Edwin R. Whitehead, McCandless Township, Allegheny County, Pa.

Application January 4, 1939, Serial No. 249,282
4 Claims. (Cl. 177—311)



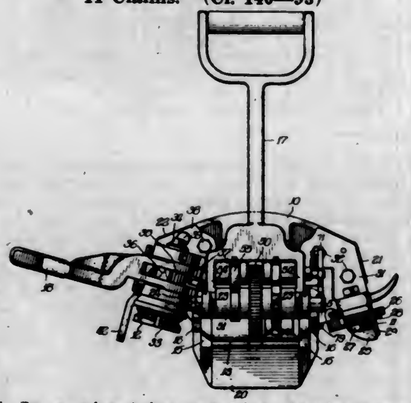
1. Surge current responsive apparatus comprising a condenser and an impedance having a negative voltage reactance characteristic connected in series relation, a circuit including an arc gap connected in shunt to the condenser and impedance, and a relay circuit connected across the condenser, the gap in the arc gap circuit being set to break down at a voltage not less than the condenser voltage necessary for operative energization of the relay circuit.

2,200,234

WIRE TYING MACHINE

Valerian F. Zaremba and Stanley P. Osuch, Cicero, Ill., assignors to The Gerrard Company, Inc., Chicago, Ill., a corporation of Delaware

Application May 6, 1939, Serial No. 272,251
11 Claims. (Cl. 140—93)



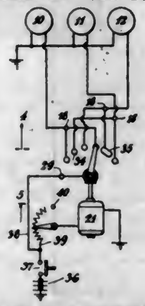
1. In a wire tying machine, tensioning and twisting mechanisms, separate independently movable hand levers for operating said mechanisms, and means for locking the hand lever for the twisting mechanism against movement prior to the operation of the tensioning mechanism irrespective of the position of the hand lever for the tensioning mechanism.

2,200,235

CONTROL DEVICE AND SYSTEM

John R. Aufiero, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York

Application February 21, 1940, Serial No. 319,999
9 Claims. (Cl. 177—7)



6. In combination, a plurality of electrical horns each adapted to continuously emit a tone of different pitch in response to continuous energization by electrical current, a plurality of contacts connected to said horns, a contact member, an electrical motor connected to said member for reciprocating the same with respect to said contacts to cause said member to first move relative to the contacts in one direction and to successively engage and energize said contacts and the horns connected therewith, whereby a sequential and pre-determined operation of the different horns results, said motor thereupon causing a movement of said member in a reverse direction with respect to said contacts whereby a reverse rendition of such pre-determined sequence results and switch means for connecting said motor and member with a source of electric current.

2,200,236

TOBACCO PIPE

Kurt F. J. Kirsten, Seattle, Wash.

Application January 20, 1939, Serial No. 251,954
9 Claims. (Cl. 131—201)



1. In a tobacco pipe, in combination, a barrel formed with a through-bore operating as a condensation chamber for the gases of combustion, having a smoke port in the upper wall, and providing a tobacco-receiving chamber arranged in smoke-feeding relation to the smoke port, and removable closure devices for the opposite ends of said bore, one of said closure devices providing an extension projecting into the bore and into lapping relation to the smoke port to act as a valve therefor, said extension providing a smoke conduit movable by rotation into registering relation with the smoke port and operating to divert smoke drawn through the latter into the forward end of the condensation chamber for causing said smoke to traverse a circuitous route in its passage through the chamber.

2,200,237

TOBACCO PIPE

Kurt F. J. Kirsten, Seattle, Wash.

Original application August 30, 1938, Serial No. 227,483. Divided and this application March 18, 1940, Serial No. 324,671
9 Claims. (Cl. 131—194)



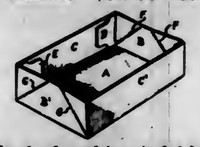
1. A tobacco pipe comprising the combination of a heat-conducting metallic barrel having a smoke chamber therein and formed with an internally threaded wall opening leading to the chamber, a non-metallic bowl for said barrel having an opening through its base leading from the tobacco chamber thereof and adapted to register with the threaded opening of the barrel, and a metallic center-bored headed screw received in the opening of the bowl and engaging the threads of the barrel opening for direct contact with the metallic barrel, the screw head finding bearing engagement with respect to the bottom of the bowl for securing the bowl relative to the barrel and said screw by its metallic nature functioning to maintain a lower temperature at the bottom of the bowl by rapid conduction of the heat of the smoke to the metallic barrel and outer atmosphere.

2,200,238

METHOD OF MAKING INFOLDED KNOCK-DOWN BOXES

Samuel Bergstein, Cincinnati, Ohio

Application October 26, 1939, Serial No. 301,462
6 Claims. (Cl. 93—49)

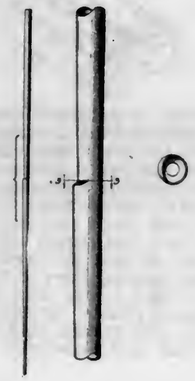


1. That method of making infolded knockdown boxes from blanks having a main body panel, a pair of opposite side walls, and a pair of opposite end walls, said end walls having diagonal lines of fold therein defining triangular portions and articulated thereto corner flaps, which comprises bringing said end walls into infolded position overlying the main body panel with the triangular portions thereof and the corner flaps folded back along said diagonal lines of fold, and thereafter folding in said corner flaps to overlie said folded triangular portions, retaining all folds in folded position, and folding said side walls inwardly to overlie said previously folded corner flaps.

DESIGNS

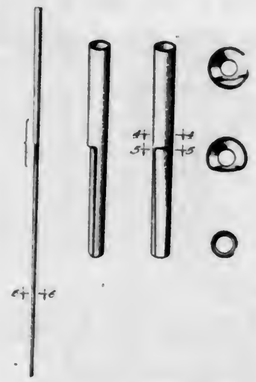
MAY 7, 1940

120,332
DESIGN FOR A GOLF CLUB SHAFT OR THE LIKE
George E. Barnhart, Pasadena, Calif.
Application September 14, 1939, Serial No. 87,223
Term of patent 14 years



The ornamental design for a golf club shaft or the like, as shown.

120,333
DESIGN FOR A GOLF CLUB SHAFT OR THE LIKE
George E. Barnhart, Pasadena, Calif.
Application February 9, 1940, Serial No. 90,169
Term of patent 14 years



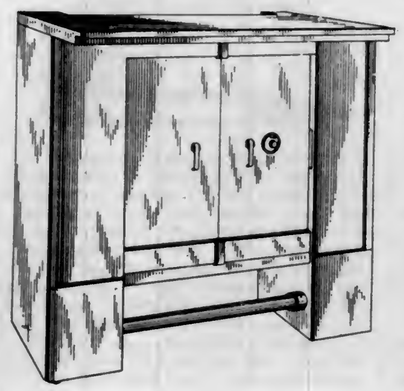
The ornamental design for a golf club shaft or the like, as shown.

120,334
DESIGN FOR AN OLIVE OIL DECANTER
Joseph Mario Barolo, Detroit, Mich.
Application March 5, 1940, Serial No. 90,693
Term of patent 14 years

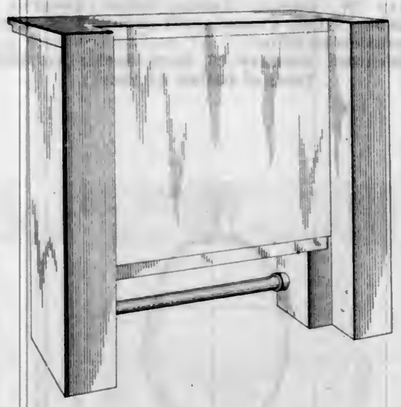


The ornamental design for an olive oil decanter, as shown.

120,335
DESIGN FOR A SAFE OR SIMILAR ARTICLE
Palmer Bescherer, York, Pa., assignor to York Safe and Lock Company, York, Pa., a corporation of Delaware
Application December 23, 1939, Serial No. 89,105
Term of patent 14 years

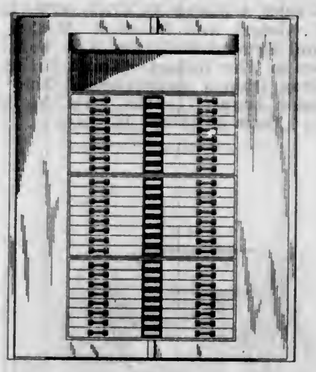


120,335—Continued



The ornamental design for a safe or similar article, as shown.

120,336
DESIGN FOR A SAFE OR SIMILAR ARTICLE
Palmer Bescherer, York, Pa., assignor to York Safe and Lock Company, York, Pa., a corporation of Delaware
Application December 23, 1939, Serial No. 89,106
Term of patent 14 years



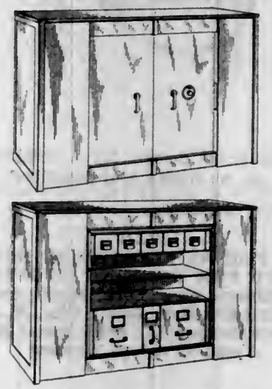


120,336—Continued



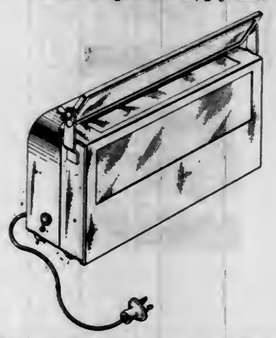
The ornamental design for a safe or similar article, as shown.

120,337
DESIGN FOR A SAFE OR SIMILAR ARTICLE
Palmer Bescherer, York, Pa., assignor to York Safe and Lock Company, York, Pa., a corporation of Delaware
Application December 23, 1939, Serial No. 89,107
Term of patent 14 years



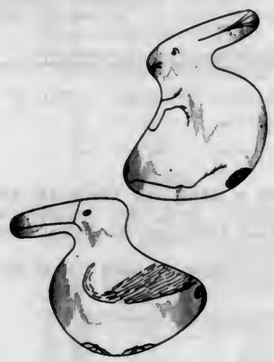
The ornamental design for a safe or similar article, as shown and described.

120,338
DESIGN FOR AN ADVERTISING SIGN
Theodore L. Chryst, Birmingham, Mich.
Application November 13, 1939, Serial No. 88,229
Term of patent 3½ years



The ornamental design for an advertising sign, as shown and described.

120,339
DESIGN FOR A COMBINED DUCK AND RABBIT TOY
Harry A. Elder, Chicago, Ill.
Application November 29, 1939, Serial No. 88,550
Term of patent 14 years



The ornamental design for a combined duck and rabbit toy, as shown and described.

120,340
DESIGN FOR AN ELECTRICAL HEATING UNIT FOR COOKING STOVES
Manuel Feldman, New York, N. Y., assignor to Joseph Gottlieb, Jersey City, N. J.
Application February 14, 1940, Serial No. 90,249
Term of patent 7 years



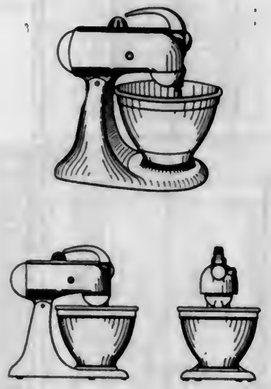
The ornamental design for an electrical heating unit for cooking stoves, as shown.

120,341
DESIGN FOR A JAR
Edwin W. Fuerst, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 26, 1940, Serial No. 89,709
Term of patent 14 years



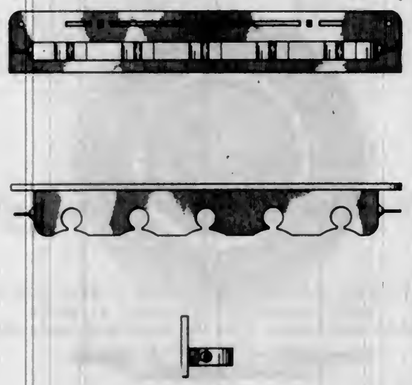
The ornamental design for a jar, substantially as shown and described.

120,342
DESIGN FOR A FOOD MIXING APPARATUS
Russell C. Geiger and David A. Meeker, Troy, Ohio, and Egmont H. Arens, New York, N. Y., assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application August 17, 1939, Serial No. 86,750
Term of patent 14 years



The ornamental design for a food mixing apparatus, substantially as shown.

120,343
DESIGN FOR A RACK FOR KITCHEN UTENSILS OR THE LIKE
Horner H. Hopkins, Des Moines, Iowa, assignor to Cobbs-Hamilton Co., Des Moines, Iowa
Application October 27, 1939, Serial No. 87,995
Term of patent 7 years



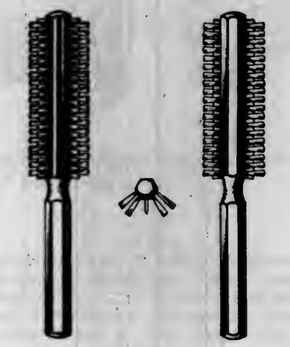
The ornamental design for a rack for kitchen utensils or the like, substantially as shown.

120,344
DESIGN FOR A DOLL
Burza S. Jones, Des Moines, Iowa
Application February 3, 1940, Serial No. 89,976
Term of patent 3½ years



The ornamental design for a doll, substantially as shown.

120,345
DESIGN FOR A COMBINED COMB AND BRUSH OR SIMILAR ARTICLE
Julius Kahn, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 14, 1939, Serial No. 87,218
Term of patent 3½ years



The ornamental design for a combined comb and brush or similar article, substantially as shown.

120,346
DESIGN FOR A HANDBAG
Florence N. Lewis, New York, N. Y.
Application February 9, 1940, Serial No. 90,163
Term of patent 3½ years



The ornamental design for a handbag, as shown.

120,347
DESIGN FOR A VANITY CASE
Ruth Warner Mason, Passaic, N. J.
Application February 10, 1940, Serial No. 90,182
Term of patent 3½ years



The ornamental design for a vanity case, substantially as shown.

120,348
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Robert A. May, Washington, Pa., assignor to Duncan & Miller Glass Company, Washington, Pa., a corporation of Pennsylvania
Application December 21, 1939, Serial No. 89,073
Term of patent 14 years



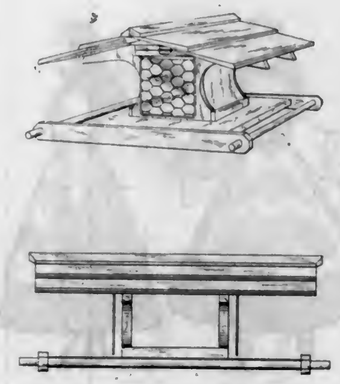
The ornamental design for a bowl or similar article, substantially as shown and described.

120,349
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Robert A. May, Washington, Pa., assignor to Duncan & Miller Glass Company, Washington, Pa., a corporation of Pennsylvania
Application December 21, 1939, Serial No. 89,077
Term of patent 14 years



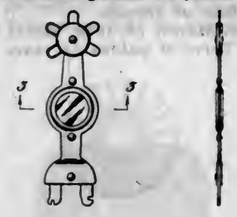
The ornamental design for a plate or similar article, substantially as shown and described.

120,350
DESIGN FOR A BIRD FEEDER
Fayette Moore, Cedar Rapids, Iowa
Application February 8, 1939, Serial No. 82,869
Term of patent 7 years



The ornamental design for a bird feeder, as shown.

120,351
DESIGN FOR A SPARK PLUG GAUGE
Thomas G. Monahan, Cuyahoga Falls, Ohio
Application March 1, 1940, Serial No. 90,614
Term of patent 14 years



The ornamental design for a spark plug gauge, as shown.

120,352
DESIGN FOR A RING OR SIMILAR ARTICLE
Ervin O. Oberdick, Cleveland, Ohio
Application February 16, 1940, Serial No. 90,315
Term of patent 3½ years



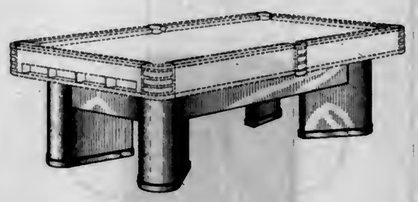
The ornamental design for a ring or similar article, as shown and described.

120,353
DESIGN FOR A CAP FOR A COLLAPSIBLE TUBE
Rodney B. Osterhoudt, Kingston, N. Y.
Application February 24, 1940, Serial No. 90,489
Term of patent 14 years



The ornamental design for a cap for a collapsible tube, as shown.

120,354
DESIGN FOR A BILLIARD TABLE
Paul C. Perrin, Pittsburgh, Pa., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application March 7, 1940, Serial No. 90,747
Term of patent 7 years



The ornamental design for a billiard table, as shown and described.

120,355
DESIGN FOR A FINGER RING
Sam J. Portnoy, Milwaukee, Wis., assignor of one-fourth to Frank O. Kloiber, and one-fourth to Sidney J. Herzberg, Milwaukee, Wis.
Application March 4, 1940, Serial No. 90,813
Term of patent 7 years





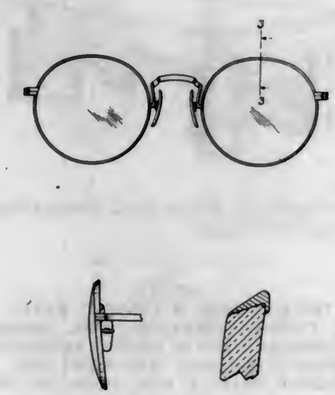
The ornamental design for a finger ring, as shown.

120,356
DESIGN FOR A PRINTING TYPE FONT
Imre Reiner, Lugano, Switzerland, assignor to The Bauer Type Foundry, Inc., New York, N. Y., a corporation of New York
Original application September 15, 1939, Serial No. 87,243, now Design Patent No. 118,171, dated December 19, 1939. Divided and this application February 3, 1940, Serial No. 89,975
Term of patent 7 years



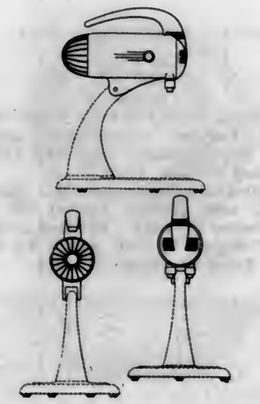
The ornamental design for a printing type font, as shown.

120,357
DESIGN FOR A SPECTACLE FRONT
John J. Rohrbach, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application April 17, 1939, Serial No. 84,349
Term of patent 14 years



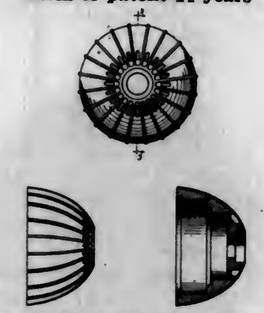
The ornamental design for a spectacle front, substantially as shown and described.

120,358
DESIGN FOR A FOOD MIXER
George T. Scharfenberg, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application July 15, 1939, Serial No. 86,038
Term of patent 14 years



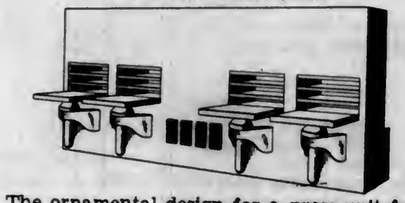
The ornamental design for a food mixer, substantially as shown and described.

120,359
DESIGN FOR A CONTROL KNOB FOR FOOD MIXER OR THE LIKE
George T. Scharfenberg, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application March 19, 1940, Serial No. 91,077
Term of patent 14 years



The ornamental design for a control knob for food mixer or the like, substantially as shown.

120,360
DESIGN FOR A PRESS UNIT FRONT
Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio
Application January 4, 1940, Serial No. 89,304
Term of patent 14 years



The ornamental design for a press unit front, substantially as shown and described.

120,361
DESIGN FOR A BATH MAT
Frank Sudell, Roxborough, Pa., assignor to Kurdistan Rug Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 20, 1939, Serial No. 89,042
Term of patent 3½ years



The ornamental design for a bath mat, as shown.

120,362
DESIGN FOR A BATH MAT
Frank Sudell, Roxborough, Pa., assignor to Kurdistan Rug Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 20, 1939, Serial No. 89,043
Term of patent 3½ years



The ornamental design for a bath mat, as shown.

120,363
DESIGN FOR A BATH MAT
Frank Sudell, Roxborough, Pa., assignor to Kurdistan Rug Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 20, 1939, Serial No. 89,044
Term of patent 3½ years



The ornamental design for a bath mat, as shown.

120,364
DESIGN FOR A BATH MAT
Frank Sudell, Roxborough, Pa., assignor to Kurdistan Rug Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 20, 1939, Serial No. 89,045
Term of patent 3½ years



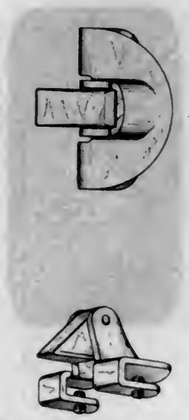
The ornamental design for a bath mat, as shown.

120,365
DESIGN FOR A BATH MAT
Frank Sudell, Roxborough, Pa., assignor to Kurdistan Rug Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 20, 1939, Serial No. 89,046
Term of patent 3½ years



The ornamental design for a bath mat, as shown.

120,366
DESIGN FOR A SAFETY LATCH FOR AUTOMOBILE DOORS
Joel R. Thorp, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application October 2, 1939, Serial No. 87,464
Term of patent 3½ years



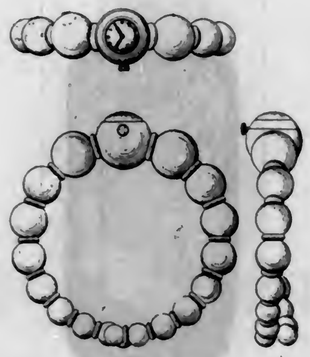
The ornamental design for a safety latch for automobile doors, substantially as shown.

120,367
DESIGN FOR AN IDENTIFICATION EMBLEM
Samuel R. Wells, Kansas City, Mo., assignor to Trubl-Fre Automobile Service Co., Kansas City, Mo., a corporation of Missouri
Application February 24, 1940, Serial No. 90,492
Term of patent 14 years



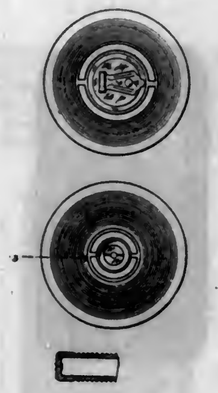
The ornamental design for an identification emblem, as shown.

120,368
DESIGN FOR A COMBINED WATCH AND BRACELET OR SIMILAR ARTICLE
William M. Welling, New York, N. Y.
Application March 20, 1940, Serial No. 91,094
Term of patent 3½ years



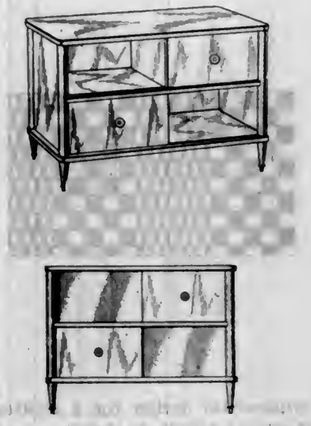
The ornamental design for a combined watch and bracelet or similar article, as shown.

120,369
DESIGN FOR A CASE FOR TAPE MEASURES
Eugene J. Witchger, Saginaw, Mich., assignor to The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan
Application February 5, 1940, Serial No. 90,045
Term of patent 14 years



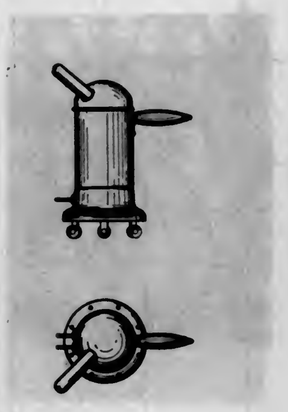
The ornamental design for a case for tape measures, as shown.

120,370
DESIGN FOR A CABINET OR SIMILAR ARTICLE
Alfons Bach, New York, N. Y.
Application November 15, 1939, Serial No. 88,302
Term of patent 7 years



The ornamental design for a cabinet or similar article, as shown and described.

120,371
DESIGN FOR A STEAM ATOMIZER
Aaron Barkin, New York, N. Y.
Application August 17, 1939, Serial No. 86,745
Term of patent 7 years



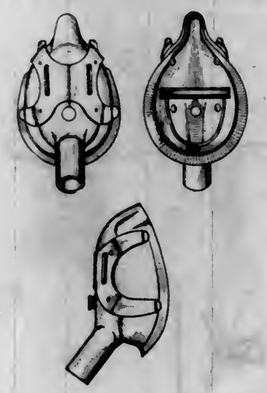
The ornamental design for a steam atomizer, as shown.

120,372
DESIGN FOR A NASAL MASK
Walter M. Boothby, Arthur H. Bulbulian, and William R. Lovelace, Rochester, Minn.
Application July 28, 1939, Serial No. 86,284
Term of patent 14 years



The ornamental design for a nasal mask, substantially as shown.

120,373
DESIGN FOR AN ORONASAL MASK
Walter M. Boothby, Arthur H. Bulbulian, and William R. Lovelace, Rochester, Minn.
Application July 28, 1939, Serial No. 86,285
Term of patent 14 years



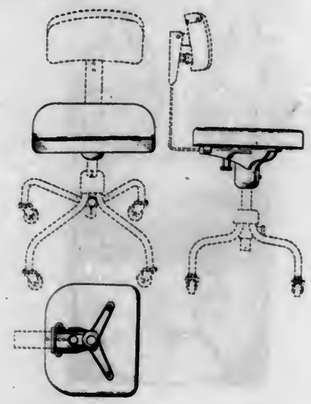
The ornamental design for an oronasal mask, substantially as shown.

120,374
DESIGN FOR A COMBINED CAN CARRIER AND DISPLAY RACK
Arthur Brandes, Arcadia, Ralph A. Quirk, Los Angeles, and Ralph J. Burke, Beverly Hills, Calif.
Application February 14, 1939, Serial No. 82,972
Term of patent 7 years



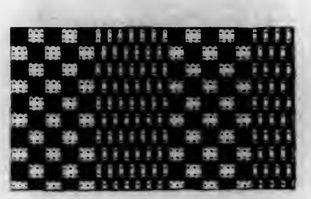
The ornamental design for a combined can carrier and display rack, substantially as shown.

120,375
DESIGN FOR A POSTURE CHAIR
Roy A. Cramer and Jesse F. Cramer, Kansas City, Mo.
Application November 30, 1939, Serial No. 88,588
Term of patent 14 years



The ornamental design for a posture chair, as shown and described.

120,376
DESIGN FOR A KNITTED TEXTILE FABRIC OR SIMILAR ARTICLE
Max Doft, Lawrence, N. Y., assignor to Princeton Knitting Mills, Incorporated, a corporation of Connecticut
Application January 26, 1940, Serial No. 89,737
Term of patent 3½ years



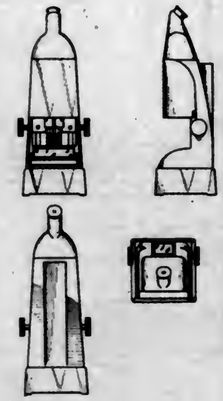
The ornamental design for a knitted textile fabric or similar article, as shown.

120,377
DESIGN FOR A TEXTILE FABRIC
George J. Finnegan, New York, N. Y.
Application April 9, 1940, Serial No. 91,549
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

120,378
DESIGN FOR A COLORIMETER
Edward F. Flint, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application December 2, 1939, Serial No. 88,641
Term of patent 7 years



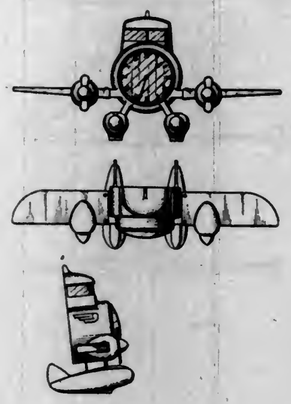
The ornamental design for a colorimeter, substantially as shown.

120,379
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application November 2, 1939, Serial No. 88,015
Term of patent 14 years



The ornamental design for a textile fabric, as shown and described.

120,380
DESIGN FOR A CLOCK
Harry Gordon, Chicago, Ill.
Application March 4, 1940, Serial No. 90,652
Term of patent 3½ years



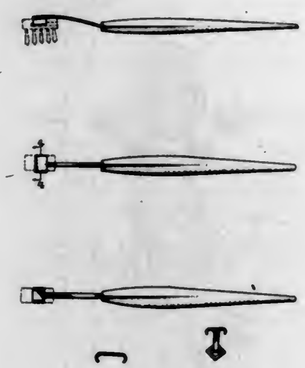
The ornamental design for a clock, substantially as shown.

120,381
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application February 8, 1940, Serial No. 90,137
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

120,382
DESIGN FOR A TOOTHBRUSH
Charles G. Kerr, San Anselmo, Calif.
Application August 26, 1939, Serial No. 86,901
Term of patent 14 years



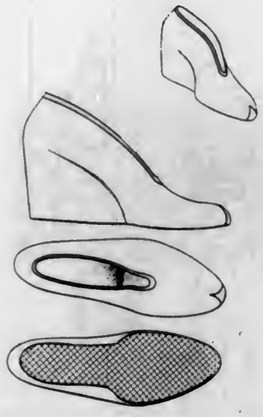
The ornamental design for a toothbrush, substantially as shown and described.

120,383
DESIGN FOR AN AIR COOLING AND DEHUMIDIFYING UNIT
Raymond Loewy, New York, N. Y.
Application May 24, 1939, Serial No. 85,183
Term of patent 14 years



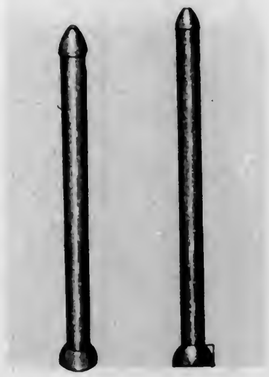
The ornamental design for an air cooling and dehumidifying unit, substantially as shown and described.

120,384
DESIGN FOR A RUBBER OVERSHOE
William Mancik, New York, N. Y., and George H. Quennard, Morristown, N. J.
Application March 30, 1940, Serial No. 91,368
Term of patent 14 years



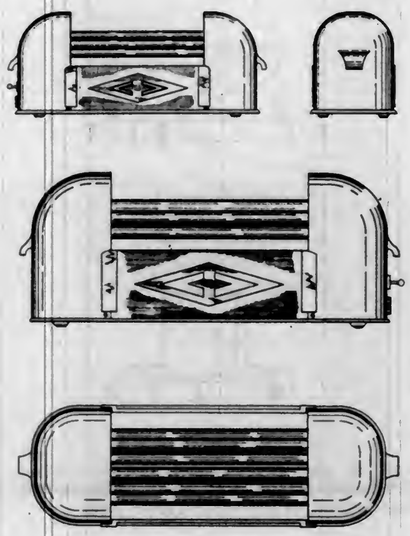
The ornamental design for a rubber overshoe, as shown.

120,385
DESIGN FOR A PUMP BODY
John A. Murnane, Waterbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application January 2, 1940, Serial No. 89,259
Term of patent 7 years



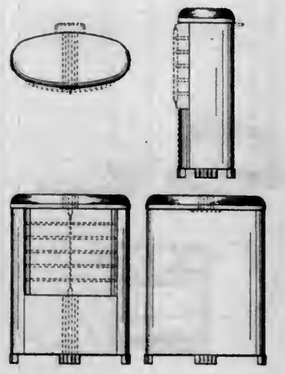
The ornamental design for a pump body, substantially as shown and described.

120,386
DESIGN FOR AN ELECTRIC OZONIZER
William A. Pardey, Portland, and Livy Stipp, Oregon City, Oreg.
Application February 27, 1939, Serial No. 83,228
Term of patent 14 years



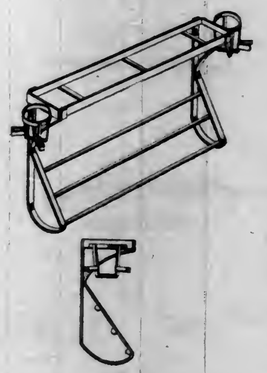
The ornamental design for an electric ozonizer, as shown.

120,387
DESIGN FOR AN ELECTRIC HEATER
Abe O. Samuels, Rochester, N. Y., assignor to Samson-United Corporation, Rochester, N. Y.
Application June 26, 1939, Serial No. 85,712
Term of patent 14 years



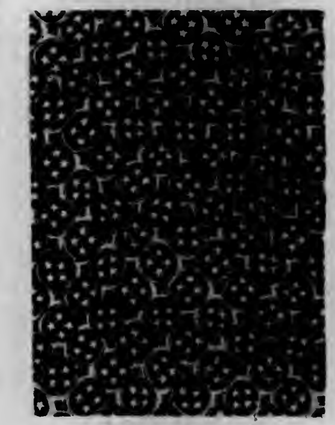
The ornamental design for an electric heater, as shown and described.

120,388
DESIGN FOR A TOILET SHELF
Joseph Slazinik and Andrew Zavicar, New York, N. Y.
Application March 4, 1940, Serial No. 90,670
Term of patent 14 years



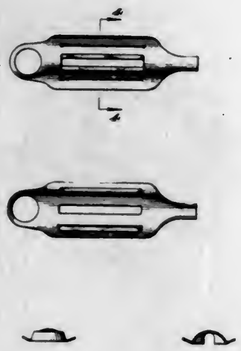
The ornamental design for a toilet shelf, as shown.

120,389
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
William Steffen, Hackensack, N. J.
Application March 25, 1940, Serial No. 91,212
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

120,390
DESIGN FOR A CULINARY CUTTING BLADE
John A. Waller, Beverly Hills, Calif.
Application July 14, 1939, Serial No. 86,006
Term of patent 14 years



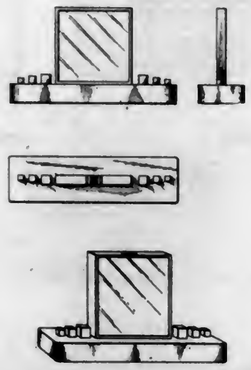
The ornamental design for a culinary cutting blade, as shown.

120,391
DESIGN FOR A HOLDER FOR CRACKERS AND CHEESE
James W. Warren, Los Angeles, Calif.
Application March 9, 1940, Serial No. 90,787
Term of patent 14 years



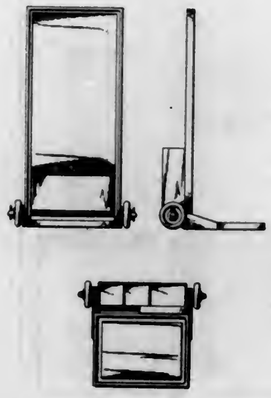
The ornamental design for a holder for crackers and cheese, substantially as shown.

120,392
DESIGN FOR A RADIO CABINET OR SIMILAR ARTICLE
Jean Alazet, Perpignan, France
Application July 15, 1939, Serial No. 86,030
In France March 11, 1939
Term of patent 14 years



The ornamental design for a radio cabinet or similar article, as shown and described.

120,393
DESIGN FOR A CURB SERVICE BATTERY TRUCK
Leon A. Doughty, Glenside, Pa., assignor to Carlile & Doughty, Inc., a corporation of Pennsylvania
Application September 15, 1939, Serial No. 87,238
Term of patent 3½ years



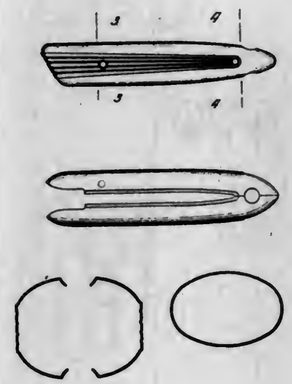
The ornamental design for a curb service battery truck, as shown.

120,394
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David Levin and Joseph W. McGee, New York, N. Y.
Application May 3, 1939, Serial No. 84,753
Term of patent 14 years



The ornamental design for a shoe or similar article, substantially as shown and described.

120,395
DESIGN FOR A BATTERY TANK OR SIMILAR ARTICLE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 28, 1939, Serial No. 86,918
Term of patent 7 years



The ornamental design for a battery tank or similar article, substantially as shown.

120,396
DESIGN FOR AN AUTOMOBILE RADIATOR CAP
Ernst Olsson, Brooklyn, N. Y.
Application December 5, 1939, Serial No. 88,701
Term of patent 7 years

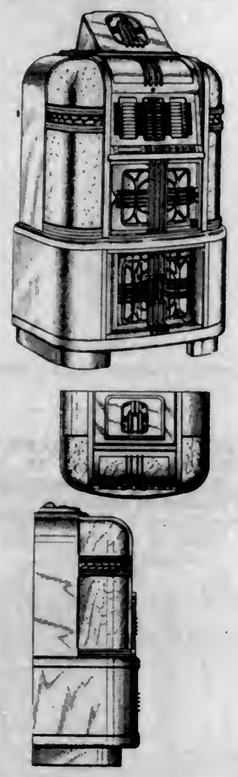


The ornamental design for an automobile radiator cap, as shown.

120,397
DESIGN FOR A PHONOGRAPH CABINET
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application March 8, 1940, Serial No. 90,761
Term of patent 7 years

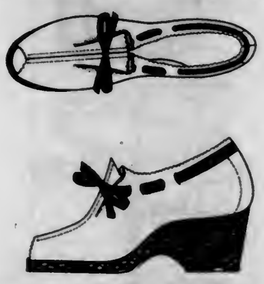
The ornamental design for a phonograph cabinet, substantially as shown and described.

120,398
DESIGN FOR A PHONOGRAPH CABINET
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application March 8, 1940, Serial No. 90,762
Term of patent 7 years



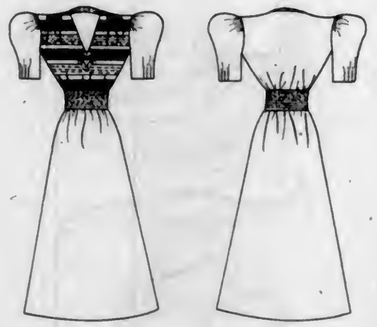
The ornamental design for a phonograph cabinet, substantially as shown and described.

120,399
DESIGN FOR A SHOE
Harry Sobel, Los Angeles, Calif.
Application April 11, 1940, Serial No. 91,604
Term of patent 3½ years



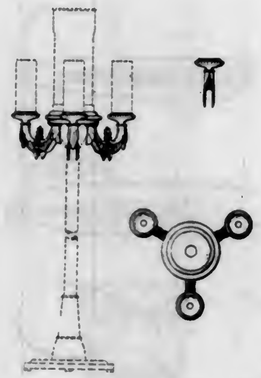
The ornamental design for a shoe, substantially as shown.

120,400
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Benjamin Cutler, Brooklyn, N. Y., assignor to Irving Stempel & Co., Inc., New York, N. Y., a corporation of New York
Application August 25, 1938, Serial No. 79,554
Term of patent 3½ years



The ornamental design for a dress or similar article, as shown and described.

120,401
DESIGN FOR A LAMP BASE
August O. Elting, Chicago, Ill.
Application October 5, 1939, Serial No. 87,523
In Canada September 18, 1939
Term of patent 14 years



The ornamental design for a lamp base, as shown and described.

120,402
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application October 5, 1939, Serial No. 87,524
In Canada September 18, 1939
Term of patent 14 years



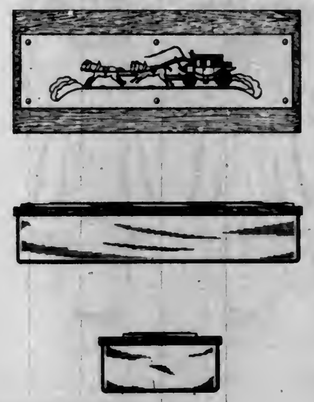
The ornamental design for an arm for lamp fixtures, as shown.

120,403
DESIGN FOR A GLOVE
Kay Fuchs, New York, N. Y.
Application March 23, 1940, Serial No. 91,196
Term of patent 3½ years



The ornamental design for a glove, substantially as shown and described.

120,404
DESIGN FOR A CIGARETTE BOX OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., and Walter W. Brossman, Pittsburgh, Pa., assignors to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 28, 1939, Serial No. 88,532
Term of patent 7 years



The ornamental design for a cigarette box or similar article, substantially as shown.

120,405
DESIGN FOR A DRESS ENSEMBLE
Marion Haon, New York, N. Y.
Application March 29, 1940, Serial No. 91,319
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

120,406
DESIGN FOR A DRESS ENSEMBLE
Marion Haon, New York, N. Y.
Application March 29, 1940, Serial No. 91,321
Term of patent 3½ years



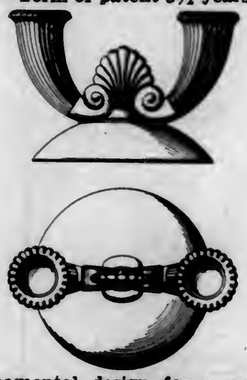
The ornamental design for a dress ensemble, substantially as shown and described.

120,407
DESIGN FOR A DRESS
Sheldon B. Levey, Eggertsville, N. Y., assignor to Barmon Brothers Company, Inc., Buffalo, N. Y., a corporation of New York
Application February 10, 1940, Serial No. 90,191
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,408
DESIGN FOR A CANDLESTICK OR SIMILAR ARTICLE
Onnie Mankki, Cleveland, Ohio, assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application February 19, 1940, Serial No. 90,354
Term of patent 3½ years



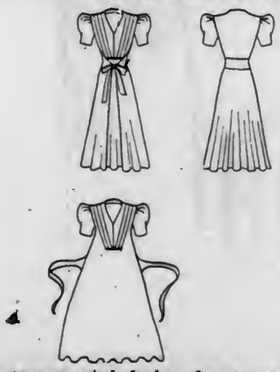
The ornamental design for a candlestick or similar article, substantially as shown.

120,409
DESIGN FOR AN ASH TRAY
Eugene V. Myers, East Orange, N. J.
Application February 18, 1938, Serial No. 75,236
Term of patent 14 years



The ornamental design for an ash tray, as shown and described.

120,410
DESIGN FOR A MATERNITY DRESS
Jack North, Cincinnati, Ohio
Application June 21, 1939, Serial No. 85,592
Term of patent 7 years



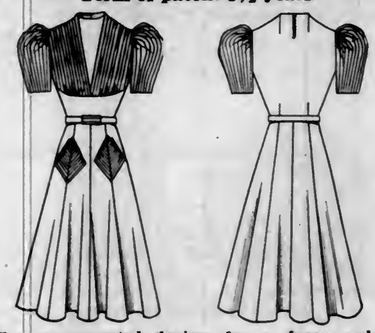
The ornamental design for a maternity dress, substantially as shown and described.

120,411
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application March 25, 1940, Serial No. 91,208
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,412
DESIGN FOR A DRESS
Nat Rubin, New York, N. Y.
Application March 16, 1940, Serial No. 91,002
Term of patent 3½ years



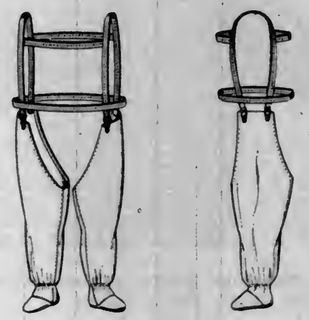
The ornamental design for a dress, substantially as shown and described.

120,413
DESIGN FOR A DRESS ENSEMBLE
Albert Ruchman, New York, N. Y.
Application March 25, 1940, Serial No. 91,202
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

120,414
DESIGN FOR COMBINED SUSPENDERS AND LEGGINGS
Hannah M. Seeley, San Diego, Calif.
Application February 2, 1940, Serial No. 89,956
Term of patent 14 years



The ornamental design for combined suspenders and leggings, as shown.

120,415
DESIGN FOR A COMBINED PERFUME BOTTLE, SACHET BALLS, AND CONTAINER THEREFOR
Jean E. Vivaudou and Henry G. Lubin, New York, N. Y.
Application March 1, 1940, Serial No. 90,605
Term of patent 3½ years



The ornamental design for a combined perfume bottle, sachet balls, and container therefor, as shown.

120,416
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Hans Boepple, Valley Cottage, N. Y.
Application January 18, 1940, Serial No. 89,528
Term of patent 3½ years



The ornamental design for a sweater or similar article, as shown and described.

120,417
DESIGN FOR A KNITTED BLOUSE OR SIMILAR ARTICLE
Hans Boepple, Valley Cottage, N. Y.
Application January 18, 1940, Serial No. 89,529
Term of patent 3½ years



The ornamental design for a knitted blouse or similar article, as shown and described.

120,418
DESIGN FOR AN ASCOT SCARF OR SIMILAR ARTICLE
Claire Clawson, New York, N. Y.
Application April 11, 1939, Serial No. 84,202
Term of patent 3½ years



The ornamental design for an Ascot scarf or similar article, substantially as shown and described.

120,419
DESIGN FOR A HOSIERY PROTECTOR
William W. Elgin, Eugene, Oreg.
Application July 7, 1939, Serial No. 85,908
Term of patent 14 years





The ornamental design for a hosiery protector, as shown and described.

120,420
DESIGN FOR A DRESS
Herbert M. Harris, New York, N. Y.
Application April 4, 1940, Serial No. 91,458
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,421
DESIGN FOR A JAR
Charles A. Howell, Winnetka, Ill., assignor to Pharma-Craft Corporation, Louisville, Ky.
Application February 5, 1940, Serial No. 90,053
Term of patent 14 years





The ornamental design for a jar, as shown.

120,422
DESIGN FOR A GLASS BOTTLE
Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application December 14, 1939, Serial No. 88,879
Term of patent 7 years



The ornamental design for a glass bottle, substantially as shown.

120,423
DESIGN FOR AN ANNUNCIATOR CHIME
Carlton L. McMullen, West Hartford, Conn.
Application October 12, 1939, Serial No. 87,629
Term of patent 14 years



The ornamental design for an annunciator chime, as shown and described.

120,424
DESIGN FOR AN ANNUNCIATOR CHIME
Carlton L. McMullen, West Hartford, Conn.
Application October 12, 1939, Serial No. 87,630
Term of patent 14 years



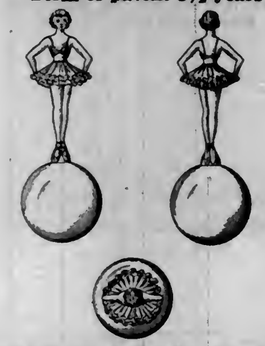
The ornamental design for an annunciator chime, as shown and described.

120,425
DESIGN FOR A MILK BOTTLE
John B. Neal, Allston, Mass., assignor of thirty-seven and one-half per cent to Frederick H. McAdams, Revere, Mass., and twenty-five per cent to Everett E. Kent, Newton, Mass.
Application February 13, 1940, Serial No. 90,234
Term of patent 14 years



The ornamental design for a milk bottle, as shown.

120,426
DESIGN FOR A PERFUME BOTTLE OR THE LIKE
Bertha H. Ogden, New York, N. Y., assignor to Babs Creations, Inc., New York, N. Y., a corporation of New York
Application February 14. 1940, Serial No. 90,245
Term of patent 3½ years



The ornamental design for a perfume bottle or the like, substantially as shown.

120,427
DESIGN FOR A REDINGOTE
Arthur Rosen, Roxbury, Mass.
Application February 26, 1940, Serial No. 90,502
Term of patent 3½ years



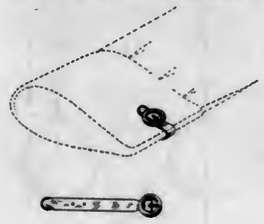
The ornamental design for a redingote, substantially as shown.

120,428
DESIGN FOR A DRESS
Lola Appelbaum, New York, N. Y.
Application April 12, 1940, Serial No. 91,618
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,429
DESIGN FOR A CUFF LINK OR SIMILAR ARTICLE
Fulco Di Verdura, New York, N. Y., assignor to Paul E. Flato, New York, N. Y.
Application August 4, 1938, Serial No. 79,097
Term of patent 3½ years



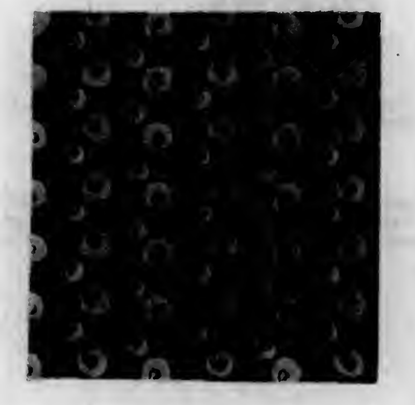
The ornamental design for a cuff link or similar article, substantially as shown.

120,430
DESIGN FOR A COMBINED BAR SERVICE STAND, TRAY, AND BOTTLES
David W. Dunberg, New York, N. Y.
Application February 24, 1940, Serial No. 90,473
Term of patent 7 years



The ornamental design for a combined bar service stand, tray, and bottles, substantially as shown.

120,431
DESIGN FOR A TEXTILE FABRIC
George J. Finnegan, New York, N. Y.
Application April 9, 1940, Serial No. 91,551
Term of patent 3½ years



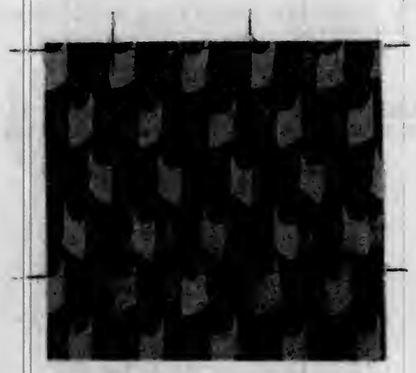
The ornamental design for a textile fabric, substantially as shown.

120,432
DESIGN FOR A TEXTILE FABRIC
George J. Finnegan, New York, N. Y.
Application April 9, 1940, Serial No. 91,552
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

120,433
DESIGN FOR A TEXTILE FABRIC
George J. Finnegan, New York, N. Y.
Application April 9, 1940, Serial No. 91,547
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

120,434
DESIGN FOR A TEXTILE FABRIC
Ray Gold, New York, N. Y.
Application April 6, 1940, Serial No. 91,509
Term of patent 3½ years



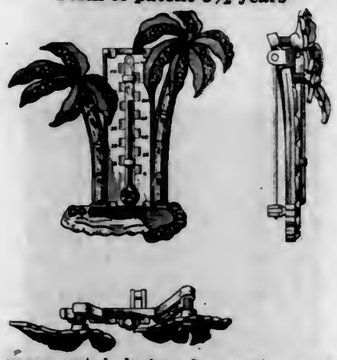
The ornamental design for a textile fabric, substantially as shown.

120,435
DESIGN FOR A COMFORTABLE
Lawrence Goodstein, New York, N. Y.
Application March 28, 1940, Serial No. 91,292
Term of patent 3½ years



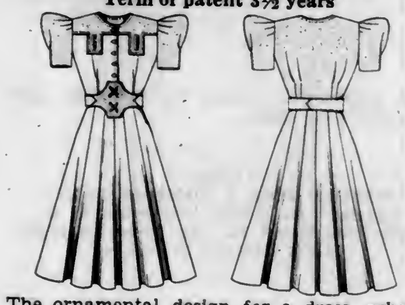
The ornamental design for a comfortable, substantially as shown and described.

120,436
DESIGN FOR A PIN OR THE LIKE
Walter Lampl, New York, N. Y.
Application March 30, 1940, Serial No. 91,355
Term of patent 3½ years



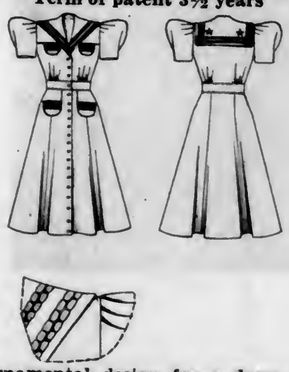
The ornamental design for a pin or the like, as shown.

120,437
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 11, 1940, Serial No. 91,591
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,438
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 11, 1940, Serial No. 91,592
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,439
DESIGN FOR A DRESS
Herman Kramer, New York, N. Y.
Application April 12, 1940, Serial No. 91,619
Term of patent 3½ years



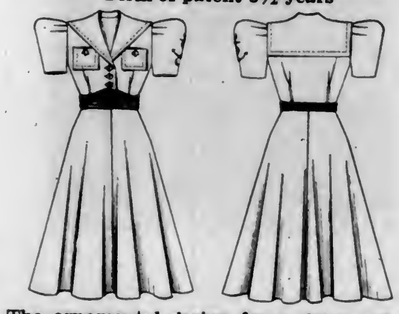
The ornamental design for a dress, substantially as shown.

120,440
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 16, 1940, Serial No. 91,698
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,441
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 16, 1940, Serial No. 91,700
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,442
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 16, 1940, Serial No. 91,703
Term of patent 3½ years



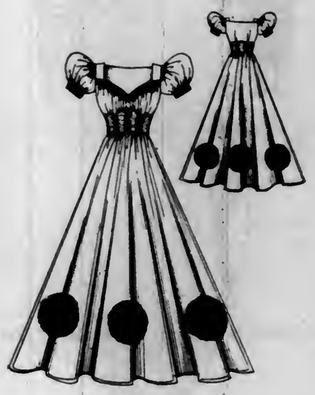
The ornamental design for a dress, substantially as shown.

120,443
DESIGN FOR A DRESS
Lillian Abbott, New York, N. Y.
Application April 3, 1940, Serial No. 91,438
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,444
DESIGN FOR A DRESS AND SLIP ENSEMBLE
Alice Engel, New York, N. Y.
Application March 25, 1940, Serial No. 91,206
Term of patent 3½ years



The ornamental design for a dress and slip ensemble, substantially as shown.

120,445
DESIGN FOR A DRESS
Seymour Jacobson, New York, N. Y.
Application April 3, 1940, Serial No. 91,437
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,446
DESIGN FOR A PIN OR THE LIKE
Walter Lampl, New York, N. Y.
Application March 30, 1940, Serial No. 91,353
Term of patent 3½ years



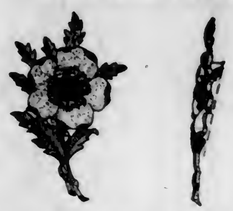
The ornamental design for a pin or the like, as shown.

120,447
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 3, 1940, Serial No. 91,425
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,448
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application March 16, 1940, Serial No. 90,996
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

120,449
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 21, 1940, Serial No. 90,418
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

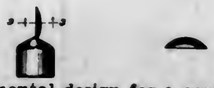
120,450
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application March 29, 1940, Serial No. 91,328
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

120,451
DESIGN FOR A CONTAINER CAP
Gustav A. Rechlin, Chicago, Ill.
Application February 1, 1940, Serial No. 89,937
Term of patent 7 years





The ornamental design for a container cap, as shown.

120,452
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
José Rodriguez, New York, N. Y.
Application March 29, 1940, Serial No. 91,324
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

120,453
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
José Rodriguez, New York, N. Y.
Application March 29, 1940, Serial No. 91,325
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

120,454
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
José Rodriguez, New York, N. Y.
Application March 29, 1940, Serial No. 91,326
Term of patent 3½ years



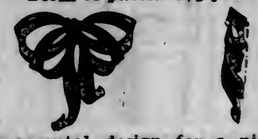
The ornamental design for a brooch or similar article, substantially as shown.

120,455
DESIGN FOR A TEXTILE FABRIC
Frank Sudell, Roxborough, Pa., assignor to J. Harris Warthman, trustee for La France Industries, Philadelphia, Pa.
Application December 27, 1939, Serial No. 89,158
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

120,456
DESIGN FOR A PIN CLIP
Joseph Wuyts, New York, N. Y.
Application March 16, 1940, Serial No. 90,991
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

120,457
DESIGN FOR A PIN CLIP
Joseph Wuyts, New York, N. Y.
Application March 16, 1940, Serial No. 90,992
Term of patent 3½ years



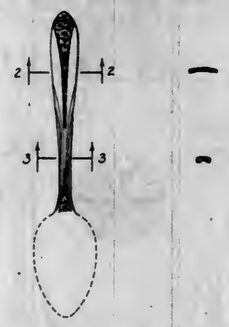
The ornamental design for a pin clip, substantially as shown.

120,458
DESIGN FOR A PIN CLIP
Joseph Wuyts, New York, N. Y.
Application March 16, 1940, Serial No. 90,994
Term of patent 3½ years



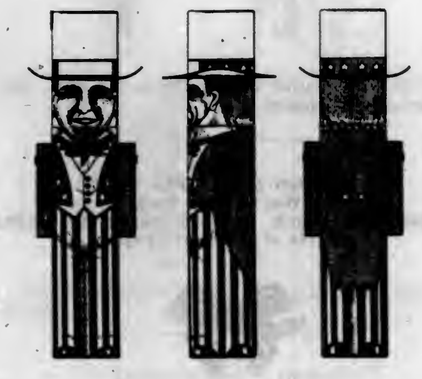
The ornamental design for a pin clip, substantially as shown.

120,459
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Marwood A. Downs, Muncie, Ind., assignor to Ontario Manufacturing Company, Muncie, Ind., a corporation
Application February 29, 1940, Serial No. 90,593
Term of patent 14 years



The ornamental design for a spoon or other article of flatware, substantially as shown.

120,460
DESIGN FOR A BOX OR SIMILAR CONTAINER
Charles F. Friedrich, Rochester, N. Y., assignor to E. E. Fairchild Corporation, Rochester, N. Y., a corporation of New York
Application February 7, 1940, Serial No. 90,102
Term of patent 7 years



The ornamental design for a box or similar container, substantially as shown.

120,461
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application February 28, 1940, Serial No. 90,577
Term of patent 7 years





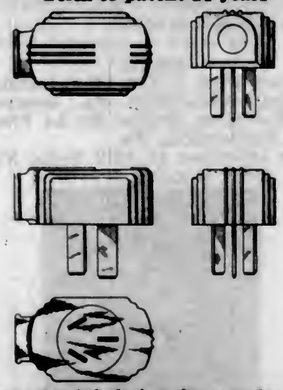
The ornamental design for a container cap, substantially as shown.

120,462
DESIGN FOR A PIN OR THE LIKE
Walter Lampl, New York, N. Y.
Application March 30, 1940, Serial No. 91,354
Term of patent 3½ years



The ornamental design for a pin or the like, as shown.

120,463
DESIGN FOR AN ELECTRICAL CONNECTING CAP
Louis Ludwig, Brooklyn, N. Y.
Application December 28, 1939, Serial No. 89,177
Term of patent 14 years



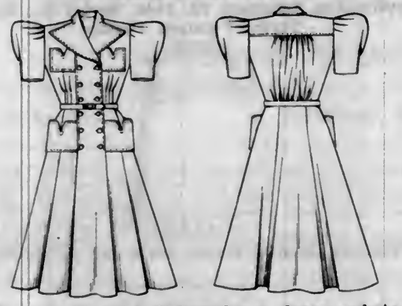
The ornamental design for an electrical connecting cap, as shown.

120,464
DESIGN FOR AN ADAPTER FOR A CONTAINER CLOSURE
Herman H. Martin, Toledo, Ohio, assignor to H. H. Martin Products Corporation, Toledo, Ohio, a corporation of Ohio
Application May 22, 1939, Serial No. 85,118
Term of patent 14 years



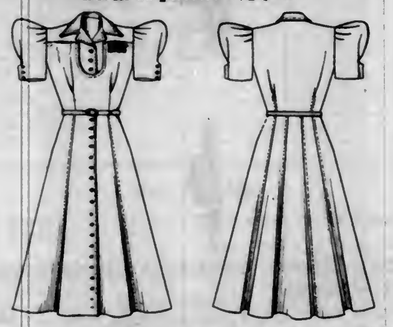
The ornamental design for an adapter for a container closure, substantially as shown.

120,465
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 11, 1940, Serial No. 91,589
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,466
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 11, 1940, Serial No. 91,590
Term of patent 3½ years



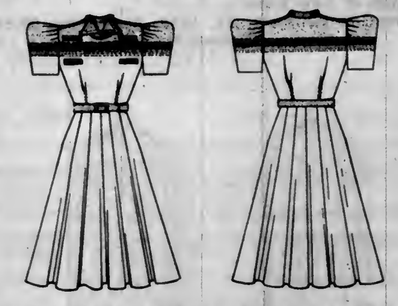
The ornamental design for a dress, substantially as shown.

120,467
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 11, 1940, Serial No. 91,593
Term of patent 3½ years



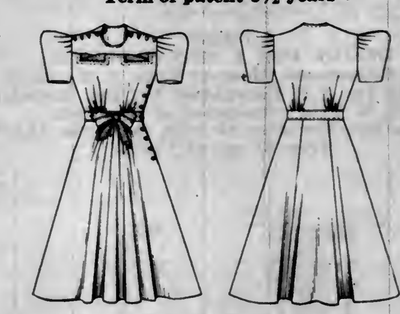
The ornamental design for a dress, substantially as shown.

120,468
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 16, 1940, Serial No. 91,694
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,469
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 16, 1940, Serial No. 91,695
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,470
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 16, 1940, Serial No. 91,702
Term of patent 3½ years



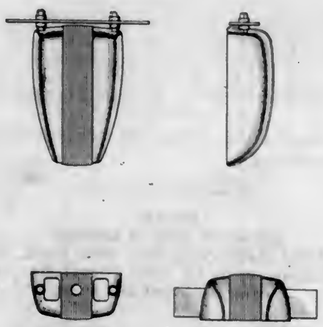
The ornamental design for a dress, substantially as shown.

120,471
DESIGN FOR A CONTAINER FOR PERFUME OR THE LIKE
Bertha H. Ogden, New York, N. Y., assignor to Babs Creations, Inc., New York, N. Y., a corporation of New York
Application February 14, 1940, Serial No. 90,244
Term of patent 3½ years



The ornamental design for a container for perfume or the like, substantially as shown.

120,472
DESIGN FOR A SIGNAL DEVICE
Lloyd Rittenhouse, Honeoye Falls, N. Y., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application November 16, 1939, Serial No. 88,327
Term of patent 7 years



The ornamental design for a signal device, as shown.

120,473
DESIGN FOR A JAR
Frasier Smith, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application February 23, 1940, Serial No. 90,470
Term of patent 7 years



The ornamental design for a jar, as shown.

120,474
DESIGN FOR A PIN CLIP
Joseph Wuyts, New York, N. Y.
Application March 8, 1940, Serial No. 90,756
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

120,475
DESIGN FOR A PIN CLIP
Joseph Wuyts, New York, N. Y.
Application March 16, 1940, Serial No. 90,993
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

Patents Nos. 2,200,239 to 2,201,131

THE
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May 14, 1940

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Labels	63—No.	54,704 to No.	54,766, inclusive.
Prints	13—No.	17,957 to No.	17,969, inclusive.
Reissues	4—No.	21,448 to No.	21,451, inclusive.
Plant Patents	6—No.	395 to No.	400, inclusive.
Patents	893—No.	2,200,239 to No.	2,201,131, inclusive.
Designs	133—No.	120,476 to No.	120,608, inclusive.
Total	1,363		

Attorneys—Disbarment

(ORDER No. 3,504)

U. S. PATENT OFFICE, *Washington, D. C., Mar. 20, 1940.*
Acting under the provisions of section 487 Revised Statutes of the United States (U. S. C. title 35, sec. 11), Moseley A. Keller, 45th Floor, 30 Broad Street, New York, N. Y., whose registration is No. 9338, is hereby disbarred from practice before the United States Patent Office.

JUSTIN W. MACKLIN,
Acting Commissioner.

Important Notice as to Prints and Labels

Under the provisions of the Act of Congress approved July 31, 1939, the Commissioner of Patents is required to return to the respective applicants all applications for the registration of prints and labels pending in the Patent Office and uncleared at the close of business June 30, 1940, together with all funds paid or deposited in connection therewith; the Register of Copyrights being charged with the registration of prints and labels commencing July 1, 1940.
Since it is unlikely that certificates of registration could be issued by the Patent Office, within the prescribed time, upon applications filed or amended later than May 15, 1940, it is suggested that new applications, and amendments in those pending, be withheld after that date, thus avoiding unnecessary expense and possible confusion.

LESLIE FRAZER,
Assistant Commissioner.

Order No. 3510

Order 3254, October 7, 1933, is hereby superseded by the following:

Where an application is filed with claims specific to each of two or more species and a claim or claims generic thereto, the Examiner, in the first action, will group the species claims in accordance with Notice of January 31, 1935,* give a complete action on the merits of all generic claims, and if no generic claim is found allowable, require election of one species; or if any generic claim is found allowable and the number of species claimed exceeds three, a requirement for election of three species will be made. If, however, the number of species claimed does not exceed three, a full action on the merits of such species claims will also be given where a generic claim is found allowable.

Where election of species is required, the applicant's response to be complete must include an amendatory action or traverse relating to the rejected generic claims, and, if the Examiner's grouping of the claims is accepted by the applicant, an election of species conformably to the Examiner's requirement; or if the grouping of claims is not concurred in by applicant, a bona fide traverse of the grouping; that is, something more than a perfunctory request that the case be referred to the Classification Examiner for decision.

CONWAY P. COE,
Commissioner.

*Notice.—Relating to Order 3254—In requiring division or election under Order 3254, the Examiner, in addition to grouping the claims pertaining to the respective species, will indicate the species characteristic of each group; as, for example, that group 1 reads only on Fig. I (or on Example I); group 2 reads only on the alternative construction shown in Fig. II (or on Example II). Or, in the absence of distinct figures or examples to identify the several species, the mechanical means or the particular substance or other characteristic in which the species attribute resides should be stated in connection with each group. Such data are necessary in order that applicant may be fully apprised of the Examiner's view-point in the grouping of the claims.

C. L. WOLCOTT,
Supervisory Examiner.
January 31, 1935.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Apr. 15, 1940.*

Mode Publishing Co., Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Coast-To-Coast Publishing Co., Inc., 501 Madison Avenue, New York, N. Y., to effect the cancellation of trade-mark registration No. 234,181, issued October 18, 1927, to Mode Publishing Co., Inc., 15 West Thirty-seventh Street, New York, N. Y., and a notice of such proceeding sent by registered mail to said Mode Publishing Co., Inc. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Mode Publishing Co., Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business April 27, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,845; Trade-Mark Division, 1,397. Oldest new case, Sept. 15, 1939; oldest amended, Sept. 22, 1939.)
(The dates given are 1939 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: Now	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Dec. 11	Dec. 8	521
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Oct. 31	Oct. 23	881
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furances	†Feb. 29	†Feb. 27	320
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Dec. 2	Nov. 21	552
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons.	†Feb. 3	†Jan. 24	350
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 21	Oct. 20	1002
5725	7. JARBOE, C. G., Optics; Photography	Dec. 14	Dec. 22	957
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Nov. 4	Oct. 31	1036
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 1	Nov. 14	765
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	†Jan. 15	†Feb. 28	390
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Feb. 9	†Jan. 31	364
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Dec. 15	Dec. 1	506
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 20	Nov. 17	661
5097	14. REYNOLDS, E. L., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Jan. 15	†Jan. 9	640
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 6	Nov. 2	1212
5716	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 5	Dec. 7	533
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 6	Dec. 16	633
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 15	Nov. 17	616
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Jan. 12	Dec. 26	475
5605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Dec. 14	†Jan. 27	313
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Jan. 13	Dec. 29	455
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Sept. 18	Sept. 18	1175
7624	23. BUTTNER, W. J., Registers (part)	Sept. 16	Sept. 19	256
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 15	Sept. 22	1457
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 28	Dec. 27	520
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Nov. 30	Dec. 8	423
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Oct. 30	Oct. 5	875
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Nov. 25	Nov. 6	510
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 7	Nov. 8	905
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Dec. 15	Dec. 18	744
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 22	Dec. 22	941
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Dec. 22	Dec. 20	227
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Dec. 18	Dec. 18	938
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	†Feb. 23	†Feb. 23	232
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Dec. 4	Dec. 11	734
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Nov. 21	Dec. 5	710
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 15	Nov. 22	604
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering: Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Oct. 10	Oct. 12	757
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 11	Dec. 19	573
7880	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	Sept. 27	Sept. 27	1964
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Dec. 2	Dec. 6	287
5882	42. CUTTING, H. O., Electric Signaling	Oct. 12	Sept. 28	729
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Dec. 22	Dec. 15	450
4087B	44. HARVEY, L. P., Refrigeration	Nov. 16	Nov. 15	655
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Jan. 19	†Jan. 20	452
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Dec. 4	Dec. 4	708
6082	47. FIELDER, W. C. (Act.), Clutches; Brakes	Dec. 28	Dec. 27	487
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 6	Dec. 9	484
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Oct. 31	Oct. 16	917
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Nov. 27	Nov. 27	1429
5628	51. BACKUS, C. D., Radiant Energy (part)	†Feb. 16	†Feb. 14	608
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 13	Dec. 20	666
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 17	Nov. 15	316
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	†Feb. 16	†Mar. 1	241
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Dec. 9	Dec. 6	490
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Oct. 27	Oct. 27	1235
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Dec. 19	†Jan. 12	362
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 2	Nov. 30	464
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 13	Nov. 13	830
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	†Feb. 3	†Feb. 3	346
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Nov. 27	Nov. 29	620
5621	62. PUGH, E. C., Games; Geometrical Instruments	†Feb. 26	†Feb. 10	312
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Sept. 28	Sept. 30	1107
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Jan. 22	†Jan. 12	612
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Jan. 24	†Jan. 6	446
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Mar. 20	†Apr. 12	1324
	{Labels and Prints	†Apr. 17	†Apr. 15	73
2605	Designs: H. H. KALUPY	†Mar. 20	†Apr. 5	845

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE EWALD

No. 4,221. Decided December 26, 1939

[108 F.(2d) 250]

PATENTABILITY—FRUIT TREATING APPARATUS.

Claims for fruit treating apparatus *Held* properly rejected as functional and indefinite.

APPEAL from Patent Office. Affirmed.

Messrs. Cox and Moore (*Mr. Ballard Moore* and *Mr. Curtis F. Prangley* of counsel) for Ewald.

Mr. Howard S. Miller for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 131 to 134, inclusive, in appellant's application for a patent for an alleged invention relating to fruit treating apparatus.

The appealed claims were rejected by the Patent Office tribunals as being functional and indefinite in that they failed to—

"particularly point out and distinctly claim the part, improvement, or combination which he [appellant] claims as his invention or discovery",

as required by section 4888 of the Revised Statutes (U. S. C. Title 35, § 33).

In rejecting the appealed claims, no prior art was cited by the tribunals of the Patent Office.

Claims 131, 132, and 134 are illustrative. They read:

131. A fruit treating apparatus comprising in combination means for holding a half fruit with its cut face exposed, means shiftable to and from said holding means including mechanism carried thereby for severing the central seed carrying portion of the half fruit; for substantially inverting the half fruit and discharging the severed portion from the half fruit at a predetermined location; and for moving the half fruit free of said severed portion away from said holding means to a discharge point removed from the place of discharge of said severed portion.

132. A fruit treating apparatus comprising in combination means for holding a half fruit with its cut face exposed, means forming a discharge station located relatively remote from said holding means, means shiftable into contact with the cut face of the fruit in said holding means and shiftable to a discharge station relatively remote therefrom including mechanism carried thereby for severing a central seed containing portion of the half fruit; said shiftable means including mechanism for shifting slightly the contacting means to relieve pressure of the fruit against the holding means; for thereafter substantially inverting the half fruit relatively to its holding means and for discharging the severed portion during said inversion and for thereafter moving the half fruit to said discharge station.

134. A fruit treating apparatus comprising in combination means for holding a half fruit with its cut face exposed, means shiftable to and from said holding means including mechanism carried thereby for severing a central seed carrying portion of the half fruit; for contacting the cut face of the half fruit and turning the half fruit in and bodily relatively to such holding means to a substantially inverted position with respect to said holding means and for discharging the severed portion during such bodily turning movement of the half fruit; and for thereafter bodily shifting the half fruit to a location relatively remote from said holding means; and means for forcibly ejecting the half fruit from said shiftable means.

Claim 133 is similar to quoted claim 131.

It will be observed that appealed claim 131 defines combination comprising, first,

"means for holding a half fruit with its cut face exposed",

and, second,

"means shiftable to and from said holding means *including mechanism carried thereby* for severing the central seed carrying portion of the half fruit",

such means having other functions as set forth in the claim. [Italics ours.]

Appealed claim 132 is similar to claim 131, except that it includes "means forming a discharge station located relatively remote from said holding means."

Appealed claim 134 is similar to claim 131, except that it includes "means for forcibly ejecting the half fruit from said shiftable means."

In rejecting the appealed claims, the Primary Examiner, among other things, said:

Claims 131 to 134, inclusive, are rejected as functional, indefinite, and as failing to "particularly point out and distinctly claim" the invention as required in Section 4888, Revised Statutes. In the last eight lines of claim 131, last six lines of claim 132, last nine lines of claim 133, and last eleven lines of claim 134, applicant has merely listed or catalogued a number of unrelated functions for mechanism in the shiftable means.

In claim 131, for example, mechanism is set forth "for severing the central seed carrying portion of the half fruit; for substantially inverting the half fruit and discharging the severed portion from the half fruit at a predetermined location; and for moving the half fruit free of said severed portion away from said holding means to a discharge point removed from the place of discharge of said severed portion". There is no reference in the claim as to the character of the mechanism for performing these various functions, therefore, any kind of means that will perform the functions is included within the term "mechanism". It is indefinite and describes a mere function or result. The elements to which applicant applies the term "mechanism" followed by their function, constitute the essence of the invention, and such description of the mechanism renders the claim functional. This claim describes nothing but functions, and a function is not patentable. See *Westinghouse* v. *Boyden Power Brake Co.*, 170 U. S. 537; *Interstate Folding Box Co.* v. *Empire Box Corp.*, 68 Fed.(2d) 500; and *Topheim Oil Tank & Pump Co.* v. *Dean et al.*, 73 Fed.(2d) 32.

Claims 132, 133, and 134 are rejected for the same reasons as claim 131.

It is contended here by counsel for appellant that the invention defined in the appealed claims resides in a combination of elements; that the "means shiftable to and from said holding means including the mechanism carried thereby" is not the essence of the alleged invention; and that, therefore, the claims are proper combination claims. Authorities claimed to support of their contention are cited in the brief of counsel for appellant as follows: *The Telephone Cases*, 126 U. S. 1, 43 O. G. 377; *Eibel Co.* v. *Paper Co.*, 261 U. S. 45, 310 O. G. 3; *Morley Sewing Machine Co.* v. *Lancaster*, 129 U. S. 263, 47 O. G. 267; *Continental Paper Bag Company* v. *Eastern Paper Bag Company*, 210 U. S. 405, 136 O. G. 1297; *Oilgear Co.* v. *J. N. Lapointe Co.*, 33 F.(2d) 929; *Premier Register Table Co.* v. *West*, 21 F.(2d) 762; *Buono et al.* v. *Yankee Maid Dress Corporation*, 77 F.(2d) 274.

If, as argued by counsel for appellant, the invention lies in a combination of elements, the claims

are proper, although the various functions of the "mechanism" carried by the means shiftable to and from the holding cup are recited therein.

If, on the contrary, the "mechanism" carried by the means shiftable to and from the holding means is the essence of the invention, the mechanical structure of such "mechanism", and not merely its function or the result obtained by its use, should be set forth in the claims. *In re Ferguson*, 23 C. C. P. A. (Patents) 1143, 83 F.(2d) 693, 472 O. G. 3; *In re Lawson and Cloutier*, 23 C. C. P. A. (Patents) 1235, 83 F.(2d) 1001, 472 O. G. 497; *In re Spitzglass et al.*, 25 C. C. P. A. (Patents) 1227, 96 F.(2d) 1002, 496 O. G. 856, and cases cited in the decision of the Primary Examiner, supra.

Counsel for appellant argue in their brief that—

> In the present case the invention resides not in the novelty of a single element but in a combination of elements by which the fruit is cored, the cored fruit removed from the cup, the core deposited in the cup, and the cored fruit discharged from the means which removes it from the cup. No art whatsoever has been cited against these claims from which it could be said that the novelty in applicant's claims 131 to 134, inclusive, resides in a single element, but it is apparent, as stated, that the invention in its broadest expression resides in the new combination of such elements and, therefore, applicant may properly define each of these elements in terms of means for accomplishing its stated function.

On the other hand, the Solicitor for the Patent Office argues that if the essence of the invention is not in the mechanism carried by the means shiftable to and from the holding means, as held by the Primary Examiner, and if—

> all the elements are old and the alleged invention of claim 131, for example, is merely bringing together an old "means shiftable to • • •" with a "means for holding a half fruit • • •" then it can easily be shown that such an alleged invention is not invention at all because it is clear that fruit has been held before, if in no other way, at least by hand, in the operation of coring. The mere provision of "means" broadly, and without reference to any specific means, for performing a function previously performed by hand, is not inventive. *In re Gill*, 17 C. C. P. A. (Patents) 700, 1930 C. D. 91; *In re Rundell*, 18 C. C. P. A. (Patents) 1290, 1931 C. D. 498.
>
> Thus, obviously, if the "means shiftable to • • •" were old in the art and the alleged invention of claim 131 was argued to reside in the combination that such old means of and means for holding the fruit from what has just been set forth it would seem obvious that there could be no invention in merely broadly providing a means for holding the fruit where the fruit had clearly in the prior art been held by hand.

Whether the elements referred to in the appealed claims as "means" are new or old in the art does not appear from the record. We have before us the mere assertion by counsel for appellant that the statement in the decision of the Primary Examiner that the "elements to which applicant applies the term 'mechanism' followed by their function, constitute the essence of the invention" is erroneous, and that the real invention lies in the combination of the means set forth.

There being nothing of record to substantiate the claim of counsel for appellant that the Examiner was in error in holding that the "mechanism" carried by the means shiftable to and from the holding cup is the essence of the invention, there is no basis, either in law or in fact, for a reversal by this court of the decision of the Board of Appeals affirming the decision of the Primary Examiner. Accordingly, the decision is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,319,448, H. A. Wood, Web renewing device; 1,843,436, same, Paper replenishing device for web presses; 1,843,469, same, Web change device; Re. 19,996, same, Automatic splicing device, D. C., S. D. N. Y., Doc. E 83/225, *Wood Newspaper Machinery Corp.* v. *R. Hoe & Co., Inc.* Consent order of discontinuance without prejudice (notice Feb. 29, 1940).

1,365,604, Rittman & Dutton, Treatment of hydrocarbons; 1,632,011, F. Tinker, Production of petrol; 1,740,691, C. J. Greenstreet, Apparatus and process of treating hydrocarbon oils; 1,886,093, same, Process for treating hydrocarbon oils, D. C., E. D. Tex. (Tyler), Doc. E 757, *Sinclair Refining Co.* v. *East Texas Refining Co.* Special defense of license and release for past infringement sustained, bill dismissed Feb. 16, 1940.

1,401,156, C. F. Jenkins, Lawn mower, D. C., E. D. Wis. (Milwaukee), Doc. 47, *Moto-Mower Co.* v. *Outboard Marine & Mfg. Co.* Patent held valid and infringed Mar. 2, 1940.

1,427,700. (See Re. 17,405.)

1,455,887, O. B. Salisbury, Shoe, D. C., E. D. N. Y., Doc. 334, *O. B. Salisbury* v. *Pediforme Shoe Co., Inc., et al.* Decree for defendants dismissing bill Feb. 29, 1940.

1,477,744, H. J. Yaghubian, Reversible coat, filed Mar. 2, 1940, D. C., S. D. N. Y., Doc. 7/454, *H. J. Yaghubian* v. *Quality Coat Co., Inc., et al.*

1,498,058, R. Stahl, Automobile, filed Feb. 23, 1940, D. C., E. D. Mich., S. Div., Doc. 1715, *R. Stahl* v. *International Harvester Co.*

1,552,326, P. J. Lunati, Lifting device for motor vehicles; 1,644,785, same, Vehicle turntable; 1,689,145, same, Turntable lift, filed Feb. 13, 1940, D. C., N. D. Calif. (San Francisco), Doc. 21482–L, *Rotary Lift Co. et al.* v. *T. Halstead et al.*

1,577,917, D. G. Lorraine, Method and apparatus for separating gas and oil; 1,620,771, 1,670,728, 1,693,849, same, Oil and gas separator, filed Feb. 14, 1940, D. C., S. D. Calif., C. Div., Doc. 805–RJ, *The Lorraine Corp.* v. *American Pipe & Steel Corp.*

1,579,497. (See Re. 17,405.)

1,597,819, Poulsen & Petersen, Device for feeding acoustic film at constant speed; 2,006,719, A. Poulsen, Constant-speed film-feeding mechanism, appeal filed Jan. 13, 1940, C. C. A., 3d Cir., Doc. 7309, *British Acoustic Films, Ltd.*, v. *Electrical Research Products, Inc.* Doc. 7310, *British Acoustic Films, Ltd.*, v. *R. C. A. Mfg. Co., Inc.*

1,602,175. (See Re. 17,405.)

1,602,175, L. L. Scott, Electric control system for fuel oil burners, C. C. A., 2d Cir., Doc. —, *The Cleveland Trust Co.* v. *Osher & Reiss, Inc.* Decree reversed Mar. 4, 1940.

1,618,702, M. J. Forsell, Insecticide, D. C., W. D. Wash., S. Div., Doc. 619, *The C. H. Lilly Co.* v. *Arvo Louko et al.* Patent held not infringed Feb. 29, 1940.

1,620,771. (See 1,577,917.)

1,624,698, R. J. Watts, Doffer for ironing machines, filed Mar. 4, 1940, D. C., W. D. Mich. (Grand Rapids), Doc. 75, *Why Corp.* v. *Super Ironer Corp.*

1,630,495, N. Marcalus, Box for paper rolls, C. C. A., 3d Cir., Doc. 7191, *Marcalus Mfg. Co., Inc., et al.* v. *Automatic Paper Machinery Co., Inc.* Decree reversed Feb. 23, 1940.

1,632,011. (See 1,365,604.) 1,644,785. (See 1,552,326.)

1,670,728. (See 1,577,917.)

1,676,860, E. L. Green, Turning guide for fishing tools, D. C., S. D. Tex. (Houston), Doc. 101, *E. L. Green et al.* v. *Me-Tex Supply Co. et al.* Dismissed Feb. 23, 1940.

1,689,145. (See 1,552,326.) 1,693,849. (See 1,577,917.)

1,700,721, W. F. Groene, Center drive lathe, D. C., E. D. Mich., S. Div., Doc. 1630, *The R. K. LeBond Machine Tool Co.* v. *Ford Motor Co.* Dismissed Feb. 24, 1940.

1,716,812, H. V. Ball, Roll changer; 1,959,445, G. Salzer, Tension for paper rolls; 2,045,059, J. R. Tomlin, Web supply mechanism for printing machines; 2,063,098, A. J. Horton, Web supply mechanism; 2,071,440, J. R. Tomlin et al., same, D. C., S. D. N. Y., Doc. E 87/81, *R. Hoe & Co., Inc.*, v. *Wood Newspaper Machinery Corp.* Consent order of discontinuance without prejudice (notice Feb. 29, 1940).

1,740,691. (See 1,365,604.)

1,754,959, D. F. Matushenko, Bracelet lock, D. C., E. D. N. Y., Doc. 333, *P. J. Drakoff* v. *Moray's Mfg. Co., Inc., et al.* Judgment favor defendant Mar. 1, 1940.

1,770,932, A. G. Leake, Method of strengthening structural members under load, C. C. A., 2d Cir., Doc. —, *A. G. Leake* v. *The New York Central Rrd. Co.* Decree reversed (notice Mar. 4, 1940).

1,796,347, H. W. Sanford, Mine car; 1,796,348, same, Railway car, D. C., E. D. Pa., Doc. 8997, *H. W. Sanford et al.* v. *Philadelphia & Reading Coal & Iron Co.* Dismissed Feb. 28, 1940.

1,796,348. (See 1,796,347.)

1,798,867, G. Candas, Brooch, D. C., S. D. N. Y., Doc. E 83/177, *Cohn & Rosenberger, Inc.*, v. *L. Mazer et al.* Decree (notice Feb. 27, 1940).

1,830,768, I. M. Rod, Art of making garments, D. C., E. D. Pa., Doc. 9393, *Rokap Corp.* v. *S. Teplick et al.* (*Teplick & Eisenberg Bros.*). Doc. 9399, *Rokap Corp.* v. *H. J. Ettelson et al.* Doc. 9413, *Rokap Corp.* v. *Pincus Bros., Inc.* Doc. 9415, *Rokap Corp.* v. *Maxwell, Inc.* Doc. 9445, *Rokap Corp.* v. *Silvertone Clothes, Inc.* Doc. 9447, *Rokap Corp.* v. *Padi Clothes Co., Inc.* Dismissed Mar. 1, 1940, in each of above cases.

1,832,719, F. P. McBerty, Combined electric welder and flash stripper, C. C. A., 3d Cir., Doc. 7108, *Mesta Machine Co.* v. *Federal Machine & Welder Co.* Decree reversed Feb. 23, 1940.

1,843,436. (See 1,319,448.) 1,843,469. (See 1,319,448.)

1,846,714, W. H. Frank, Switch block mounting; 2,009,376, 2,059,988; same, Electrical distribution system; Des. 94,298, same, Bus duct run; 2,041,675, 2,088,105, Frank & Harper, same, filed Feb. 26, 1940, D. C., N. D. Ohio, E. Div., Doc. 20224, *Bulldog Electric Products Co.* v. *The Powerlite Switchboard Co.*

1,862,340, V. T. Hoeflich, Convoluted ornament of flexible material; 1,888,197, same, Machine for making convoluted structures of flexible material; 1,888,198, same, Method of making convoluted ornaments of flexible material; 2,112,723, I. J. Wisoff, Decorative material, D. C., S. D. N. Y., Doc. E 87/322, *New York Merchandise Co., Inc.*, v. *American Merri-Lei Corp. et al.* Consent order of discontinuance (notice Feb. 26, 1940).

1,886,093. (See 1,365,604.)

1,887,523, E. S. Schenkel, Sign illumination, D. C., E. D. Pa., Doc. 9383, *E. S. Schenkel* v. *Gill Glass & Fixture Co.* Dismissed Mar. 1, 1940.

1,888,197. (See 1,862,340.) 1,888,198. (See 1,862,340.)

1,891,965, H. A. Wood, Quick change web splicing device, filed July 13, 1936, D. C., S. D. N. Y., Doc. E. 83/227, *Wood Newspaper Machinery Corp.* v. *R. Hoe & Co., Inc.*

1,906,176, Newman & Harper, Chaser, filed Mar. 1, 1940, D. C., N. D. Ohio, E. Div., Doc. 20230, *Landis Machine Co.* v. *J. W. Mull, Jr.*

1,944,006, L. S. Hanflig, Impact producing implement, filed Feb. 29, 1940, D. C., S. D. N. Y., Doc. 7/435, *L. Hanflig* v. *Segal Lock & Hardware Co., Inc.*

1,959,445. (See 1,716,812.)

1,960,140, H. D. Church, Heavy duty automobile construction, filed Mar. 2, 1940, D. C., M. D. Pa., Doc. 399, *Reid-Avery Co.* v. *McKay Co.*

1,984,973, S. Krasnov, Slip cover for furniture, D. C., E. D. Pa., Doc. 9341, *Sure-Fit Products Co. et al.* v. *S. R. Novack.* Dismissed Mar. 1, 1940.

2,006,719. (See 1,597,819.) 2,009,376. (See 1,846,714.)

2,011,747, M. Bechik, Handle for mattresses, box springs and cushions; 2,105,580, same, Handle, D. C. Minn. (Minneapolis), Doc. 150. *M. Bechik* v. *Restful Mattress Co.* Decree Feb. 27, 1940.

2,041,675. (See 1,846,714.) 2,045,059. (See 1,716,812.)

2,059,988. (See 1,846,714.)

2,062,001, G. C. Grenier, Tobacco pouch, D. C., S. D. N. Y., Doc. 2/475, *G. C. Grenier et al.* v. *Leatherwear Co., Inc., et al.* Consent order dismissing bill (notice Feb. 27, 1940).

2,063,098. (See 1,716,812.)

2,070,038, H. H. Batt, Producing smoke and fog effects, D. C., S. D. Calif., C. Div., Doc. 258–RJ, *H. H. Batt* v. *United Artists Studio, Ltd., et al.* Stipulated decree for plaintiff for restraining order but without ruling on validity of patent Feb. 27, 1940.

2,071,440. (See 1,716,812.) 2,088,105. (See 1,846,714.)

2,095,223, A. O. Samuels, Fan, C. C. A., 2d Cir., Doc. —, *Samson-United Corp* v. *H. I. Emanuel et al.* Decree reversed (notice Mar. 4, 1940).

2,104,203, S. Levy, Girdle, filed Feb. 16, 1940, D. C., N. D. Calif. (San Francisco), Doc. 21/492–S, *S. Levy* v. *Sidley Co.*

2,105,580. (See 2,011,747.) 2,112,723. (See 1,862,340.)

2,133,076, B. M. Boddie, Translucent projection screen, filed Feb. 28, 1940, D. C., S. D. Calif., C. Div., Doc. 823–RJ, *Flat Light Screen Co.* v. *Paramount Pictures, Inc., et al.*

2,150,618, S. R. Blackwell, Screed, filed Feb. 26, 1940, D. C. Ill. (East St. Louis), Doc. 246, *S. R. Blackwell* v. *H. Hoeffken et al.* (*Hoeffken Bros. Supply & Construction Co.*).

2,150,815, K. Berger, Screw-threaded stock and manufacture of same, filed Mar. 1, 1940, D. C., E. D. N. Y., Doc. —, *K. Berger* v. *Belmet Products, Inc., et al.* Same, D. C., S. D. N. Y., Doc. 4/493, *K. Berger* v. *Mutual Sunset Lamp Mfg. Co. et al.* Stipulation dismissing action without prejudice (notice Mar. 1, 1940).

2,170,085, C. Lengyel, Insulating covering for hot air furnaces, filed Feb. 26, 1940, D. C., W. D. N. Y., Doc. 380, *Great Lakes Furnace & Insulating Corp.* v. *G. B. Ronayne et al.*

Re. 17,405 (of 1,427,700), L. L. Scott, Oil burning heating system; 1,602,175, same, Electric control system for fuel oil burners; 1,579,497, L. I. Aldrich, Safety control mechanism for electrically controlled fuel burning devices, C. C. A., 2d Cir., Doc. —, *The Cleveland Trust Co.* v. *Osher & Reiss, Inc.* Decree reversed (notice Mar. 4, 1940).

Re. 19,058, H. A. Wood, Quick change splicing device, D. C., S. D. N. Y., Doc. E 83/226, *Wood Newspaper Machinery Corp.* v. *R. Hoe & Co., Inc.* Consent order dismissing action without prejudice (notice Feb. 29, 1940).

Re. 19,996. (See 1,319,448.)

Re. 20,339, D. H. Hill, Cleaner for oil burners, filed Oct. 11, 1939, D. C., S. D. Ill. (Quincy), Doc. 17–Q, *Globe American Corp.* v. *Brower Mfg. Co. et al.* No profits or damages to be recovered by plaintiff (notice Mar. 2, 1940).

Des. 94,298. (See 1,846,714.)

Adjudicated Patents

(D. C. N. Y.) Scharf patent, No. 1,719,785, for sewing machine, claims 1, 2, and 15 to 18 *Held* valid but not infringed. *Scharf* v. *Weinfeld & Kahn*, 31 F. Supp. 689.

(D. C. N. Y.) Scharf patent, No. 1,727,908, for sewing machine, claim 42 *Held* valid and infringed. *Id.*

(D. C. N. Y.) Scharf patent, No. 1,798,110, for method of making umbrellas, claims 2 to 7 *Held* valid and infringed. *Id.*

(C. C. A. Okla.) Brown patent, No. 1,924,976, for centrifugal casting machine, claim 2 *Held* valid but not infringed. *Haynes Stellite Co.* v. *Osage Metal Co.*, 110 F.(2d) 11.

(C. C. A. Okla.) Brown patent, No. 1,962,705, for centrifugal casting, claims 1, 2, and 4 *Held* valid but not infringed. *Id.*

(D. C. N. Y.) Scharf patent, No. 1,994,406, for machine for sewing fabric to umbrella tips, claims 1 to 3, 6, 10, and 11 *Held* valid and infringed. *Scharf* v. *Weinfeld & Kahn*, 31 F. Supp. 689.

(D. C. Pa.) Weber patent, No. 1,998,599, for lid mounting for cedar chests, *Held* invalid. *West Branch Novelty Co.* v. *Bloom*, 31 F. Supp. 673.

(D. C. Pa.) Jungersen patent, No. 2,118,468, for method of casting articles of intricate design and a product thereof, *Held* valid. *Jungersen* v. *Morris Kaysen Co.*, 31 F. Supp. 703.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,071,196, E. E. Burger and A. W. Hull, Glass-to-metal seal, decided April 19, 1940, claims 4, 5, 6, 7, and 8.

Pat. 2,105,905, S. M. Day, Automatic block signaling system for railroads, decided March 28, 1940, claim 1.

Pat. 2,122,077, A. L. Wall, Roofing construction, decided March 28, 1940, claims 1 and 2.

Disclaimer Correction

2,115,960.—*Hans Friedrich Lindeke*, Martinez, Calif. METHOD OF TREATING MINERAL OILS. Patent dated May 3, 1938. Disclaimer filed March 25, 1940, by the assignee, *Shell Development Company*.

Attention has been called to an error in the disclaimer in this patent published in O. G. April 16, 1940, namely, for the words "Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, and 9 of said Letters Patent," read

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, and 9 of said Letters Patent, and hereby disclaims from the scope of claims 8 and 11 all processes for separating mixtures in which the mixture is not fractionated to separate it into a plurality of cuts of narrower boiling ranges with a solvent selective chiefly as to molecular size.

Disclaimers

1,846,550.—*Christian Gottwald*, Cleveland, Ohio. PIPE SUPPORT FOR USE WITH CONDUITS. Patent dated February 23, 1932. Disclaimer filed April 18, 1940, by the assignee, *The Ric-Will Company*, and the inventor.

Hereby disclaim from claims 8 and 9 any pipe supporting device in which the base of the support does not project beyond the conduit, together with its base drain, to receive its support beyond the limits of these elements.

1,908,524.—*Carl J. Malm* and *Arne Andersen*, Rochester, N. Y. PROCESS FOR PRODUCTION OF LOW VISCOSITY CELLULOSE ACETATE. Patent dated May 9, 1933. Disclaimer filed April 18, 1940, by the assignee, *Eastman Kodak Company*.

Hereby enters this disclaimer to claims 1, 2, 6, and 7 of said Letters Patent.

2,071,196.—*Emmett E. Burger* and *Albert W. Hull*, Schenectady, N. Y. GLASS-TO-METAL SEALS. Patent dated February 16, 1937. Disclaimer filed April 18, 1940, by the assignee, *General Electric Company*.

Hereby enters this disclaimer of claims 4, 5, 6, 7, and 8 of said patent.

2,127,474.—*Franklin S. Smith*, New Haven, Conn. METHOD AND APPARATUS FOR DRYING. Patent dated August 16, 1938. Disclaimer filed April 13, 1940, by the assignee, *F. J. Stokes Machine Company*.

Hereby disclaims the subject matter of each of claims 1, 2, 4, 5, 6, 7, and 9 of said Letters Patent.

2,144,061.—*John C. Hewitt, Jr.* and *Vivian Edward Kuster*, Long Beach, Calif. MEANS TO ORIENT A TOOL IN A WELL. Patent dated January 17, 1939. Disclaimer filed April 18, 1940, by the assignee, *Sperry-Sun Well Surveying Company*.

Hereby enters this disclaimer to claims 1, 2, and 3 of said Letters Patent.

2,154,162.—*John C. Hewitt, Jr.* and *Vivian Edward Kuster*, Long Beach, Calif. MEANS TO ORIENT TOOLS IN A WELL. Patent dated April 11, 1939. Disclaimer filed April 18, 1940, by the assignee, *Sperry-Sun Well Surveying Company*.

Hereby enters this disclaimer to claims 1, 2, 3, and 7 of said Letters Patent.

2,177,759.—*Warren R. Walker*, Short Hills, N. J. CENTRIFUGAL SWITCH. Patent dated October 31, 1939. Disclaimer filed April 20, 1940, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 1 and 2 of said patent.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 14, 1940

[VOL. 514. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 422,465. COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE, INC., Ithaca, N. Y. Filed Aug. 10, 1939.

KEM-FEE TREATED

The word "Treated" is disclaimed apart from the mark.

For Seed—Namely, Field Seed, Vegetable Seed, and Flower Seed.

Claims use since July 1, 1935.

Ser. No. 426,481. CARWORTH FARMS, INC., New York, N. Y. Filed Dec. 12, 1939.



For Laboratory Animals Consisting of White Mice, Guinea Pigs, Ferrets, Rabbits, and Cavies.

Claims use since May 10, 1939.

Ser. No. 426,621. THE AMHALITE COMPANY, New York, N. Y. Filed Dec. 15, 1939.

Amhalite

For Cement-Like Composition Used in the Manufacture of Ash Trays, Desk Sets, and Other Novelty Articles.

Claims use since Oct. 23, 1939.

Ser. No. 428,401. THE NEVILLE COMPANY, Neville Island, Pittsburgh, Pa. Filed Feb. 9, 1940.

CYRENE

For Thermoplastic Resins Comprising Hydrocarbon Polymers.

Claims use since Dec. 6, 1939.

Ser. No. 429,717. HANS REES' SONS, INC., New York, N. Y. Filed Mar. 18, 1940.

CHRO-FLEX

For Leather.

Claims use since Jan. 2, 1940.

Ser. No. 429,790. A. H. ROSS & SONS CO., Chicago, Ill. Filed Mar. 20, 1940.

Kleenette

For Leather.

Claims use since Nov. 25, 1939.

Ser. No. 429,915. PENNSYLVANIA INDUSTRIAL CHEMICAL CORPORATION, Clairton, Pa. Filed Mar. 23, 1940.

PICCOLYTE

For Hydrocarbon Resins.

Claims use since Jan. 30, 1940.

Ser. No. 429,916. PENNSYLVANIA INDUSTRIAL CHEMICAL CORPORATION, Clairton, Pa. Filed Mar. 23, 1940.

PICCOUMARON

For Hydrocarbon Resins.

Claims use since Jan. 30, 1940.

CLASS 2

Receptacles

Ser. No. 428,068. THE DOBECKMUN COMPANY, Cleveland, Ohio. Filed Jan. 31, 1940.

PRIS-O-MATIC

For Merchandise Bags Made of Sheet or Web Materials Comprising Transparent Films, Paper, Laminated Paper and Film, Laminated Paper and Foil, Laminated Paper and Fabric, and Laminated Film and Foil.
Claims use since Dec. 1, 1939.

Ser. No. 428,452. THE VISKING CORPORATION, Chicago, Ill. Filed Feb. 10, 1940.

"ZEPHYR"

For Artificial Sausage Casings Made of Cellulose.
Claims use since Jan. 9, 1940.

Ser. No. 429,851. GRANT PAPER BOX COMPANY, Pittsburgh, Pa. Filed Mar. 22, 1940.

TREDONIA

For Cartons Used in the Packaging of Goods, Wares, and Merchandise.
Claims use since Aug. 29, 1934.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 424,627. THE PATENT CEREALS COMPANY, Geneva, N. Y. Filed Oct. 17, 1939.

Sunseal

For Cleaner and Cleanser for General Household and Laundry Use.
Claims use since Sept. 22, 1939.

Ser. No. 428,057. J. K. SMIT & SONS, INC., New York, N. Y. Filed Jan. 30, 1940.

SECONET

For Abrasive Discs—Namely, Diamond Wheels, Diamond Peripheral Wheels, Diamond Cup Wheels, and Flare Cut and Dish Diamond Wheels.
Claims use since Jan. 23, 1940.

Ser. No. 428,699. MAXIMAX CORPORATION, Chicago, Ill. Filed Feb. 19, 1940.

The Tally

For Medicated Soap, Detergent Soap, Hand Soap, and Shaving Soap.
Claims use since Dec. 9, 1939.

CLASS 5

Adhesives

Ser. No. 429,579. TOP-NOTCH PRODUCTS CO., Glendale, N. Y. Filed Mar. 14, 1940.

"TOP-NOTCH"

For Glue.
Claims use since Jan. 25, 1940.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 413,952. RAY LILLIE, doing business as Lillie Merchandising Company, Iowa City, Iowa. Filed Dec. 17, 1938.

LCO

For Scouring Crystals Embodying a Combination of Sal Soda and Bluing, Laundry Sour with Antiseptic and Germicidal Qualities.
Claims use since Dec. 1, 1937.

Ser. No. 421,646. CHARLES DUQUETTE, doing business as Pharmacie Montreal, Montreal, Quebec, Canada. Filed July 17, 1939.

U-NO

For Anti-Enuretic, Calcium and Vitamin A, Haliver Liver Oil in Capsules, Cod Liver Oil in Capsules, Nasal Cream, Digestall, Digestives, Spirits of Camphor, Fruit Salin, Glycerine, Glycerine and Rosewater, Camphored Oil, Pure Cod Liver Oil, Russian Oil, Wintergreen Oil, Hpyogleinol, Iso-Propyl Alcohol, Laxatixes, Magnesia Milk, Vichy Lemonade, Liniment, Malt and Cod Liver Oil, Boric Acid Ointment, Pile Ointment, Healing Ointment, Menthol Ointment, Mustard Ointment, Sulphur Ointment, Zinc Ointment, Cough Drops, Pastilles, Worm Lozenges, Kidney Pills, Digestive Powder, Vichy Salt, Bronchial Syrup, Cocillana Syrup, White Pine Syrup, Skin Balm, Milk Sugar, Iron and Yeast, Sodamints, Papain and Bile Salts, Potassium and Permanganate, Iodine, Tonic for Children, Analgesic Balm, Cascara Tablets, Beef, Iron and Wine, Spirits of Ammonia, Soda Mint and Papain, Sodium Perborate Powder, Sodium Perborate Crystalline, Sulphur Sublimed, Cream of Tartar, Rochelle Salts, Camphorated Chalk, Antacid Powder, Precipitated Chalk, Epsom Salts, Linseed Meal, Senna Leaves, Borax Powder, Licorice Powder, Soda Bicarbonate, Powdered Alum, Citric Acid, Saltpeter, Athletes' Liniment, Tincture Quinine Ammoniated, Iodine Colorless, Calamine Lotion, Tincture Benzoin Compound, Acetone, Ephredine Inhalant, Cleansing Cream and Cold Cream.
Claims use since Sept. 10, 1929.

Ser. No. 423,993. SAM. FARRUGGIA, doing business as Capitol Chemical Company, Chicago, Ill. Filed Sept. 25, 1939.

CAPITOL



For Water Softener and a Bleach Having Incidental Cleansing Properties.
Claims use since January, 1937.

Ser. No. 424,361. OTTO MIHALY, Budapest, Hungary. Filed Oct. 9, 1939.

Automenth

For Toothpowder.
Clams use since September, 1931.

Ser. No. 424,606. SOCIETY DES USINES CHIMIQUES RHONE-POULENC, Paris, France. Filed Oct. 16, 1939.

RHÔNE — POULENC

The term "Rhone" is disclaimed apart from the mark.
For Chemical Products Used in Photography, Tanning Materials, Chemical Products Used in the Manufacture of Plastic Materials, Chemical Products Used in the Manufacture of Coloring Matters for Use in the Textile Industry and in the Manufacture of Dyeing, Bleaching, Dressing and Printing Materials, Also Chemical Products Used in the Manufacture of India-Rubber, in Refrigerating Devices, Fire Extinguishers, Ceramic, Glass, Crystal and Enameling Industries, in Antiseptics, Insecticides and Fungicides, and in Medical Preparations.
Claims use since May 27, 1937.

Ser. No. 426,544. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Dec. 13, 1939.

Cyrestrone

For Estrogenic Preparations for the Treatment of Infantile Gonorrheal Vaginitis and Deficiencies of the Ovarian Estrogenic Hormone, Including Functional Amenorrhea and Dysmenorrhea and Menopausal Disturbances.
Claims use since Nov. 9, 1939.

Ser. No. 426,545. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Dec. 13, 1939.

NALUTRON

For Brand of Progesterone for the Treatment of Deficiencies of the Corpus Luteum Hormone, Including Functional Dysmenorrhea, Threatened and Habitual Abortion, Menorrhagia and Metrorrhagia.
Claims use since Oct. 31, 1939.

Ser. No. 427,173. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 5, 1940.

Mobil

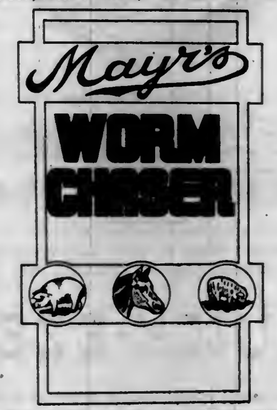
For Cleaning Composition for Automobile Radiators, a Composition for Sealing Leaks in Radiators, a Composition for Preventing Corrosion in Engine-Cooling Systems, a Lubricant for Rubber Shackles Containing No Oil or Grease, and Hydraulic Brake Fluids.
Claims use since Oct. 1, 1934.

Ser. No. 427,317. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Jan. 10, 1940.

IVAGEN

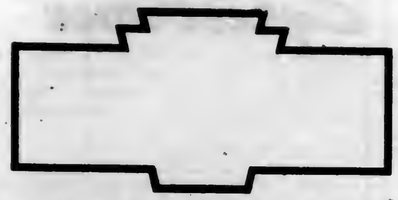
For Systemic Preparations for the Diagnosis, and for the Prevention, and for the Treatment of Hypersensitivity to Specific Toxins, Whether for External or Internal Administration, Including Also Preparations for Diagnosis, for Prevention, for Treatment of Poison Ivy and Poison Oak Infections.
Claims use since Nov. 21, 1939.

Ser. No. 428,397. I. K. MAYR, doing business as Mayr's Seed & Feed, Beaver Dam, Wis. Filed Feb. 9, 1940.



For Medicinal Preparation for Exterminating Worms and Other Parasites in Domestic Animals.
Claims use since June 21, 1939.

Ser. No. 428,404. THE NEVILLE COMPANY, Neville Island, Pittsburgh, Pa. Filed Feb. 9, 1940.



For Heavy Oils Used Largely as Plasticizers and Produced in Polymerization of the Polymerizable Constituents of Crude Solvent Naphtha, and Modified Grades of Such Heavy Oils; Coal Tar Products Including Benzol, Toluol, Xylol, Creosote Oils, Wood Preservative Oils, Naphthalene, and Disinfectant Oils; Pine Oil Disinfectants; Resinous Media for Mounting Histological and the Like Specimens for Microscopic Examination; Weed Killers; Paper Lacquers; Resin Oils Used as Solvents and Plasticizers, Resin Solutions of General Utility for Compositions Requiring Resins.

Claims use since November, 1938.

Ser. No. 428,461. CLARENCE H. CLARK, doing business as Toothfoam Company, San Francisco, Calif. Filed Feb. 12, 1940.

TOOTHFOAM

For Liquid Tooth Cleanser.
Claims use since Feb. 6, 1940.

Ser. No. 428,602. THE ANDROMACHUS CORPORATION, New York, N. Y. Filed Feb. 16, 1940.



The portrait is that of Andromachus who was a physician of Nero, the Roman Emperor.

For Halibut Liver Oil, Tonic Preparations for Stimulating Digestive Processes of the Human Body, Laxatives, Vitamin Capsules.

Claims use since March, 1931.

Ser. No. 428,846. VERA P. WILLIAMS, doing business as The C. I. Togstad Company, Kokomo, Ind. Filed Feb. 23, 1940.

QUICK·EZE

For Foot Preparations—Namely, Foot Salve, Foot Balm, Foot Powder, and Medicated Foot Pads for Corns and Callouses.

Claims use since Aug. 14, 1939.

Ser. No. 428,916. EMMA JO HOAL, Fort Worth, Tex. Filed Feb. 26, 1940.

PY-ROID

For Salve Used in the Treatment of Hemorrhoids.
Claims use since Jan. 19, 1939.

Ser. No. 428,948. B. W. S. COMPANY, INC., Jersey City, N. J. Filed Feb. 27, 1940.

ARANGE RUB

The word "Rub" is disclaimed.

For Liniment for the Relief of Simple Neuralgia, Muscular Aches or Pains When Due to Exposure or Fatigue.
Claims use since June 15, 1937.

Ser. No. 429,118. GOLF AND LAWN SUPPLY CORPORATION, Scarsdale, N. Y. Filed Mar. 2, 1940.

LEDOGRUB

For Preparation for the Control of Japanese and Asiatic Beetle Grubs in Lawns.
Claims use since January, 1939.

Ser. No. 429,119. KARL MALLARD, doing business as A. E. Mallard, Detroit, Mich. Filed Mar. 2, 1940.

Hormogen-S No. 1

A. P. L.

For Medicinal Preparation—Viz., Anterior Pituitary Sex Hormone for Intramuscular Use.
Claims use since Nov. 29, 1937.

Ser. No. 429,136. G. D. SEARLE & CO., Chicago, Ill. Filed Mar. 2, 1940.

Bismogen

For Gastrointestinal Astringent for Use as an Adjunct in the Treatment of Diarrhea and Acute Gastrointestinal Inflammations.
Claims use since March, 1929.

Ser. No. 429,137. G. D. SEARLE & CO., Chicago, Ill. Filed Mar. 2, 1940.

Iotanagen

For Astringent Preparation Useful as a Surgical Dressing in the Treatment of Burns, Wounds, and Infected Cavities, as a Spray or Swab for Application to the Nose and Throat, as a Rectal Instillation or as a Vaginal Tamponade.
Claims use since January, 1927.

Ser. No. 429,154. ZONITE PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 2, 1940.

ZONI

For Antiseptic Jelly.
Claims use since Feb. 1, 1940.

Ser. No. 429,251. ALBERT L. CHANEY, doing business as The Albert L. Chaney Laboratory, Glendale, Calif. Filed Mar. 6, 1940.

merforana

For Chlormercuriphenol.
Claims use since Dec. 9, 1939.

Ser. No. 429,279. SHARPE & DOHME, INCORPORATED, Philadelphia, Pa. Filed Mar. 6, 1940.

LYOVAC

For Biologically Active Substances of Animal and Vegetable Origin for Human and Veterinary Use Typified by Bacterial Cultures, Vaccines, Sera, Viruses, Glandular Products and Extracts Thereof, Protein Solutions, Animal Organs and Extracts of Animal Organs and Other Substances of Related Origin, Also Labile Pharmaceutical Preparations in Lyophilized Form, and Also Chemotherapeutic Substances and Preparations in Lyophilized Form, said Biologically Active Substances, Labile Pharmaceutical Preparations and Labile Chemotherapeutic Substances and Preparations Being for Internal and Also for External Application Being Useful as Acidifiers, Alkalinizers, Alteratives, Analgesics, Anesthetics, Anodynes, Antacids, Anthelmintics, Antiasthmatics, Antiemetics, Antileutics, Antimalarials, Antineuritic Agents, Antipellagric Agents, Antiperiodics, Antipruritics, Antipyretics, Antirachitic Agents, Antirheumatics, Antiscabious Agents, Antiscorbutic Agents, Antiseptics, Antispasmodics, Antisyphilitics, Astringents, Cardiac Stimulants, Cathartics, Chemotherapeutic Agents, Cholagogues, Circulatory Depressants, Counter-Irritants, Diaphoretics, Dietary Supplements, Digestants, Diuretics, Ecbolics, Emmenagogues, Emollients, Endocrine Products, Expectorants, Fungicides, Germicides, Glandular Stimulants, Gonococcides, Hematinics, Hematopoietics, Hemorrhoidal Agents, Hemostatics, Hepatic Stimulants, Hypnotics, Incontinence Agents, Intestinal Antiseptics, Keratolytic Agents, Laxatives, Milk Modifiers, Nasal Medicaments, Nutrients, Opotherapics, Ophthalmic Agents, Organo-Therapeutics, Oxytocics, Parasiticides, Rubifacients, Sclerosing Agents, Sedatives, Stomachics, Tonics, Urinary Antiseptics, Urinary Acidifiers, Urinary Alkalinizers, Uterine Sedatives, Vasoconstrictors, Vasodilators, and Vitamin Preparations.

Claims use since Feb. 5, 1940.

Ser. No. 429,374. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 8, 1940.

RED PUNCH

The word "Red" is disclaimed apart from the mark.

For Enamel Adapted for Coating Finger Nails and Lipsticks.

Claims use since Feb. 21, 1940.

Ser. No. 429,394. ANGEL PASHOS BROWN, Endicott, N. Y. Filed Mar. 9, 1940.

ZA-HOY

For Pile Ointment.
Claims use since Aug. 16, 1939.

Ser. No. 429,408. BOLESLAW R. KOZLOWSKI, doing business as Three Star Medicine Co., Chicago, Ill. Filed Mar. 9, 1940.

THREE STAR

★★★

For Preparation Designed to Alleviate Simple Pains in the Stomach and Bowels.
Claims use since June 1, 1901.

Ser. No. 429,457. RUMFORD CHEMICAL WORKS, Rumford, R. I. Filed Mar. 11, 1940.

QUADRAFOS

For Sodium Tetraphosphate ($Na_6P_4O_{13}$).
Claims use since Jan. 15, 1940.

Ser. No. 429,510. BABS CREATIONS, INC., New York, N. Y. Filed Mar. 13, 1940.

Forever Yours

For Perfumes, Face Powder, Lipsticks, Face Creams, Lotions, and Hair Tonics.
Claims use since Feb. 15, 1940.

Ser. No. 429,525. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Mar. 13, 1940.

MECHLING'S

For Insecticides and Fungicides, a Spray Compound for Improving the Distribution of Insecticidal and Fungicidal Sprays, a Spray for Livestock, Deodorant and Disinfectant Materials, Washing and Laundry Blue, Sodium Silicate, Sal Soda, Lime, Trisodium Phosphate, Sulfur and Calcium Chloride.

Claims use to said insecticides and fungicides since 1900; to said washing and laundry blue since 1908; to said sodium silicate since 1920; to said spray compound, deodorant and disinfectant materials, sal soda and sulfur since 1925; to said livestock spray, trisodium phosphate and lime since 1930; and to said calcium chloride since 1937.

Ser. No. 429,608. FANNIE PAGE FOX, doing business as Sure Laboratories, Chicago, Ill. Filed Mar. 15, 1940.

BEE BEES

For Breath Purifiers.
Claims use since Sept. 18, 1939.

Ser. No. 429,664. EDWARD D. O'CONNELL, doing business as Cardinal Insecticide Company, Philadelphia, Pa. Filed Mar. 16, 1940.



CARDINAL

For Insecticides.
Claims use since Mar. 4, 1940.

Ser. No. 429,894. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Mar. 23, 1940.

GREEN-LEAF

For Parasiticides Used on Vegetation.
Claims use since Mar. 15, 1940.

Ser. No. 429,986. LENTHERIC, INCORPORATED, New York, N. Y. Filed Mar. 26, 1940.

JEUNE FILLE

For Perfumes and Cosmetic Creams.
Claims use since Mar. 13, 1940.

Ser. No. 430,213. THE BENET DRUG CORPORATION, Cincinnati, Ohio. Filed Apr. 1, 1940.

GRAT-AVEK

For Therapeutic Preparation Useful in the Treatment of Scabies.
Claims use since Nov. 9, 1939.

Ser. No. 430,325. LUCIEN LELONG, INC., Chicago, Ill. Filed Apr. 3, 1940.

TAILSPIN

For Perfume.
Claims use since Mar. 22, 1940.

Ser. No. 430,363. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Apr. 4, 1940.

PRAGMAGEN

For Medicinal Preparation for Use in the Treatment of Dermatological Conditions.
Claims use since Mar. 27, 1940.

Ser. No. 430,364. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Apr. 4, 1940.

PRAGMASUL

For Medicinal Preparation for Use in the Treatment of Dermatological Conditions.
Claims use since Mar. 27, 1940.

Ser. No. 430,365. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Apr. 4, 1940.

PRAGMATAR

For Medicinal Preparation for Use in the Treatment of Dermatological Conditions.
Claims use since Mar. 27, 1940.

CLASS 12

Construction Materials

Ser. No. 418,990. SHALLOW WATER REFINING CO., Scott City, Kans. Filed May 2, 1939.



For Roofing Asphalt.
Claims use since January, 1939.

Sef. No. 421,679. UNITED CO-OPERATIVES, INC., Indianapolis, Ind. Filed July 17, 1939.



"Quality Steel" and "Roofing" are disclaimed except as part of the mark shown.
For Metal Roofing, Metal Stalls and Stanchions, Composition Roofing, and Shingles.
Claims use since June 15, 1939.

Ser. No. 422,515. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Filed Aug. 11, 1939. Under the act of February 20, 1905, as amended June 10, 1938.



For Lumber, Asphalt, Paving Blocks, Building Paper, Lime, Cement, Composition Flooring, Roofing Paper, Asbestos Shingles, Wood Shingles, Composition Siding, Metal Roofing, Doors and Frames, Windows, Sash and Frames, Wooden Shutters, Metal Shutters, Wood Lath, Metal Lath, Building Brick, Fire Brick, Building Felt, Tarred Felt, Weatherstripping, Pipe Covering, Tile Pipe, Wall Tile, Insulating and Sound Proofing Paper, Metal Ceilings, Rock Wool Insulating, Storm Windows and Doors, Wallboard, Metal Shelving, Metal Shutters, Wooden Posts and Gates, and Metal Roof Gutters, Rain Pipe and Spouting.
Claims use since December, 1929.

Ser. No. 427,176. SPHINX-TONE, INC., Washington, D. C. Filed Jan. 5, 1940.

"SPHINXSTONE"

For Acoustical Tiles and Mixtures of Materials to be Used in Their Manufacture.
Claims use since Dec. 14, 1939.

Ser. No. 427,711. THE INSULITE COMPANY, Minneapolis, Minn. Filed Jan. 22, 1940.

INSULITE



"Forest Products" is disclaimed apart from the mark.
For Sound Deadening Board and Block, Sound Absorbing Board and Block, Acoustical Correction Board, Tile and Blocks, Fiber Board, Plain and Waterproofed, Pressed Board, Blocks and Panels; Plain, Waterproof and Tempered, Mineral Wool in the Form of Batts, Loose, Granular, Roof Insulation, Refrigerator Insulation, Coated Fibre Board, Plaster Base.
Claims use since Jan. 2, 1940.

Ser. No. 428,454. WEST COAST LUMBERMEN'S ASSOCIATION, Seattle, Wash. Filed Feb. 10, 1940. Under the act of February 20, 1905, as amended June 10, 1938.



For Douglas Fir Lumber, and Timbers.
Claims use since Aug. 1, 1939.

Ser. No. 428,782. EDWARD B. WESTLAKE, JR., Upper Darby, Pa. Filed Feb. 21, 1940.

EAV-TEX

Applicant disclaims the representation of the goods apart from the mark.
For Roof Gutter Protectors.
Claims use since Jan. 8, 1940.

Ser. No. 429,245. JOHN GUY BRITTON, Lansdowne, Pa. Filed Mar. 6, 1940.

SOUNDCOR

For Sound Absorbent Plastic Material, in Dry, Liquid, and Rigidly Set Forms.
Claims use since July 11, 1938.

Ser. No. 429,433. CROMATILE ASSOCIATES, INC., Grand Rapids, Mich. Filed Mar. 11, 1940.

CROMATILE

For Cement Building Blocks.
Claims use since Jan. 5, 1940.

Ser. No. 429,656. THE INSULITE COMPANY, Minneapolis, Minn. Filed Mar. 16, 1940.



TERMITOX

For Vegetable Fiber Board, Block and the Like.
Claims use since June, 1938.

Ser. No. 429,735. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Mar. 19, 1940.

TRANCELL

For Panel Assemblies, Doors, Partitions, and the Like.
Claims use since Dec. 8, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 427,110. THE NATIONAL MACHINERY COMPANY, Tiffin, Ohio. Filed Jan. 3, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

DEX

For Bolts and Screws.
Claims use since June 1, 1936.

Ser. No. 427,111. THE NATIONAL MACHINERY COMPANY, Tiffin, Ohio. Filed Jan. 3, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

DEXBOLT

For Bolts.
Claims use since June 1, 1936.

Ser. No. 427,112. THE NATIONAL MACHINERY COMPANY, Tiffin, Ohio. Filed Jan. 3, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

DEXSCREW

For Screws.
Claims use since June 1, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 429,081. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Filed Mar. 1, 1940.

CHAMET

For Non-Ferrous Metal Sheets, Rods, Wire, and Welding-Rods.
Claims use on non-ferrous welding-rods since Mar. 21, 1930; on non-ferrous metal rods since Apr. 22, 1930; on non-ferrous metal sheets since Jan. 16, 1940; and on non-ferrous metal wire since Jan. 24, 1940.

Ser. No. 429,603. THE EIMCO CORPORATION, Salt Lake City, Utah. Filed Mar. 18, 1940.

CUMOCROME

For Alloy Steel Castings.
Claims use since Aug. 1, 1939.

CLASS 15

Oils and Greases

Ser. No. 414,048. TIDE WATER ASSOCIATED OIL COMPANY, San Francisco, Calif. Filed Dec. 20, 1938.



Applicant disclaims the words "Diesel", "Engine", and "Lubricant" apart from the mark.
For Lubricating Oil for Motor Diesel Engines.
Claims use since Oct. 18, 1938.

Ser. No. 422,518. THE OHIO OIL COMPANY, Findlay, Ohio. Filed Aug. 11, 1939.



No claim is made to the words "Best in the Long Run" apart from the mark.
For Motor Oil, Kerosene, Fuel Oil, Lubricating Oils and Greases.
Claims use since July 19, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 427,353. WILSON-IMPERIAL COMPANY, Newark, N. J. Filed Jan. 11, 1940.

WILCO-SEAL

The word "Seal" is disclaimed apart from the mark.
For Sealing and Polishing Preparation for Wood Floors, Wood Trim, Various Types of Floor Coverings Such as Linoleums, Terrazzo, and the Like.
Claims use since August, 1938.

Ser. No. 428,797. M. A. BRUDER & SONS, Philadelphia, Pa. Filed Feb. 23, 1940.

MAB

For Paste and Ready Mixed Paints, Porch and Deck Enamels, Paint Enamels, Flat Wall Paints, Varnish Floor Finishes, Aluminum Paints, House and Barn Paints, Interior Paint, Spar Varnish, Prepared Shellacs, Polishing Wax, Paint and Varnish Remover, Japan Dryers, Bronzing Liquid, Casein Paints, Undercoaters, Rubbing Varnish, Varnish Stain, Colors in Oil, Aluminum Spar Varnish, and One-Hour-Dry Auto Enamel.
Claims use since March, 1933.

Ser. No. 429,595. W. H. BARBER COMPANY, Minneapolis, Minn. Filed Mar. 15, 1940.

Arosol

For Solvents Used in the Manufacture of Paints, Lacquers, Enamels, and Similar Products.
Claims use since Dec. 19, 1939.

Ser. No. 430,052. WILSON-IMPERIAL COMPANY, Newark, N. J. Filed Mar. 27, 1940.

WILCO-LUSTRE

The word "Lustre" is disclaimed apart from the mark.
For Polishing Preparation for Wood Floors, Wood Trim, Various Types of Floor Coverings Such as Linoleums, Terrazzo, and the Like.
Claims use since August, 1938.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 400,465. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Dec. 4, 1937.



Applicant disclaims the representation of electric bulbs apart from the mark.
For Electric Lamps or Bulbs.
Claims use since November, 1933.

Ser. No. 403,337. STANDARD TELEPHONES AND CABLES, LIMITED, London, England. Filed Feb. 23, 1938.

SUPERSTYREX

For Stabilized Purified Monomeric Styrene, and Purified Polymeric Styrene Dissolved in Benzene Used in Electrical Insulating Compounds.
Claims use since July 26, 1937.

Ser. No. 413,230. NATIONAL ELECTRIC PRODUCTS CORPORATION, Pittsburgh, Pa. Filed Nov. 28, 1938.

"NEPCO-SEAL"

Applicant disclaims the word "Seal" except as shown.
For Rubber-Covered Electrical Conductors and Cables, Particularly Adapted for Use in Moist Locations.
Claims use since Sept. 1, 1938.

Ser. No. 416,119. STABILOVOLT G. M. B. H., Berlin, Germany. Filed Feb. 16, 1939.



For Stabilized Current Supplies for Radio and Television Apparatus, Such as Glow Gap Dividers, Ballast Lamp Resistances, Choking Coils, Etc., Electric Discharge Tubes; Potentiometers.
Claims use since January, 1930.

Ser. No. 421,665. MILWAUKEE GAS SPECIALTY COMPANY, Milwaukee, Wis. Filed July 17, 1939.

BASO

For Automatic Thermoelectric Gas Pilot Burner Controls.
Claims use since June 26, 1936.

Ser. No. 422,445. ALFRED J. HORTENAU, INC., New York, N. Y. Filed Aug. 9, 1939.



No claim is made to the disinfector plate representation apart from the mark.
For Telephone Mouth-Piece Disinfector Plate.
Claims use since May 2, 1939.

Ser. No. 422,539. ELEKTROTECHNISCHE FABRIK SCHMIDT & CO. G. M. B. H., Berlin, Germany. Filed Aug. 12, 1939.

POKER

For Electric Pocket Lamps, Electric Torches, Electric Batteries, and Electric Incandescent Lamps.
Claims use since September, 1935.

Ser. No. 423,238. SPEER CARBON COMPANY, Saint Marys, Pa. Filed Sept. 1, 1939.

SPEER MULTIFLEX

For Carbon Brushes.
Claims use since Sept. 20, 1938.

Ser. No. 423,239. SPEER CARBON COMPANY, Saint Marys, Pa. Filed Sept. 1, 1939.

SPEER TRANSERT

For Carbon Brushes.
Claims use since Sept. 20, 1938.

Ser. No. 429,634. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Mar. 15, 1940.

Radiorgan

For Radio and Television Receiving Sets and Parts Thereof.
Claims use since Mar. 8, 1940.

Ser. No. 429,654. GRAVINER MANUFACTURING COMPANY LIMITED, London, England. Filed Mar. 16, 1940.

GRAVINER

For Electric Switches (Ordinary) and Parts of Electric Switches Made of Ordinary Metal.
Claims use since Nov. 29, 1933.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 417,700. MCDONOUGH AND GOLDSHLAG, Peekskill, N. Y. Filed Mar. 31, 1939.

Screen Sgues

For Question and Answer Game Consisting of Films for Projecting Photographed Items and Questions Relating Thereto, and Printed Cards Bearing Thereon Duplicates of Such Items and Questions Relating Thereto and to be Used for Writing or Otherwise Noting Thereon Answers to Such Questions.
Claims use since July 10, 1938.

Ser. No. 426,608. WALT DISNEY PRODUCTIONS, Hollywood, Calif. Filed Dec. 15, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

PINOCCHIO

For Game, Similar to the Old Game of "Pin the Tail on the Donkey."
Claims use since Sept. 1, 1939.

Ser. No. 426,727. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Dec. 19, 1939.

BAMBI

A Merry Game for Little Folks

The words "Game for Little Folks" is disclaimed apart from the mark.
For Table Game Having Movable Playing Pieces.
Claims use since Nov. 1, 1939.

Ser. No. 428,804. ELECTRIC GAME CO., Holyoke, Mass. Filed Feb. 23, 1940.

Zero Plus

For Mathematical Game Employing Numbered Discs.
Claims use since Jan. 22, 1940.

Ser. No. 428,980. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Feb. 28, 1940.

TREASURE HUNT

For Board Game Played With Movable Pieces.
Claims use since Jan. 15, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 414,377. THERMAL ENGINEERING CORPORATION, Richmond, Va., assignor to Thermal Research Corporation, Richmond, Va., a corporation of Virginia. Filed Dec. 30, 1938.

THERMO-ROTO

For Food Machinery Designed for Sterilization, Pasteurization, Cooking, Heating, and Cooling of Food Products Such as Fruit and Vegetable Juices in Closed Containers.
Claims use since Sept. 16, 1937.

Ser. No. 423,231. REMINGTON RAND INC., Buffalo, N. Y. Filed Sept. 1, 1939.

ONE STROKE

For Electric Dry Shavers.
Claims use since June 9, 1939.

Ser. No. 426,325. BOUND BROOK OIL-LESS BEARING COMPANY, Bound Brook, N. J. Filed Dec. 7, 1939.

POWDIRON

For Machinery Bearings, Bushings for a Mechanical Working Joint, and Machine Parts, Including Pistons, Valve Stem Guides, Porous Metal Plugs, Toggle Pins, Filter Elements, Slides, Gears, Porous Metal Rings, End Plates, Thrust Washers, Porous Metal Retainers, and Similar Parts of Porous Metal for Bearing Surfaces.
Claims use since Oct. 1, 1938.

Ser. No. 427,191. HARRY C. CANINE, doing business as The HK9 Company, Kentland, Ind. Filed Jan. 6, 1940.

HK9

For Device for Dispensing Plastic and Semi-Fluid or Solid Materials Such as Grease, Paste, Lard, Cake Batter, Dough, and Analogous Substances.
Claims use since June 15, 1939.

Ser. No. 428,818. NATIONAL SILVER COMPANY, New York, N. Y. Filed Feb. 23, 1940.

Federal Cutlery Company

For Kitchen Knives, Spoons, and Forks, Table Knives, Grapefruit Knives, Paring Knives, Utility Knives, Carving Knives, Pie Servers, Salad Spoons and Forks, Cold Meat Forks, Tea Spoons, Dessert Spoons, Table Spoons, Coffee Spoons, Dinner Knives, Dessert Knives, Butter Spreaders, Fish Knives, Dinner Forks, Dessert Forks, Oyster Forks, Sugar Spoons, Cold Meat Fork, Butter Knife, Gravy Ladle, Pastry Server, and Fish Server, of Unplated Base Alloy, or Stainless Steel.
Claims use since Aug. 10, 1931.

Ser. No. 429,776. MAGAZINE REPEATING RAZOR COMPANY, New York, N. Y. Filed Mar. 20, 1940.

S. H. K.

For Razors and Razor Blades.
Claims use since Mar. 18, 1940.

Ser. No. 429,777. MAGAZINE REPEATING RAZOR COMPANY, New York, N. Y. Filed Mar. 20, 1940.

Sir Henry

For Razors and Razor Blades.
Claims use since Mar. 18, 1940.

Ser. No. 429,778. MAGAZINE REPEATING RAZOR COMPANY, New York, N. Y. Filed Mar. 20, 1940.

Sir John

For Razors and Razor Blades.
Claims use since Mar. 18, 1940.

Ser. No. 429,779. MAGAZINE REPEATING RAZOR COMPANY, New York, N. Y. Filed Mar. 20, 1940.

SIR RICHARD

For Razors and Razor Blades.
Claims use since Mar. 18, 1940.

Ser. No. 429,780. MAGAZINE REPEATING RAZOR COMPANY, New York, N. Y. Filed Mar. 20, 1940.

Sir Roger

For Razors and Razor Blades.
Claims use since Mar. 18, 1940.

Ser. No. 429,785. JOHN OSTER MANUFACTURING COMPANY, Racine, Wis. Filed Mar. 20, 1940.

The Original Progienic

For Hair Clippers, and Parts Thereof.
Claims use since February, 1938.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 425,206. MICROVOLTS, INCORPORATED, Boonton, N. J. Filed Nov. 3, 1939.

For Measuring and Scientific Appliances—Namely, Radio Frequency Signal Generators for Measurement Purposes, Noise Measuring Meters, Field Strength Meters, Radio Bridge Measuring Instruments, Inductance Measuring Meters, Reactance Measuring Meters, Resistance Standards, Capacity Standards, Radio and Vacuum Tube Voltmeters, and Radio Analyzers.
Claims use since May 1, 1939.

Ser. No. 429,557. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Mar. 14, 1940.

ORKON

For Ophthalmic Lenses.
Claims use since Feb. 26, 1940.

Ser. No. 429,593. AMERICAN SPECTACLE CO., INC., New York, N. Y. Filed Mar. 15, 1940.

PIXIES

For Spectacles and Goggles and Lenses Therefor.
Claims use since Jan. 31, 1940.

CLASS 27

Horological Instruments

Ser. No. 429,662. THE LUX CLOCK MANUFACTURING COMPANY, Waterbury, Conn. Filed Mar. 16, 1940.

TOWN HALL

For Clocks.
Claims use since Dec. 1, 1939.

Ser. No. 429,667. KARL PLEPLA, New York, N. Y. Filed Mar. 16, 1940.

FLYTIMER

For Clocks and Watches.
Claims use since Feb. 24, 1940.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 427,724. OSCAR S. SCHAFFNER, Chicago, Ill. Filed Jan. 22, 1940.

Blue Star

The word "Blue" is disclaimed apart from the mark.
For Diamond Rings.
Claims use since Jan. 16, 1940.

Ser. No. 428,073. GEMEX COMPANY, Newark, N. J. Filed Jan. 31, 1940.

GOLD SEAL

For Watch Bracelets, Watch Straps, Watch Attachments, Neck Chains, Watch Chains, Bracelets, Scarf Pins, Belt Buckles, Ear Ornaments, Hair Ornaments All of the Foregoing Made in Whole or in Part of Precious Metal or Plated with Same.
Claims use since Jan. 11, 1940.

Ser. No. 429,611. JOSEPH L. HERZOG & CO., New York, N. Y. Filed Mar. 15, 1940.

DIAMONETTE

For Finger Rings.
Claims use since June 1, 1938.

Ser. No. 429,938. HYMAN FRACKMAN, doing business as Alsan Carved Wedding Ring Co., New York, N. Y. Filed Mar. 25, 1940.

FOREVER YOURS

For Precious Metal Finger Rings.
Claims use since Mar. 19, 1940.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 429,017. UNITED CO-OPERATIVES, INC., Indianapolis, Ind. Filed Feb. 28, 1940.

QUALITY UNICO PRODUCTS

"Quality Products" is disclaimed except as part of the mark shown.
For Stable Brooms and Brushes.
Claims use since Nov. 15, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 429,683. CHESTERFIELD SPRING PRODUCTS INC., New York, N. Y. Filed Mar. 18, 1940.

KNAP KOT

No claim is made to the words "Knap Kot" apart from the mark.
For Foldable and Portable Cots.
Claims use since Jan. 26, 1940.

CLASS 33

Glassware

Ser. No. 410,604. SAMUEL C. MILLER, doing business as Tube Light Engineering Company, New York, N. Y. Filed Sept. 15, 1938.

LITE-TENSITY

Disclaimer is made of the word "Lite" apart from the mark.
For Neon Sign Glass Tubing.
Claims use since Aug. 8, 1938.

Ser No. 429,573. PHILIP MANFROID, doing business as Monoglass Ware Co., New York, N. Y. Filed Mar. 14, 1940.

MONOGLASS

For Drinking Glasses, Glass Tumblers, Glass Containers in the Shape of Tumblers, Cups, Saucers, Cocktail Shakers, Glass plates, Bowls, Dishes, Glass Trays, Pepper and Salt Shakers, Rods and Tubing, Vases, Condiment Jars, Mixing Bowls, Food Packing Jars, Bottles, Jugs and Cosmetic Jars.
Claims use since Sept. 24, 1931.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 428,607. CHRYSLER CORPORATION, Highland Park, Mich., and Dayton, Ohio. Filed Feb. 16, 1940.

AIRTEMP

For Refrigerant Condensing Units for Air Conditioning, Comprising a Refrigerant Compressor, the Refrigerant Compressor Driving Means, and the Refrigerant Condenser Connected in Refrigerant Flow Relationship with the Refrigerant Compressor, Gas Fired Boilers, Oil Fired Boilers, Gas Fired Warm Air Furnaces, Oil Fired Warm Air Furnaces, Coal Fired Warm Air Furnaces, Oil Burners, and Evaporative Condensers.
Claims use on refrigerant condensing units since Sept. 18, 1934; on gas fired boilers since Oct. 30, 1935; on oil fired boilers since Oct. 29, 1935; on gas fired warm air furnaces since July 23, 1936; on oil fired warm air furnaces since May 27, 1936; on coal fired warm air furnaces since Jan. 15, 1940; on oil burners since Oct. 24, 1935; and on evaporative condensers since Sept. 30, 1936.

Ser. No. 429,255. CORNING GLASS WORKS, Corning, N. Y. Filed Mar. 6, 1940.

MONAX

For Glass Globes, Shades, Bowls, Flat Glass, and Reflectors for Illumination.
Claims use since Mar. 4, 1915.

Ser. No. 429,529. THE INSTITUTE OF BOILER AND RADIATOR MANUFACTURERS, New York, N. Y. Filed Mar. 13, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

I=B=R

For Steam and Hot Water Boilers and Radiators.
Claims use since Dec. 1, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 429,551. AARON MEYEROWITZ, New York, N. Y. Filed Mar. 13, 1940.

EMERSON

SUPER MASTER

No claim is made to the word "Emerson" apart from the mark.
For Automobile Tires.
Claims use since Feb. 19, 1940.

Ser. No. 429,846. CRANE PACKING COMPANY, Chicago, Ill. Filed Mar. 22, 1940.

HYDRO FLAX

The word "Flax" is disclaimed apart from the mark.
For Flexible Fabric Packing of Braided Hemp, Flax, Jute, and Cotton.
Claims use since September, 1938.

CLASS 37

Paper and Stationery

Ser. No. 428,717. EASTERN CORPORATION, Brewer, Maine. Filed Feb. 17, 1940.

HURRICANE WRAPPING

The word "Wrapping" is disclaimed apart from the mark.
For Wrapping Paper.
Claims use since Dec. 15, 1939.

Ser. No. 429,792. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa. Filed Mar. 20, 1940.

TUCKAWAY

For Fountain Pens, Pencils, and Ensemble Sets of Fountain Pens and Pencils.
Claims use since Mar. 4, 1940.

CLASS 38

Prints and Publications

Ser. No. 426,862. MCLOUGHLIN BROS., INC., Springfield, Mass. Filed Dec. 23, 1939.

Busy-Box

The word "Box" is disclaimed apart from the mark.
For Box of Children's Assorted Books Published From Time to Time.
Claims use since Dec. 15, 1939.

Ser. No. 428,032. GENERAL DRAFTING CO., INC., New York, N. Y. Filed Jan. 30, 1940.



For Maps and Publications Containing Tour and Travel Information.
Claims use since Dec. 29, 1931.

Ser. No. 428,356. THE JEFFERSON PUBLISHING CO., Steubenville, Ohio. Filed Feb. 8, 1940.



The words "Christmas Club" are disclaimed as used apart from the mark.
For Payment Cards for Issuance to and Use by Members of a Christmas Savings Club Sold as Such.
Claims use since Jan. 31, 1940.

Ser. No. 428,520. SANFORD R. COWAN, New York, N. Y. Filed Feb. 13, 1940.

Radio
SERVICE-DEALER
SOUNDMAN & JOBBER

For Monthly Publication Relating to Radio Servicing.
Claims use since Feb. 6, 1940.

Ser. No. 428,735. PASADENA PLAYHOUSE ASSOCIATION, Pasadena, Calif. Filed Feb. 20, 1940.

Pasadena PLAYHOUSE NEWS

Applicant disclaims the word "Pasadena" apart from the mark.
For Periodical Publication.
Claims use since July 1, 1925.

Ser. No. 429,109. ALBERT VAN SAND, New York, N. Y. Filed Mar. 1, 1940.

NORDLYSET

For Weekly Newspaper Publication.
Claims use since July, 1926.

Ser. No. 429,190. BERNARD H. NORDMANN, St. Louis, Mo. Filed Mar. 4, 1940.

Neighborhood News

For Newspapers Published Weekly.
Claims use since November, 1923.

Ser. No. 429,302. GARTNER & BENDER, INC., Chicago, Ill. Filed Mar. 7, 1940.

GOLDEN BELL

For Greeting Cards.
Claims use since Jan. 25, 1940.

Ser. No. 429,407. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Mar. 9, 1940.

CONFUCIUS SAY:

For Newspaper Section.
Claims use since Feb. 26, 1940.

Ser. No. 429,422. SPORTS AFIELD PUBLISHING COMPANY, Minneapolis, Minn., Mount Morris and Chicago, Ill., and New York, N. Y. Filed Mar. 9, 1940.

Fishing ANNUAL

For Periodical.
Claims use since May 4, 1934.

Ser. No. 429,460. SPORTS AFIELD PUBLISHING COMPANY, Minneapolis, Minn, Mount Morris and Chicago, Ill., and New York, N. Y. Filed Mar. 11, 1940.

Hunting ANNUAL

For Periodical.
Claims use since Oct. 18, 1934.

Ser. No. 429,631. TRUESDAIL LABORATORIES, INCORPORATED, Los Angeles, Calif. Filed Mar. 15, 1940.

Chemistry in ACTION

For Printed House Organ, Published Bimonthly.
Claims use since February, 1939.

CLASS 39

Clothing

Ser. No. 424,401. MOCK, JUDSON, VOEHRINGER COMPANY OF NEW YORK, INC., Long Island City, N. Y. Filed Oct. 10, 1939.

Limber-Top

The word "Top" is disclaimed apart from the mark.
For Hosiery.
Claims use since Sept. 22, 1939.

Ser. No. 426,564. DURAND SHOE CO., Richmond, Maine. Filed Dec. 14, 1939.

Cream of Comfort

ARCH SUPPORT

No claim is made for the words "Arch Support" or "Comfort" except as shown.
For Shoes Made of Leather, Combinations of Leather and Fabric, and Combinations of Leather, Fabric, and Rubber.
Claims use since March, 1928.

Ser. No. 427,640. RELIANCE MANUFACTURING COMPANY, doing business as The Sterling Company, Chicago, Ill. Filed Jan. 19, 1940.

Ensenada Suits

No claim is made to the word "Suits".
For Men's, Women's, and Children's Slacks, Shirts, and Slack Suits.
Claims use since June 1, 1938.

Ser. No. 428,484. THOMAS H. HUMPHREYS, Chattanooga, Tenn. Filed Feb. 12, 1940.



For Men's and Boys' Sweaters, Outer Shirts, Jerseys, and Coats.
Claims use since Nov. 25, 1935.

Ser. No. 429,101. MARSHALL, MEADOWS & STEWART, INC. Auburn, N. Y. Filed Mar. 1, 1940.

SPUNKEZ

For Women's Shoes Made From Leather, Fabric, and Elasticized Material Having a Latex Rubber Base, and a Combination of These Materials.
Claims use since September, 1934.

Ser. No. 429,185. KRUMHOLZ & LICHTBLAU, doing business as KelRay Knitting Mills, New York, N. Y. Filed Mar. 4, 1940.

KELS

For Ladies', Misses', and Children's Panties, Step-Ins, Bandeaus, Vests, Slips, Night Gowns, Chemises, Bloomers, and Pajamas.
Claims use since Feb. 15, 1940.

Ser. No. 429,270. FREDERICK LOESER, & Co., INC, Brooklyn, N. Y. Filed Mar. 6, 1940.

R ROCK-TEX

For Outer Shirts.
Claims use since Feb. 18, 1939.

Ser. No. 429,308. THE KELLER-KOHN Co., Cleveland, Ohio. Filed Mar. 7, 1940.

Petite Lady

For Men's and Women's Coats and Suits.
Claims use since Feb. 1, 1940.

Ser. No. 429,323. MAX ROSENFELD, Brooklyn, N. Y. Filed Mar. 7, 1940.

GRENNOCK TWISTS

No claim is made to the word "Twists" apart from the mark.
For Men's Coats and Suits and Ladies' Coats, Suits, and Dresses.
Claims use since Feb. 15, 1940.

Ser. No. 429,332. FARIBAULT WOOLEN MILL COMPANY, Faribault, Minn. Filed Mar. 7, 1940.

POLAR PAWS FARIBO

For Woolen Gloves, Mittens, and Slippers.
Claims use since Jan. 20, 1940.

Ser. No. 429,362. PHILIP KRONFELD, INC., New York, N. Y. Filed Mar. 8, 1940.



For Clothing for the Use of Men and Young Men, More Particularly Described as Overcoats, Sport Coats, Suits, Dress Suits, Pants, and Vests.
Claims use since 1934.

Ser. No. 429,469. CLIFF FROCKS, INC., New York, N. Y. Filed March 12, 1940.

Peak of Youth

For Ladies', Misses', and Children's Dresses, Coats, and Suits.
Claims use since Sept. 4, 1939.

Ser. No. 429,515. DAVID CRYSTAL INC., New York, N. Y. Filed March 13, 1940.

CORN HUSKERS

For Ladies' and Misses' Dresses, Dress Ensembles, Consisting of Dress and Coat.
Claims use since February, 1940.

Ser. No. 429,607. EAGLE CLOTHES, New York, N. Y. Filed Mar. 15, 1940.

COUGAR

For Overcoats, Topcoats, and Suits for Men and Young Men.
Claims use since Mar. 12, 1940.

Ser. No. 429,725. WELLS-LAMONT-SMITH CORPORATION, Chicago, Ill. Filed Mar. 18, 1940.

MEMBER OF THE MULE FAMILY

For Work Gloves of Combined Leather and Fabric.
Claims use since Jan. 15, 1940.

Ser. No. 429,877. GEORGE E. TENNISON, Cincinnati, Ohio. Filed Mar. 22, 1940.

"CINCY"

For Apparel Belts.
Claims use since Nov. 22, 1938.

Ser. No. 429,893. BRIAN FABRICS CORPORATION, New York, N. Y. Filed Mar. 23, 1940.

Gloria Jean

For Scarfs Made of Cotton, Rayon, Silk, Wool, and Combinations of These Materials.
Claims use since Feb. 16, 1940.

Ser. No. 429,925. ALTMAN NECKWEAR CORP., New York, N. Y. Filed Mar. 25, 1940.

REV-L-O

For Men's and Boys' Neckties.
Claims use since July 1, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 416,984. SUPER-TONE, INC., Wilmington, Del. Filed Mar. 14, 1939.

Super Tone Finish Permanent

No claim is made to the words "Finish" and "Permanent" apart from the mark.
For Cotton, Wool, Silk, and Rayon Piece Goods and Mixtures of Same.
Claims use since July 17, 1937.

Ser. No. 417,796. BURGESS, LEDWARD & COMPANY, LIMITED, Manchester, England. Filed Apr. 3, 1939.

DURO

For Textile Fabrics in the Piece Made of Cotton for Dress Fabrics and Shirts.
Claims use since May, 1919.

Ser. No. 426,985. NATIONAL FABRICS CORPORATION, New York, N. Y. Filed Dec. 29, 1939.



Applicant disclaims the term "Angel Skin" except as shown.
For Textile Fabrics in the Piece—Namely, Silk Fabrics, Rayon Fabrics, Fabrics Consisting of a Mixture of Rayon and Silk, and Cotton, Woolen, or Linen Fabrics.
Claims use since Jan. 1, 1936.

Ser. No. 427,891. GIMBEL BROTHERS, INC., New York, N. Y. Filed Jan. 26, 1940.

GREYMOOR

For Muslin and Percale Sheets and Pillow Cases; Cotton Terry Towels and Wash Clothes; Linen and Cotton Dish Towels and Dish Cloths; Cotton, Wool and Part Wool Blankets; Auto Robes Made of Textile Fabrics; All Types of Comforters, Coverlets, Mattress Covers, Blanket Covers Made of Textile Fabrics, Mattress Protectors Made of Textile Fabrics; and Silk, Cotton and Velvet Piece Goods.
Claims use since Jan. 15, 1940.

Ser. No. 428,852. AMERICAN BEMBERG CORPORATION, New York, N. Y. Filed Feb. 24, 1940.

BEMRAY

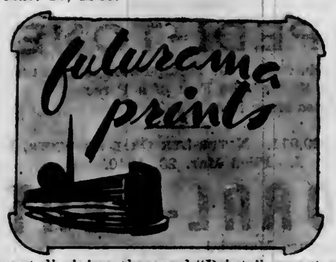
For Piece Goods Composed Wholly or in Part of Yarn of Artificial Origin.
Claims use since Feb. 14, 1940.

Ser. No. 429,155. AMERICAN BEMBERG CORPORATION, New York, N. Y. Filed Mar. 4, 1940.

Star Breeze

For Piece Goods Composed Wholly or in Part of Yarn of Artificial Origin.
Claims use since Feb. 8, 1940.

Ser. No. 429,761. JOSEPH BERLINGER CO., New York, N. Y. Filed Mar. 20, 1940.



Applicant disclaims the word "Prints" except as shown.
For Piece Goods Consisting in Whole or in Part of Pure or Weighted Silk, Rayon, Synthetic Yarn, or Wool.
Claims use since Mar. 14, 1940.

Ser. No. 429,875. TABIN-PICKER & COMPANY, Chicago, Ill. Filed Mar. 22, 1940.

"Shadowdelle"

For Rayon Piece Goods.
Claims use since Nov. 1, 1939.

Ser. No. 430,170. ALEO MILLS, INC., New York, N. Y. Filed Mar. 30, 1940.

SNUGGLESPUN

For Cotton and/or Rayon Piece Goods.
Claims use since Mar. 25, 1940.

Ser. No. 430,201. WELLS FABRIC CO. INC., New York, N. Y. Filed Mar. 30, 1940.



For Silk, Cotton, Rayon, Satin, Woolen Piece Goods.
Claims use since Jan. 2, 1940.

CLASS 43

Thread and Yarn

Ser. No. 429,372. PATONS & BALDWINS, LIMITED, Halifax, England. Filed Mar. 8, 1940.

P & B

For Yarns of Wool, Worsted, or Hair.
Claims use since 1932.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 428,062. ELLIS ARNDT AND MAX SINGERMAN, New York, N. Y. Filed Jan. 31, 1940.

PEDI-TONE

For Mechanical Foot Manipulator Apparatus for Massaging the Sole of the Foot of a Person.
Claims use since Dec. 1, 1939.

Ser. No. 429,911. NATUR-LYK ORAL PRODUCTS, INC., New York, N. Y. Filed Mar. 23, 1940.

ORAL-DENT

For Denture Material.
Claims use since Mar. 6, 1940.

Ser. No. 430,005. AUSTENAL LABORATORIES, INC., New York, N. Y. Filed Mar. 25, 1940.



For Swaged Metal Denture Bases, as Well as Various Forms of Wires and Wire Products Such as Lingual Bars, Palatal Bars, Ready-Made Clasps, Occlusal Surfaces and Other Appliances Used in the Making of Prosthetic as Well as Orthodontic Appliances.
Claims use since Dec. 15, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 429,814. CARLOS IPPOLITO, Galveston, Tex. Filed Mar. 21, 1940.

Ippy

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Jan. 1, 1938.

Ser. No. 429,874. DR. SWETT'S ROOT BEER COMPANY, INC., Jersey City, N. J. Filed Mar. 22, 1940. Under 10-year proviso.

Dr. Swett's

For Root Beer.
Claims use since 1845.

Ser. No. 430,113. WAUKESHA TANG-HI COMPANY, Waukesha, Wis. Filed Mar. 28, 1940.



For Nonalcoholic Maltless Beverages.
Claims use since Dec. 26, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 409,830. ROCKY MOUNTAIN HONEY COMPANY, Salt Lake City, Utah. Filed Aug. 22, 1938.



The applicant is the owner of trade-mark registration No. 360,176. No claim is made to the wording apart from the mark.
For Honey.
Claims use since Dec. 10, 1935.

Ser. No. 418,120. STANDARD SYNTHETICS, INC., New York, N. Y. Filed Apr. 11, 1939.

"Leonardo Vinci"

The trade-mark is the name of the famous Italian sculptor, painter, and architect, who died in 1519.
For Oil of Lemon, Orange, Bergamot, and Mandarin for Flavoring Candles.
Claims use since May 15, 1938.

Ser. No. 420,843. ARTICHOKES, LTD., Campbell, Calif. Filed June 23, 1939.

PONY

For Canned Hearts of Artichokes, Artichoke Cream Pulp, and Bread.
Claims use since Dec. 13, 1938, on bread; and since Aug. 20, 1937, on rest of goods.

Ser. No. 420,979. THRIFTY DRUG STORES CO., INC., Los Angeles, Calif. Filed June 26, 1939.

Thrifty

For Ready-to-Serve Foods—Namely, Ice Cream, Sandwiches, Crackers.
Claims use since May 21, 1931.

Ser. No. 425,394. R. U. DELAPENHA & CO. INC., New York, N. Y. Filed Nov. 8, 1939.



The name "Crispi" is the name of a celebrated Italian statesman now deceased.
For Olive Oil.
Claims use since Apr. 18, 1914.

Ser. No. 426,340. GENEVIEVE G. LUND, doing business as All-Up Co., Glendale, Calif. Filed Dec. 7, 1939.

ALL UP

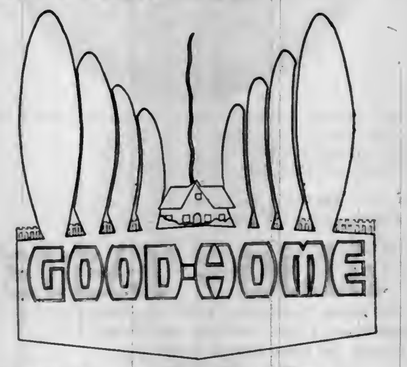
For Mineral Vitamin Food Supplement in Tablet Form, Consisting of Compressed Vegetables.
Claims use since Nov. 22, 1939.

Ser. No. 426,756. BALLARD & BALLARD COMPANY, INCORPORATED, Louisville, Ky. Filed Dec. 20, 1939.

OBELITE

Applicant is the owner of prior registrations No. 29,791 dated Apr. 6, 1897, No. 59,302 dated Jan. 8, 1907, and No. 73,103 dated Mar. 16, 1909.
For Flour—Namely, Self-Rising Flour.
Claims use since Dec. 13, 1939.

Ser. No. 427,727. STILLWATER MILLING COMPANY, Stillwater, Okla. Filed Jan. 22, 1940.



For Wheat Flour and Whole Wheat Flour.
Claims use since Mar. 1, 1919.

Ser. No. 427,740. MARY DODGE, Studio City, Calif. Filed Jan. 19, 1940.

Choc-Co-Pops

No claim is made to the word "Pops" except as shown.
For Chocolate Coated Popcorn and Popped Cereals.
Claims use since May, 1939.

Ser. No. 427,933. FISHERMAN'S GROTTO, San Francisco, Calif. Filed Jan. 27, 1940.

Craburger
The Sea Sanwich

The word "Sanwich" is disclaimed apart from the mark.
For Crab Sandwiches.
Claims use since June 17, 1939.

Ser. No. 428,074. GEORGE N. GRAF, doing business as George N. Graf Co., New York, N. Y. Filed Jan. 31, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

Silhouette

For Bread.
Claims use since Nov. 22, 1939.

Ser. No. 428,478. GOLDEN BEAR COOKIE CO., INC., Long Island City, N. Y. Filed Feb. 12, 1940.



All wording except applicant's corporate name is disclaimed apart from the mark.
For Assorted Cookies.
Claims use since Nov. 14, 1938.

Ser. No. 428,504. RIKIMARU BROS. AND COMPANY, Los Angeles, Calif. Filed Feb. 12, 1940.

KING of TASTE

For Fresh Vegetables, Fresh Deciduous Fruits, Fresh Cantaloupes, Fresh Avocados, and Fresh Berries.
Claims use since Feb. 6, 1940.

Ser. No. 429,022. WALLACE H. STROWD, Nashville, Tenn. Filed Feb. 16, 1940.

BI-CAP

For Product Composed of Wheat Germ and Other Ingredients, to be Mixed With White Flour and Other Baking Preparations.
Claims use since Feb. 7, 1940.

Ser. No. 429,031. ALBERT L. ANDERSON, doing business as Man-E-Mor Coffee Co., Chicago, Ill., and Oskosh, Wis. Filed Feb. 29, 1940.



No claim is made to the word "Coffee" apart from the mark. The drawing is lined for red and dotted for gold.
For Coffee.
Claims use since Dec. 13, 1939.

Ser. No. 429,218. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Mar. 5, 1940.

ARGOSE

For Corn Syrup With High Content of Sugars.
Claims use since Feb. 19, 1940.

Ser. No. 429,256. ED-TEX CITRUS CORPORATION, Edinburg, Tex. Filed Mar. 6, 1940.

Pink Lady

For Fruit Juices for Food Purposes.
Claims use since Feb. 28, 1940.

Ser. No. 429,305. HOLMSTROM-PILCHER COMPANY, Joliet, Ill. Filed Mar. 7, 1940.

ARMORY

For Canned Fruits, Canned Vegetables, Canned Fish, Canned Sauer Kraut, Canned Pumpkin, Canned Berries, Canned Hominy, Mustard, Tomato Catsup, and Food Flavoring Extracts.
Claims use since 1913.

Ser. No. 429,312. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Mar. 7, 1940.

RAISANA

For Bakery Products—Namely, Biscuit.
Claims use since Nov. 23, 1931.

Ser. No. 429,322. RAVARINO & FRESCHI, INC., St. Louis, Mo. Filed Mar. 7, 1940.

ZOOP

For Noodle Soup Mix.
Claims use since Jan. 15, 1939.

Ser. No. 429,521. ENRICH PRODUCTS CO., INC., New York, N. Y. Filed Mar. 13, 1940.

VITALETS

For Candy.
Claims use since Aug. 1, 1939.

Ser. No. 429,522. FRUIT GROWERS SERVICE CO., Fresno, Calif. Filed Mar. 13, 1940.

REDBANKS
GOLD MEDAL

For Fresh Vegetables, Fresh Citrus Fruit, Fresh Grapes.
Claims use since 1915.

Ser. No. 429,638. A. AAROE & SON, Soledad, Calif. Filed Mar. 16, 1940.



No claim is made to the words "Brand" and "Coast Grown" apart from the mark.
For Fresh Vegetables—Namely, Onions.
Claims use since January, 1939.

Ser. No. 429,680. M. O. BEST, doing business at M. O. Best Co., Phoenix, Ariz., and El Centro, Calif. Filed Mar. 18, 1940.

CREED

For Fresh Vegetables.
Claims use since Dec. 1, 1939.

Ser. No. 429,771. THE GERMANTOWN MANUFACTURING COMPANY, Philadelphia, Pa. Filed Mar. 20, 1940.

PECTEX

For Stabilizer for Ice Creams, Sherbets, and Water-Ices.
Claims use since Feb. 2, 1939.

Ser. No. 429,772. W. G. GLASCOFF, Waupun, Wis. Filed Mar. 20, 1940.

GREENIES

For Canned Vegetables.
Claims use since Feb. 16, 1940.

Ser. No. 429,787. THE POTATO CHIP CORPORATION OF AMERICA, Cato, N. Y. Filed Mar. 20, 1940.

Sky Top

For Potato Chips.
Claims use since Feb. 26, 1940.

Ser. No. 429,817. JOHN MACKINTOSH & SONS LTD., INC., Boston, Mass. Filed Mar. 21, 1940.

Ringsway

For Candy.
Claims use since 1932.

Ser. No. 429,829. LIZZIE B. SCHUENEMAN, doing business as Shuholz Chocolate Shop, Philadelphia, Pa. Filed Mar. 21, 1940.

Shuholz



The word "Dresden" is disclaimed apart from the mark.
For Candy.
Claims use since Mar. 11, 1911.

CLASS 47
Wines

Ser. No. 429,295. B. CRIBARI & SONS, New York, N. Y. Filed Mar. 7, 1940.

COAST TO COAST

For Wines—Namely, Port, Sherry, Muscatel, Sauterne, Burgundy, Claret, Chablis, Riesling, Angelico, Tokay, Zinfandel, and Barbera.
Claims use since July 17, 1934.

CLASS 48
Malt Beverages and Liquors

Ser. No. 428,351. CHILL-FOAM CORPORATION OF AMERICA, INC., Detroit, Mich. Filed Feb. 8, 1940.

DRAFT-ORIZE

For Non-Alcoholic Extract for Beer.
Claims use since Dec. 20, 1939.

Ser. No. 430,175. CENTRAL BREWING CO., INC., Jersey City, N. J. Filed Mar. 30, 1940.



For Beer, Ales, and Porter.
Claims use since June 15, 1914.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 428,762. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn. Filed Feb. 21, 1940.

Courtesy Club

The word "Club" is disclaimed apart from the mark.
For Whiskey.
Claims use since Jan. 22, 1940.

Ser. No. 429,104. OLD COLONEL DISTILLERY, Louisville, Ky. Filed Mar. 1, 1940.

Pride OF Louisville

The word "Louisville" is disclaimed apart from the mark.
For Whiskey.
Claims use since August, 1934.

Ser. No. 429,132. MID-VALLEY DISTILLING CORPORATION, Archbald, Pa. Filed Mar. 2, 1940. Under 10-year proviso.

McHENRY

For Whiskey.
Claims use since 1812.

Ser. No. 429,739. MID-VALLEY DISTILLING CORPORATION, Archbald, Pa. Filed Mar. 19, 1940.

Bruce McHenry

The mark consists of the signature of Bruce McHenry, applicant's distiller.
For Whiskey and Gin.
Claims use since May, 1939.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 429,707. J. W. JOHNSON COMPANY, Chicago, Ill. Filed Mar. 18, 1940.

KOOLHOME

For Awnings and Awning Material.
Claims use since May 1, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 14, 1940

377,684. BRASSIÈRES. SAMUELS-KLEINER, LTD., Los Angeles, Calif., assignor, by mesne assignments, to Sam Samuels, Los Angeles, Calif.
Filed October 31, 1934. Serial No. 357,745. PUBLISHED DECEMBER 19, 1939. Class 39.

377,685. METALLIC PISTON RINGS. CONTINENTAL PISTON RING COMPANY, Memphis, Tenn.
Filed November 18, 1936. Serial No. 385,661. PUBLISHED MARCH 5, 1940. Class 35.

377,686. PROTECTIVE HATS, HELMETS, AND CAPS. E. D. BULLARD COMPANY, San Francisco, Calif.
Filed September 27, 1937. Serial No. 397,837. PUBLISHED MARCH 5, 1940. Class 39.

377,687. HAIR REMOVING DEVICES—NAMELY, ELECTRICALLY OPERATED INSTRUMENTS FOR SHAVING AND FOR REMOVING HAIR FROM THE BODY; RAZORS, RAZOR BLADES, SAFETY RAZORS, SAFETY RAZOR BLADES, METAL SAFETY RAZOR FRAMES, MECHANICAL STROPPERS FOR SAFETY RAZOR BLADES. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y.
Filed October 5, 1937. Serial No. 398,141. PUBLISHED MARCH 5, 1940. Class 23.

377,688. FERTILIZERS OF VARIOUS MIXTURES. TENNESSEE CORPORATION, New York, N. Y.
Filed November 9, 1937. Serial No. 399,637. PUBLISHED FEBRUARY 27, 1940. Class 10.

377,689. METAL CLEANING MATERIAL MORE SPECIFICALLY PREPARATION FOR CLEANING SILVER. MARIE R. MILLER, doing business as The Walter W. Miller Company, Indianapolis, Ind.
Filed April 11, 1938. Serial No. 405,126. PUBLISHED MARCH 5, 1940. Class 4.

377,690. ELECTRICAL GOODS—NAMELY, RESISTANCES, CONDENSERS, COILS, CHOKES, RELAYS, FILTERS, CRYSTALS, ETC. TELEFUNKEN GESELLSCHAFT FÜR DRAHTLOSE TELEGRAPHIE m. b. H., Berlin, Germany.
Filed April 11, 1938. Serial No. 405,140. PUBLISHED MARCH 5, 1940. Class 21.

377,691. TELEVISION RECEIVERS AND COMPONENT PARTS. AMERICAN TELEVISION CORPORATION, New York, N. Y.
Filed August 12, 1938. Serial No. 409,499. PUBLISHED MARCH 5, 1940. Class 21.

377,692. PUFFED CORN STARCHY CEREALS AND CONFECTIONS MADE BY COATING THE SAME WITH A FLAVORING, SEASONING, SWEETENING, OR EDIBLE MATERIAL. KORN KURLS CO., Beloit, Wis.
Filed August 29, 1938. Serial No. 410,081. PUBLISHED FEBRUARY 7, 1939. Class 46.

377,693. COMMERCIAL FERTILIZERS. SOIL CONSERVATION AND CHEMICAL COMPANY, Denver, Colo.
Filed October 17, 1938. Serial No. 411,716. PUBLISHED DECEMBER 20, 1938. Class 10.

377,694. MEN'S AND BOYS' NECKTIES. MAX DOMBROWSKY, doing business as Imperial Neckwear Co., New York, N. Y.
Filed October 24, 1938. Serial No. 411,988. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,695. RADIO RECEIVING SETS, CONTROL UNITS FOR CONTROLLING THE OPERATION, AND PARTS THEREOF, AND DRY BATTERIES. PHILCO RADIO AND TELEVISION CORPORATION, Philadelphia, Pa.
Filed November 17, 1938. Serial No. 412,865. PUBLISHED MARCH 5, 1940. Class 21.

377,696. RADIO RECEIVING SETS, CONTROL UNITS FOR CONTROLLING THE OPERATION THEREOF, AND PARTS THEREOF. PHILCO RADIO AND TELEVISION CORPORATION, Philadelphia, Pa.
Filed November 17, 1938. Serial No. 412,866. PUBLISHED MARCH 5, 1940. Class 21.

377,697. REFRIGERATOR BAGS MADE OF GENUINE OIL SILK. S. H. KRESS AND COMPANY, New York, N. Y.
Filed November 18, 1938. Serial No. 412,911. PUBLISHED MARCH 5, 1940. Class 2.

377,698. ANTI-RUST STEEL, STEEL SHEETS, AND PLATES OF ANTI-RUST STEEL. DEUTSCHE RÖHRENWERKE AKTIENGESELLSCHAFT, Dusseldorf, Germany.
Filed December 16, 1938. Serial No. 413,898. PUBLISHED MARCH 5, 1940. Class 14.

377,699. BRASSIÈRES, BANDEAUX, CORSETS, CORSELETS, PANTIES, PANTIE-GIRDLES, GIRDLES, AND GARTER-BELTS. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y.
Filed December 2, 1938. Serial No. 413,414. PUBLISHED FEBRUARY 14, 1939. Class 39.

377,700. WINES. BARON LONG, doing business as The Biltmore Hotel, Los Angeles, Calif.
Filed January 17, 1939. Serial No. 414,918. PUBLISHED MARCH 5, 1940. Class 47.

377,701. WOMEN'S HATS. WARREN BERET INC., New York, N. Y.
Filed January 31, 1939. Serial No. 415,464. PUBLISHED MARCH 5, 1940. Class 39.

377,702. BOARD GAMES, AND THE ARTICLE IS NOT A PUPPET GAME. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed February 7, 1939. Serial No. 415,702. PUBLISHED SEPTEMBER 19, 1939. Class 22.

377,703. NECKTIES. H. C. COHN & CO., Rochester, N. Y.
Filed February 15, 1939. Serial No. 416,036. PUBLISHED MARCH 5, 1940. Class 39.

377,704. AIRPLANE CLOTH, BALLOON CLOTH, AND AIRCRAFT TAPES (I. E. NARROW FABRIC STRIPS OR TAPES USED FOR FINISHING SEAMS, ETC. IN AIRCRAFT MANUFACTURE). THURSTON CUTTING CORPORATION, New York, N. Y.
Filed March 8, 1939. Serial No. 416,820. PUBLISHED MARCH 5, 1940. Class 42.

377,705. BUTTER. KRAFT-PHENIX CHEESE CORPORATION, Chicago, Ill., now by change of name Kraft Cheese Company.
Filed March 31, 1939. Serial No. 417,694. PUBLISHED MARCH 5, 1940. Class 46.

377,706. BREWER'S RICE. ST. LOUIS RICE MILLING COMPANY, St. Louis, Mo.
Filed May 4, 1939. Serial No. 419,091. PUBLISHED JULY 18, 1939. Class 46.

377,707. MESH BAGS MADE FROM A BASE METAL. WHITING & DAVIS COMPANY, Plainville, Mass.
Filed May 5, 1939. Serial No. 419,132. PUBLISHED FEBRUARY 20, 1940. Class 3.

377,708. WOMEN'S AND MISSES' HOUSE DRESSES, APRONS, AND UNIFORMS FOR NURSES, MAIDS, AND WAITRESSES. HOOVER MANUFACTURING AND SALES COMPANY, New York, N. Y.
Filed May 22, 1939. Serial No. 419,667. PUBLISHED MARCH 5, 1940. Class 39.

377,709. SPATS. S. RAUH & COMPANY, New York, N. Y.
Filed June 14, 1939. Serial No. 420,498. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,710. PORT WINES. FEUERHEERD BROS. & COMPANHIA LIMITADA, Oporto, Portugal.
Filed June 20, 1939. Serial No. 420,715. PUBLISHED MARCH 5, 1940. Class 47.

377,711. TWIST DRILLS, SCREW THREAD TAPS AND SCREW CUTTING DIES; MILLING CUTTERS, REAMERS, BROACHES, ETC. COVENTRY GAUGE & TOOL CO. LTD., Fletchamstead, Coventry, England.
Filed July 19, 1939. Serial No. 421,730. PUBLISHED MARCH 5, 1940. Class 23.

377,712. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed July 21, 1939. Serial No. 421,817. PUBLISHED OCTOBER 17, 1939. Class 47.

377,713. LEATHER SUBSTITUTE COMPRISING A FLEXIBLE, ELASTIC, CHEMICALLY INERT MATERIAL IN SHEET OR STRIP FORM FOR USE IN THE MANUFACTURE OF BELTS, SUSPENDERS, GARTERS, PARACHUTE HARNESS, BRIEF CASES, AND OTHER ARTICLES USUALLY MADE OF LEATHER. S. BUCHSBAUM & COMPANY, Chicago, Ill.
Filed July 22, 1939. Serial No. 421,842. PUBLISHED MARCH 5, 1940. Class 50.

377,714. FUR COATS, FUR JACKETS, FUR SCARFS, FUR CAPES, AND FUR WRAPS. SAUL SALZBERG, INC., New York, N. Y.
Filed August 1, 1939. Serial No. 422,181. PUBLISHED MARCH 5, 1940. Class 39.

377,715. WOMEN'S HATS, MADE OF FELT, FABRIC, STRAW, AND LINEN, OR ANY COMBINATION THEREOF. M. & M. HAT CO. INC., New York, N. Y.
Filed August 11, 1939. Serial No. 422,513. PUBLISHED MARCH 5, 1940. Class 39.

377,716. KNITTED AND WOVEN GARMENTS—NAMELY, SKIRTS, SWEATERS, AND CARDIGANS. ECLIPSE KNITTING MILLS, INC., East Newark, N. J.
Filed August 23, 1939. Serial No. 422,895. PUBLISHED NOVEMBER 21, 1939. Class 39.

377,717. FRESH CITRUS FRUIT. M. C. BRITT PRODUCE COMPANY, Winter Garden, Fla.
Filed August 25, 1939. Serial No. 422,983. PUBLISHED OCTOBER 31, 1939. Class 46.

377,718. LADIES' GLOVES MADE OF LEATHER AND FABRIC. C. D. OSBORN CO., Chicago, Ill.
Filed August 28, 1939. Serial No. 423,068. PUBLISHED NOVEMBER 14, 1939. Class 39.

377,719. WRITING AND TYPEWRITING PAPER. MAJESTIC PAPER CORPORATION, New York, N. Y.
Filed August 29, 1939. Serial No. 423,105. PUBLISHED MARCH 5, 1940. Class 37.

377,720. CLEANSER IN POWDERED FORM HAVING INCIDENTAL WATER-SOFTENING PROPERTIES, FOR CLEANING RECEPTACLES AND CONTAINERS. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed August 30, 1939. Serial No. 423,131. PUBLISHED NOVEMBER 21, 1939. Class 4.

377,721. SKI-WAX AND OTHER SURFACE COATING AND TREATING MATERIALS AND PREPARATIONS FOR USE ON SKIS. JEAN DE TOLEDO, Geneva, Switzerland.
Filed September 13, 1939. Serial No. 423,555. PUBLISHED MARCH 5, 1940. Class 22.

377,722. BREAD. TRIANGLE FOOD STORES, INC., Hagerstown, Md.
Filed September 25, 1939. Serial No. 423,934. PUBLISHED MARCH 5, 1940. Class 46.

377,723. NEEDLES FOR HAND USE, ESPECIALLY NEEDLES COMMERCIALLY KNOWN AS TONG NEEDLES, EACH HAVING AN OPENING THROUGH THE WALL OF ITS EYE. RUDOLF ORTHWINE CORPORATION, New York, N. Y.
Filed September 29, 1939. Serial No. 424,058. PUBLISHED MARCH 5, 1940. Class 40.

377,724. HOSIERY, SCARFS, PANTIES, SLIPS, NIGHT GOWNS, PAJAMAS, VESTS, CHEMISE, AND BLOOMERS FOR WOMEN, AND UNDERWEAR INCLUDING SHIRTS, SHORTS, AND JOCKEY SHORTS, AND PAJAMAS FOR MEN. FERREL MERCHANDISERS, INC., Indianapolis, Ind.
Filed October 7, 1939. Serial No. 424,298. PUBLISHED MARCH 5, 1940. Class 39.

377,725. WRITING AND TYPEWRITING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed October 7, 1939. Serial No. 424,306. PUBLISHED MARCH 5, 1940. Class 37.

377,726. PADS FOR FURNITURE, SEAT-CUSHIONS, MATTRESSES, COUCHES, BOX-SPRINGS. BURTON-DIXIE CORPORATION, Chicago, Ill.
Filed October 16, 1939. Serial No. 424,574. PUBLISHED MARCH 5, 1940. Class 32.

377,727. CHAIR CUSHIONS. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio.
Filed October 16, 1939. Serial No. 424,578. PUBLISHED MARCH 5, 1940. Class 32.

377,728. COTTON, RAYON, OR WOOL PIECE GOODS IN A QUILL WEAVE. WEIL & SCHOENFELD FABRICS, INC., New York, N. Y.
Filed November 2, 1939. Serial No. 425,173. PUBLISHED MARCH 5, 1940. Class 42.

377,729. SPECTACLE OR EYE GLASS FRAMES AND MOUNTINGS. TAYLOR OPTICAL, INC., Detroit, Mich.
Filed November 3, 1939. Serial No. 425,210. PUBLISHED MARCH 5, 1940. Class 26.

377,730. BOYS', GIRLS', AND BABIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Filed November 4, 1939. Serial No. 425,216. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,731. EMERY CLOTH, EMERY WHEELS, SAND PAPER, STEEL WOOL, ABRASIVE POLISH, ABRASIVE POWDERS, ETC. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind.
Filed November 6, 1939. Serial No. 425,292. PUBLISHED FEBRUARY 27, 1940. Class 4.

377,732. PISTON RINGS. SEALED POWER CORPORATION, Muskegon, Mich.
Filed November 8, 1939. Serial No. 425,428. PUBLISHED MARCH 5, 1940. Class 35.

377,733. WOMEN'S AND MISSES' OUTERSKIRTS, JACKETS, BLOUSES, HATS, BATHING SUITS, SLIPS, SLEEPING AND LOUNGING PAJAMAS WRAPS, AND HANDKERCHIEFS. JACOB J. ROSE New York, N. Y.
Filed November 9, 1939. Serial No. 425,488. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,734. TOYS, I. E., A CYLINDRICAL ARTICLE HAVING INDICATIONS UPON EACH END THEREOF, AND POINTERS PIVOTALLY ARRANGED UPON SAID END PORTIONS AND ADAPTED TO COOPERATE WITH SAID INDICATIONS. ROLLOR MANUFACTURING CO., New York, N. Y.
Filed November 10, 1939. Serial No. 425,534. PUBLISHED MARCH 5, 1940. Class 22.

377,735. GAME PLAYED WITH CARDS AND MOVABLE PIECES. DAVID J. EDWARDS, North Hollywood, Calif.
Filed November 13, 1939. Serial No. 425,563. PUBLISHED MARCH 5, 1940. Class 22.

377,736. POWDERED HAND SOAP. LANO COMPANY, Chicago, Ill.
Filed November 13, 1939. Serial No. 425,575. PUBLISHED MARCH 5, 1940. Class 4.

377,737. RECIPE CABINET FILE. THE AMERICAN HOME MAGAZINE CORPORATION, New York, N. Y.
Filed November 15, 1939. Serial No. 425,635. PUBLISHED MARCH 5, 1940. Class 2.

377,738. WOMEN'S PAJAMAS AND NIGHTGOWNS AND WOMEN'S BED JACKETS. STRUTWEAR KNITTING COMPANY, Minneapolis, Minn.
Filed November 15, 1939. Serial No. 425,659. PUBLISHED MARCH 5, 1940. Class 39.

377,739. PROTECTIVE CLOTHING AND PARTICULARLY FLAME AND WATER RESISTING ARTICLES OF CLOTHING SUCH AS OVERALLS, COVERALLS, WORK SUITS, COATS AND JACKETS INCLUDING HUNTING COATS AND JACKETS, ETC. WM. E. HOOPER & SONS COMPANY, Baltimore, Md.
Filed November 15, 1939. Serial No. 425,671. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,740. SWIMMING SUITS AND GIRDLES. JANTZEN KNITTING MILLS, Portland, Oreg.
Filed November 18, 1939. Serial No. 425,786. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,741. WALL PLUGS. THE RAWLPLUG COMPANY, INC., New York, N. Y.
Filed November 18, 1939. Serial No. 425,809. PUBLISHED MARCH 5, 1940. Class 13.

377,742. TELEPHOTO LENSES, PHOTOGRAPHIC LENSES, AND CAMERAS. UNIVERSAL CAMERA CORPORATION, New York, N. Y.
Filed November 18, 1939. Serial No. 425,823. PUBLISHED MARCH 5, 1940. Class 26.

377,743. COMBINATION BOOK COVER AND CARRIER. LAURA PIERPONT TAYLOR, New York, N. Y.
Filed November 20, 1939. Serial No. 425,846. PUBLISHED MARCH 5, 1940. Class 3.

377,744. PANCAKE FLOUR, CAKE FLOUR, AND BISCUIT FLOUR. CHARLESTON MILLING COMPANY, Charleston, W. Va.
Filed November 21, 1939. Serial No. 425,850. PUBLISHED MARCH 5, 1940. Class 46.

377,745. HATS AND CAPS FOR MEN AND BOYS. HARRIS LANGENBERG HAT CO., St. Louis, Mo.
Filed November 22, 1939. Serial No. 425,890. PUBLISHED MARCH 5, 1940. Class 39.

377,746. CONCENTRATED VITAMIN B_1, AND PARTICULARLY FOR A CHEMICAL PLANT GROWTH STIMULANT CONTAINING VITAMIN B_1. NUTRITION RESEARCH LABORATORIES, INC., Chicago, Ill.
Filed November 22, 1939. Serial No. 425,900. PUBLISHED FEBRUARY 27, 1940. Class 10.

377,747. CIGARS. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed November 25, 1939. Serial No. 425,946. PUBLISHED MARCH 5, 1940. Class 17.

377,748. HAIRNETS, BABY PANTS, ROLL GARTERS, AND DRESS BELTS FOR WEAR OUTSIDE OF DRESS. J. A. ARMSTRONG & SONS INC., Boston, Mass.
Filed November 25, 1939. Serial No. 425,947. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,749. HOUSEHOLD TEXTILE FABRICS, AND MORE PARTICULARLY TABLECLOTHS, NAPKINS, AND DOILIES, SOLD INDIVIDUALLY AND IN SETS, TOWELS, SCARFS, AND PIECE GOODS LINENS. F. FRISCH, INC., New York, N. Y.
Filed November 27, 1939. Serial No. 425,994. PUBLISHED MARCH 5, 1940. Class 42.

377,750. HOUSEHOLD TEXTILE FABRICS, AND MORE PARTICULARLY TABLECLOTHS, NAPKINS, AND DOILIES, SOLD INDIVIDUALLY AND IN SETS, TOWELS, SCARFS, AND PIECE GOODS LINENS. F. FRISCH, INC., New York, N. Y.
Filed November 27, 1939. Serial No. 425,995. PUBLISHED MARCH 5, 1940. Class 42.

377,751. OPHTHALMIC LENSES AND BLANKS THEREFOR, OPHTHALMIC MOUNTINGS, GOGGLES, EYEGLASSES, AND SPECTACLES. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed November 29, 1939. Serial No. 426,044. PUBLISHED MARCH 5, 1940. Class 26.

377,752. RECLINING CHAIRS AND CONVERTIBLE CHAIR BEDS. BELL MANUFACTURING COMPANY, San Francisco, Calif.
Filed November 29, 1939. Serial No. 426,046. PUBLISHED MARCH 5, 1940. Class 32.

377,753. SLIPPERS MADE OF LEATHER, FABRIC, OR RUBBER. SILVIA DORÉE, doing business as "Designs silvia dorée," New York, N. Y.
Filed November 29, 1939. Serial No. 426,054. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,754. GLUES. I. F. LAUCKS, INC., Seattle, Wash.
Filed November 29, 1939. Serial No. 426,060. PUBLISHED FEBRUARY 27, 1940. Class 5.

377,755. PORTABLE HAND FIRE EXTINGUISHERS. THE FERTILMIST CORPORATION, Westport, Conn.
Filed December 1, 1939. Serial No. 426,128. PUBLISHED MARCH 5, 1940. Class 23.

377,756. LADIES' AND MEN'S HOSIERY AND UNDERWEAR, AND MEN'S NECKTIES. ETHEL FRIEDMAN, New York, N. Y.
Filed December 1, 1939. Serial No. 426,130. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,757. PAINT PRODUCTS—NAMELY, EXTERIOR PASTE WHITE PAINT, OUTSIDE WHITE PAINT, ONE COAT FLAT WHITE PAINT, ETC. RED SPOT PAINT & VARNISH CO., INC., Evansville, Ind.
Filed December 1, 1939. Serial No. 426,140. PUBLISHED MARCH 5, 1940. Class 16.

377,758. PANTIES, PANTY GIRDLES, GIRDLES, CORSETS, SLIPS, AND NIGHTGOWNS. CHEVETTE, INC., New York, N. Y.
Filed December 2, 1939. Serial No. 426,157. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,759. CANDY. JACOBS CANDY CO., INC., New Orleans, La.
Filed December 4, 1939. Serial No. 426,203. PUBLISHED MARCH 5, 1940. Class 46.

377,760. FRESH CITRUS FRUITS. THE TIMES-MIRROR COMPANY, also doing business as Union Citrus Orchards, Brea, Calif.
Filed December 5, 1939. Serial No. 426,278. PUBLISHED FEBRUARY 20, 1940. Class 46.

377,761. WOMEN'S AND MISSES' BLOUSES, SWEATERS, DRESSES, COATS, SUITS, OUTER SHIRTS, HATS, ETC. BONWIT TELLER, INC., New York, N. Y.
Filed December 6, 1939. Serial No. 426,285. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,762. GIRLS' DRESSES, COATS, SKIRTS, SWEATERS, SCARFS, GLOVES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, HATS AND CAPS, UNDERWEAR, HOSIERY, AND JACKETS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed December 6, 1939. Serial No. 426,295. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,763. NECKTIES. HUT NECKWEAR CO. INC., New York, N. Y.
Filed December 7, 1939. Serial No. 426,337. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,764. COMBINATION TOOL FOR DRILLING, TAPPING, AND REAMING IN METAL AND OTHER MATERIAL WORKING. MUELLER CO., Decatur, Ill.
Filed December 7, 1939. Serial No. 426,341. PUBLISHED MARCH 5, 1940. Class 23.

377,765. SOLES AND HEELS FOR SHOES. AVON SOLE COMPANY, Holbrook, Mass.
Filed December 8, 1939. Serial No. 426,353. PUBLISHED MARCH 5, 1940. Class 39.

377,766. SOLES AND HEELS FOR SHOES. AVON SOLE COMPANY, Holbrook, Mass.
Filed December 8, 1939. Serial No. 426,354. PUBLISHED MARCH 5, 1940. Class 39.

377,767. CORSETS, CORSELETS, GIRDLES, AND COMBINATION FOUNDATION UNDERGARMENTS, ETC. THE LA RESISTA CORSET COMPANY, Bridgeport, Conn.
Filed December 8, 1939. Serial No. 426,364. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,768. PILLOWS AND MATTRESSES. CHESTER L. THOMAS, doing business as Thomas Quilt Factories, Denver, Colo.
Filed December 9, 1939. Serial No. 426,418. PUBLISHED MARCH 5, 1940. Class 32.

377,769. BROILER GRILLS FOR COOKING RANGES. GEO. D. ROPER CORPORATION, Rockford, Ill.
Filed December 11, 1939. Serial No. 426,464. PUBLISHED MARCH 5, 1940. Class 34.

377,770. SANDWICHES. SWANKY-FRANKY, INC., Mineola, N. Y.
Filed December 12, 1939. Serial No. 426,501. PUBLISHED MARCH 5, 1940. Class 46.

377,771. LOCK SETS. LOCKWOOD HARDWARE MANUFACTURING CO., Fitchburg, Mass.
Filed December 13, 1939. Serial No. 426,533. PUBLISHED FEBRUARY 27, 1940. Class 25.

377,772. MEN'S OVERCOATS AND TOPCOATS. ALFRED DECKER & COHN, INC., Chicago, Ill.
Filed December 14, 1939. Serial No. 426,562. PUBLISHED MARCH 5, 1940. Class 39.

377,773. CYLINDER DOOR LOCKS. J. CHESLER & SONS COMPANY, Brooklyn, N. Y.
Filed December 15, 1939. Serial No. 426,602. PUBLISHED FEBRUARY 27, 1940. Class 25.

377,774. MOLDING COMPOUND FOR PLASTIC COMPOSITIONS. COFFEE X CORPORATION, New York, N. Y.
Filed December 15, 1939. Serial No. 426,604. PUBLISHED MARCH 5, 1940. Class 1.

377,775. LADIES' AND MISSES' SLIPS, PETTICOATS, NIGHTGOWNS, AND PAJAMAS. THE PATRICIA PETTICOAT CO., INC., New York, N. Y.
Filed December 15, 1939. Serial No. 426,628. PUBLISHED MARCH 5, 1940. Class 39.

377,776. FLEXIBLE AND RESILIENT RUBBER BASE PAINTS AND PAINT COATINGS. COPPERCOTE, INC., New York, N. Y.
Filed December 16, 1939. Serial No. 426,643. PUBLISHED MARCH 5, 1940. Class 16.

377,777. SHOE DRESSING, SHOE POLISHES, AND SHOE CLEANERS. EVERETT & BARRON COMPANY, Providence, R. I.
Filed December 16, 1939. Serial No. 426,646. PUBLISHED MARCH 5, 1940. Class 4.

377,778. WHISKEY. JESSE MOORE HUNT CO., LTD., San Francisco, Calif.
Filed December 16, 1939. Serial No. 426,660. PUBLISHED MARCH 5, 1940. Class 49.

377,779. AUTOMOBILE ROBES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed December 16, 1939. Serial No. 426,673. Class 42.

377,780. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER. THE FISK RUBBER CORPORATION, Chicopee Falls, Mass., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey.
Filed December 18, 1939. Serial No. 426,692. PUBLISHED MARCH 5, 1940. Class 35.

377,781. WHISKEY. E. M. FLEISCHMANN DISTILLING CORP., Lansdowne, Md.
Filed December 18, 1939. Serial No. 426,693. PUBLISHED MARCH 5, 1940. Class 49.

377,782. LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES CONSISTING OF DRESS AND JACKET AND COATS. PACKARD DRESSES INC., New York, N. Y.
Filed December 18, 1939. Serial No. 426,705. PUBLISHED MARCH 5, 1940. Class 39.

377,783. BOOTS AND SHOES OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS OF SAID MATERIALS. THE SERVICE BOOT & LEGGING COMPANY, INC., New York, N. Y.
Filed December 16, 1939. Serial No. 426,711. PUBLISHED MARCH 5, 1940. Class 39.

377,784. FERTILIZERS. HOOD PRODUCTS CORPORATION, New York, N. Y.
Filed December 19, 1939. Serial No. 426,730. PUBLISHED MARCH 5, 1940. Class 10.

377,785. TEXTILE RUGS AND CARPETS. HUGH NELSON-COLUMBIA CARPET MILLS, INC., Philadelphia, Pa.
Filed December 19, 1939. Serial No. 426,731. PUBLISHED MARCH 5, 1940. Class 42.

377,786. MEN'S U. S. NAVY, U. S. ARMY, U. S. COAST GUARD, U. S. MARINE CORPS, MERCHANT MARINE, AND YACHTING UNIFORMS. CHARLES SALVATO, doing business as Charles Salvato & Company, New York, N. Y.
Filed December 19, 1939. Serial No. 426,740. PUBLISHED MARCH 5, 1940. Class 39.

377,787. WOVEN PIECE GOODS COMPOSED OF RAYON. LOOMTOGS, INC., New York, N. Y.
Filed December 16, 1939. Serial No. 426,751. PUBLISHED MARCH 5, 1940. Class 42.

377,788. SMOKING PIPES AND CIGARETTE HOLDERS. JACK GALTER, Chicago, Ill.
Filed December 20, 1939. Serial No. 426,769. PUBLISHED MARCH 5, 1940. Class 8.

377,789. PIECE GOODS HAVING ELASTIC THREADS INTERWOVEN THERETHROUGH. THE B. V. D. CORPORATION, New York, N. Y.
Filed December 21, 1939. Serial No. 426,796. PUBLISHED MARCH 5, 1940. Class 42.

377,790. PNEUMATIC VEHICLE TIRES OF RUBBER AND/OR FABRIC. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed December 21, 1939. Serial No. 426,804. PUBLISHED MARCH 5, 1940. Class 35.

377,791. TUBULAR METAL RIVETS. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed December 21, 1939. Serial No. 426,805. PUBLISHED MARCH 5, 1940. Class 13.

377,792. FURNITURE AND VEHICLE SEAT CUSHIONS OF SPONGE RUBBER. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed December 21, 1939. Serial No. 426,806. PUBLISHED MARCH 5, 1940. Class 32.

377,793. MEN'S DRESS, STREET, SPORT, AND WORK SHOES MADE OF LEATHER, RUBBER, AND COMBINATIONS THEREOF. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo., also doing business as Famous-Barr Company, St. Louis, Mo.
Filed December 21, 1939. Serial No. 426,812. PUBLISHED FEBRUARY 20, 1940. Class 39.

377,794. JUVENILE FURNITURE COMPRISING CRIBS, BASINETTES, WARDROBE CHESTS, HIGH-CHAIRS, NURSERY CHAIRS, AND PLAY PENS. STORKLINE FURNITURE CORPORATION OF CALIFORNIA, Los Angeles, Calif.
Filed December 21, 1939. Serial No. 426,819. PUBLISHED MARCH 5, 1940. Class 32.

377,795. GOLF BALLS. CORELESS GOLF BALL COMPANY, Wilmington, Del.
Filed December 22, 1939. Serial No. 426,831. PUBLISHED MARCH 5, 1940. Class 22.

377,796. FOOD FOR DOGS AND OTHER CARNIVOROUS ANIMALS. KELLOGG COMPANY, Battle Creek, Mich.
Filed December 22, 1939. Serial No. 426,836. PUBLISHED MARCH 5, 1940. Class 46.

377,797. BILLFOLDS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed December 22, 1939. Serial No. 426,845. PUBLISHED FEBRUARY 27, 1940. Class 3.

377,798. PLAYING CARDS MADE OF PLASTIC MATERIAL. THE SILLCOCKS-MILLER COMPANY, South Orange, N. J.
Filed December 22, 1939. Serial No. 426,848. PUBLISHED MARCH 5, 1940. Class 22.

377,799. YARNS MADE OF SILK, WOOL, COTTON, RAYON, AND MIXTURES THEREOF. AMERICAN SILK SPINNING CO., Providence, R. I.
Filed December 23, 1939. Serial No. 426,851. PUBLISHED MARCH 5, 1940. Class 43.

377,800. SEAT COVERING MATERIALS IN THE PIECE COMPRISING A WOVEN FABRIC OF PAPER. PATCHOGUE-PLYMOUTH MILLS CORPORATION, New York, N. Y.
Filed December 23, 1939. Serial No. 426,866. PUBLISHED MARCH 5, 1940. Class 42.

377,801. ORNAMENTAL BRAIDS AND CHENILLE USED PRIMARILY FOR TRIMMING OR DECORATING GARMENTS, BEDSPREADS, CURTAINS, PILLOWS, SCARFS, RUGS, MATS, AND SIMILAR PRODUCTS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed December 23, 1939. Serial No. 426,874. PUBLISHED MARCH 5, 1940. Class 40.

377,802. HAIR NETS. FRENCH VEILING CORP., New York, N. Y.
Filed December 26, 1939. Serial No. 426,884. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,803. FOUNTAIN PENS, PENCILS, AND ENSEMBLES OF FOUNTAIN PENS AND PENCILS. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa.
Filed December 26, 1939. Serial No. 426,905. PUBLISHED MARCH 5, 1940. Class 37.

377,804. CIGARETTES. SOUTH AMERICAN TRADING COMPANY, New York, N. Y.
Filed December 26, 1939. Serial No. 426,907. PUBLISHED MARCH 5, 1940. Class 17.

377,805. CANNED GRAPEFRUIT JUICE AND GRAPEFRUIT SECTIONS. SUNNY SOUTH PACKING CO., also doing business as De Soto Canning Company, Arcadia, Fla.
Filed December 26, 1939. Serial No. 426,909. PUBLISHED MARCH 5, 1940. Class 46.

377,806. FRESH CITRUS FRUITS AND CANNED CITRUS JUICES FOR FOOD PURPOSES. TEXAS CITRUS FRUIT GROWERS EXCHANGE, also doing business as Val Verde Packing Co., Mission, Tex.
Filed December 26, 1939. Serial No. 426,911. PUBLISHED MARCH 5, 1940. Class 46.

377,807. MEN'S WOVEN UNDERWEAR, KNITTED SHIRTS, DRAWERS, AND UNION SUITS, MEN'S KNITTED SWEATERS, KNITTED SWIM TRUNKS, SATIN LASTEX SWIM TRUNKS, AND CHILDREN'S KNITTED SLEEPING GARMENTS—NAMELY, SLEEPING SUITS, SLEEPING HOODS, AND SLEEPING BAGS. UTICA KNITTING COMPANY, Utica, N. Y.
Filed December 26, 1939. Serial No. 426,917. PUBLISHED MARCH 5, 1940. Class 39.

377,808. LADIES' SHOES MADE OF LEATHER, FABRIC, LEATHER OR FABRIC IMPREGNATED WITH RUBBER, OR LASTEX. FRANK R. JELLEFF, INC., Washington, D. C.
Filed December 27, 1939. Serial No. 426,926. PUBLISHED MARCH 5, 1940. Class 39.

377,809. INFANTS' FOODS, EVAPORATED AND CONDENSED MILKS, SWEETENED OR UNSWEETENED, POWDERED MILK AND A SPECIALLY PREPARED ACIDIFIED MILK FOOD PRODUCT IN POWDERED FORM. NESTLÉ'S MILK PRODUCTS, INC., New York, N. Y.
Filed December 27, 1939. Serial No. 426,930. PUBLISHED MARCH 5, 1940. Class 46.

377,810. INFANTS' FOODS AND A SPECIALLY PREPARED MALTED CEREAL FOOD WITH THE ADMIXTURE OF OTHER FOOD INGREDIENTS. NESTLÉ'S MILK PRODUCTS, INC., New York, N. Y.
Filed December 27, 1939. Serial No. 426,931. PUBLISHED MARCH 5, 1940. Class 46.

377,811. ELECTRIC FENCE CONTROLLERS. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed December 28, 1939. Serial No. 426,957. PUBLISHED MARCH 5, 1940. Class 21.

377,812. PRINTING INK. GENERAL PRINTING INK CORPORATION, New York, N. Y.
Filed December 29, 1939. Serial No. 426,976. PUBLISHED FEBRUARY 27, 1940. Class 11.

377,813. TILE GAME PLAYED WITH MOVABLE TRIANGULAR SHAPED PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed December 29, 1939. Serial No. 426,988. PUBLISHED MARCH 5, 1940. Class 22.

377,814. OIL FILTERS AND OIL BATH AIR CLEANERS. FORD MOTOR COMPANY, Dearborn, Mich.
Filed December 30, 1939. Serial No. 427,019. PUBLISHED MARCH 5, 1940. Class 31.

377,815. CUSHIONS AND SEAT COVERS. FORD MOTOR COMPANY, Dearborn, Mich.
Filed December 30, 1939. Serial No. 427,020. PUBLISHED MARCH 5, 1940. Class 32.

377,816. FISH LURES. PRESTON J. JENNINGS, Brooklyn, N. Y.
Filed December 30, 1939. Serial No. 427,033. PUBLISHED MARCH 5, 1940. Class 22.

377,817. TUNA FLAKES. SHIELD FOODS, INC., Buffalo, N. Y.
Filed December 30, 1939. Serial No. 427,046. PUBLISHED MARCH 5, 1940. Class 46.

377,818. AUTOMATIC ENDLESS-CHAIN IMPINGEMENT OR OPEN-BAFFLE TYPE OF VENTILATING UNITS. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky.
Filed January 2, 1940. Serial No. 427,057. PUBLISHED MARCH 5, 1940. Class 34.

377,819. DUST SEPARATORS OF THE VISCOUS IMPINGEMENT RENEWAL TYPE. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky.
Filed January 2, 1940. Serial No. 427,058. PUBLISHED MARCH 5, 1940. Class 34.

377,820. DUST SEPARATORS OF THE AUTOMOTIVE OIL BATH TYPE. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky.
Filed January 2, 1940. Serial No. 427,060. PUBLISHED MARCH 5, 1940. Class 34.

377,821. DUST SEPARATORS OF THE SELF-CLEANING ELECTRIC PRECIPITATOR TYPE. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky.
Filed January 2, 1940. Serial No. 427,061. PUBLISHED MARCH 5, 1940. Class 34.

377,822. FRESH VEGETABLES. BONITA PACKING CO., Guadalupe, Calif.
Filed January 2, 1940. Serial No. 427,064. PUBLISHED MARCH 5, 1940. Class 46.

377,823. FILTERING MEDIUM. LUBER-FINER, INC., Los Angeles, Calif.
Filed January 2, 1940. Serial No. 427,080. PUBLISHED MARCH 5, 1940. Class 31.

377,824. HOSIERY. NORTH AMERICAN HOSIERY CORP., New York, N. Y.
Filed January 2, 1940. Serial No. 427,085. PUBLISHED MARCH 5, 1940. Class 39.

377,825. ROLLED OATS AND WHEAT FLOUR. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 2, 1940. Serial No. 427,086. PUBLISHED MARCH 5, 1940. Class 46.

377,826. PACKAGES, CONTAINERS, AND THE LIKE OF PRINTED PAPER WITH OR WITHOUT A CELLOPHANE WINDOW, SOLD FILLED WITH MISCELLANEOUS YARDAGES OF COTTON AND/OR RAYON PIECE GOODS. M. LOWENSTEIN & SONS, INC., New York, N. Y.
Filed January 3, 1940. Serial No. 427,108. PUBLISHED MARCH 5, 1940. Class 42.

377,827. CARD TABLES. J. KEARSLEY MITCHELL, Bryn Mawr, Pa.
Filed January 3, 1940. Serial No. 427,109. PUBLISHED MARCH 5, 1940. Class 32.

377,828. CANNED DOG AND CAT FOOD. LOS ANGELES SALES CO., also doing business as Sassy Brand Dog Food Co., Harbor City, Calif.
Filed January 2, 1940. Serial No. 427,121. PUBLISHED MARCH 5, 1940. Class 46.

377,829. CLEANING AND POLISHING PREPARATION FOR TERRAZZO AND MARBLE SURFACES. MASURY-YOUNG COMPANY, Charlestown, Mass.
Filed January 5, 1940. Serial No. 427,160. PUBLISHED MARCH 5, 1940. Class 4.

377,830. PASTE AND READY-MIXED PAINTS, ENAMEL PAINTS, AND VARNISHES. SOCONY PAINT PRODUCTS COMPANY, New York, N. Y.
Filed January 5, 1940. Serial No. 427,175. PUBLISHED MARCH 5, 1940. Class 16.

377,831. THREAD AND YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed January 6, 1940. Serial No. 427,186. PUBLISHED MARCH 5, 1940. Class 43.

377,832. MEN'S AND BOYS' SUITS AND TOPCOATS. MICHAELS, STERN & CO. INC., Rochester, N. Y.
Filed January 8, 1940. Serial No. 427,222. PUBLISHED MARCH 5, 1940. Class 39.

377,833. OPHTHALMIC LENSES. CONTINENTAL OPTICAL COMPANY, INC., Indianapolis, Ind.
Filed January 8, 1940. Serial No. 427,230. PUBLISHED MARCH 5, 1940. Class 26.

377,834. DOLLS AND DOLLS' CLOTHES. MOLLYE GOLDMAN, doing business as Molly-'es, Darby, Pa.
Filed January 8, 1940. Serial No. 427,243. PUBLISHED MARCH 5, 1940. Class 22.

377,835. LADIES' HOSIERY AND UNDERWEAR. LEFCORT HOSIERY CO. INC., New York, N. Y.
Filed January 8, 1940. Serial No. 427,249. PUBLISHED MARCH 5, 1940. Class 39.

377,836. RAZOR BLADES. STAINLESS RAZOR BLADE CORP., New York, N. Y.
Filed January 8, 1940. Serial No. 427,264. PUBLISHED MARCH 5, 1940. Class 23.

377,837. LEATHER SHOES. STONE-TARLOW CO., INC., Brockton, Mass.
Filed January 8, 1940. Serial No. 427,266. PUBLISHED MARCH 5, 1940. Class 39.

377,838. RAYON, SILK, LINEN, WORSTED, WOOLEN PIECE GOODS. FEINER FABRICS INC., New York, N. Y.
Filed January 9, 1940. Serial No. 427,279. PUBLISHED MARCH 5, 1940. Class 42.

377,839. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. PHILIP B. MYERS, New York, N. Y.
Filed January 9, 1940. Serial No. 427,285. PUBLISHED MARCH 5, 1940. Class 49.

377,840. PRINTER'S TYPE. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J.
Filed January 11, 1940. Serial No. 427,323. PUBLISHED MARCH 5, 1940. Class 14.

377,841. LAWN MOWERS. DILLE & MCGUIRE MFG. CO., Richmond, Ind.
Filed January 11, 1940. Serial No. 427,339. PUBLISHED MARCH 5, 1940. Class 23.

377,842. GOLF CLUB. THOMAS P. DUNCAN, JR., Newport News, Va.
Filed January 11, 1940. Serial No. 427,340. PUBLISHED MARCH 5, 1940. Class 22.

377,843. BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. GENERAL SHOE CORPORATION, Nashville, Tenn.
Filed January 12, 1940. Serial No. 427,372. PUBLISHED FEBRUARY 27, 1940. Class 39.

377,844. PIECE GOODS—TO WIT, SILK, RAYON, AND ACETATE. PRINCETON SILK CORP., New York, N. Y.
Filed January 12, 1940. Serial No. 427,390. PUBLISHED MARCH 5, 1940. Class 42.

377,845. FISHHOOKS. DRISCOLL BRUCK COMPANY, LTD., Portland, Oreg.
Filed January 13, 1940. Serial No. 427,424. PUBLISHED MARCH 5, 1940. Class 22.

377,846. SHOES MADE OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC. FIELD AND FLINT CO., Brockton, Mass.
Filed January 13, 1940. Serial No. 427,426. PUBLISHED MARCH 5, 1940. Class 39.

377,847. SOFT BALLS, PLAY GROUND BALLS, AND BASEBALLS. J. DEBEER & SON, Albany, N. Y.
Filed January 12, 1940. Serial No. 427,450. PUBLISHED MARCH 5, 1940. Class 22.

377,848. HOSIERY. S. S. KRESGE COMPANY, Detroit, Mich.
Filed January 15, 1940. Serial No. 427,468. PUBLISHED MARCH 5, 1940. Class 39.

377,849. COTTON PIECE GOODS. HYMAN LUBOW, doing business as The Linette Co., New York, N. Y.
Filed January 15, 1940. Serial No. 427,470. PUBLISHED MARCH 5, 1940. Class 42.

377,850. LEATHER SHOES. STONE-TARLOW CO., INC., Brockton, Mass.
Filed January 15, 1940. Serial No. 427,480. PUBLISHED MARCH 5, 1940. Class 39.

377,851. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed January 15, 1940. Serial No. 427,485. PUBLISHED MARCH 5, 1940. Class 49.

377,852. WOMEN'S AND MISSES' COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, HATS, HOSIERY, SHOES, AND GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, AND APPAREL BELTS. COLORDINATION GROUP, INC., New York, N. Y.
Filed January 16, 1940. Serial No. 427,500. PUBLISHED MARCH 5, 1940. Class 39.

377,853. WOMEN'S AND MISSES' COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, HATS, HOSIERY, SHOES, AND GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, AND APPAREL BELTS. COLORDINATION GROUP, INC., New York, N. Y.
Filed January 16, 1940. Serial No. 427,502. PUBLISHED MARCH 5, 1940. Class 39.

377,854. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed January 17, 1940. Serial No. 427,562. PUBLISHED MARCH 5, 1940. Class 49.

377,855. RUGS AND CARPETS. NYE-WAIT COMPANY, INC., Auburn, N. Y.
Filed January 18, 1940. Serial No. 427,593. PUBLISHED MARCH 5, 1940. Class 42.

377,856. RUGS AND CARPETS. NYE-WAIT COMPANY, INC., Auburn, N. Y.
Filed January 18, 1940. Serial No. 427,594. PUBLISHED MARCH 5, 1940. Class 42.

377,857. RUGS AND CARPETS. NYE-WAIT COMPANY, INC., Auburn, N. Y.
Filed January 18, 1940. Serial No. 427,595. PUBLISHED MARCH 5, 1940. Class 42.

377,858. MACHINES FOR FILTERING, CLEANSING, AND RECLAIMING OF OIL, AND FILTERS THEREFOR. BRACE PROCESS CORPORATION, New York, N. Y.
Filed January 20, 1940. Serial No. 427,656. PUBLISHED MARCH 5, 1940. Class 31.

377,859. WOMEN'S AND MISSES' SHOES MADE WHOLLY OR IN PART OF LEATHER AND FABRIC. E. T. WRIGHT & COMPANY, INC., Rockland, Mass.
Filed January 20, 1940. Serial No. 427,689. PUBLISHED MARCH 5, 1940. Class 39.

377,860. PIECE GOODS OF COTTON, RAYON, COTTON AND RAYON, AND COTTON, RAYON, AND SILK IN ANY COMBINATION. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed January 22, 1940. Serial No. 427,691. PUBLISHED MARCH 5, 1940. Class 42.

377,861. BRASSIÈRES, BANDEAUX, CORSETS, CORSELETS, PANTIES, PANTIE-GIRDLES, GIRDLES, AND GARTER-BELTS. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y.
Filed January 23, 1940. Serial No. 427,760. PUBLISHED MARCH 5, 1940. Class 39.

377,862. LEAD PENCILS, CRAYONS, AND PENCIL REFILL LEADS. BLAISDELL PENCIL COMPANY, Philadelphia, Pa.
Filed August 8, 1934. Serial No. 354,743. PUBLISHED NOVEMBER 6, 1934. Class 37.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

377,863. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH DI SANTO, doing business as Di Santo & Company, Duluth, Minn. Filed Mar. 16, 1940. Serial No. 429,649.

DI SANTO

For Tomato Paste, Canned Tomatoes, Cheese, Macaroni, Olive Oil, and Coffee.
Claims use since Oct. 16, 1917.

377,864. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LESTER M. DAVIS, doing business as Davis Fishing Tackle Co., Tacoma, Wash. Filed Mar. 15, 1940. Serial No. 429,604.

LES DAVIS

For Fishing Tackle—Namely, Dodgers, Plugs, Spoons, Spinners, Trolls, and Lures.
Claims use since Jan. 16, 1936.

377,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LITTLE & CHRISTMAN, New York, N. Y. Filed Mar. 11, 1940. Serial No. 429,548.

SWEET-TEST

For Sugar.
Claims use since Mar. 1, 1939.

377,866. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EASTERN BAKING COMPANY, Chelsea, Mass. Filed Mar. 13, 1940. Serial No. 429,507.

DUO TOP

For Ice Cream Cones.
Claims use since March, 1936.

377,867. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) IDEAL TOOTH, INCORPORATED, Cambridge, Mass. Filed Mar. 8, 1940. Serial No. 429,357.

TRUE-BLEND

For Artificial Teeth.
Claims use since 1936.

377,868. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE ALDEN COAL CO., Alden Station, Pa. Filed Mar. 1, 1940. Serial No. 429,113.

Alden

For Coal.
Claims use since April, 1938.

377,869. (CLASS 37. PAPER AND STATIONERY.) HOYD E. SUMMY, doing business as The Medico Press, Millerstown, Pa. Filed Feb. 23, 1940. Serial No. 428,837.

MEDICO

For Envelopes.
Claims use since March, 1939.

377,870. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE EMELOID CO., INC., Arlington, N. J. Filed Mar. 1, 1940. Serial No. 429,039.

THROAT-LITE

For Illuminating Tongue Depressor.
Claims use since Jan. 26, 1939.

377,871. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) AYRSHIRE PATOKA COLLIERIES CORPORATION, Wilmington, Del., and Indianapolis, Ind. Filed Feb. 5, 1940. Serial No. 428,220.

PATOKA

For Coal.
Claims use since Mar. 1, 1927.

377,872. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERCUT-RICHARDS PACKING COMPANY, Sacramento, Calif. Filed Jan. 24, 1940. Serial No. 427,787. Applicant is the owner of trade-mark registration No. 305,511, dated Aug. 15, 1933.

SACRAMENTO VALLEY

For Canned Fruits, Vegetables, Berries, Beans With Pork, Fruit Juices for Food Purposes, and Vegetable Juices for Food Purposes.
Claims use since 1933.

377,873. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ARTKRAFT SIGN COMPANY, Lima, Ohio. Filed Jan. 22, 1940. Serial No. 427,694.

SIGNS OF LONG LIFE

For Electrical Signs.
Claims use since Dec. 28, 1938.

377,874. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GOODRICH ELECTRIC COMPANY, Chicago, Ill. Filed Dec. 30, 1939. Serial No. 427,029.

SERVIS

For Unitary Electric Lighting Fixtures.
Claims use since November, 1938.

377,875. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMPERITE COMPANY, New York, N. Y. Filed Aug. 15, 1939. Serial No. 422,614.

KONTAK-MIKE

For Special Microphone for Musical Instruments.
Claims use since Sept. 1, 1937.

377,876. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) SADYE FRANK, New York, N. Y. Filed July 28, 1939. Serial No. 422,048.

DRI-BOLE

For Tobacco Pipes.
Claims use since January, 1939.

377,877. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ABEL SALES CORPORATION, Columbus, Ohio. Filed June 17, 1939. Serial No. 420,616.

Fashun-Fit

For Automobile Seat and Slip Covers.
Claims use since Apr. 1, 1939.

377,878. (CLASS 37. PAPER AND STATIONERY.) BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed June 13, 1939. Serial No. 420,446.

BELMONT

For Toilet Tissue, Cleansing Tissue, Paper Towels, Paper Napkins, and Shelf Paper.
Claims use since Dec. 28, 1934.

377,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHAFER BAKING CO., INC., Bellingham, Wash. Filed May 24, 1939. Serial No. 419,771.

Schafer's Ol' South'rn CORN BREAD

For Corn Bread.
Claims use since Mar. 1, 1939.

377,880. (CLASS 39. CLOTHING.) HUFFMAN FULL FASHIONED MILLS, INC., Morganton, N. C. Filed May 24, 1939. Serial No. 419,760.

Drexel Stockings — Drexel STOCKINGS — Drexel Stockings

For Men's and Ladies' Hosiery.
Claims use since Feb. 23, 1939.

377,881. (CLASS 37. PAPER AND STATIONERY.) RIEGEL PAPER CORPORATION, Riegelsville, N. J., and New York, N. Y. Filed May 6, 1939. Serial No. 419,157.

JERSEY

For Bristol Paper.
Claims use since Apr. 3, 1939.

377,882. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WILLIAM E. WRIGHT & SONS COMPANY, West Warren, Mass. Filed Apr. 15, 1939. Serial No. 418,322.

Tie-Rite

For Ribbons Sold in Hank Form or Cut Lengths.
Claims use since Mar. 16, 1939.

377,883. (CLASS 39. CLOTHING.) PARAMAR, INC., New York, N. Y. Filed Apr. 10, 1939. Serial No. 418,056.

TROUSAROBE

For Ladies' Robes and Housecoats.
Claims use since Feb. 1, 1939.

377,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE U. & J. LENSON CORP., New York, N. Y. Filed Apr. 8, 1939. Serial No. 418,009.

SWEDEN HOUSE

For Coffee.
Claims use since Mar. 22, 1939.

377,885. (CLASS 31. FILTERS AND REFRIGERATORS.) WALTER J. KOINZAN, doing business as Koinzan Mfg. Co., Elgin, Nebr. Filed Mar. 29, 1939. Serial No. 417,620.

SHUR-KLEEN

For Oil Filters.
Claims use since Feb. 1, 1939.

377,886. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) OXYGEN EQUIPMENT MANUFACTURING CO., INC., New York, N. Y. Filed Mar. 3, 1939. Serial No. 416,656.

BARACH THURSTON OXYGEN TENT

For Oxygen Tents.
Claims use since 1932.

377,887. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAUR FLOUR MILLS CO., St. Louis, Mo. Filed Mar. 3, 1939. Serial No. 416,639.

HOLwhite

For White Flour Embodying the Endosperm and Germ of the Wheat Grains.
Claims use since Feb. 18, 1939.

377,888. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLER & HOLLIS, INC., Boston, Mass. Filed Jan. 24, 1939. Serial No. 415,172.

ADAMS HOUSE

For Chocolates.
Claims use since April, 1938.

377,889. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNION TWIST DRILL COMPANY, Athol, Mass. Filed Jan. 7, 1939. Serial No. 414,606.

BUTTERFIELD THRED-RITE

For Threading Dies and Taps and Holders Therefor.
Claims use since Dec. 15, 1938.

377,890. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN LECITHIN COMPANY, Cleveland, Ohio. Filed Dec. 30, 1938. Serial No. 414,333.

MARGO

For Lecithin and Associated Phosphatides With Vegetable Oil, for Use Only as an Antioxidant and/or as a Colloid in Food Products Such as Oleomargarine and Butter, Vegetable and Animal Oils and Fats, Bread and Sweet Goods, Candy and Icings, Meat Food Products, Macaroni and Noodles, Flavoring and Food Emulsions, Salad Dressings, Cacao Products, Milk, and Cereal and Farinaceous Products.
Claims use since August, 1930.

377,891. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) POPPER-MORSON CO., INC., Jersey City, N. J. Filed Nov. 29, 1938. Serial No. 413,275.

GLEN GREY

For Blended Scotch Whiskey.
Claims use since Oct. 20, 1938.

377,892. (CLASS 47. WINES.) RAVENSCROFT WINES, INC., New York and Canandaigua, N. Y. Filed Nov. 5, 1938. Serial No. 412,423.

Ravenscroft

For Wines.
Claims use since Oct. 17, 1936.

377,893. (CLASS 37. PAPER AND STATIONERY.) LEE PAPER COMPANY, Vicksburg, Mich. Filed Aug. 23, 1938. Serial No. 409,884.

CORINTHIAN BOND

For Bond Paper.
Claims use since June 1, 1915.

377,894. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LACE NET IMPORTING CO., INC., New York, N. Y. Filed Aug. 20, 1938. Serial No. 409,812.

CHIFFONETTE

For Elastic Net Fabrics in the Piece Made of Silk, Wool, Cotton, Rayon, and Mixtures Thereof.
Claims use since July 21, 1938.

377,895. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUMAKERS OF AMERICA, INC., Clifton Heights, Pa. Filed Feb. 12, 1938. Serial No. 402,972.

Bubly

For Chewing Gum.
Claims use since Feb. 4, 1938.

377,896. (CLASS 48. MALT BEVERAGES AND LIQUORS.) PETER BREIDT BREWING COMPANY, Elizabeth, N. J. Filed Nov. 27, 1937. Serial No. 400,186.

It's Keg-Mellowed

PETER BREIDT BREWING COMPANY

For Beer, Ale, Porter, Lager, Stout, and Malt Beverages.
Claims use since Nov. 1, 1937.

TRADE-MARK REGISTRATIONS RENEWED

17,700. **W. W. WILSON, ETC.** BUTCHERS' KNIVES AND STEEL IMPLEMENTS. Registered March 25, 1890. THE CATTARAUGUS CUTLERY COMPANY, Little Valley, N. Y., a corporation of New York. Re-renewed March 25, 1940.

18,449. **WEBSTER'S INTERNATIONAL, ETC.** DICTIONARIES. Registered September 23, 1890. G. & C. MERRIAM & Co. Re-renewed September 23, 1940, to G. & C. Merriam Company, Springfield, Mass., a corporation of Massachusetts, assignee.

130,037. **AUTO-MATIC.** LAUNDRY POWER WASHING-MACHINES. Registered April 6, 1920. AUTOMATIC ELECTRIC WASHER Co. Renewed April 6, 1940, to Automatic Washer Company, Newton, Iowa, a corporation of Delaware, assignee.

130,139. **WHITLOCK.** MANILA ROPE. Registered April 6, 1920. WHITLOCK CORDAGE COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 6, 1940.

130,175. **REPRESENTATION OF A BELL.** ALSATIAN BRAIDS OF SILK, LINEN, COTTON, AND WORSTED. Registered April 13, 1920. DOLLFUS-MIEG & CIE. SOCIETE ANONYME, Mulhouse, Germany. Renewed April 13, 1940, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Gerpany now of France.

130,176. **D. M. C.**. ALSATIAN BRAIDS OF SILK, LINEN, COTTON, AND WORSTED. Registered April 13, 1920. DOLLFUS-MIEG & CIE. SOCIETE ANONYME, Mulhouse, Germany. Renewed April 13, 1940, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany now of France.

130,679. **STB, ETC.** ARTIFICIAL TEETH. Registered May 4, 1920. THE COLUMBUS DENTAL MANUFACTURING COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed May 4, 1940.

130,847. **WARWICK.** IRON CHAINS AND STEEL CHAINS OF VARIOUS KINDS AND CHAIN SLINGS. Registered May 4, 1920. NEWHALL CHAIN FORGE & IRON CO., New York, N. Y. Renewed May 4, 1940, to Newhall Chain Forge & Iron Co., Westwood, N. J., a corporation of New Jersey.

131,088. **DMC IN A RECTANGLE, ETC.** BRAIDS OF ARTIFICIAL SILK AND SPUN SILK AND PASSEMENTERIE OF ARTIFICIAL SILK AND SPUN SILK. Registered May 4, 1920. DOLLFUS MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany. Renewed May 4, 1940, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany now of France.

131,089. **DESIGN OF DMC AND MESHES.** BRAIDS AND PASSEMENTERIE OF ARTIFICIAL SILK AND SPUN SILK. Registered May 4, 1920. DOLLFUS MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany. Renewed May 4, 1940, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany now of France.

131,090. **DMC IN A CIRCULAR BAND, ETC.** BRAIDS OF ARTIFICIAL SILK AND SPUN SILK AND PASSEMENTERIE OF ARTIFICIAL SILK AND SPUN SILK. Registered May 4, 1920. DOLLFUS MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany. Renewed May 4, 1940, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany now of France.

131,091. **DMC IN A CIRCULAR AREA ON A PANEL.** BRAIDS OF ARTIFICIAL SILK AND SPUN SILK AND PASSEMENTERIE OF ARTIFICIAL SILK AND SPUN SILK. Registered May 4, 1920. DOLLFUS MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany. Renewed May 4, 1940, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany now of France.

131,092. **REPRESENTATION OF AN ENTABLATURE AND COLUMNS.** BRAIDS OF ARTIFICIAL SILK AND SPUN SILK AND PASSEMENTERIE OF ARTIFICIAL SILK AND SPUN SILK. Registered May 4, 1920. DOLLFUS MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany. Renewed May 4, 1940, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany now of France.

131,388. **VITAGRAPH.** MOVING-PICTURE FILMS. Registered May 11, 1920. THE VITAGRAPH COMPANY OF AMERICA, Brooklyn, N. Y. Renewed May 11, 1940, to Vitagraph, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

131,557. **REPRESENTATION OF A TEMPLE, ETC.** CURED AND PRESERVED FISH, EDIBLE VIRGIN VEGETABLE OILS, AND DRESSINGS FOR MEATS, FISH, GAME, SALADS, ETC. Registered May 18, 1920. MUSHER & COMPANY, INCORPORATED, New York, N. Y., Baltimore, Md., San Diego, Calif., and Washington, D. C. Renewed May 18, 1940, to Pompeian Olive Oil Corporation, Baltimore, Md., a corporation of Maryland, successor.

131,670. **BEACON.** DRESSING TO BE USED ON LEATHER AND ARTICLES MADE THEREFROM. Registered May 18, 1920. WHITTEMORE BROS. CORP., Cambridge, Mass., a corporation of Massachusetts. Renewed May 18, 1940.

132,044. **ARANCO.** CHEESE. Registered June 8, 1920. ROETHLISBERGER & Co., INC., New York, N. Y., a corporation of New York. Renewed June 8, 1940.

132,539. **SPECO.** SAL-AMMONIAC AND SOLDERING FLUID. Registered June 22, 1920. SPECIAL CHEMICALS COMPANY, Highland Park, Ill. Renewed June 22, 1940, to Pfanstiehl Chemical Company, Waukegan, Ill., a corporation of Illinois, assignee.

132,773. **NEKO.** A GERMICIDE, DISINFECTANT, ANTISEPTIC, AND DEODORANT. Registered June 29, 1920. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed June 29, 1940.

133,318. **SEGAL.** KEYS AND LOCKS. Registered July 20, 1920. SEGAL LOCK AND HARDWARE CO., INC., New York, N. Y., a corporation of New York. Renewed July 20, 1940.

133,529. **MARCELLENE.** HAIR-DRESSING. Registered July 27, 1920. THE TONO-SCALPA COMPANY, INC. Renewed July 27, 1940, to Marcellene Chemical Company, Inc., Richmond, Va., a corporation of Virginia, assignee by mesne assignments.

133,777. **MAG-LAC.** DENTIFRICES. Registered August 3, 1920. THE PENSLAR COMPANY, Detroit, Mich., a corporation of Michigan. Renewed August 3, 1940.

133,945. **CROWN, ETC.** CARBON-PAPER AND TYPEWRITER-RIBBONS. Registered August 10, 1920. CROWN RIBBON AND CARBON MFG. CO., Rochester, N. Y., a corporation of New York. Renewed August 10, 1940.

134,043. **THE NEWS.** DAILY PUBLICATION. Registered August 10, 1920. NEWS SYNDICATE CO., INC., New York, N. Y., a corporation of New York. Renewed August 10, 1940.

134,110. **U, ETC.** FINGER-RINGS, PINS, AND BRACELETS. Registered August 10, 1920. UNCAS MANUFACTURING COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed August 10, 1940.

134,292. **CHAMPION.** BREAD. Registered August 24, 1920. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed August 24, 1940.

134,597. **DE ROMANCE, PEARLS.** Registered September 14, 1920. MONROE BLOCK & COMPANY, Providence, R. I., a firm. Renewed September 14, 1940.

134,805. **KING PIN.** POWDERED LYE. Registered September 14, 1920. THE SINCLAIR MANUFACTURING COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed September 14, 1940.

134,806. **REPRESENTATION OF A KING.** POWDERED LYE. Registered September 14, 1920. THE SINCLAIR MANUFACTURING COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed September 14, 1940.

134,844. **HONEY DEW.** CAKES. Registered September 14, 1920. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed September 14, 1940.

134,900. **KOTEX.** SANITARY NAPKINS. Registered September 21, 1920. THE CELLUCOTTON PRODUCTS COMPANY, Neenah, Wis. Renewed September 21, 1940, to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

134,945. **FORD.** KNITTED UNDERWEAR. Registered September 21, 1920. FORD MANUFACTURING CO., Waterford, N. Y., a corporation of New York. Renewed September 21, 1940.

135,006. **ALLROAD.** RUBBER OR RUBBER AND FABRIC TIRES AND TUBES FOR VEHICLES. Registered September 21, 1920. MCCLAREN RUBBER COMPANY, Charlotte, N. C. Renewed September 21, 1940, to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio, assignee.

135,263. **LUCKIE.** FISHING-LINES. Registered September 28, 1920. THE HORTON MANUFACTURING COMPANY, Bristol, Conn., a corporation of Connecticut. Renewed September 28, 1940.

135,289. **ONYX.** A COMPOUND FOR IMPROVING THE CHARACTER OR QUALITY OF BEER OR NEAR BEER. Registered September 28, 1920. THE NATIONAL BREWERS ACADEMY AND CONSULTING BUREAU, New York, N. Y., a corporation of New York. Renewed September 28, 1940.

135,297. **STIMULA.** A RUBEFACIENT AND ANODYNE CREAM. Registered September 28, 1920. THE E. L. PATCH COMPANY, Stoneham, Mass., a corporation of Massachusetts. Renewed September 28, 1940.

135,344. **S, ETC.** STOCK, DAIRY, AND POULTRY FEED. Registered September 28, 1920. THE SUPERIOR FEED CO. Renewed September 28, 1940, to Royal Feed & Milling Company, Memphis, Tenn., a corporation of Delaware, assignee.

135,351. **150.** SEWING-MACHINE NEEDLES. Registered September 28, 1920. UNION SPECIAL MACHINE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 28, 1940.

LABELS

REGISTERED MAY 14, 1940

54,704.—*Title:* BEACHCOMBERS BRAND BARBADOS RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,705.—*Title:* BEACHCOMBERS BRAND CARIBBEAN RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,706.—*Title:* BEACHCOMBERS BRAND COBRA RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,707.—*Title:* BEACHCOMBERS BRAND CUBAN RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,708.—*Title:* BEACHCOMBERS BRAND DEMERARA RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,709.—*Title:* BEACHCOMBERS BRAND DOCTOR FUNK RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,710.—*Title:* BEACHCOMBERS BRAND DONGA RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,711.—*Title:* BEACHCOMBERS BRAND GOLD RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,712.—*Title:* BEACHCOMBERS BRAND GROG RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,713.—*Title:* BEACHCOMBERS BRAND MARTINIQUE RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,714.—*Title:* BEACHCOMBERS BRAND MISSIONARY RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,715.—*Title:* BEACHCOMBERS BRAND NIGGER-HEAD RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,716.—*Title:* BEACHCOMBERS BRAND OKOLEHAO. For Okolehao. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,717.—*Title:* BEACHCOMBERS BRAND PIYI RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,718.—*Title:* BEACHCOMBERS BRAND PUERTO RICAN RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,719.—*Title:* BEACHCOMBERS BRAND PUKA RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,720.—*Title:* BEACHCOMBERS BRAND SHARKS-TOOTH RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,721.—*Title:* BEACHCOMBERS BRAND SILVER RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,722.—*Title:* BEACHCOMBERS BRAND TAHITIAN RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,723.—*Title:* BEACHCOMBERS BRAND TEKI RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,724.—*Title:* BEACHCOMBERS BRAND VIRGIN RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,725.—*Title:* BEACHCOMBERS BRAND WEST INDIES RUM. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,726.—*Title:* BEACHCOMBERS BRAND ZOMBIE RUM #1. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,727.—*Title:* BEACHCOMBERS BRAND ZOMBIE RUM #2. For Rum. THE BEACHCOMBER, Los Angeles, Calif. Published April 4, 1940.

54,728.—*Title:* BENCHEN. For a Tung and Peanut Compound for the Treatment of Muscular Aches and Pains, Insect Bites, Burns, Sunburn, Athlete's Foot, Etc. THE BENCHEN COMPANY, St. Petersburg, Fla. Published January 3, 1940.

54,729.—*Title:* PEERLESS FLORAL STICKS. For Floral Sticks. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y. Published December 20, 1939.

54,730.—*Title:* PEDI-PALS. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published April 1, 1940.

54,731.—*Title:* DESIGN NO. 577. For Ice Cream. BLOOMER BROS. COMPANY, Newark, N. Y. Published December 31, 1937.

54,732.—*Title:* DESIGN NO. 578. For Ice Cream. BLOOMER BROS. COMPANY, Newark, N. Y. Published December 1, 1937.

54,733.—*Title:* BLUE SEAL. For Salad Dressing. BLUE SEAL FOOD PRODUCTS, INC., Chicago, Ill. Published December 29, 1939.

54,734.—*Title:* BORDEN'S COTTAGE CHEESE WITH PASTEURIZED CREAM AND SALT ADDED. For Cottage Cheese with Pasteurized Cream and Salt Added. THE BORDEN COMPANY, New York, N. Y. Published March 22, 1940.

54,735.—*Title:* BORDEN'S LEADER BRAND SWEETENED CONDENSED MILK. For Sweetened Condensed Milk. THE BORDEN COMPANY, New York, N. Y. Published December 1, 1939.

54,736.—*Title:* BORDEN'S CHALLENGE BRAND SWEETENED CONDENSED MILK. For Sweetened Condensed Milk. THE BORDEN COMPANY, New York, N. Y. Published November 1, 1939.

54,737.—*Title:* BORDEN'S MAGNOLIA BRAND SWEETENED CONDENSED MILK. For Sweetened Condensed Milk. THE BORDEN COMPANY, New York, N. Y. Published October 20, 1939.

54,738.—*Title:* BORDEN'S PENINSULAR BRAND SWEETENED CONDENSED MILK. For Sweetened Condensed Milk. THE BORDEN COMPANY, New York, N. Y. Published October 20, 1939.

54,739.—*Title:* BORDEN'S STANDARD BRAND SWEETENED CONDENSED MILK. For Sweetened Condensed Milk. THE BORDEN COMPANY, New York, N. Y. Published October 20, 1939.

54,740.—*Title:* BOTTLERS ORANGE. For Bottlers' Orange. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Published July 7, 1939.

54,741.—*Title:* OIL OF ORANGE. For Oil of Orange. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Published August 11, 1939.

54,742.—*Title:* CANUTE WATER SCIENTIFICALLY RE-COLORS GRAY HAIR. For a Product for Scientifically Re-Coloring Gray Hair. THE CANUTE CO., Milwaukee, Wis. Published August 22, 1939.

54,743.—*Title:* UNCLE TOM'S BAR-B-Q-SAUCE. For Barbecue Sauce. WILLIAM E. CARDINAL, doing business as Uncle Tom's Bar-B-Q-Sauce Company, Cherry Lake, Fla. Published March 25, 1940.

54,744.—*Title:* DISTINCTIVE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published April 2, 1940.

54,745.—*Title:* DUO. For Transparent Corners. ENGEL ART CORNERS MFG. CO., Chicago, Ill. Published June 15, 1938.

54,746.—*Title:* DEL HAVEN. For Cigars. FEDERATED FOODS, INC., Chicago, Ill. Published January 29, 1940.

54,747.—*Title:* A. R. P. I. PROCESS VITAMIN D. For a Concentrated, Sterilized Fluid Preparation of Vitamin D, Containing Water, Casein and its Sodium Salt, Butter and Activated Ergosterol (A. R. P. I. Process), for Use in Fortifying Fluid Milk and Other Food Products. GENERAL MILLS, INC., Minneapolis, Minn. Published March 1, 1940.

54,748.—*Title:* THERMO. For a Hand Cleaner. GUSLER PRODUCTS CO., Fort Sumner, N. Mex. Published March 28, 1940.

54,749.—*Title:* READY TO SPOON ICE CREAM AND SHERBET. For Ice Cream and Sherbet. ICE CREAM SECURITIES COMPANY, San Francisco, Calif. Published March 1, 1940.

54,750.—*Title:* JOHNSON'S WAX-O-NAMEL. For an Enamel Containing Wax. S. C. JOHNSON & SON, INC., Racine, Wis. Published March 4, 1940.

54,751.—*Title:* HOLLYWOOD GLAMOR GLOVES. For Sanitary Domestic Gloves. JOSLINE INC., Los Angeles, Calif. Published March 1, 1940.

54,752.—*Title:* KALM HEL-RAS. For Mineral Water. ANNA M. L. KRAUSE, Milwaukee, Wis. Published March 28, 1940.

54,753.—*Title:* VEG-ALL MIXED VEGETABLES, PLAN WITH VEG-ALL. For Canned Mixed Vegetables. THE LARSEN COMPANY, Green Bay, Wis. Published January 19, 1940.

54,754.—*Title:* NISSEN. For Colors. JOHN P. NISSEN, JR., doing business as John P. Nissen, Jr., Co., Wyncote, Pa. Published March 29, 1940.

54,755.—*Title:* VELVA. For Imitation Maple Waffle Syrup. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published April 1, 1940.

54,756.—*Title:* PENNSYLVANIA. For Pale Dry Ginger Ale. PENNSYLVANIA BOTTLING & SUPPLY CO., Philadelphia, Pa. Published March 4, 1940.

54,757.—*Title:* GENUINE SAC DE PERLE PRODUCTS. For Ladies' Handbags. M. RUBIN & COMPANY, Chicago, Ill. Published April 2, 1940.

54,758.—*Title:* SCHULZE RAISIN BREAD. For Raisin Bread. SCHULZE BAKING COMPANY, Chicago, Ill., and Kansas City, Mo. Published March 20, 1940.

54,759.—*Title:* LAURA LEE. For Blouses. MAURY MICHAEL SERMAN, doing business as M. Serman and Co., New York, N. Y. Published February 26, 1940.

54,760.—*Title:* SNUGGLE IN-B-TWEEN GRO-SUIT. For Children's Garments. SNUGGLE PRODUCTS, INC., Goshen, Ind. Published March 26, 1940.

54,761.—*Title:* B-1. For Bread. SPAULDING BAKERIES, INCORPORATED, Binghamton, N. Y. Published February 13, 1940.

54,762.—*Title:* FLORENCE YAMS. For Yams. WILLIAM A. SPECTOR, doing business as W. A. Spector, New York, N. Y. Published February 21, 1940.

54,763.—*Title:* NATO-BARRO. For a Mineral Pack for the Relief of Pain, Bowed Tendons, Lame and Sore Muscles, Fever and Other Unsound Leg Conditions. SUTTON-HUNGER PRODUCTS CO., INC., Los Angeles, Calif. Published March 21, 1940.

54,764.—*Title:* SHINE-OFF. For a Preparation Which Removes the Shine from Worn Clothing. JACOB SWEETOV, doing business as Jacob Sweet, New York, N. Y. Published March 30, 1940.

54,765.—*Title:* YAT. For a Game. MARTIN J. TOBIN, Torrington, Conn. Published March 23, 1940.

54,766.—*Title:* VENDO. For Vending Machines. THE VENDO COMPANY, Kansas City, Mo. Published March 28, 1940.

PRINTS

REGISTERED MAY 14, 1940

17,957.—*Title:* FLOOR LAMP SPECIAL. For Floor Lamps. ATLAS NOVELTY COMPANY, Chicago, Ill. Published March 19, 1940.

17,958.—*Title:* AGE OLD GOODNESS. For Beer. BROWN & BIGELOW, St. Paul, Minn. Published August 15, 1939.

17,959.—*Title:* IN THE FIELD OF WOVEN UNDERWEAR . . . THE CALL IS FOR CELANESE RAYON YARN. For Rayon Yarn. CELANESE CORPORATION OF AMERICA, New York, N. Y. Published February 29, 1940.

17,960.—*Title:* SEND ONLY 50¢ FOR THIS LOVELY "FLAGSHIP" DRESS. For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published February 28, 1940.

17,961.—*Title:* MARBLE FUDGE. For Marble Fudge Ice Cream. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Published March 22, 1940.

17,962.—*Title:* MURALO CASEIN PAINT. For a Washable Casein Paint in Powdered Form. THE MURALO COMPANY, INC., Staten Island, N. Y. Published February 15, 1940.

17,963.—*Title:* MURAL-TONE MASONRY PAINT. For a Masonry Paint. THE MURALO COMPANY, INC., Staten Island, N. Y. Published January 26, 1940.

17,964.—*Title:* SPACKLE. For a Permanent Interior Surfacing Compound. THE MURALO COMPANY, INC., Staten Island, N. Y. Published December 28, 1939.

17,965.—*Title:* YANKEE HANDYMAN THE COMPLETE TOOL DRIVES SCREWS DRILLS HOLES DRAWS SCREWS. For Spiral Screw Drivers. NORTH BRO'S M'F'G CO., Philadelphia, Pa. Published March 12, 1940.

17,966.—*Title:* TWICE BLEST . . . EAST AND WEST . . . THIS NEGRITA COCKTAIL. For Rum. SCHENLEY IMPORT CORPORATION, New York, N. Y. Published December 15, 1939.

17,967.—*Title:* KEEPS YOU TICKING. For Pie. TASTY BAKING COMPANY, Philadelphia, Pa. Published April 10, 1940.

17,968.—*Title:* THE TOPPER BY McKESSON. For Men's Gift Packages Containing Cosmetics for Men. WILLIAM J. WARDALL, TRUSTEE OF THE ESTATE OF McKESSON & ROBBINS, INC., DEBTOR, New York, N. Y. Published March 29, 1940.

17,969.—*Title:* THINK BEFORE YOU DRINK. For a Beverage. HERRING YOUNG, Louisville, Ky. Published September 29, 1939.

REISSUES

APRIL 14, 1940

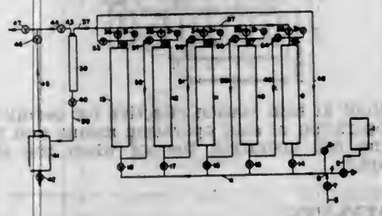
21,448

HYDROGENATION PROCESS

Rollin J. Byrkit, Jr., Hattiesburg, Miss., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Original No. 2,174,651, dated October 3, 1939, Serial No. 143,193, May 17, 1937. Application for reissue March 7, 1940, Serial No. 322,862

15 Claims. (Cl. 260—100)



1. A method for the continuous hydrogenation of an unsaturated material which contains the hydrocarbon nucleus of a rosin acid, which includes continuously flowing the unsaturated material in contact with hydrogen successively through a plurality of stationary hydrogenation catalyst beds while under superatmospheric pressure in excess of about 100 pounds per square inch and at a temperature within the range of about 70° C. to about 300° C., until the activity of the catalyst in the beds has dropped materially, replacing the first of the catalyst beds with a fresh catalyst bed and continuously flowing the unsaturated material in contact with hydrogen through the plurality of catalyst beds in such order that the fresh catalyst bed is the last through which the unsaturated material flows.

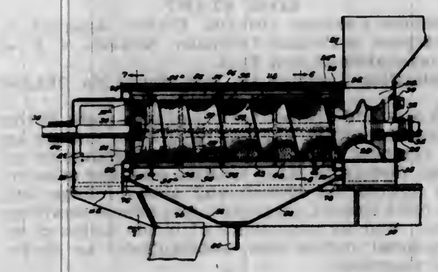
21,449

TOMATO JUICE EXTRACTOR

Willard C. McNitt, deceased, late of Winnetka, Ill., by American Utensil Company, Chicago, Ill., assignee

Original No. 2,109,398, dated February 22, 1938, Serial No. 735,834, August 7, 1934. Application for reissue February 15, 1940, Serial No. 319,176

16 Claims. (Cl. 100—48)



14. A juice extractor comprising a cylindrical housing affording an intake opening and a discharge opening, a worm cooperating with said housing having a cylindrical helix in close proximity to the inner walls of said housing, the body portion of said worm intermediate adjacent convolutions of said helix being progressively of increasing diameter in the direction toward said discharge opening, an annular barrier terminating said helix and having concentric spaced relation with the inner wall of said housing, a frustoconical section integrally formed with said worm having concentric spaced relation with a frustoconical inner surface of said housing and means for varying the disposition of said worm longitudinally with respect to said housing.

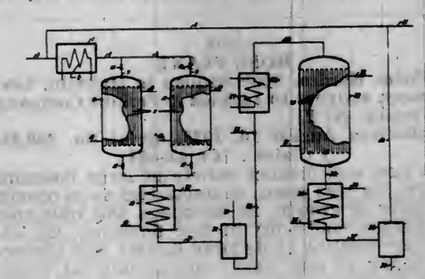
21,450

PROCESS FOR THE HYDROGENATION OF OLEFIN POLYMERS

Ewald D. Pysel, deceased, late of Pittsburg, Calif., by Shell Development Company, San Francisco, Calif., assignee

Original No. 2,147,268, dated February 14, 1939, Serial No. 68,922, March 14, 1936. Application for reissue November 6, 1939, Serial No. 303,039

13 Claims. (Cl. 260—676)

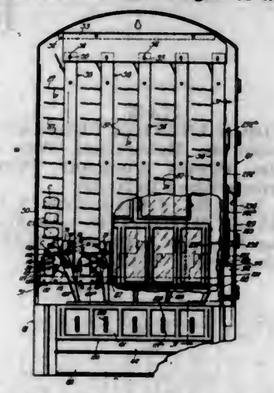


1. In a multi-stage continuous process for effecting the catalytic hydrogenation of an olefin-polymer material to the corresponding saturated material by reaction with free hydrogen in the presence of an active hydrogenation catalyst when the polymer material contains more than a critical concentration of a catalyst poisoning impurity capable of poisoning the hydrogenation catalyst used, the steps which comprise passing the polymer material together with less than a stoichiometrical amount of free hydrogen into contact with the hydrogenation catalyst in the first stage under such conditions that only a part of the polymer material is hydrogenated, separating normally gaseous constituents from the treated material leaving the first hydrogenation stage, and then passing the partially hydrogenated material which has been substantially freed of catalyst poisoning impurities by treatment in the first hydrogenation stage, together with more than a stoichiometrical amount of free hydrogen into contact under hydrogenation conditions with the hydrogenation catalyst in a subsequent hydrogenation stage, whereby substantially complete hydrogenation of the polymer material is

effected with substantially no decrease in activity of the catalyst in any hydrogenation stage subsequent to the first.

21,451
VENDING MACHINE
Arthur H. Woodward, Winnetka, William E. Richmond, Wilmette, and Ernest H. Thompson, Winnetka, Ill., assignors to International Register Company, Chicago, Ill., a corporation of Illinois
Original No. 2,113,120, dated April 5, 1938, Serial No. 31,382, July 15, 1935. Application for reissue August 4, 1939, Serial No. 288,410
21 Claims. (Cl. 312—96)

1. In a vending machine, an endless conveyor provided with article holding shelves pivoted for downward movement, means for intermittently operating the conveyor and successively advancing said shelves to a delivery station, means for holding the shelves projected outward from the conveyor and for releasing each shelf as it reaches said station, a support at said station normally disposed to support a shelf in projected position and movable out of operative position to release means and said support for moving the latter out the shelf, connections between said operating of and returning it to operative position upon full operation of said operating means, and locking means responsive to the weight of an article on



the shelf at said station effective for permitting full operation of said operating means and preventing full operation thereof when the shelf is empty.

PLANT PATENTS

GRANTED MAY 14, 1940

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

395
ROSE PLANT
Wilhelm Kordes, Sparrieshoop in Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y.
Application August 10, 1939, Serial No. 289,488
1 Claim. (Cl. 47—61)

A new and distinct variety of large flowering polyantha rose plant, characterized as to novelty by vigor of growth, its hardiness and resistance to disease, continuity of free flowering, the attractive coloring of its large flowers, and absence of bluing at any stage, substantially as shown and described.

396
ROSE PLANT
Robert Marion Hatton, Harrisburg, Pa., assignor to The Conard-Pyle Company, West Grove, Pa.
Application July 25, 1939, Serial No. 286,473.
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the pillar type characterized as to novelty by its distinctive habit of growth, the color variation of its foliage, and vivid color contrast of its flowers, substantially as shown and described.

397
VIOLET
Julia Isabelle Dearborn, Corvallis, Oreg.
Application September 26, 1939, Serial No. 296,675
1 Claim. (Cl. 47—60)

A new and distinct variety of double violet characterized particularly by its firm-textured, broad, compact leaves; its intensely fragrant flowers of Urania Blue to Dusky Blue Violet; its vigor and hardiness; and its profuse production of runners and blossoms.

398
PINK CARNATION
Minoru Okada, San Lorenzo, Calif.
Application May 22, 1939, Serial No. 275,028
1 Claim. (Cl. 47—60)

A new variety of carnation substantially as illustrated and described characterized particularly by the distinctive color and large size of the blossom as illustrated and described, and the high center of its blossom when in full bloom.

399
RED CARNATION
Minoru Okada, San Lorenzo, Calif.
Application May 22, 1939, Serial No. 275,029
1 Claim. (Cl. 47—60)

A new variety of carnation substantially as illustrated and described characterized particularly by the distinctive color and the extreme large size of its blossom as illustrated and described.

400
ROSE PLANT
Alphonse Couteau, Orleans, France, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application January 18, 1940, Serial No. 314,550
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the polyantha group, characterized as to novelty by its climbing habit of growth, its production of large flowers in large clusters and the color of the flowers, its smooth and almost thornless stems, and its persistence of bloom followed by occasional remontance, substantially as shown and described.

PATENTS

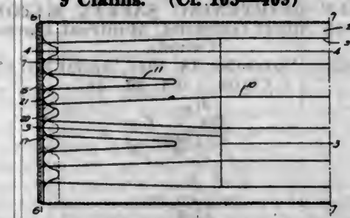
GRANTED MAY 14, 1940

2,200,239
SEPARABLE FASTENER
Ambroise Di Tullio, Petit, Quevilly, France, assignor to Talon, Inc., a corporation of Pennsylvania
Application January 25, 1939, Serial No. 252,795
In Great Britain February 4, 1938
4 Claims. (Cl. 24—205)



1. In a slide fastener including two stringers having fastener elements on their adjacent edges, and a slider mounted on the elements to open and close the fastener; a separable end connection for the stringers comprising a socket member attached to one stringer at its inner edge, and a pin member attached to the opposite stringer at its outer edge, said socket member extending laterally from its stringer beyond the path of the slider body, and a socket in the extension of said socket member beyond said path, adapted to receive said pin to make the connection for the ends of the fastener stringers to one side of the path of the slider.

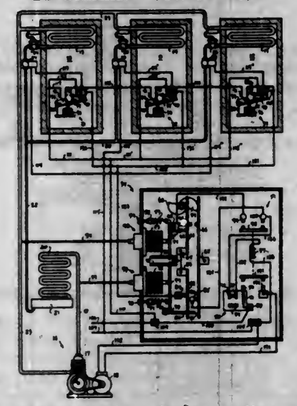
2,200,240
PANEL CONSTRUCTION
Garth G. Gilpin, Riverside, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application February 17, 1938, Serial No. 190,913
9 Claims. (Cl. 105—409)



1. Means for stiffening the edge of a corrugated metallic sheet adapted for use as an end gate of a railway car wherein the corrugations extend to the edge of the sheet comprising a channel shaped stiffener with the flanges thereof overlapping the end portions of the corrugations, one of said flanges having a diagonally disposed margin formed with scallops which nest in and are rigidly secured along the edges thereof to the crests and troughs of said corrugations.

2. Means for stiffening the edge of a corrugated metallic sheet wherein the corrugations extend to the edge of the sheet comprising a channel shaped stiffener with the flanges thereof overlapping the ends of the corrugations, each of said flanges having a diagonally disposed scalloped margin extending between and secured to said corrugations, said scalloped margins positioned so that the planes thereof intersect, and means to secure said scalloped margins to the corrugated sheet at the line of intersection of said planes to form a box sectional stiffener.

2,200,241
TEMPERATURE CONTROL SYSTEM
William J. McGoldrick and Alwin B. Newton, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 7, 1939, Serial No. 249,764
14 Claims. (Cl. 62—4)



4. In a control system for a cooling apparatus for cooling a plurality of spaces, the combination of, thermostatic means associated with each space and responsive to the temperature thereof, and means including means controlled by the thermostatic means to operate the cooling apparatus only when the temperatures of all of the spaces increase to predetermined values and means controlled by the thermostatic means to operate the cooling apparatus when the temperature of any space increases above the predetermined value.

2,200,242
MACHINE FOR TREATING COTTON PLANTS
Joseph B. Neil and Thomas C. O'Farrell, York, S. C., assignors of one-third to Thomas M. Ferguson, York, S. C.
Application March 17, 1939, Serial No. 262,496
3 Claims. (Cl. 299—29)



1. Apparatus for treating young cotton plants

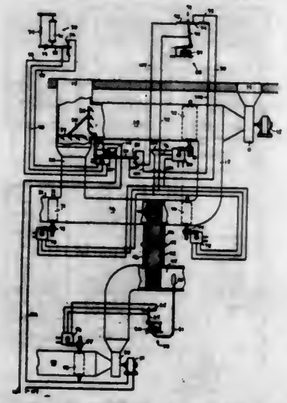
which includes a wheel supported container proportioned to straddle and move along a row of young plants, said container constituting a means for holding a sticky insecticide, an endless belt, a driving connection between the supporting wheels and the belt, substantially parallel rows of applicators of absorbent material carried by and positioned to hang downwardly from the belt while passing under the container, means for guiding the belt downwardly into the container, and means for guiding the belt and depending applicators for movement along a straight line beneath and in the direction of movement of the container for simultaneous wiping engagement with a plurality of plants at substantially the same level.

2,200,243

AIR CONDITIONING SYSTEM

Alwin B. Newton, Minneapolis, Minn., and James S. Locke, Chicago, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application June 7, 1939, Serial No. 277,822
18 Claims. (Cl. 236—44)



4. In an air conditioning system, air conditioning means, means for circulating air over said air conditioning means and through a space to be conditioned, said air conditioning means including cooling means and moisture absorbing means, said moisture absorbing means comprising a member of hygroscopic material and arranged to continuously present different surfaces thereof to the flow of air, reactivating means to drive moisture from a portion of said member which is not exposed to the flow of air, said reactivating means including heating means and fan means for circulating air over said heating means and said portion of said member, and means responsive to a condition of the air in the space in control of said fan means.

2,200,244

CAPSULE FILLING DEVICE

James V. O'Hara and Jacob J. Kotzin, Philadelphia, Pa.; said O'Hara assignor to said Kotzin

Application October 31, 1939, Serial No. 302,086
20 Claims. (Cl. 226—40)

1. A capsule filling device comprising a base member; a capsule supporting bar carried by said base member; a sliding pier carried by said base member at each of the ends thereof, each of said sliding piers having at least two vertically spaced horizontal platforms for supporting an end of a capsule receiving bar in two successive vertically spaced positions; a capsule receiving bar mounted for vertical movement to at least two successive positions relatively to said capsule supporting bar, each of the ends of said capsule receiving bar being supported by the upper of said horizontal



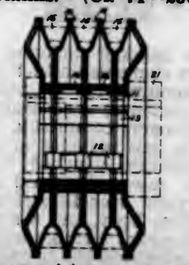
platforms in the first of said two successive positions and by the other of said horizontal platforms in the second of said successive positions; and a trough detachably attached to said capsule receiving bar in the first of the successive positions of said capsule receiving bar.

2,200,245

PRESSED METAL SHEAVE

Edward H. Schultz, Jr., Chicago, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application March 24, 1939, Serial No. 263,826
13 Claims. (Cl. 74—230.8)



1. A sheave comprising a plurality of pressed metal plates provided with alined central apertures and tongues extending therefrom adjacent said apertures, spacing rings adjacent said apertures arranged between certain of said plates and provided with grooves alined with said tongues, said tongues being axially deflected within said grooves, whereby said plates and rings are interlocked against relative rotation.

2,200,246

SELF-SHARPENING SAFETY RAZOR

Joseph Albert Guimond, Montreal, Quebec, Canada

Application November 18, 1937, Serial No. 175,332
1 Claim. (Cl. 30—36)



A safety razor including a handle, a longitudinally slotted head thereon, an end plate integral with the head and having a slot, guard fingers integral with and extending from one edge

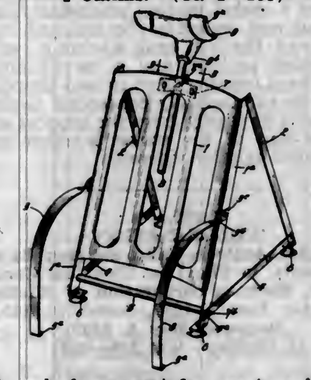
of the plate, said plate having a flat supporting surface, a pivot device fixedly mounted in the head and extending across the slot therein, a wheel mounted for back and forth rotation on said pivot device within the slot in the head and extending into close proximity to and lying in the same plane with the slot in the plate, said wheel having opposed portions extending outwardly from the slots for engagement by a finger of the hand grasping the handle for actuation thereby, a flat sharpening element slidably mounted on the plate and normally positioned back from but above the plane of the guard fingers, a blade-supporting ledge integral with the plate, yielding means cooperating with said ledge for gripping a razor blade and holding the sharpened edge of said blade normally in contact with the plate close to the guard fingers and in the path of the sharpening element, and means extending from the sharpening element and mounted for right line movement in the slot in the plate for actuation by the wheel when rotated back and forth, said means and the wheel cooperating to reciprocate said sharpening element between the cutting edge of the held blade and the guard fingers and to withdraw said element from engagement with the cutting edge into position between the slotted plate and the held blade.

2,200,247

BACK REST FOR USE IN A BATHTUB

Anna M. Haas, Chicago, Ill.

Application March 28, 1938, Serial No. 198,403
4 Claims. (Cl. 4—185)



1. In a body support for use in a bathtub or the like, the combination of a back supporting portion, said back supporting portion having opposed, downwardly extending spaced members forming supports therefor, a neck encircling head supporting member adjustably carried by said back portion, and a cross member extending between said supports below said back supporting portion to form a hanger adapted to receive a slippage preventing mat covering a portion of the surface of the tub at the bottom thereof.

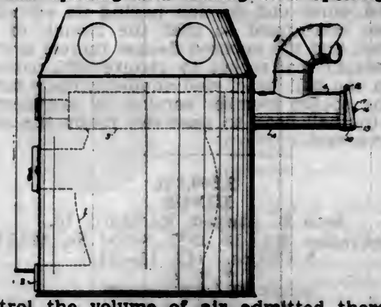
2,200,248

DAMPER DEVICE

Fred B. Hoffman, Cleveland, Ohio

Application June 29, 1938, Serial No. 216,498
4 Claims. (Cl. 126—293)

2. A check damper device for a furnace having a substantially horizontal exhaust flue open at its outer end and an upright stack connected to the flue between the open end and the furnace, and comprising a member normally closing the open end of the flue and having openings for admitting outside air into the flue, an adjustable damper cooperable with said member for opening and closing said openings to



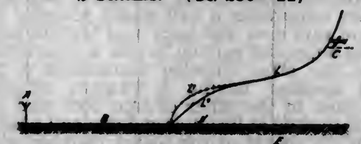
control the volume of air admitted thereinto, and means carried by said damper for deflecting the admitted air as an annular swirling stream directed along the flue toward the furnace.

2,200,249

SYSTEM FOR LANDING AIRPLANES

Walter Max Hahnemann, Berlin-Marienfelde, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application December 9, 1937, Serial No. 178,897
2 Claims. (Cl. 250—11)



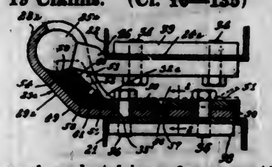
1. A system for landing aircraft, comprising a landing ground composed of zones of different electrical conductivity, radio means for producing a glide path to a zone of relatively high conductivity, and means comprising a conductive medium having a gradually decreasing conductivity intermediate said relatively high conductivity and the conductivity of a zone of relatively low conductivity for effecting a gradual transition between said zones whereby the glide path will merge into said zone of high conductivity at an acute angle.

2,200,250

HINGE

Seth B. Atwood, Rockford, Ill.

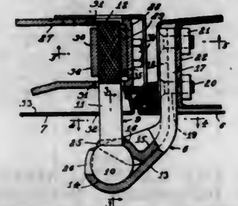
Application March 15, 1937, Serial No. 130,864
19 Claims. (Cl. 16—135)



1. A ball-and-socket hinge for mounting a door on a vehicle body comprising a ball head member having an attaching shank adapted to be secured to one of said door and body and a ball head projecting outwardly therefrom and connected with the shank by a neck portion whereby to space the ball head a predetermined distance outwardly with respect to the outside of the body, and a socket member formed from sheet metal to

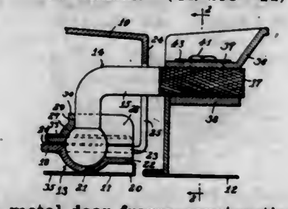
provide an attaching shank portion adapted to be secured to the other of said door and body and an angular outer end portion formed to generally channel-shaped cross-section, the channel-shaped outer end portion having its extremity further conformed so that the trough of the channel and the opposed flanges thereof provide a semispherical socket to receive and partially retain the ball head, and supplementary means on the socket member serving by engagement with the ball head to positively retain the same in the socket.

2,200,251
HINGE
Seth B. Atwood, Rockford, Ill.
Application May 12, 1937, Serial No. 142,111
7 Claims. (Cl. 16—135)



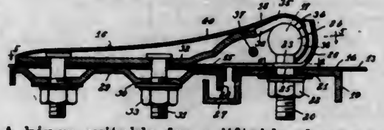
3. In an automobile construction comprising a body and a door therefor, a ball and socket hinge comprising interfitting ball and socket members for mounting the door on the body and projecting outwardly from said body and door, said hinge members comprising a ball socket member fixed to one of said door and body and terminating in an offset outer end portion having a socket therein, and the other member comprising a ball-headed member having a straight attaching shank fixed to the other of said door and body and terminating at its outer end in a ball head entered in the socket of the socket member with a swivel action, the shank of the ball-headed member extending substantially at right angles to the plane of the outside of the door and body but adapted to have the projecting portion thereof bent to an acute angle relationship to said plane, the inner attaching end portion of said shank being cylindrical and knurled and having means for frictionally clamping the same in different positions of endwise and rotary adjustment thereof relative to the associated one of said door and body.

2,200,252
HINGE
Seth B. Atwood, Rockford, Ill.
Application July 30, 1937, Serial No. 156,509
15 Claims. (Cl. 296—44)



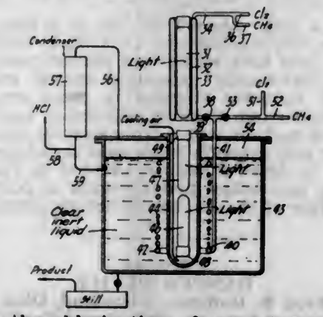
1. In metal door frame construction, the combination of a sheet metal frame member formed to provide a vertical side wall adjacent the hinged edge of a door and a vertical front wall substantially at right angles thereto, the side wall having an elongated opening provided therein to afford working clearance for a concealed door hinge member, means integral with the front wall formed by metal displaced outwardly from said wall to provide a ball socket inside said frame member spaced laterally from the side wall and in substantially the same horizontal plane with said opening, and an angular, ball-ended, door-supporting hinge member extending into said frame member through the opening in the side wall thereof and having an attaching portion attached to the door and a transverse end portion carrying the ball on the end thereof swivelled and retained in said socket, said attaching and end portions being disposed in substantially parallel spaced relation to the front and side walls, respectively, of the frame member in the closed position of the door.

2,200,253
HINGE
Seth B. Atwood, Rockford, Ill.
Application September 23, 1937, Serial No. 165,274
20 Claims. (Cl. 16—148)



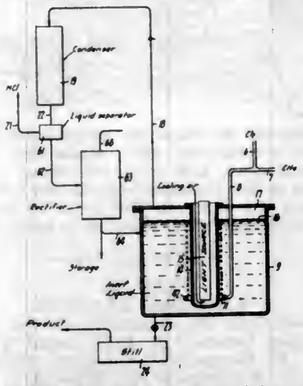
6. A hinge suitable for a liftable closure comprising a ball head member adapted to be affixed to a support next to the closure with the ball head disposed in elevated relation to the top of the support, a socket member comprising an attaching portion adapted to be secured on top of said closure and a socket portion extending from one end thereof and enclosing the top and sides of the ball head, the ball head having a swivel fit in the socket portion, and a curved dirt and weather guard member fixed to said support and extending in substantially concentric relation to the ball head upwardly from the support around the socket end of the socket member and in closely spaced relation thereto.

2,200,254
CHLORINATION
Harry Bender, Antioch, Calif., assignor, by mesne assignments, to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application June 1, 1937, Serial No. 145,734
Renewed July 8, 1939
14 Claims. (Cl. 260—661)



1. In the chlorination of saturated aliphatic hydrocarbons of less than seven carbon atoms in the vapor phase the step of subjecting a chlorine and hydrocarbon mixture at about atmospheric pressure to light promoting said reaction while confining said mixture between surfaces not over 5 mm. apart.

2,200,255
CHLORINATION
Harry Bender, Antioch, Calif., assignor, by mesne assignments, to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application November 21, 1938, Serial No. 241,664
29 Claims. (Cl. 260—661)



1. A chlorination process comprising reacting gaseous chlorine and a hydrocarbon mixture containing at least two different hydrocarbons each having less than seven carbon atoms under the influence of light effectively promoting the reaction while bubbling said chlorine and said mixture up through an irradiated liquid body of liquified products of said reaction.

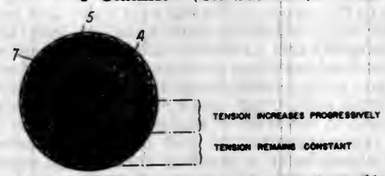
9. A chlorination process comprising reacting chlorine and a hydrocarbon with less than seven carbon atoms in the gas phase in which the chlorine to hydrocarbon ratio is at least one to one by volume, while subjecting the chlorine and hydrocarbon to the promoting activity of light, and maintaining in said vapor phase components providing a partial pressure at least equal to one fourth of the total pressure on said vapor phase at the temperature of operation, said components being products of the reaction substantially inert to the chlorine, to the hydrocarbon, and to any substitution product of the hydrocarbon.

2,200,256
CIGAR BOX OR CONTAINER AND METHOD OF MAKING THE SAME
Irving E. Black, Brooklyn, and Hyman Jacobstein, New Rochelle, N. Y.; said Black assignor to said Jacobstein
Application October 17, 1938, Serial No. 235,532
6 Claims. (Cl. 93—36)



1. The method of making a container having an outer member, an intermediate member, and an inner member comprising independently shifting strips of material in step by step movements into position to dispose portions of the strips in superimposed relation to each other, independently operating upon said strips during movements thereof to form duplicate connected members of predetermined outline, securing the superimposed members in predetermined relation to each other, severing the inner and intermediate members from the strips from which they are formed, and severing the outer member from the strip from which it is formed.

2,200,257
GOLF BALL
Boris Bogoslowsky, New York, N. Y.
Application September 21, 1937, Serial No. 164,851
4 Claims. (Cl. 273—62)

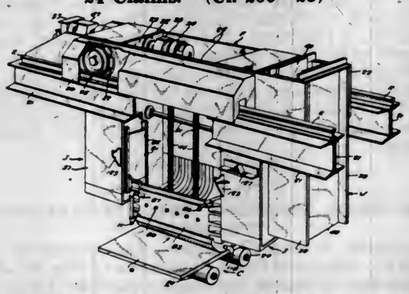


1. A golf ball having a substantial portion of its volume formed of successive convolutions of rubber strand in a state of tension progressively increasing from the inner of said convolutions to the outer of said convolutions, and another substantial portion of its volume formed of successive convolutions of rubber strand in a state of substantially equal tension.

2,200,258
BORON CARBIDE COMPOSITION AND METHOD OF MAKING THE SAME
John A. Boyer, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application May 9, 1938, Serial No. 206,839
12 Claims. (Cl. 75—136)

1. The method of making a metal bonded article containing boron carbide which comprises alloying the boron carbide by a fusion process with sufficient metal to form, upon fusion and solidification an alloy, the metal components of the alloy having lower melting points than boron carbide, in which the metal forms a substantially continuous matrix for the deposited crystals of boron carbide, disintegrating the alloy so formed, and thereafter bonding the disintegrated particles at a lower temperature than that used in forming the original alloy.

2,200,259
APPARATUS FOR CONDITIONING THE SURFACES OF METAL BODIES
James H. Bucknam, Cranford, Alfred J. Miller, Garwood, and Arthur M. Keller, Livingston, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application February 9, 1939, Serial No. 255,398
24 Claims. (Cl. 266—23)



1. Apparatus for thermo-chemically removing surface metal from a ferrous metal body such as a steel slab comprising a blowpipe head having nozzle means adapted to project a substantially sheet-like stream of oxidizing gas obliquely against a relatively wide area of a surface of said

slab; a frame for supporting said head; means for supporting said slab in a position for surfacing treatment; means for effecting relative movement of said head with respect to said slab in a direction along said surface of and from one edge to the opposite edge of said slab; and mechanism for supporting said head on said frame constructed and arranged to maintain said nozzles in the operating position with respect to said surface by providing both limited perpendicular movement of said head in accordance with changes in the level of said surface and also limited lateral canting of said head in response to any lateral twist or warp of the surface encountered during said relative movement.

2,200,260

METHOD AND COMPOSITION FOR IMPROVING DIESEL FUEL IGNITION

Alvin A. Burton, Albany, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 1, 1939, Serial No. 271,169
12 Claims. (Cl. 44—9)

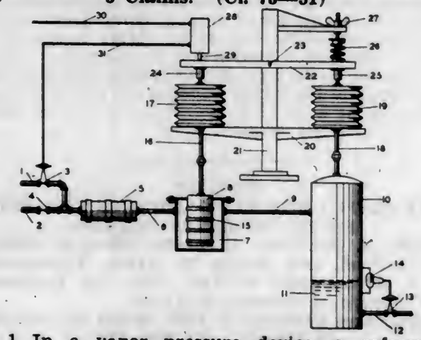
1. An improved Diesel fuel comprising a hydrocarbon fuel oil containing between about 0.1% and about 10.0% by weight of chloropicrin.

2,200,261

VAPOR PRESSURE DEVICE

Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application January 3, 1938, Serial No. 183,223
3 Claims. (Cl. 73—51)



1. In a vapor pressure device, a reference standard containing liquid of the vapor pressure desired, a receiving drum for the blended liquid, a pair of Sylphon bellows, one connected with the reference standard and the other with the receiving drum and affected by the vapor pressure of the liquids, a balance beam, and said bellows being attached to opposite ends of said balance beam.

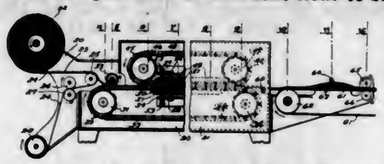
2,200,262

RUBBER MOLDING AND VULCANIZING PROCESS

Frederick M. Daley, Shelton, and Ludolf H. De Wyk, Ansonia, Conn., assignors to The Sponge Rubber Products Company, Shelton, Conn., a corporation of Connecticut

Application May 18, 1936, Serial No. 80,314
10 Claims. (Cl. 18—55)

1. The process of converting a plurality of separate strips of expandable unvulcanized material into an integral vulcanized sheet of unlimited length which includes the steps of continually conveying said plurality of separate strips simultaneously at equal speed in the direction of their length in spaced and parallel respective paths of travel in the presence of sufficient heat to soften



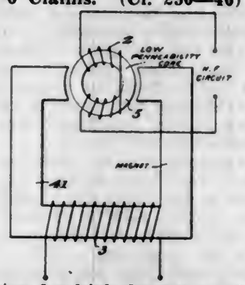
the material of adjacent strips and cause the same to spread and unite while the strips are being conveyed, and then conveying the united material in the presence of sufficient heat to fully vulcanize the same in the form of an integral sheet while the united material is being conveyed.

2,200,263

VARIABLE REACTOR

Leon Ladislaus De Kramolin, Berlin, Germany

Application October 19, 1934, Serial No. 749,088
In Germany October 23, 1933
6 Claims. (Cl. 250—40)



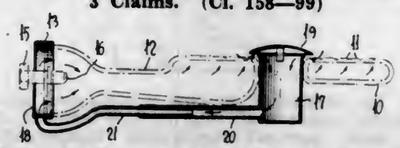
1. A reactor for high frequency electrical circuits, comprising a high frequency core of subdivided ferro-magnetic material; said core being of a low order of magnetic permeability, a coil on said core associated with the high frequency electrical circuit, and an electromagnet in the field of which said core is arranged, said magnet being sufficiently powerful to saturate at least approximately the low permeability core.

2,200,264

GAS BURNER

John H. Dennis, West Islip, and James V. King, Islip, N. Y.

Application August 23, 1937, Serial No. 160,534
3 Claims. (Cl. 158—99)



1. An attachment for a gas burner including a burner head and a conduit for conveying a gas-air mixture to said burner head, the latter being arranged at one end of said conduit, said conduit being provided with an air inlet at its other end and with a regulable air shutter at said inlet, said attachment comprising a stationary upwardly-opening sleeve member associated with said burner head with its upper end positioned adjacent the burner flame, a tube extending from the lower end of said sleeve member along and

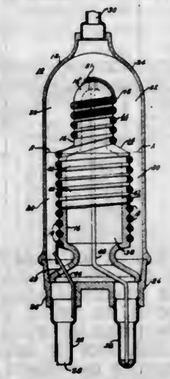
in juxtaposition to said conduit to a point beyond said air inlet and shutter, and means extending from said tube over said inlet and shutter for sealing said inlet against access to air other than air from said tube and for deflecting air from said tube to said air inlet.

2,200,265

ELECTRIC STEAM GENERATOR

Karl Ehrgott, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 26, 1938, Serial No. 210,190
4 Claims. (Cl. 219—39)



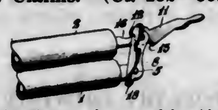
1. A steam generator comprising, in combination, an envelope, and an immersion heater adapted to be positioned therein, said heater including a core and a heating element wound thereabout, the core and associated heating element having a relatively large diameter water-heating portion and abruptly changing in mid portion to a smaller diameter steam-heating portion.

2,200,266

HAIR CLAMP

Ralph L. Evans, Bay Shore, N. Y.

Application December 3, 1937, Serial No. 177,851
12 Claims. (Cl. 132—36.1)



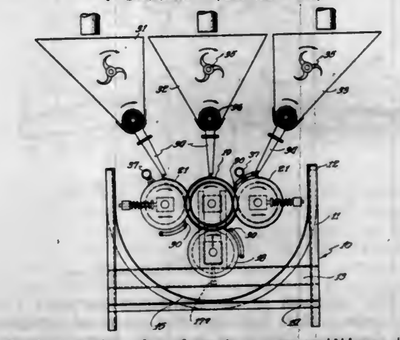
1. In a hair clamp, in combination, two clamp members hinged together at one end, a link pivoted to the opposite free end of one of said clamp members, cam mechanism carried by the free end of said link, said cam mechanism having a pick-up portion adapted upon actuation of said cam mechanism in one direction to engage the free end of the other clamp member and having a cam portion adapted upon further movement of said cam mechanism in the same direction to force said clamp members together, and having a kick-off portion adapted, after said cam mechanism is actuated in reverse direction freeing said cam portion, to engage the free end of said last mentioned clamp member and upon further movement in said reverse direction to force said cam mechanism out of the path of said clamp member to permit the clamp to be opened, and means to limit the movement of said link to a position in which, after the clamp members have again been moved into juxtaposition, said pick-up portion, when actuated, will again engage and pick up said free end of said last mentioned clamp member.

2,200,267

METHOD AND MEANS FOR PRODUCING PIPES OF CEMENTITIOUS MATERIAL

John Ferla, Chicago, Ill., assignor to Levi H. Blouch, Merchantville, N. J.

Application June 6, 1938, Serial No. 212,071
7 Claims. (Cl. 25—30)



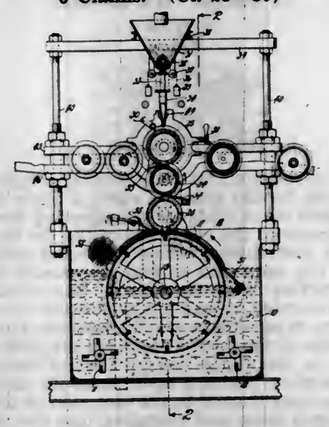
6. Apparatus for forming cementitious tubes, including a mandrel, a plurality of calender rollers cooperating with said mandrel, means for uniformly rotating said mandrel and said rollers, means for feeding dry material to said mandrel and said rollers, and means for simultaneously moistening the material on said rollers to superpose moist coatings on the dry coating of the mandrel.

2,200,268

APPARATUS FOR MANUFACTURING PIPES FROM A CEMENTITIOUS COMPOSITION

John Ferla, Chicago, Ill., assignor to Levi H. Blouch, Merchantville, N. J.

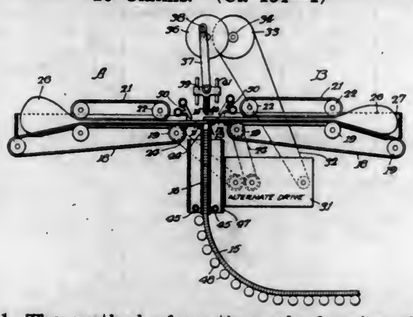
Application September 22, 1938, Serial No. 231,096
6 Claims. (Cl. 25—30)



1. In an apparatus for producing pipes from a cementitious composition, a vat containing liquid composition, a molding screen partly submerged in said liquid composition and rotatably mounted in said vat, a runway above said screen extending transversely thereto, a mandrel adapted to roll in said runway, and means for arresting said mandrel in position to receive a layer of compo-

sition from said screen, said runway being at a height above said screen to permit cooperation between said mandrel and said screen.

2,200,269
SHEET FORMING APPARATUS AND METHOD
Albert C. Fischer, Chicago, Ill.
Application March 20, 1936, Serial No. 69,814
16 Claims. (Cl. 154—1)



1. The method of continuously forming thin hard slabs which includes the steps of continuously forming strips of a width approximately equal to the thickness of the desired slabs of a plastic and cohesive material capable of hardening, continuously and successively pressing said strips together into adhesive engagement with each other while the material is in its plastic state to form a sheet having the edges of said strips exposed on its face, cutting slabs from said sheet, and causing said slabs to harden.

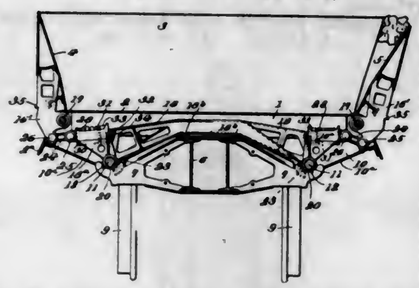
2,200,270
APPARATUS FOR MAKING TILES FROM CLAY PRODUCTS
Raymond M. Flores, Mineral Wells, Tex., assignor of one-half to H. E. Ellis, Mineral Wells, Tex.
Application November 29, 1937, Serial No. 176,960
4 Claims. (Cl. 25—105)



3. A cutting unit for tile forming, comprising a hollow die having one end open, a plate slidable within said die, a center post projecting from said plate, means at the other end of the die for guiding said post, means normally forcing said plate toward the open end of said die, means on said post limiting said movement, adjustable stop means mounted in said die in position to contact a portion of said plate spaced from the post upon movement of the plate away from the open end of the die to limit said last mentioned movement, and said plate having a continuous fin projecting from the edge thereof in the direction of the open end of said plate and rounding into the body of said plate.

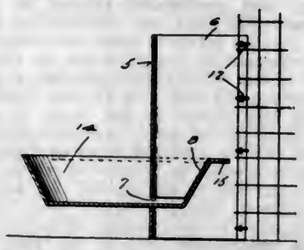
4. A cutting unit for tile forming, comprising a hollow die open at one end and closed at its opposite end, a tubular portion extending centrally and outwardly from the closed end of said die, a post slidably arranged within said tubular portion, a plate secured to that end of said post within the die, an expansion spring encircling said post and bearing against said plate and the closed end of said die, a nut threaded upon the outer end of said post and engageable with said tubular portion, and screws threaded through the closed end of said die and projecting into the latter to limit the travel of the plate inwardly from the open end thereof.

2,200,271
DUMP VEHICLE
Henry Fort Flowers, Findlay, Ohio
Application July 21, 1937, Serial No. 154,891
12 Claims. (Cl. 105—276)



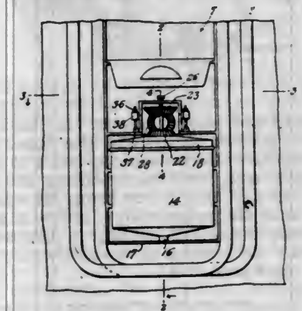
1. In a dump vehicle, an underframe having fulcrum supports at opposite sides thereof, a dump body having trunnions adapted to engage the fulcrum supports, on which trunnions said dump body may be tilted for dumping, a downfolding door at each side of said body, stops for limiting the opening movement of each door, independent door controlling devices for each door including a main control arm pivotally connected to said body at one of said trunnions and adapted to engage the fulcrum support on the underframe at the other trunnion, an auxiliary control arm pivotally connected to said body at the trunnion support, a link connecting said auxiliary arm to the door with which it is associated, said auxiliary arm being adapted to abut against the main arm when the body is in normal position for loading and for transport for holding the doors closed and for controlling the opening and closing of the door when the body is tilted, said auxiliary arm being adapted to move away from said abutment on the main controlling arm when the door is fully opened so as to permit a further tilting movement of the body.

2,200,272
POULTRY FOUNTAIN
Lars Haga, Plummer, Minn.
Application March 30, 1939, Serial No. 265,029
3 Claims. (Cl. 119—72)



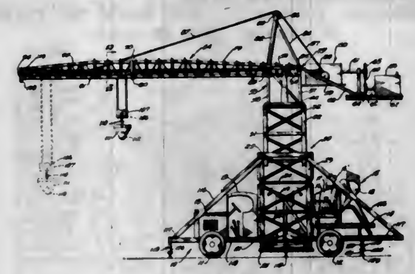
1. In a device of the class described, a vertically arranged barrier member of substantially trough-shape in plan to provide a bight and a pair of wings, said member having a pan receiving opening therein, said opening including a horizontal slot-like part passing through the bight and portions of the wings, the bottom wall of said slot-like part forming a seat for the bottom of a pan and said opening also including upwardly extending slot-like portions located in the wings and having their lower ends connected with the horizontal part, said upwardly extending portions receiving portions of the side walls of a pan with that part of the member between the horizontal and upwardly extending parts of the opening depending into the pan.

2,200,273
ICE-CREAM FREEZER FOR ELECTRICAL REFRIGERATORS
Roy Hamilton and Robert Hudson, Merced, Calif.
Application November 9, 1938, Serial No. 239,716
2 Claims. (Cl. 62—114)



1. In a domestic refrigerator having a cabinet provided with a rear wall equipped with a recess accessible from the exterior of said cabinet, said cabinet also having therein an ice tray-receiving chamber surrounded by refrigerating coils, said ice tray-receiving chamber having a horizontal partition therein dividing said chamber into upper and lower sections, said partition at the front edge thereof terminating short of the front end of said chamber and provided at said front edge with a gear case, a bearing member mounted in the bottom of the lower section of said chamber, and in substantial alignment with said gear case, an ice-cream freezer including a container provided on the bottom thereof with a stud adapted to be journaled in said bearing, and a dasher revolubly mounted in said container and having a shaft provided at its upper free end with a squared terminal, a gear rotatably mounted in said gear casing and supported therein for vertical movement, said gear having therein a socket complemental to the squared terminal of said dasher shaft for receiving said terminal, a lid for said container having an aperture therein to accommodate the dasher shaft and also provided with a gear thereon accommodated within said gear case when the freezer is positioned within the lower section of said chamber, a gear on one end of said shaft and arranged within said gear case and meshing with the first and second-named gears, a power unit mounted within the aforementioned wall recess, said shaft having an end thereof terminating within said recess, and gearing connecting said power unit with said shaft for driving the latter from said power unit, the first, second and third-named gears intermeshing for transmitting drive from said shaft to the dasher and container simultaneously for rotating said dasher and container in reverse directions relative to one another.

2,200,274
PORTABLE CRANE
Hal Hayes, Los Angeles, Calif.
Application November 26, 1938, Serial No. 242,551
4 Claims. (Cl. 212—49)



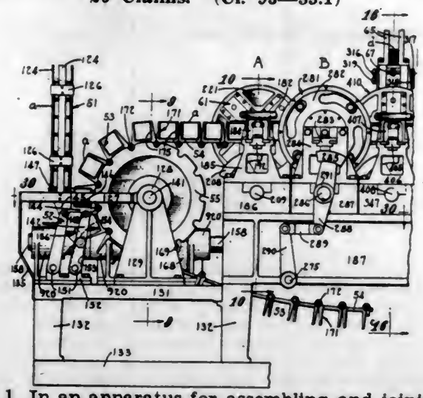
1. A device of the character described comprising a motor vehicle, a telescoping tower mounted thereon, means optionally driven by the power plant of the vehicle for extending and contracting said tower, a boom formed of a plurality of folding sections, one of which is supported by the tower whereby the boom will overhang the tower, conveying means on the boom, power means for the conveyor, said power means being mounted on the tower in a manner to counterbalance the boom, a turntable structure driven by said power means whereby the boom may be swung in a horizontal plane, and means associated with the power means for raising and lowering the boom.

2,200,275
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 12, 1938, Serial No. 201,599
6 Claims. (Cl. 220—1)



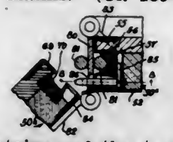
2. A single service tamper-proof container formed to prevent undetected substitution of the container contents which comprises, a can body having a plurality of weakened score lines cut in the interior surface of the body wall one end of each score line terminating adjacent an edge of said body, and a can end interengaged with said body in a seamed joint which includes a part of said score lines, said score lines insuring fracture of the body wall material at the area thereof and at the seam in the event that the can body and can end connection is disturbed by an unbending of the body wall as when attempting to open and reclose said container at its seamed joint.

2,200,276
CAN END ASSEMBLING MACHINE
John M. Hothersall, Brooklyn, N. Y., and John H. Murch, East Orange, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application October 31, 1938, Serial No. 238,094
20 Claims. (Cl. 93—55.1)



1. In an apparatus for assembling and joining parts of fibre containers, the combination of a fibre can body holding element, beading devices for beading an end of said held body to provide an inner shoulder in said body wall, instrumentalities for inserting a fibre can end in the end of said beaded can body and seating the same on said beaded shoulder, and means for joining said inserted can end and said beaded can body by folding inwardly the end of said beaded body wall adjacent said shoulder to lie flat against the peripheral portion of said can end.

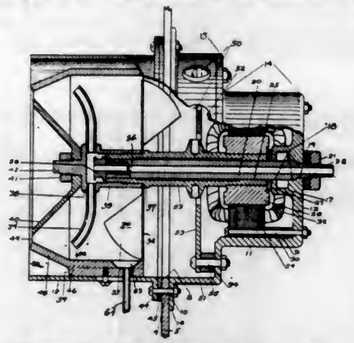
2,200,277
CONTAINER
Alexander Howie, Cleveland Heights, Ohio
Application September 21, 1936, Serial No. 101,768
3 Claims. (Cl. 189—46)



1. In a container of the type having a door opening and doors for closing said opening, each of which doors comprises at least two sections; means for permitting one of the door sections to be selectively folded against the inner or outer surface of the other section, said means comprising a hinge bar, hinge plates pivotally connected to the edge of said bar and secured to the front of one of the door sections adjacent one edge, hinge plates pivotally connected to the opposite edge of said bar and secured to the rear of the other door section adjacent one edge, and means for locking said bar against movement relatively to one of said sections.

2,200,278
OIL BURNER
William G. Johnston, Philadelphia, Pa., assignor to Motor Parts Company, a corporation of Pennsylvania
Application February 9, 1933, Serial No. 655,871
Renewed February 13, 1939
11 Claims. (Cl. 158—53)

1. In a liquid fuel burner, two generally concentric and generally annular shells, defining two generally concentric passageways, one disposed within the other, the inner shell being in the form of an annular metallic wall, an air mover for effecting a movement of air and gases through said two passageways in opposite directions, the intake end of each of said passageways being generally adjacent to the discharge end of the other passageway, a rotary oil distributor co-

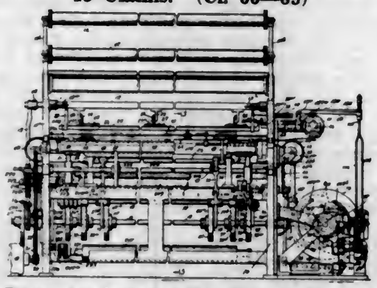


axially disposed with respect to said mover adapted to project oil against the inner surface of said metallic wall separating the two annular passageways, at a zone intermediate the ends of said wall, said oil distributor being disposed within one of said air passageways, and the passageway in which said oil distributor is disposed being of gradually decreasing cross-sectional area towards its discharge end.

2,200,279
PROCESS FOR MAKING FATTY ACIDS
Hans Kaufmann, Munster, Westphalia, Germany
No Drawing. Application November 18, 1936, Serial No. 111,489. In Germany October 11, 1933
6 Claims. (Cl. 260—409)

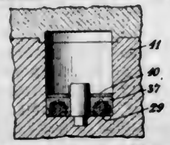
1. Process for the production of fatty acids with a required high degree of saturation from oils and fats, by the steps of hydrogenation and saponification, characterised in that initially one of said steps is effected singly up to a partial stage, whereafter both steps are jointly carried on to simultaneous completion in the same apparatus.

2,200,280
KNITTING MACHINE
Ferdinand Klumpp and Fritz Lambach, Weehawken, N. J.; said Lambach assignor to said Klumpp
Application November 13, 1935, Serial No. 49,453
15 Claims. (Cl. 66—85)



1. In a warp knitting machine, means for laying filler thread comprising a carrier, a flexible transmission band having openings, a carriage for said carrier, said carriage being selectively fixable on said band at openings thereof to determine the stroke of said carrier in accordance with the length of filler desired to be laid, means for imparting a non-uniform reciprocating motion to said band, means for limiting the extent of said motion, and means for selectively connecting and disconnecting said carrier from said band.

2,200,281
ART OF SETTING DIAMONDS FOR INDUSTRIAL PURPOSES
Charles J. Koebel, Detroit, Mich.
Application July 28, 1937, Serial No. 156,223
9 Claims. (Cl. 76—108)



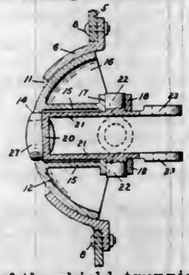
1. The method of setting a diamond for industrial purposes which consists in: sintering a compressed body of comminuted metallic material composed principally of iron having a slight admixture of cobalt and copper to form a relatively soft porous carrying member; preliminarily positioning a diamond on the carrying member thus produced; applying to that surface of the carrying member on which the diamond is carried a layer of comminuted metallic material of substantially the same character as that originally used in producing the carrying member; applying a body of copper to the surface of the layer of comminuted material; and subjecting the assemblage to heat at a temperature lower than that used in sintering the carrying member but sufficiently high to sinter the layer of comminuted metallic material and to cause the copper to insinuate itself into the carrying member to thereby harden the latter and set the diamond permanently.

2,200,282
VAPOR PHASE CATALYTIC HYDROGENATION OF ADIPONITRILE
Wilbur A. Lazier, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 17, 1938, Serial No. 196,369
6 Claims. (Cl. 260—239)

1. The process which comprises catalytically hydrogenating adiponitrile in the vapor phase in the presence of an excess of ammonia and of hydrogen.

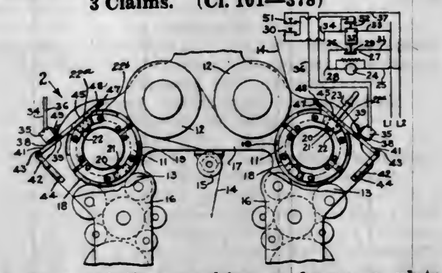
2,200,283
UNIVERSAL MOUNTING
Robert J. Lennon, East Moline, Ill.
Application October 11, 1937, Serial No. 168,437
3 Claims. (Cl. 89—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a universal mounting, a supporting wall having an opening, a hemispherical frame attached to the wall and projecting through the opening therein, said frame having an opening in its projecting portion and having substantially vertical aligned bearings disposed within the supporting wall, a shield having a hemispherical external surface fitting in the frame and having a vertically extending cylindrical internal surface, said shield having a vertically elongated opening in the cylindrically surfaced portion, trunnions on the shield mounted in the bearings of the frame, webs in the interior of the shield and provided with spaced horizontally aligned bearings, a cradle having parallel sides and a cylindrical wall fitting in the cylindrically sur-



faced portion of the shield, trunnions on the side walls of the cradle and mounted in the bearings of the shield, means on the cradle for attachment of a member, and the cylindrical wall of the cradle having an opening adapted to receive and support the member and having a projecting annular lip disposed in the elongated opening of the shield.

2,200,284
CONTROL DEVICE FOR PRINTING MACHINES
William Lewis, Cleveland, Ohio, assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application January 15, 1938, Serial No. 185,168
3 Claims. (Cl. 101—378)



1. In a printing machine, a frame, a plate cylinder journaled in said frame and having plate-clamping mechanism mounted thereon including axially slidable plate clamps, an electric motor for rotating said plate cylinder, a control switch for said motor, the plate-clamping mechanism having a tool-receiving socket pivotally supported relative to the cylinder on an axially-extending pivot and operable to operate the plate clamps, the socket extending radially from its pivotal support and swingably operable in a plane perpendicular to the cylinder axis, a straight bar pivotally secured at one terminal relative to the frame and extending perpendicularly across the cylinder so that when in normal position a portion of the bar radially covers the tool-receiving socket, yieldable means engaging the opposed terminal of the bar for maintaining the bar in normal socket-covering position, the socket securing an operating tool which is radially insertable therein when the said bar is axially moved from its normal socket-covering position, the radial positioning of the tool into the tool-receiving socket being prevented by the interposition of the said bar when in its normal position, the

control switch being operably connected with the said bar and movable to circuit breaking position by the movement of the bar from its normal socket-covering position thereby breaking the electric circuit to the electric motor to prevent the operation of the motor while the bar is biased away from its normal position by the presence of the radially-disposed operating tool in the tool-receiving socket.

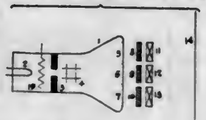
2,200,285

TELEVISION IN NATURAL COLOR

Robert Lorenzen, New York, N. Y., assignor of thirty-three and one-third per cent to George H. Callaghan, thirty-three and one-third per cent to Felix Spiegel, both of New York, N. Y., and thirty-three and one-third per cent to himself

Application June 22, 1937, Serial No. 149,562

12 Claims. (Cl. 178—5.4)



1. In a television system, means for receiving television images in natural colors, including a single cathode ray oscillograph comprising a cathode, a single modulating electrode, an anode, deflecting devices, and a fluorescent screen divided into three distinct and separate areas such that one of these areas emits light of one of the primary colors, a second area emits light of a second primary color, and the third area emits light of the third primary color whereby the entire screen is scanned by a single cathode ray beam.

2,200,286

UNINEGATIVE MULTICOLOR PLANOGRAPHY

Gustave R. Lukesh, Pasadena, Calif., and John G. Goedike, San Antonio, Tex.

No Drawing. Application April 13, 1939, Serial No. 267,676

7 Claims. (Cl. 95—5.2)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for making a multicolor reproduction from a single monochromatic original which consists in making a plurality of variably timed exposures of said original upon a succession of light sensitive surfaces, each surface having a different sensitivity than the others thereof, varying from a slight sensitivity to an extreme sensitivity, the sensitivity of the surfaces being related to the colors intended and the timing of the exposures of said original upon said light sensitive surfaces being directly related to the sensitivity of said surfaces, developing said exposed light sensitive surfaces to form a plurality of printing surfaces, coating said developed light sensitive surfaces with inks of variable color selected with respect to the sensitivity of said surfaces and with respect to the timing of the exposures of said original upon said light sensitive surfaces and successively impressing each of said coated surfaces in proper sequence upon a receiving surface.

2,200,287

TURBINE

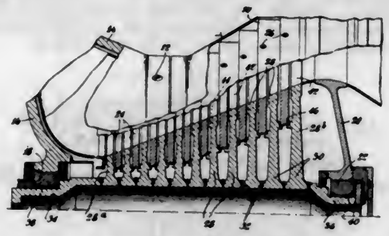
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden

Application May 8, 1937, Serial No. 141,388

In Germany February 10, 1933

9 Claims. (Cl. 253—39)

1. For use in elastic fluid turbines, a build-up integral hollow rotor comprising a plurality of turbine discs having different blade root diameters and a central hollow shaft portion, said discs being generally symmetrical axially with respect to the respective central planes of the discs, said shaft portion being formed by axially abutting



parts including the hub portions of said discs and said parts being united by welding, said shaft portion constituting the sole means for retaining the discs in axially assembled relation and the radially outer portions of said discs being in axially spaced relation.

2,200,288

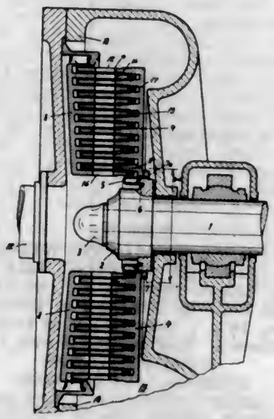
BLADED DISK FOR RADIAL FLOW ROTARY MACHINES

Ulrich Meininghaus, Mulheim-Ruhr, Germany

Application January 31, 1938, Serial No. 187,961

In Great Britain February 2, 1937

14 Claims. (Cl. 253—79)



1. A thin walled blade-carrying disk for radial flow rotary machines, in particular steam or gas turbines, having axially extending rings formed by grooves cut into the body of the disk down to a certain residual depth and carrying blades at their outer ends, a shaft, the disk being supported by an elastic member connected with the shaft, thereby permitting the disk to take up an oblique position and the rings to become distorted under the influence of one-sided loads, the inner rings having an axial length which is at least equal to half the square root of the product of the mean ring diameter of said inner rings and the radial thickness of the ring at the bladed end, and the radial ring thickness at the root end being greater than that of the bladed end and a shoulder on the shaft arranged to be engaged by a corresponding surface on the rear of the disk to transmit thrust and torque to said shaft and thereby relieve the said elastic member.

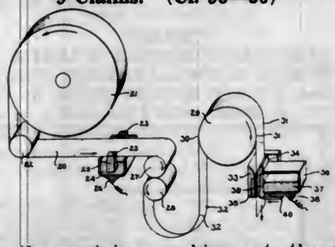
2,200,289

CONTAINER AND METHOD OF MAKING THE SAME

George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware

Original application August 17, 1937, Serial No. 159,505. Divided and this application September 10, 1938, Serial No. 229,235

9 Claims. (Cl. 93—36)



1. In the container making art, the method which includes impregnating the raw edges of a strip comprising fibrous material with a moisture-repellent substance, simultaneously cutting blanks of predetermined length from said strip and impregnating the severed edges with a moisture-repellent substance, and adhesively joining the ends of said blanks to form container bodies.

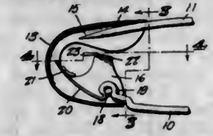
2,200,290

SAFETY PIN

Paul K. Morris, Uniontown, Pa.

Application May 11, 1939, Serial No. 273,107

5 Claims. (Cl. 24—157)



1. A safety pin comprising a frame having a springy pointed tine, an eccentric movable shield connected with said frame and receiving the pointed end of said tine, a keeper formed with the shield and laterally spread to opposite sides of the frame, cheeks formed with the shield and directed toward the said keeper and having a seat for receiving the pointed end of said tine when engaged in the shield, and a spring associated with the frame and coacting with the shield for tensioning the same under eccentric movement thereof.

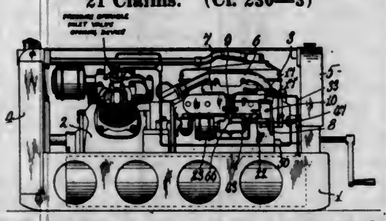
2,200,291

PUMPING APPARATUS

Win W. Paget, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application January 5, 1937, Serial No. 119,123

21 Claims. (Cl. 230—3)



1. In combination, a pump, an internal combustion driving engine therefor connected thereto in driving relation, unloading means for said pump, a throttle for said engine, and means made operative by engine intake vacuum for controlling said throttle and said unloading means.

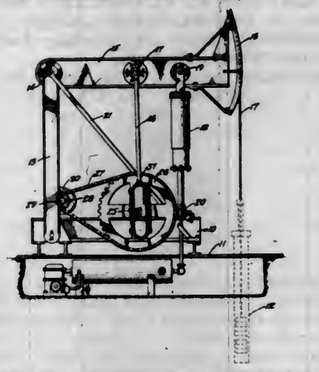
2,200,292

GEARED RACK AND PINION

Edgar W. Patterson, Long Beach, Calif., assignor of one-half to C. M. O'Leary, Jr., Los Angeles, Calif.

Application July 16, 1937, Serial No. 154,081

11 Claims. (Cl. 74—41)



1. A mechanical movement for translating a rotary driving action to a rectilinear driven action which comprises a rotatable drive shaft mounted in fixed bearings, a driving pinion fixed upon said shaft, a driven gear rack encircling said pinion and having an inner gear in constant mesh with the pinion, a pair of inner and outer guide surfaces upon the rack and in opposition to each other at each side of the rack gear while conforming to the configuration of the rack, freely rotatable guide rollers having an axis common to the drive shaft and engaging the inner guide surfaces to limit the depth of mesh of the teeth of the rack gear and pinion, freely rotatable arms having a rotating axis common with the axis of the drive shaft at opposite sides of the rack, and guide rollers freely rotatable upon the free ends of said arms and engaging the outer guide surfaces of the rack to maintain the rack and pinion in constant uniform mesh.

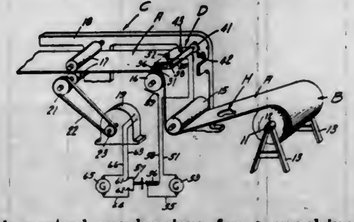
2,200,293

CONTROL MECHANISM

Nicholas Pelosi, Newark, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application December 30, 1937, Serial No. 182,637

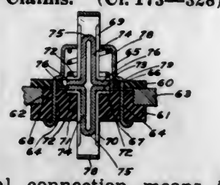
7 Claims. (Cl. 192—127)



1. A control mechanism for a machine operating on a web of insulating material fed therethrough, comprising in combination: feeding

means including an electric motor for advancing the web through the machine, a metal detector roller over which said web passes, a flexible metallic brush pivotally mounted above said metal roller and normally held separated and insulated therefrom by said web, said metallic brush being adapted to make electrical connection with said detector roller when an opening in said web breaks the insulation by allowing engagement between brush and roller, such electric connection stopping said motor and travel of said web.

2,200,294
ELECTRICAL CONNECTION MEANS
Charles S. Penfold, Bronson, Mich., assignor to Kingston Products Corporation, Kokomo, Ind., a corporation of Indiana
Application June 21, 1937, Serial No. 149,515
7 Claims. (Cl. 173—328)



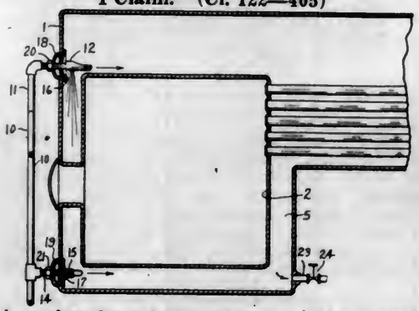
3. Electrical connection means including in combination, a support, a pair of tubular means carried by said support, each tubular means having at one extremity an aperture for receiving a terminal and transverse portions adjacent the other extremity, inflexible means slidably arranged substantially within the confines of said tubular means, a detent provided adjacent each extremity of said inflexible means and abutment means provided on said inflexible means intermediate said detents, said abutment means being arranged between the transverse portions of said tubular means for normally maintaining said tubular means in spaced apart relation, and resilient means resiliently supporting said tubular means and said inflexible means upon said support and acting to hold said transverse portions in engagement with said abutment means to position said detents in said terminal receiving apertures whereby insertion of a terminal into either of said apertures will cause relative movement between at least one of said tubular means and said inflexible means.

2,200,295
METHOD OF ASSEMBLING CONTAINERS
John F. Peters, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 4, 1938, Serial No. 238,913
3 Claims. (Cl. 93—55.1)



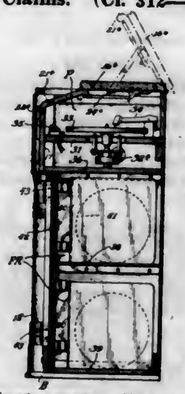
1. The method of assembling knock-down fibre containers, which comprises providing a collapsible completely formed body which may be shipped in the flat, providing completely formed end members for said body, each of said end members comprising a metallic annulus having formed outwardly inclined flanges for attaching them to said body and an intermediate inwardly pressed peripheral channel, reforming said collapsed body by expanding it into body shape, placing said end members on said body over the open ends thereof, and reforming said flanges by bending them inwardly by radially exerted pressure against the sides of the body to embed the reformed flanges into the body side wall and pressing said body side wall into said inwardly pressed peripheral channels of said end members, thereby producing end seams which unite the end members with the body.

2,200,296
AUTOMATIC BOILER WASHER
William L. Pearce, Houston, Tex.
Application October 18, 1938, Serial No. 235,558
1 Claim. (Cl. 122—405)



A washer for a boiler having a water chamber surrounding the fire box of the boiler and comprising nozzles anchored to the forward wall of the boiler, one on each side of and beneath the fire box and one arranged above the crown sheet of the fire box, each nozzle having spray nozzle openings adapted to spray a washing fluid in mutually perpendicular planes, said upper nozzle being positioned to discharge said fluid on top of and on the forward wall of the fire box to wash above and in front of the fire box and the lower nozzles being positioned to discharge said fluid below the fire box, to thereby wash beneath firebox and means for supplying washing fluid to the nozzles for performing said washing operations simultaneously.

2,200,297
COMBINED PHONOGRAPH AND RADIO
Henry T. Roberts, Chicago, Ill., assignor to Seeburg Radio Corporation, Chicago, Ill., a corporation of Illinois
Application March 21, 1938, Serial No. 197,074
3 Claims. (Cl. 312—189)



3. In a cabinet construction, a cabinet having

compartments, a top wall covering said compartments, slidably mounted covers for said compartments, said covers being similar in appearance and aligned with each other to give a symmetrical appearance to said compartments when said cover members are closed, and a hinged lid constituting a part of the top wall of said cabinet and being similar in appearance to the fixed part of said top wall, one of said cover members being carried by said lid.

2,200,298
MODIFIED FATTY ALCOHOL AND PROCESS FOR PRODUCING SAME
Edwin A. Robinson, Chatham, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application April 13, 1939, Serial No. 267,722
20 Claims. (Cl. 28—1)

15. A process of treating textiles which comprises treating a textile material with an agent comprising a blown fatty alcohol composition having an iodine value between about 25 and about 150, and an acetyl value greater than that of the corresponding unsaturated fatty alcohol composition by an amount between about 2 and about 75.

2,200,299
FATTY ALCOHOL DERIVATIVE
Edwin A. Robinson, Chatham, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application April 13, 1939, Serial No. 267,723
23 Claims. (Cl. 260—458)

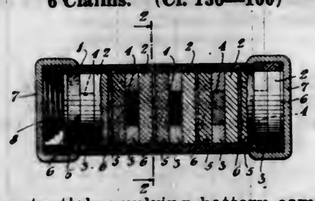
1. The reaction product of a compound selected from the group consisting of inorganic oxygen-containing acids and derivatives thereof capable of forming esters and a blown fatty alcohol composition.

2,200,300
REFLECTION ELIMINATION DEVICE
John M. Roper, Washington, D. C.
Application August 4, 1937, Serial No. 157,377
1 Claim. (Cl. 88—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



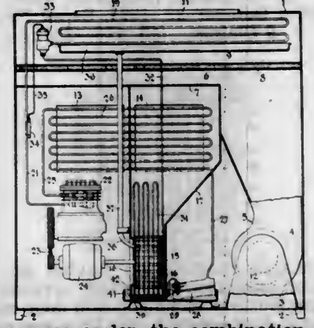
Means for preventing reflected images of an instrument face lighted with unpolarized artificial light from being visible in the windshield of a vehicle to the operator of the vehicle, the light source being invisible to the operator, said reflecting images preventing means comprising a polarizing screen, said screen providing a window in parallel relation to the instrument face, the light rays from the light source reaching the instrument face without passing through said polarizing screen window, said polarizing screen window being mounted for rotation in the plane thereof parallel to the instrument face, the vehicle windshield being at an analyzing angular relation to the polarizing screen window and the instrument face, and means under the control of the operator for rotating said polarizing screen window to the optimum position.

2,200,301
POTENTIAL-PRODUCING CELL
Samuel Ruben, New Rochelle, N. Y.
Application January 22, 1937, Serial No. 121,753
6 Claims. (Cl. 136—100)



1. A potential-supplying battery comprising a negative electrode composed of an electropositive element, a positive electrode formed of a material electronegative thereto, and an electrolyte in contact with both said electrodes, the essential active electrolytic potential producing ingredient of which is a gum of the gum arabic-gum tragacanth class possessing weak electrolytic properties resulting from its normal constituents, said electrodes being substantially insoluble in and substantially unreactive with said electrolyte, whereby said battery suffers negligible deterioration when in use for an electrostatic potential supply or when not in use and is incapable of producing any appreciable current flow when in a closed circuit but is characterized by the ability to produce a potential difference in the absence of current flow.

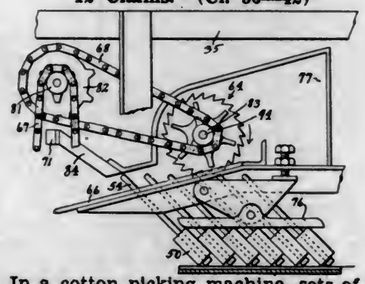
2,200,302
REFRIGERATION
Alonzo W. Ruff, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application May 9, 1938, Serial No. 206,881
2 Claims. (Cl. 62—129)



1. In a room cooler, the combination of a refrigerating circuit containing a volatile liquid refrigerant, and including an air-cooled condenser, a cooler of the surface type adapted to receive liquid condensed in said condenser, a vapor-arresting connection through which said condenser supplies liquid refrigerant to said cooler, an evaporator connected to be fed with liquid refrigerant from said cooler, and means for withdrawing vaporous refrigerant from said evaporator and delivering it at higher pressure to said condenser; means for circulating air in heat exchanging relation with said evaporator and then delivering it to said room to be cooled; means for collecting moisture condensed on said evaporator; means for spraying said moisture against said cooler; and means for circulating condenser cooling air in a path isolated from the room, first in heat exchanging relation with a portion of

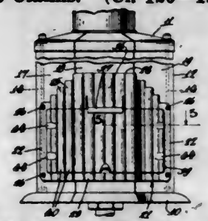
said condenser, then in heat exchanging relation with said cooler and with the moisture sprayed thereon and finally in heat exchanging relation with another portion of said condenser, and for discharging said air to a point external to the room being cooled.

2,200,303
COTTON PICKING MACHINE
John D. Rust, Memphis, Tenn.
Application June 1, 1937, Serial No. 145,853
Renewed November 15, 1938
12 Claims. (Cl. 56—42)



1. In a cotton picking machine, sets of rotating cotton gathering spindles; a set of stripping bars between which the spindles are drawn to remove cotton from the spindles; a rotary doffer located adjacent said bars and comprising a set of circular saws and spacers, said spacers having paddles located between adjacent saws; and means to rottae said doffer, said doffer operating to remove cotton from between said bars.

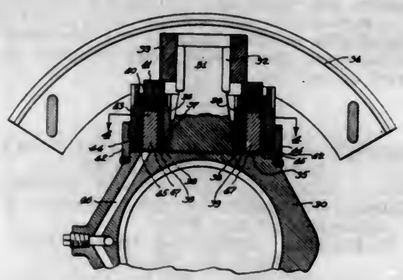
2,200,304
HEATER
Hillard J. Sands, Cleveland, Ohio, assignor to Garry Sands, Cleveland, Ohio
Application October 22, 1938, Serial No. 236,524
8 Claims. (Cl. 126—190)



2. A heater construction having an interior combustion chamber, and a door opening leading to said combustion chamber; and door means for closing said door opening, said door means having embossments therein constructed and arranged to present a minimum of contacting surface to said heater construction, and said door means being also constructed and arranged to define passages for the circulation of air thereabout, and with said limited contacting surfaces, serving to minimize transmission of heat from said door means to the remainder of said heater construction.

2,200,305
PISTON SEAL
Claude Sauzedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich., a corporation of Michigan
Application October 30, 1936, Serial No. 108,351
5 Claims. (Cl. 60—54.6)

1. In a hydrostatic brake, a stationary body, an element movably mounted on said body and guided thereby for movement with respect thereto, a pair of concentric elastic sleeves having a space therebetween providing a fluid pressure



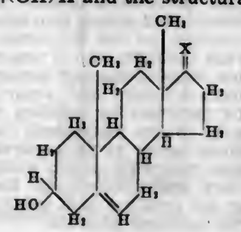
chamber, said elastic sleeves each having one end secured to said stationary body and one end secured to said movable element, and means for conveying fluid under pressure to said pressure chamber.

2,200,306
COMPOUND HAVING REACTIVE METHYLENE GROUPS
Wilhelm Schneider and Alfred Fröhlich, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 21, 1938, Serial No. 220,502. In Germany July 23, 1937
6 Claims. (Cl. 260—310)

1. A process of producing a compound having a reactive methylene group and at the carbon atom next to the methylene group an aliphatic carbon chain of at least 9 carbon atoms, which process comprises reacting a monobasic aliphatic acid chloride with a carbon chain of at least 10 carbon atoms and containing no further reactive substituents on a sodium malonic acid ester, and reacting on the acylmalonic acid ester thus formed a compound having at least one primary amino group and being selected from the group consisting of hydrazine, an organic derivative of hydrazine, hydroxylamine, an organic derivative of hydroxylamine and an aromatic amine.

2,200,307
MALE SEX HORMONE COMPOUND
Walter Schoeller, Berlin-Westend, Max Gehrke, Birkenwerder, near Berlin, and Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application January 12, 1935, Serial No. 1,498. In Germany January 16, 1934
2 Claims. (Cl. 260—397)

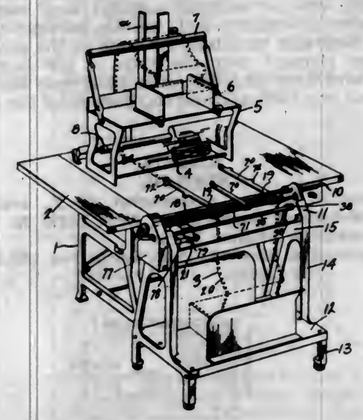
1. Crystalline compounds of the general formula $C_{19}H_{27}(OH)X$ and the structural formula



wherein X represents a member of the group consisting of the radicals =NOH,
$=N\cdot NH\cdot OC\cdot C_6H_5$, $=N\cdot NH\cdot C_6H_5$,
$=N\cdot NH\cdot C(=NH)\cdot NH_2$
$=N\cdot NH\cdot CS\cdot NH_2$ and $=N\cdot NH\cdot CO\cdot NH_2$, said compounds being relatively free from nuclearly saturated compounds and exerting a physiological effect similar to that of the male sex hormone $C_{19}H_{26}O_2$ and being capable of being split up into compounds of the general formula

$C_{19}H_{27}(OH)O$.

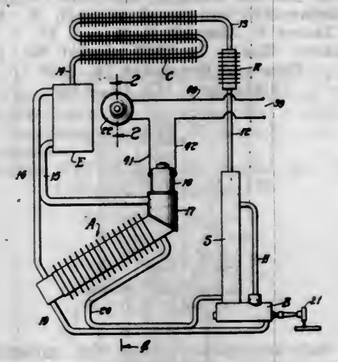
2,200,308
PAPER FEEDING MECHANISM
John Q. Sherman and Albert W. Metzner, Dayton, Ohio, said Metzner assignor to said Sherman; Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner, executors of said John Q. Sherman, deceased
Application October 17, 1936, Serial No. 106,158
36 Claims. (Cl. 101—57)



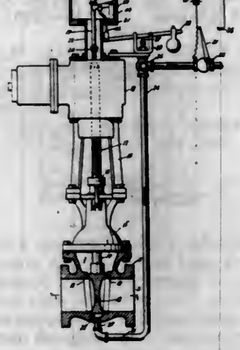
1. A strip feeding unit for use with a strip imprinting mechanism wherein a continuous series of interconnected record forms receive successive impressions, from an impression imparting mechanism including a feeding means for the record forms intermittently actuated through definitely timed periods in a continuous cycle with the imprinting mechanism for advancing the strip measured distances and arresting the advancement thereof with successive prescribed areas of the strip in impression receiving position, independent actuating means for said impression imparting mechanism and said feeding means, and means whereby the operation of the impression imparting mechanism is effective to initiate operation of the record form feeding means.

2,200,309
CONTROL FOR REFRIGERATING SYSTEMS
Arnold D. Siedle, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 8, 1936, Serial No. 94,933
18 Claims. (Cl. 62—5)

2. The combination with an absorption refrigerating system having an evaporator and an electrically driven device for circulating inert gas through the evaporator of defrosting control means for disconnecting the supply of electricity to said electrically driven device and for connecting the supply of electricity to said electrically driven device after the ice has melted off of the evaporator.

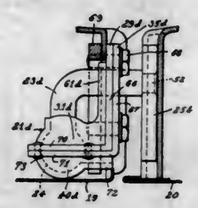


2,200,310
APPARATUS FOR INDICATING LEAKAGE IN VALVES
Clarence H. Thayer, Wallingford, Pa., and Thomas B. Prickett, Woodbury, N. J., assignors, by direct and mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application February 19, 1938, Serial No. 191,564
1 Claim. (Cl. 251—59)



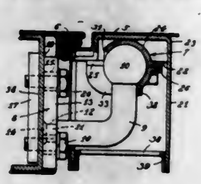
An assembly for preventing the intermingling of fluids in adjacent chambers comprising a valve body, valve seats therein disposed adjacent each of said chambers, a closure member movable into closed position in fluid sealing engagement with said seats, said body forming a chamber for blocking fluid with the closure member and between said valve seats when the valve assembly is in closed position, a line for directing fluid from a source to the last named chamber, valve means normally in closed position located in said line and means associated therewith for indicating the flow of fluid through the line.

2,200,311
HINGE
Harold E. Van Voorhees, Detroit, Mich., assignor to The Atwood Vacuum Machine Company, a co-partnership composed of Seth B. Atwood and James T. Atwood, Rockford, Ill.
Application March 1, 1937, Serial No. 128,356
Renewed December 18, 1939
15 Claims. (Cl. 16—135)



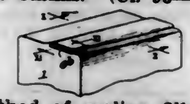
1. A ball-and-socket hinge for mounting a door on a vehicle body comprising a generally L-shaped socket member with attaching flanges on one leg of the L for securing the same to one of said door and body and a socket in the other leg of said L, and a generally L-shaped ball-ended gooseneck member having its legs in transverse relation to the legs of the socket member in the closed position of the door, said gooseneck member having at one end of one leg of the L a ball-and-socket connection with the socket member and adapted to be secured at its other end to the other of said door and body.

2,200,312
HINGE
Harold E. Van Voorhees, Detroit, Mich., assignor to The Atwood Vacuum Machine Company, a co-partnership composed of Seth B. Atwood and James T. Atwood, Rockford, Ill.
Application May 12, 1937, Serial No. 142,096
5 Claims. (Cl. 16—135)



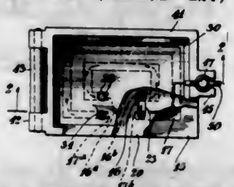
1. As an article of manufacture, a socket member for a ball-and-socket hinge comprising two flat sheet metal plates having a socket to receive the ball member therebetween, said socket formed partly by a substantially hemispherical recessed portion intermediate the ends of one plate and partly by another substantially hemispherical recessed portion in and intermediate the ends of the other plate registering therewith, the one recessed portion having an elongated opening provided in the wall thereof for extension therethrough of a neck on the ball and oscillation through substantially 90°, the opposed end portions of said plates constituting attaching portions and having means for securing the same together so as to confine the ball of the ball member in place in the socket for oscillatory movement, the plate with the recessed portion having the elongated opening provided in the wall thereof being formed to provide a continuous outwardly projecting flange defining the opening and serving to reenforce the plate at that portion.

2,200,313
METHOD OF CLOSING BAGS
Hans Volksdorf, Philadelphia, Pa., assignor to Thomas M. Royal & Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 31, 1936, Serial No. 98,729
Renewed August 7, 1939
2 Claims. (Cl. 93—6)



1. The method of sealing filled bags, which comprises flattening the bag walls adjacent to the filled portion of a bag; providing a metal closure element to overlie and embrace the flattened bag walls at the free end of the same; said closure element having means whereby it may be positioned laterally with respect to the widthwise dimension of said bag walls and when so positioned being sufficiently longer than the width of said flattened walls to provide end tabs; interfolding and overlapping the bag walls and the metallic closure element together and bringing the same in contact with the top portion of the filled bag, and infolding the ends of the metallic closure element over the ends of the bag end folds and itself and disposing such ends between the bag end folds and the top portion of the filled bag.

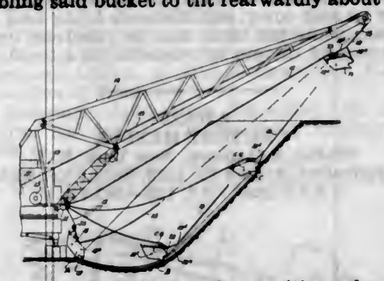
2,200,314
STENCIL
Bernard F. Walker, Cedarhurst, N. Y., assignor to Metaplast Corporation, New York, N. Y., a corporation of New York
Application May 23, 1938, Serial No. 209,524
5 Claims. (Cl. 101—127)



1. A stencil for applying a design to a surface, comprising a stencil base having disconnected openings therein corresponding to said design, a stencil cover having openings through which liquid is applied to selected portions of the openings in said base and having additional openings spanning other parts of the openings in said base to form a continous channel in which the liquid is caused to flow serially.

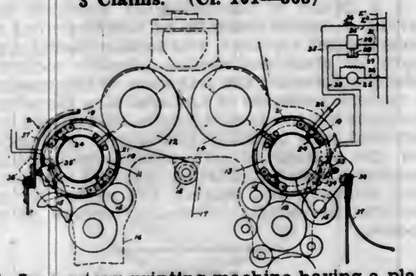
2,200,315
EXCAVATOR
Raymond S. Weimer, Morris, Ill.
Application June 5, 1937, Serial No. 146,526
8 Claims. (Cl. 37—135)

8. Excavating apparatus comprising a rearwardly dumping drag bucket comprising a line for hauling and elevating the same, attaching means therefor secured to the bucket on an axis located forwardly of the center of gravity of a normal load whereby the bucket tends to tilt rearwardly when elevated by said line, a control line, and control line attaching means secured to the bucket at the rear of the center of gravity thereof, a sheave carried by said first mentioned attaching means and engaging said control line for supporting said bucket in load sustaining position during elevation and transportation thereof by said first mentioned line and enabling said bucket to tilt rearwardly about said



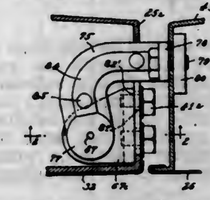
axis and to load discharging position when released by said control line.

2,200,316
CONTROL APPARATUS FOR PRINTING MACHINES
William C. Wieking, Woodhaven, and August Baumgartner, Hollis, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 24, 1936, Serial No. 117,446
3 Claims. (Cl. 101—368)



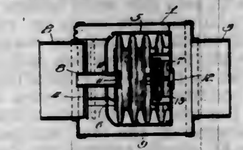
1. In a rotary printing machine having a plate cylinder, rotary inking mechanism cooperating with and having components engaging the plate cylinder, an impression cylinder operably engaging the plate cylinder, the plate cylinder, impression cylinder and inking mechanism being constructed and arranged to expose a plating area at the peripheral portion of the plate cylinder which is normally accessible for securing and removing plates from the cylinder and adjusting the plates thereon, a plurality of plates removably secured to the plate cylinder, a motor to rotate the plate cylinder; a control for said motor including a circuit interrupter having an actuating lever, an arcuate guard plate pivotally supported at one longitudinal edge to be swung over said cylinder to cylinder-covering position in substantially concentric relation thereto and movable about its pivotal support away from the cylinder to cylinder-exposing position, said guard plate being at least of sufficient length and area to substantially cover or guard the said plating area of the plate cylinder to thereby cover the plates on the plating area of the plate cylinder, said actuating lever being disposed in the path of the said guard plate to be engaged thereby to close the said circuit when the guard plate is in cylinder-covering position to close the said electric circuit to permit operation of the said motor, the actuating lever immediately moving to circuit-breaking position during the initial movement of the guard plate in its movement about its pivotal support away from the cylinder toward cylinder-exposing position, the guard plate being yieldably movable away from cylinder-covering position and when moved from cylinder-covering position disengaging the actuating lever and exposing it for convenient manual operation.

2,200,317
HINGE
Andrew F. Wintercorn and Edward P. McCanna, Rockford, Ill., assignors to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application August 2, 1937, Serial No. 156,916
6 Claims. (Cl. 16—135)



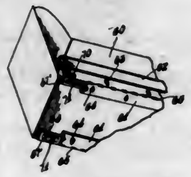
6. As an article of manufacture, a socket member for a ball and socket hinge comprising a sheet metal body of angular form providing an attaching portion in one plane for attachment to one of a door and body in mounting a door on the body of a vehicle, and a socket portion in a transverse plane substantially at right angles to the attaching portion, the socket portion having a hollow cylindrical boss provided thereon, the boss having an end wall in parallel spaced relation to the rest of the socket portion, and said socket portion having a spheroidal circular seat provided therein in concentric spaced relation to said end wall adapted to have slidable engagement with a ball head, said seat being so spaced in relation to said end wall that the ball head adapted to engage the seat will lie in spaced relation to the end wall.

2,200,318
VALVE, SELF-CLOSING AGAINST PRESSURE
William A. Yonkers, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application February 23, 1937, Serial No. 127,045
7 Claims. (Cl. 236—80)



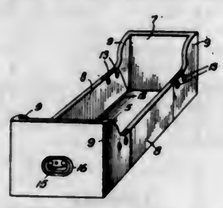
1. The combination with a passage through which fluid is adapted to flow, of a receptacle, smaller in cross sectional area than said passage fixed within the latter so as to permit fluids to flow past the same, said passage containing a valve seat near one end of the receptacle, a valve for said seat, an actuator for said valve arranged within said receptacle and including a stem extending through said end and connected to the valve, said actuator including an expansion chamber, there being a port leading from said chamber through said valve and a port opening out of the chamber into the passage on the side of the valve opposite that with which the other port communicates when the valve is closed, and a valve device controlling one of said ports, said receptacle containing openings that permit fluid to enter the same.

2,200,319
ROLLER CASING
Philip Zalkind, New York, N. Y.
Application October 19, 1935, Serial No. 45,715
6 Claims. (Cl. 45—77)



1. A collapsible drawer having score lines along the edges thereof along which the walls of said drawer are collapsible into a substantially flat unit; a track member comprising a metallic angle member secured along the bottom edges of said drawer; a predetermined bend line formed in said angle member coinciding with the score lines of said drawer to permit collapse of said drawer.

2,200,320
COLLAPSIBLE CONTAINER
Philip Zalkind, New York, N. Y.
Application October 10, 1933, Serial No. 692,937, which is a division of application Serial No. 631,682, September 3, 1932. Divided and this application December 3, 1935, Serial No. 52,730
4 Claims. (Cl. 229—32)



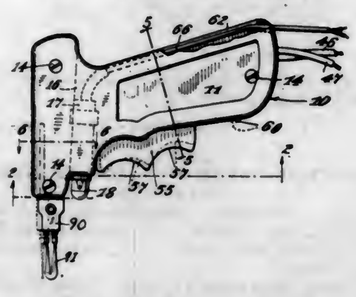
1. A collapsible container to be placed within an outer shell having an open front; said collapsible container being formed from an integral sheet and having side walls and an end wall; tongues extending from said end wall and lying in contact with said side wall; means for securing said tongues to said side walls for manually setting up said container and for maintaining the walls in predetermined relation with each other; conformations in the sheet to produce a substantially flush condition of the tongues and the side walls when the tongues and side walls are united, the side margins of the end wall being thereby arranged to fit snugly against the corresponding walls of the shell at the open end thereof.

2,200,321
PULP TESTER
Robert C. Angell, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application May 16, 1936, Serial No. 80,133
10 Claims. (Cl. 128—2.1)



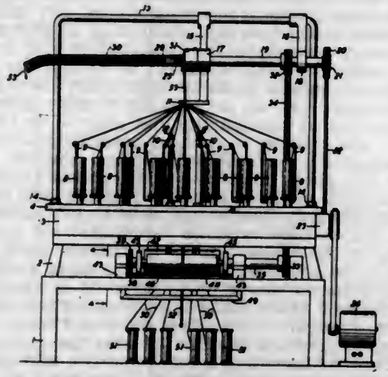
2. A dental pulp tester comprising a hollow split body having a removable and replaceable cover, electrodes having terminal connecting tail pieces removably retained in the hollow of said body by said cover, one electrode being held stationary while the other may be relatively moved with respect thereto by contact with a tooth surface.

2,200,322
CAUTERY HANDLE
Walter A. Arnesen, New York, N. Y.
Application August 15, 1936, Serial No. 96,159
6 Claims. (Cl. 128—303.14)



1. A device of the character described comprising a handle made up of complemental portions secured together, said handle having a plurality of chambers therein, electric sockets in said chambers for the reception of the prongs of a cautery electrode in any one of a plurality of positions relative to said handle, said handle being provided with openings alined with said sockets for the passage of said prongs, said openings passing through insulating material in front of and shielding said sockets, and means for controlling the supply of electric energy to said sockets.

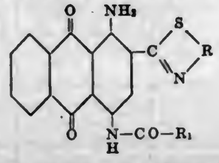
2,200,323
STRAND COVERING MACHINE
William T. Barrans, Towson, and Paul M. Cole, Dundalk, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 27, 1938, Serial No. 237,174
9 Claims. (Cl. 96—3)



1. In a machine for covering cores, the combination of means for applying a covering to a core, an axially tapering take-up spindle, and a pusher cam within which said spindle is free to rotate.

2,200,324
VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES
Erich Berthold and Joachim Mueller, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application November 19, 1938, Serial No. 241,338. In Germany February 1, 1934
5 Claims. (Cl. 260—276)

1. Vat dyestuffs of the general formula



wherein R stands for an anthraquinone radical and R_1 for a radical selected from the class consisting of anthraquinone benzacridone and anthraquinonebenzthioxanthone, the benzene nucleus of the said radical being directly combined with the CO-group.

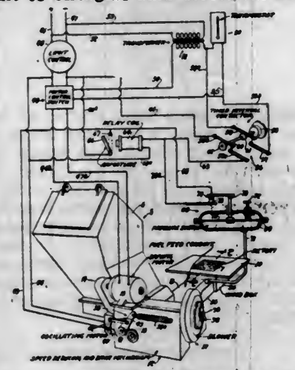
2,200,325
PEARL BAKING SHELL
Millard Botkin, Kansas City, and Charles Frank Nord, Sr., Louisiana, Mo.
Application February 13, 1939, Serial No. 256,232
1 Claim. (Cl. 41—10)



The process of manufacturing pearl baking shells comprising: agitating fish shells in a bath of hot water and caustic soda thereby procuring a product free from bark and foreign matter; machining each fish shell by grinding around the edge, grinding away the hinge, grinding a flat place on the back, and grinding irregularities, defects and the like; agitating the fish shells in a bath of water, pearl scrap and sulphuric acid and then in a bath of hot water, pearl scrap, and muriatic acid thereby procuring a polished product; soaking the fish shells in a bath of warm water, hydrogen peroxide, and silicate of soda thereby procuring a bleached product; agitating the fish shells in a mixture of sawdust and soap thereby procuring a buffed product.

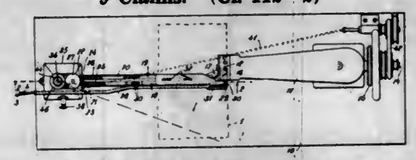
2,200,326
AUTOMATIC COMBUSTION CONTROL
Robert E. Bressler, Oregon, Ill., assignor to Kol-Master Corporation, Oregon, Ill., a corporation of Illinois
Application January 23, 1939, Serial No. 252,242
7 Claims. (Cl. 110—101)

1. In combination with a retort for supporting a fuel bed, means capable of feeding fuel to said retort at a minimum and maximum rate and normally functioning at the minimum rate, means for delivering air to the fuel bed to support combustion thereof, said bed offering a resistance to the passage of air therethrough so that the pressure and the velocity conditions of the air vary with the depth of the fuel bed, power means for driving said fuel feeding means and said air delivering means, electrical means associated with said fuel feeding means for increasing the feeding rate thereof from the minimum to the maximum feeding rate, an electric circuit for said power means and said electrical means respectively, means dependent upon the demand for heat for closing a part of said circuit for starting said power means, means arranged in said circuit and operating periodically at timed intervals for closing another part of said circuit to energize said electrical means and



cause it to increase the feeding rate of said fuel feeding means to the maximum feeding rate, and means in said circuit and operating at one stage of one of the before mentioned conditions of the delivered air to hold said last mentioned part of said circuit closed so that said electrical means holds the fuel feeding means at said maximum feeding rate and operating at another stage of said one of said conditions to open said last mentioned part of the circuit to deenergize said electrical means so that said feeding means returns to its minimum feeding rate.

2,200,327
APPARATUS FOR MAKING DECORATIVE FABRIC
Thomas E. Carroll, New York, N. Y.
Application December 15, 1937, Serial No. 179,901
9 Claims. (Cl. 112—2)



1. In a tape sewing machine having stitch-forming mechanism including feeding mechanism, a pair of tape guides for delivering tape to a sheet of material to cause said mechanism to secure said tapes to said material, an arm for supporting said guides pivoted at one side of the line of feed of said material to the stitching mechanism, means carried by said arm for actuating said guides to cause the tapes to be fed to said stitching mechanism and secured to said material in substantially sinusoidal form, a support for said arm at one side of the line of feed of said material, means for pivoting said arm to said support to permit the end of the arm carrying said tape guides to be swung away from the stitch forming mechanism, and means on said support for operating said guide-actuating means.

2,200,328
PROPELLING MEANS FOR LONG STRIPS OF MATERIAL

Samuel Cohn, New York, and Jules G. Walter, Ridgewood, N. Y., assignors to Samcoe Holding Corporation, New York, N. Y., a corporation of New York

Application August 26, 1937, Serial No. 160,980
13 Claims. (Cl. 271—2.3)

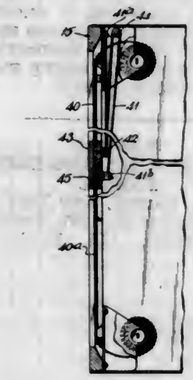


1. A device for propelling a strip of fabric, including a roller with which the strip of fabric engages, said roller adapted to apply local propelling action to the strip of fabric, a power-driven belt adapted to rotate said roller by friction engagement of said belt with a pulley member attached to said roller, means engaging the strip of fabric and controlled by the tension thereon, and means operated by said latter means for applying variable pressure to said belt against said pulley to vary the speed of operation of said roller.

2,200,329
DOUBLE DOOR CLOSET

Harry Derman, Laurelton, Long Island, N. Y.

Application January 15, 1938, Serial No. 185,144
9 Claims. (Cl. 312—190)

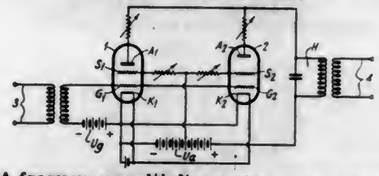


8. In a cabinet having an opening in one side thereof, a unitary rectangular frame detachable with respect to the cabinet and bordering said opening, inner opposed surfaces of the side rail of the frame having longitudinal channels, two door members composed of flexible material supported within the cabinet at the ends of said frame, said door members each slidably engaging the channels of the frame to control the opening of said cabinet, spring rollers supporting said door members in roller condition, means retaining the door members in closed position against the action of said spring rollers, means for guiding the flexible doors from the spring rollers into the channels of said frame and means supporting said spring rollers upon inner surfaces of said frame to constitute a unit part thereof.

2,200,330
ULTRA SHORT WAVE FREQUENCY MULTIPLIER

Willi Engbert, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application October 21, 1938, Serial No. 236,147
In Germany November 4, 1937
8 Claims. (Cl. 250—36)

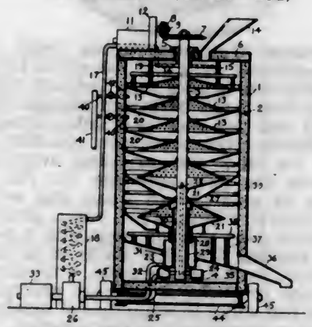


1. A frequency multiplier system comprising an electron discharge device having means including suitably conformed electrodes for producing an electron discharge along a plurality of separate discharge paths, said discharge paths being of different lengths thereby to differentiate the electron transit times in a predetermined manner, means for impressing a fundamental frequency control potential upon said discharge device thereby to initiate pulses of electronic emission along said paths simultaneously, and means for deriving from said discharge device an alternating output current the frequency of which is that multiple of said fundamental frequency which accords with the variations in said electron transit times.

2,200,331
APPARATUS FOR FREEZING BERRIES

Alan R. Fisher, New York, N. Y.

Application December 13, 1938, Serial No. 245,361
16 Claims. (Cl. 62—104)



8. A quick freezing apparatus comprising a casing, a substantially vertical shaft rotatively supported in the casing, deflecting plates on the shaft stationary guiding plates between the shaft plates, means to deliver berries to the plates at one end of the shaft, means to freeze the berries on the plates, means to rotate the shaft with the plates, and means to progressively move the berries from one deflecting plate to another for separating the frozen berries.

2,200,332
SOCKET FOR VACUUM TUBES

Warren K. Henning, Piano, Ill., assignor to Hugh H. Eby Inc., Philadelphia, Pa.

Application July 23, 1937, Serial No. 155,214
2 Claims. (Cl. 173—328)

1. A tube socket comprising an insulating base

having an opening therethrough and an integral sheet metal contact and wiring terminal member, said opening comprising a contact-receiving portion and a slot leading from the contact-receiving portion to the under side of the base, said contact and wiring terminal member being insertable into said opening from the upper side of the base, said sheet metal member comprising

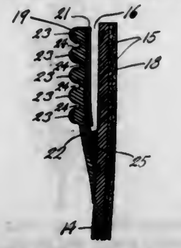


a tongue extending from said contact through said slot, said tongue having its edge notched to provide a cut edge shoulder portion on a wing bent on an axis substantially parallel to the slot to cause said cut edge shoulder portion to move out of slot alignment to underlie the base to hold the contact and wiring terminal member in position.

2,200,333
ARTICLE OF FOOTWEAR

Eugene W. Herzog and Charles J. Futter, Mishawaka, Ind., assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana

Application October 13, 1937, Serial No. 168,691
5 Claims. (Cl. 36—4)



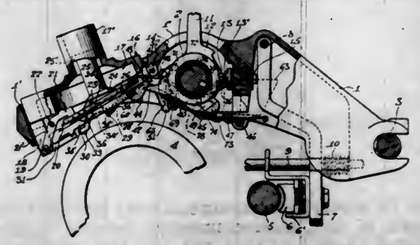
1. An article of footwear of the class described, comprising a vulcanized rubber foot portion of a height to terminate at its upper edge below the ankle of a wearer and provided with an open-top and closed-bottom channel in and around the upper edge thereof, the side walls of the channel being integral upright parallel parts of the rubber foot portion, fabric reinforcing secured to the inner face of the outer wall of the channel and extending downwardly into the rubber below the closed bottom of the channel, and an upper having the lower margin thereof in and filling said channel and secured to the opposite side walls of the channel by stitches passing through the side walls of the channel, the fabric reinforcing and the included lower margin of the said upper.

2,200,334
PHONOGRAPH

Charles Huenlich, Bloomfield, and Heinrich F. Max Gramann, Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application March 12, 1938, Serial No. 195,492
11 Claims. (Cl. 274—17)

1. In a phonograph operable to record on and reproduce from a record and having a translating device including a frame, recorder and reproduce styli respectively movable into record-contacting positions to condition said device for recording and reproducing, and a biasing means for said reproducer stylus movably mounted on said frame and urged towards the record and released for movement into contact with the record when said device is conditioned for recording: the combination of a control means movable into recording and reproducing positions to respectively effect recording and reproducing con-

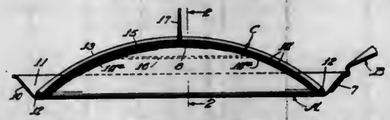


ditions of said translating device; and means operable to cause said biasing means to be supported free of the record during the operation of recording comprising a supporting member on said fame movable transversely of the direction of movement of said biasing means into engagement with the same, and means operated by said control means for controlling the movement of said supporting member.

2,200,335
BACON FRYER

Roy C. Ingersoll, Winnetka, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application May 2, 1938, Serial No. 205,447
9 Claims. (Cl. 53—5)



1. In a bacon fryer, means forming an arched heat transfer surface having shouldered end regions, and a grid, arched to conform substantially to said surface, said grid including transverse end members arranged in chordal relation to its main body, said end members adapted to overhang said shouldered regions whereby to position said grid with respect to said surface.

2,200,336
COMPOSITION FOR TREATING SILK GOODS TO PREVENT RUNNING

Dave Mack Jenkins, Gary, Ind., assignor to Bernice H. Lowther

No Drawing. Application August 1, 1938, Serial No. 222,445
9 Claims. (Cl. 134—18)

1. An aqueous composition for protecting natural and artificial silk fabrics against runs which comprises a salt selected from the group consisting of soluble alkali metal and alkaline earth metal chlorides and sulfates, the reaction products of a soluble aluminum salt and the exact amount of soluble basic substances theoretically necessary to convert said aluminum salt completely to aluminum hydroxide, and a substantial amount of a basic ammonium compound, said amount being less than that theoretically required to completely convert said aluminum hydroxide to ammonium aluminate.

2,200,337
DRILL BIT
John W. MacClatchie, Los Angeles, Calif., assignor to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California
Application December 18, 1937, Serial No. 180,576
4 Claims. (Cl. 255—71)



1. In a bearing structure, a body provided with a pair of legs, inter-connected bearing supports secured to each of said legs, and ball races taper fitted on said bearing supports, said bearing supports and the inner ball races being welded to said legs.

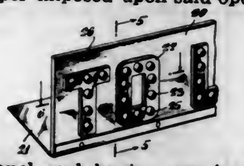
2,200,338
ANTENNA MAST
Carl T. Mason, Chicago, Ill.
Application August 29, 1938, Serial No. 227,266
1 Claim. (Cl. 250—33)



A radio antenna mast comprising in combination a plurality of elongated non-conducting sections, each of said sections having a continuous channel in its outer face extending from end to end thereof, tubular ferrules fitted over the ends of adjacent sections whereby the sections are held in end-to-end relationship with each other, a conducting, non-rigid antenna member extending longitudinally of said mast in said channels, the ferrules enclosing the antenna member, a conductive anchor member to which an end of the antenna is secured at the upper end of the top mast section, and means for anchoring the lower portion of the non-rigid antenna member to the lower mast section.

2,200,339
TRANSLUCENT DISPLAY
Richard M. Nelson, Larchmont, N. Y., and Kenneth W. McNeil, Bridgeport, Conn., assignors to Reflecto Letters Inc., a corporation of Connecticut
Application February 18, 1939, Serial No. 257,164
3 Claims. (Cl. 40—130)

1. A translucent display including in combination, an opaque panel, a plurality of circular apertures in indicia relationship carried thereby, spherical light translucent members of a diameter slightly greater than that of the openings in said opaque panel and positioned in said openings, and a plurality of members in the form of indicia super-imposed upon said openings in said



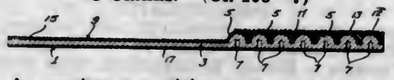
opaque panel and having openings in registry therewith, for holding said spherical light translucent members against displacement and whereby a light source behind said display will be visible through said translucent members and a portion of such transmitted light will be diffused to the outer surface areas of said indicia members illuminating the latter.

2,200,340
CLASP
Walter S. Painter, Middlebury, Conn., assignor to Waterbury Buckle Company, Waterbury, Conn., a corporation of Connecticut
Application February 18, 1939, Serial No. 257,160
6 Claims. (Cl. 24—258)



1. A clasp, comprising: a rear wall; a front wall; opposite side walls extending between and integrally uniting the said rear and front walls; said side walls being provided with coaxially-aligned suspension-sockets; an arcuate upper end wall integrally-formed with all of the said walls and forming therewith a compartment which is closed except at the bottom; a suspension-loop having its terminals mounted in the said sockets; and a U-loop gripper-spring mounted between the said front and rear walls and having the return-bend intermediate portion thereof arranged within the said compartment.

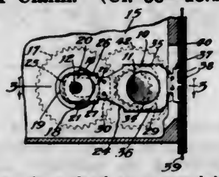
2,200,341
COVERING MATERIAL
Chester E. Rahr, New York, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland
Application January 8, 1938, Serial No. 184,018
13 Claims. (Cl. 108—7)



1. A covering comprising a sheet of felted material having upon a face thereof a plurality of portions of the felted structure raised above said face of the sheet to form separated projections, said projections having the felted structure thereof of less density than the material of the felted sheet which lies between said projections, said

sheet upon the other face thereof having depressions in said face at places corresponding to said elevations upon the first face, and a coating of mastic material upon said other face, said coating covering said depressions but leaving said depressions unfilled with said mastic material whereby separated air cells are formed within said covering.

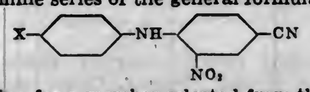
2,200,342
FILM-ADVANCING DEVICE
Harvey J. Reardon, Chicago, Ill., assignor to Classroom Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 25, 1938, Serial No. 226,702
1 Claim. (Cl. 88—18.4)



A film-advancing device comprising, in combination, a film-advancing member or claw having a portion at the front thereof adapted to engage a film, and means for operating said film-advancing member, said operating means including a rotary front shaft and a rotary rear shaft, said film-advancing member including a pair of spaced cam surfaces extending transversely relative to the longitudinal axis of the said film-advancing member, and a single rear cam on the said rear shaft coacting at different times with each of the said cam surfaces to effect the longitudinal or in and out movement of the said film-advancing member, said film-advancing member having a pair of guide flanges thereon at the opposite side thereof from the side of the same on which said cam surfaces are arranged, and a guide member having an aperture mounted to float upon the said rear shaft and having a pair of flattened guide surfaces thereon engaging with the said guide flanges to guide the said film-advancing member, said film-advancing member having a pair of longitudinally extending cam surfaces thereon on the same side thereof as the side thereof on which the said first-named cam surfaces are located but forwardly of the latter, and a single front cam on the said front shaft alternately engageable with the said second-hand cam surfaces for imparting the transverse or up and down movement to the said film-advancing member.

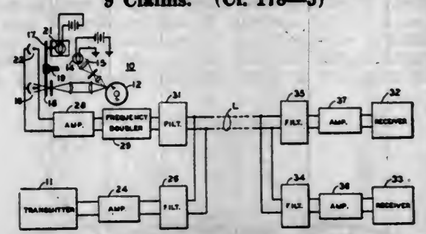
2,200,343
PROCESS FOR THE DYEING AND PRINTING OF ACETATE ARTIFICIAL SILK
Heinrich Ritter, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application May 6, 1938, Serial No. 206,373. In Germany August 28, 1936
6 Claims. (Cl. 8—57)

1. Process for the dyeing and printing of acetate artificial silk which comprises contacting acetate artificial silk with a compound of the diphenylamine series of the general formula:



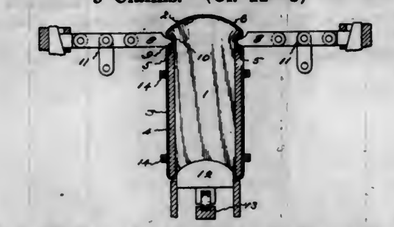
X standing for a member selected from the group consisting of hydrogen and hydroxy and alkoxy radicals, whereby bright greenish yellow to orange dyeings and prints of excellent fastness to light are obtained.

2,200,344
FREQUENCY DOUBLING TELEGRAPH SYSTEM
Maurice A. Rudd, North Plainfield, and Keith B. Eller, Metuchen, N. J., assignors to Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 9, 1937, Serial No. 135,994
9 Claims. (Cl. 178—5)



1. In a facsimile system, a plurality of substantially similar transmitters capable of operation to produce picture modulated currents of approximately the same frequency, a communication channel, a frequency changer interposed in the connection of one or more of said transmitters to said channel, a filter for each transmitter connected directly to the communication channel, and receiving equipment connected by branched circuits to said communication channel, each circuit to an individual receiver including a filter.

2,200,345
METHOD AND MEANS EMPLOYED IN CASING-IN BOOKS
Carl Schramm, North Coventry, Conn., assignor to The Smyth Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application June 13, 1939, Serial No. 278,837
9 Claims. (Cl. 11—3)

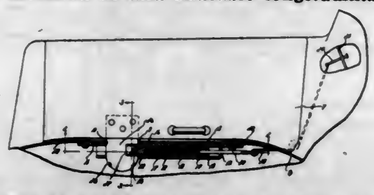


5. In the art of casing-in books the method of ensuring the square positioning of covers on the books which comprises gripping the covered books along their joints, and exerting pressure against the front edges of the books while thus gripped and pressing the books into the covers and causing the backs of the books to swell out the backs of the covers and draw the joints of the covers and books into registration with each other and with the means employed for gripping the covers.

2,200,346
ENGINE HAND LATCH
Gustave H. Sepull, Detroit, Mich.
Application April 14, 1937, Serial No. 136,873
2 Claims. (Cl. 292—171)

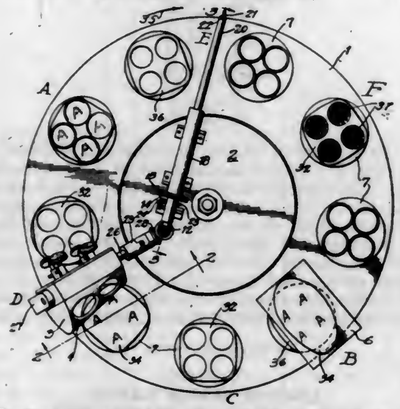
1. A locking mechanism adapted for mounting on a vehicle fender flange serving as an engagement member for the edge of a swingably mounted engine hood comprising: a plate mounted on the undersurface of the fender flange and having a transversely extending slot formed intermediate its ends and a longitudinally directed slot

formed intermediate its ends, said longitudinally directed slot registering with a slot formed in the fender flange; a trough-shaped housing closed at one end and open at its opposite end; means for mounting said housing on said plate over said longitudinally directed slot; a tongue struck inwardly from the base of said housing intermediate its ends and engaging at its end in said transversely extending slot, there being formed in said base, adjacent one end of said housing, a longitudinally directed slot in registration with said longitudinally directed slot in said plate; a latch bolt mounted in and slideable longitudinally of



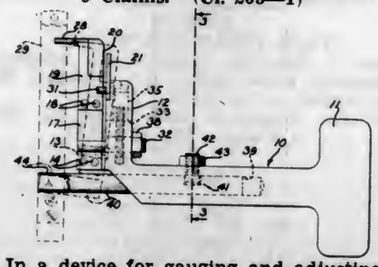
said housing and projectible to a position for extending partially across said longitudinally directed slots, said latch bolt having an elongated slot formed intermediate its ends; said tongue projecting through the slot in said bolt; a rod secured to said latch bolt and projecting across the slot formed therein and through one end of said latch bolt and slidably projected through an opening formed in said tongue and through an opening formed in the end wall of said housing; and a spring embracing said rod and positioned within the slot formed in said latch bolt and engaging at one end said latch bolt and at the opposite end said tongue.

2,200,347
PIE MAKING MACHINE
Dennis W. Smith, Chicago, Ill., assignor to Colborne Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 5, 1939, Serial No. 271,929
6 Claims. (Cl. 107—1)



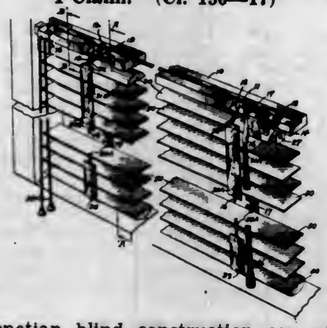
2. In a pie-making machine employing circuitous conveying means, an odd number of pie-plate holders on said means; a rotating crust-moistening brush, a rotating crust trimmer, a drive for the machine having connections for continuously operating said circuitous conveying means, and connections for making operative the crust-moistening brush and crust trimmer during passage of only alternate pie-plate holders thereunder.

2,200,348
DEVICE FOR GAUGING AND ADJUSTING SPRINGS
Albert E. Summers, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 22, 1938, Serial No. 220,643
9 Claims. (Cl. 265—1)



1. In a device for gauging and adjusting the tension of springs, a support carrying a reed-like element supporting an indicator and a member for flexing a spring to be gauged, a calibrated scale carried on the support for cooperation with said indicator, and means carried by said support for operative engagement with the spring and providing a fulcrum point for the support relative to the spring during the gauging thereof, said means effective for bending the spring to adjust the tension thereof.

2,200,349
VENETIAN BLIND
Brooks Walker, Piedmont, Calif.
Application May 23, 1936, Serial No. 81,439
1 Claim. (Cl. 156—17)

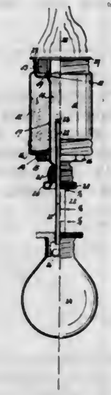


A Venetian blind construction comprising a pair of spaced ladder tapes, each ladder tape comprising a pair of supporting tapes having cross tapes therebetween arranged in staggered relation, a series of slats jointly supported by said ladder tapes, and a pair of lifting cords providing the sole means for effecting collapse of the Venetian blind structure, one of said cords being associated with each of said ladder tapes, each of said lifting cords being located closely adjacent one of the supporting tapes of each ladder tape and between the staggered cross tapes, said lifting cords being located one on one side and one on the opposite side of said slats.

2,200,350
REPEATING PHOTOGRAPHIC FLASHLIGHT
Guenther Werner, Peiping, China, assignor to Gerhard Von Hessert, New York, N. Y.
Application August 11, 1937, Serial No. 158,446
In Germany August 11, 1936
2 Claims. (Cl. 67—32)

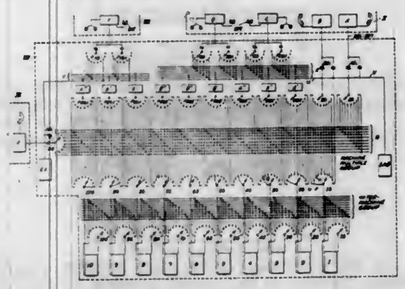
1. In a flashlight apparatus having a flame

through which flashpowder is projected by air pressure and provided with a container for flashpowder, a tube slidably retained within said con-



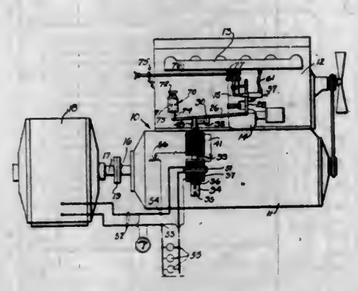
tainer, having slidably retained within said tube a second calibrated tube provided at its lower end with pneumatic blow means.

2,200,351
BUSINESS DICTATING SYSTEM
Cecil L. Whitehead, Pasadena, Ray M. Chenoweth, West Los Angeles, Emmett M. Irwin, Richard H. Duval, Walter P. Huntley, and Bruce H. Rule, Pasadena, and George E. Lewis, Alhambra, Calif., assignors to C-W-B Development Co., Los Angeles, Calif., a corporation of California
Application November 23, 1938, Serial No. 241,988
29 Claims. (Cl. 179—6)



1. In a dictation recording system, the combination of: a plurality of recording machine units, each of which includes a recording medium and a recording means for recording material for record on said recording medium; a dictator's station remote from all of said machine units and having actuating means thereat for controlling recording operations on any of said machine units when connected thereto; a selecting means responsive to operation of said actuating means for connecting said actuating means to any one of said machine units; and means for each machine unit actuated in response to the recording upon that unit of material equal to the capacity of said unit for automatically selecting any other one of said units and connecting said actuating means thereto.

2,200,352
REGULATOR
Leland J. Adams, Burbank, and Frank Bracken, Los Angeles, Calif., assignors to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application October 22, 1937, Serial No. 170,436
3 Claims. (Cl. 175—335)



1. A regulator comprising the combination of a core, means for supporting said core upright, a fixed coil around the lower portion of said core, an opposing coil slidable on the upper portion of said core and adapted by gravity to drop close to said fixed coil, an arm supported by and extending laterally from the top of said core and forming a pivotal support, a regulator arm pivotally connected intermediate its ends to said pivotal support, an operative connection between said slidable coil and one end of said arm, and a regulating element connected to the other end of said arm.

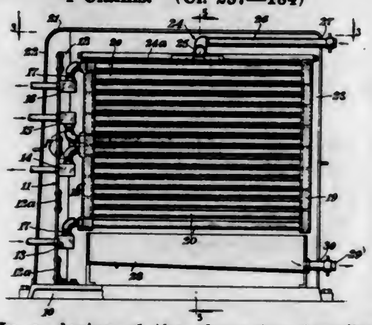
2,200,353
PROCESS OF PREPARING A CASEIN SOLUTION
John P. Alig, Indianapolis, Ind., assignor to Sargent-Gerke Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application March 18, 1939, Serial No. 262,775
5 Claims. (Cl. 134—12)

1. The process of producing a casein solution relatively stable as to hydrolysis, which consists of reacting with a casein in the presence of water, a casein solvent mixture which consists of a water soluble alkali-metal fluoride and boric acid.

2,200,354
GLASS CLEANING FLUID AND THE MANUFACTURE THEREOF
Frederic L. Bishop, Jr., Jeannette, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Continuation of application Serial No. 60,699, January 24, 1936. This application April 12, 1939, Serial No. 267,449
8 Claims. (Cl. 87—5)

5. A process for the manufacture of a fluid for cleaning glass sheets to be used in the manufacture of laminated glass which consists in heating an ether of the group consisting of dichloroethyl ether and chlor-ethoxy-chlor-ethyl ether together with a metal of the group consisting of ferrous metals, tin and aluminum to approximately the boiling point, supplying additional heat sufficient to cause the liquid to boil for a period of approximately three hours, and thereafter permitting the liquid to cool.

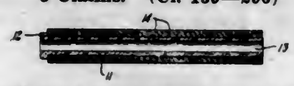
2,200,355
HEAT EXCHANGE DEVICE
Fritz G. Cornell, Jr., Mountain Lakes, N. J., assignor to Jensen Creamery Machinery Company, Inc., Bloomfield, N. J., a corporation of New York
Application July 28, 1932, Serial No. 625,431
4 Claims. (Cl. 257—184)



1. In a device of the character described, a frame, a plurality of vertical heat exchange units, means for pivotally supporting said units from said frame, said units being swingable into parallel relation and into fan-like relation, a pair of covers attached to said frame and formed to enclose said units, said covers being movable to expose said units and permit swinging of the units into fan-like relation, a distributor above said units, a trough arranged below said units, and supply and discharge pipes for said distributor and trough extending through apertures formed by opposed recesses in the edges of said covers.

3. In a device of the character described, a plurality of vertical heat exchange units supported for movement into and out of close operative relation, an enclosure for said units comprising members movable to permit movement of said units out of operative relation and a distributor resting on the upper ends of said units when in operative relation and having rows of apertures in alinement with said units.

2,200,356
TEMPLE ROLL
Charles Thomas Dickey, Elizabeth, N. J.
Application December 12, 1939, Serial No. 308,815
5 Claims. (Cl. 139—296)

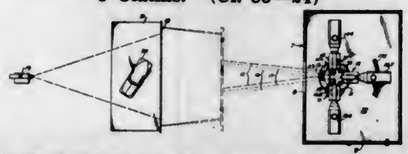


1. A roll for a loom temple comprising a core to which is attached a plurality of layers of fabric embedded in a matrix of neutral thermoplastic synthetic rubber with phenolindenecoumarone artificial resinous body of substantially permanent tackiness, the fibers of said fabric being substantially perpendicular to the axis of the blank and having free fiber ends projecting therefrom, the whole forming a double frictional-gripping, cloth-engaging unit of tacky matrix and outwardly-projecting fibers.

2,200,357
PROCESS FOR RECOVERING METALS FROM SOLUTIONS
Albert B. Doran, Los Angeles, Calif., assignor to Dorex, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application December 27, 1938, Serial No. 247,830
10 Claims. (Cl. 75—108)

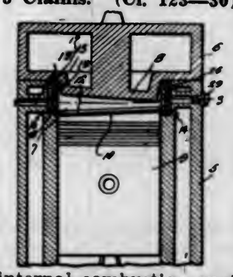
1. A process for the recovery of a metal from solution, comprising: contacting said solution with a manganite salt of a metal more electropositive than the desired metal, whereby an insoluble manganite salt of the desired metal is formed; and separating said insoluble salt from the spent solution.

2,200,358
COMPOSITE PHOTOGRAPHY
Byron C. Haskin, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application April 11, 1938, Serial No. 201,372
8 Claims. (Cl. 88—24)



1. Projecting apparatus comprising three projectors directed toward a common point, two of said projectors being axially aligned with each other and each arranged at 90° to the axis of the third projector, light deflectors for deflecting the light beams from said axially aligned projectors in directions substantially parallel to the light beam of said third projector, an objective lens for each of said projectors, means for supporting said lenses in fixed relation to each other, and means for moving said projectors along their respective optical axes for focusing.

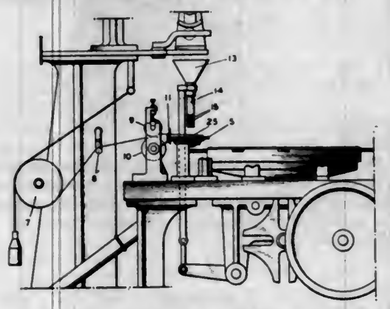
2,200,359
INTERNAL COMBUSTION ENGINE
Louis F. Hellemn, Sherwood, Ohio
Continuation of application Serial No. 62,189, February 3, 1936. This application May 14, 1938, Serial No. 208,066
5 Claims. (Cl. 123—30)



1. In an internal combustion engine, a power cylinder having in the upper portion of the wall thereof an internal groove, and a fuel injection port disposed in said groove, a sleeve fitted within said groove and comprising a pair of inner and outer concentric rings, diametrically opposed portions of which are laterally enlarged and contiguous each to the other, said rings having the portions thereof between the enlargements spaced from one another and from the wall of the groove to provide air spaces, said rings having in the enlargements at one side thereof a fuel injection port registering with said fuel injection port in the wall of the power cylinder, the inner of said rings at opposite sides of the second enlarged portion thereof being provided with ports through which air enters into the spaces between the rings from the combustion chamber of the power cylinder, the outer of said rings at opposite sides of the first mentioned enlarged portion thereof being provided with ports

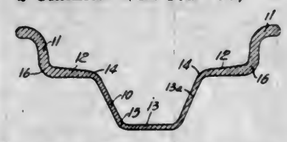
through which air from the spaces between said rings pass into the space between the innermost ring and the wall of the groove, said air ports being restricted to an extent effective for causing frictional heat to be generated in said rings by air forced through said air ports, and a drain cock tapped into the wall of the cylinder opposite the second named enlarged contiguous portions of said rings.

2,200,360
CONTAINER FORMING MECHANISM
Martin Heres, Elmhurst, N. Y., assignor to Eppens, Smith Company, Inc., New York, N. Y., a corporation of New Jersey
Application March 17, 1939, Serial No. 262,352
7 Claims. (Cl. 93—3)



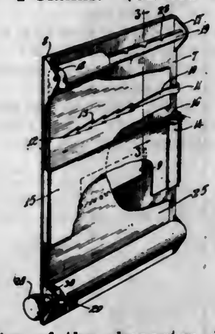
1. In a bag-forming and filling machine, in combination, a forming die having an opening with a mutilated edge, a plunger with a uniformly corrugated exterior and movable to force a bag-forming blank through said opening and present a bag with relatively narrow folds, and gripping members beneath said die and opening designed to engage the folds at the mouth of the bag and effect a bunch thereof.

2,200,361
VEHICLE WHEEL
J Harold Hunt, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application October 20, 1937, Serial No. 169,929
2 Claims. (Cl. 301—97)



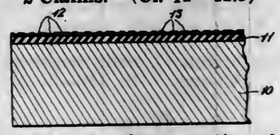
1. A rim for a vehicle wheel comprising a continuous annular metal ring, the cross-section of the rim being uniform throughout its circumferential extent and consisting of a central channel shaped portion, tire seat portions extending axially outwardly from the walls of the channel shaped portion, and flanges extending substantially radially outwardly from the axially outer edges of the tire seat portions, the walls and base of the channel shaped portion being of uniform thickness, and the tire seat portions and flanges increasing in thickness substantially uniformly from the junctions of the tire seat portions with the side walls of the channel shaped portion to the outer edges of the flanges, said channel shaped portion, tire seat portions, and flanges being of a single thickness of metal.

2,200,362
OIL-GREASE RECORDING DEVICE
James B. Jones, Evanston, Ill.
Application May 4, 1939, Serial No. 271,796
4 Claims. (Cl. 281—9)



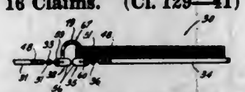
1. A device of the character described, comprising a frame member provided with four bearing portions, two reel members mounted in said bearing portions, one of said reel members mounted removably, each of said reels adapted to hold securely the opposite ends of a roll of writing material, an opening provided in said frame member, a writing support, formed integrally with the said frame member, positioned in opposed relationship and directly under the said opening, and pin means formed integrally with the said frame member, adapted to hold securely and removably the said device when attached to the interior of an automobile.

2,200,363
PRINTING PLATE AND METHOD OF MAKING SAME
Joseph D. Kreis, Cleveland, Ohio, assignor to Bonnar-Vawter Fanform Company, Inc., Cleveland, Ohio, a corporation of Delaware
Application July 3, 1937, Serial No. 151,852
2 Claims. (Cl. 41—41.5)



1. The method of making printing plates which comprises intimately commingling rubber and a metal powder, placing a thin layer of such mixture over a sheet of rubber, causing the mixture to adhere to the rubber sheet by curing them together, forming on the surface of the plate an image adapted to receive and retain ink, and producing an amalgam on all portions of the plate not covered by said image.

2,200,364
BOOKBINDER
George W. Newman, St. Louis, Mo.
Application December 16, 1937, Serial No. 180,129
16 Claims. (Cl. 129—41)



3. In a device of the kind described, a lower case, an upper case, means connecting said upper case to said lower case, said means comprising chains flexible in one direction only, and means

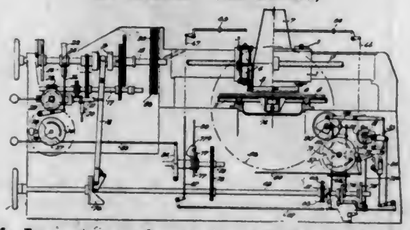
for moving said chains into positions to permit the upper case to be disposed in a common plane with the lower case.

2,200,365

SERIES AUTOMATIC MACHINE FOR THE PRINTING INDUSTRY

Paul Nickelsberg, Offenbach-on-the-Main, Germany

Application June 23, 1938, Serial No. 215,501
In Germany June 24, 1937
14 Claims. (Cl. 95—73)



1. In a step and repeat machine the combination, of a carriage for the original to be repeatedly reproduced, a second carriage for the sensitized material angularly movable with respect to the first carriage, separate drive shafts for said carriages, separate drum shafts each adapted to be actuated by one of said drive shafts and in potential driving connection with one of said carriages, cam shafts, each driven by one of said drive shafts, cams on said cam shafts disconnectable therefrom, a clutch between said cams and the cam shaft for connecting the cams to the cam shaft, means operable by each carriage for controlling the clutch between the cams and the cam shaft, a clutch on the drum shaft, and means under control of one of the cams for actuating the last named clutch.

2,200,366

CURTAIN

Irving R. Grundstein, New York, N. Y., assignor to Fall River Curtain Company, Inc., New York, N. Y.

Application March 14, 1940, Serial No. 323,892
5 Claims. (Cl. 156—10)



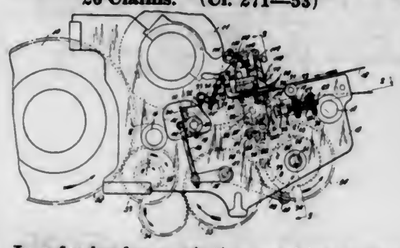
1. A valance member adapted to be draped over a support and having a casing adapted to be arranged below and in back of said support and including a bead and reinforcing means in said casing to strengthen said bead and adapted to be disposed in biased relation relative to said support to dispose said bead underneath said support for abutting the latter to resist accidental removal of said member from said support.

2,200,367

SHEET REGISTERING AND DETECTING MECHANISM

Charles W. Harrold, University Heights, Ohio, and James R. Wood, Shelton, Conn., assignors to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware

Application June 2, 1938, Serial No. 211,408
26 Claims. (Cl. 271—53)



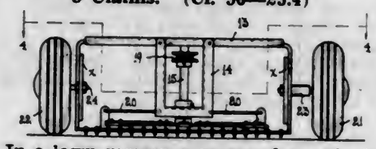
1. In a feeder for a printing machine, an auxiliary feeder frame, front guides and a side guide carried by said frame, said frame being adapted to be adjustably attached to the frame of the printing machine.

2,200,368

LAWN MOWER

Christian Iverson, Weston, Iowa

Application August 5, 1939, Serial No. 288,605
8 Claims. (Cl. 56—25.4)



8. In a lawn mower, a mower frame including a base-plate having a curved end-portion provided with forwardly projecting teeth and a ridge approximately concentric with the curvature of said end-portion, an arcuate yoke above and secured to the base-plate, a hanger-element extending toward the base-plate and mounted on the yoke, a rotatable shaft journalled in the yoke and hanger-element, a cutter-disc carried by the shaft and disposed between the base-plate and hanger-element closely adjacent said ridge, and a pair of ground wheels at the sides of the mower-frame having journalled bearings on the yoke, one of said ground wheels being disposed forwardly and the other ground wheel of said pair being disposed rearwardly of the transverse axis of the mower-frame at unequal lateral distances from said frame.

2,200,369

PROCESS OF MAKING METALLIC MOLDING POWDERS

Louis G. Klinker, New Castle, Pa., assignor to Johnson Bronze Company, New Castle, Pa., a corporation of Pennsylvania

Application July 18, 1938, Serial No. 219,937
Renewed December 11, 1939
3 Claims. (Cl. 75—22)

3. The process of making metallic molding powders which comprises forming a powdered metal having oxide-coated particles, mixing with it a material of the class consisting of finely powdered metals and reducible metal compounds,



sintering the mixture in a reducing atmosphere, and pulverizing.

2,200,370

PROCESS FOR THE RECOVERY OF PURE PHENOLS OR PHENOLATES FROM GAS LIQUOR OR THE LIKE

Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application July 25, 1938, Serial No. 221,258. In Germany July 26, 1937
5 Claims. (Cl. 260—627)

1. Process for the recovery of pure phenols from solvents which serve for the separation of phenols from gas liquor and similar matter comprising: treating of solvent at temperatures below 40 degrees centigrade with an aqueous alkali-metal-phenolate solution, separating the solvent from the aqueous alkali-metal-phenolate solution, extracting phenols from the solvent, heating the aqueous alkali-metal-phenolate solution separated from the solvent to a temperature at which the hydrogen sulphide, carbon dioxide and other impurities previously absorbed by the solution escape without driving-off considerable amounts of phenols, cooling-down of the aqueous alkali-metal-phenolate solution, freed from hydrogen sulphide, carbon dioxide and other impurities, and using again the cooled-down aqueous alkali-metal-phenolate solution for the treatment of further quantities of solvent.

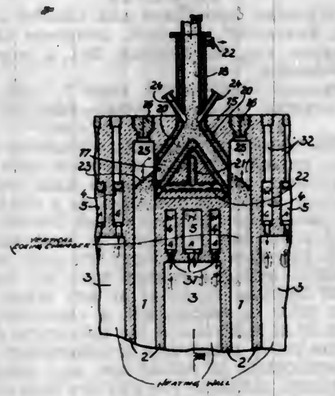
2,200,371

CONTINUOUSLY OPERATED VERTICAL CHAMBER OR RETORT OVENS FOR THE PRODUCTION OF GAS AND COKE

Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application September 12, 1938, Serial No. 229,442
In Germany September 15, 1937
7 Claims. (Cl. 202—123)

1. A continuous vertical coking retort oven comprising a continuous vertical coking chamber with refractory heating walls therefor at the sides thereof provided with a heating flue system extending to near but terminating at its upper part a short spaced distance below the tops of the heating walls and coking chamber, a solid carbonizable fuel feed conduit disposed inside the top of one of the heating walls itself but above the top of the heating flue system therein, said conduit extending downwardly from the top of the heating wall and ending in a fuel outlet opening that terminates in the plane of the surface of the heating wall facing and forming the side of the coking chamber, said opening being arranged at a level above the top of the heating flues of the heating wall its fuel feed conduit is disposed within, but at such a distance below the top of the coking chambers as to insure leaving an unobstructed free gas-collecting space above the charge when fed in through the opening.

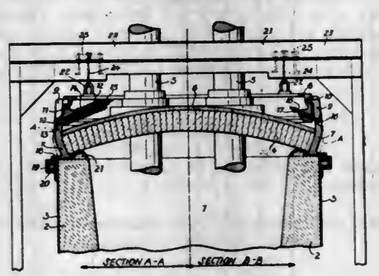


2,200,372

ELECTRIC STEEL FURNACE OR THE LIKE

Willy Linder, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application May 11, 1938, Serial No. 207,295
In Germany May 12, 1937
6 Claims. (Cl. 110—99)



1. Metallurgical furnace or the like with the arched roof of the furnace supported independently of the side walls of the furnace, comprising a rigid frame mounted so as to be lowered and lifted into and out of operative relationship with the furnace, a multitude of segment-like supports carried by said frame, said segment-like supports surrounding the arched furnace roof consisting of refractory bricks and clampingly supporting the bricks in contiguous relationship with each other, said segment-like supports being arranged moveably on said rigid frame in such a manner, that the said supports may move in a generally radial direction and means for adjusting the said segment-like supports, the rigid frame being spaced from the arch roof so as to be entirely clear of the same, the bricks of the roof being free of support by suspensory means between its margins and being otherwise unsupported other than by the segment-like supports that surround the arched roof, and the spaced rigid frame and segment like supports for clamping the bricks also constituting the sole load carrying and supporting means for the arched roof and its bricks.

2,200,373
MANUFACTURE OF TITANIUM DIOXIDE PIGMENTS
Assur Gjessing Oppegaard and Charles J. Stopford, Eaglescliff, England, assignors to Titan Company, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 7, 1939, Serial No. 277,890. In Great Britain June 23, 1938
11 Claims. (Cl. 134—58)

1. The process of preparing a titanium dioxide pigment having improved properties with regard to brightness, tone, fastness to light and softness which comprises decomposing a titaniferous ore to obtain the titanium values thereof in the form of a titanium salt solution, and recovering hydrous titanium oxide from the said solution, and which includes mixing with the titanium pigment forming material at any stage of the process prior to calcination, a controlled small amount of at least one of the substances selected from the group consisting of columbium, tantalum, compounds of columbium and compounds of tantalum, calcining the mixture thus obtained and pulverizing the same.

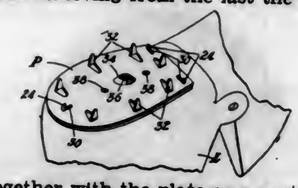
2,200,374
ROTARY PIVOTED HAMMER
Theodore H. Poese, St. Louis, Mo.
Application August 22, 1938, Serial No. 226,044
6 Claims. (Cl. 83—11)



1. A rotary pivoted hammer comprising a flat plate bar forming a shank adapted for pivotal mounting at its inner end and having at its outer end corrugations extending transversely backward from its front edge and laterally from the plane of the shank so arranged in transverse folds that adjacent ridges lie alternately on one side and then the other of the radial plane of the length and width of the bar, forming a zigzag operative front edge.

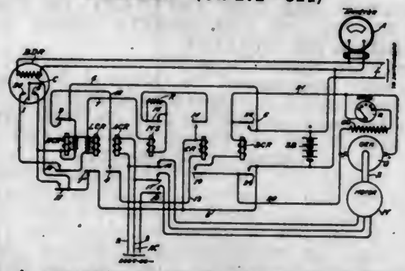
2,200,375
MANUFACTURE OF SHOES
Clifford Roberts, Winchester, and John B. Hadaway, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 25, 1938, Serial No. 221,050
13 Claims. (Cl. 12—142)

1. The method of shoemaking which consists in locating a plate on the heel-seat-portion of a last, thereafter assembling parts of a shoe upon the last, one of said parts being located upon the last-bottom by interengaging means formed in said part and said plate prior to their association, and removing from the last the assembled



parts together with the plate as a portion of the shoe.

2,200,376
GENERATOR CONTROL SYSTEM
John Shaver, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application April 21, 1938, Serial No. 203,270
4 Claims. (Cl. 171—314)

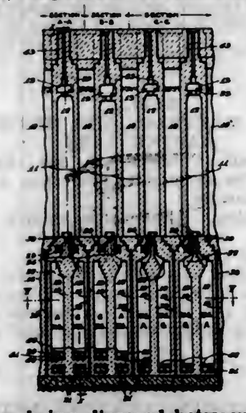


1. A generator control system comprising a variable load circuit, a storage battery for the load circuit, a generator having an output circuit for charging said battery, a battery drain response relay having a winding connected with the load circuit for actuating said relay in response to variations in said load circuit, a contact for said relay movable in one direction when the drain on the battery exceeds a predetermined amount and movable in an opposite direction when the drain on the said battery is less than a predetermined amount, a high contact relay, an energizing circuit for said high contact relay completed when said battery drain response relay contact moves in one direction, means responsive to the operation of said high contact relay for operating said generator, a battery charging relay operable when the output of said generator reaches a predetermined voltage to connect said generator output circuit to said storage battery, an energizing circuit for the battery charging relay having circuit closing means therein closed by the energizing of the high contact relay, a low contact relay, an energizing circuit for said low contact relay completed upon the movement of said movable contact in the opposite direction, and means controlled by said low contact relay for stopping said generator.

2,200,377
COKING RETORT OVEN
Joseph van Ackeren, Pittsburgh, Pa., assignor to Koppers Company, a corporation of Delaware
Application October 17, 1938, Serial No. 235,357
9 Claims. (Cl. 202—268)

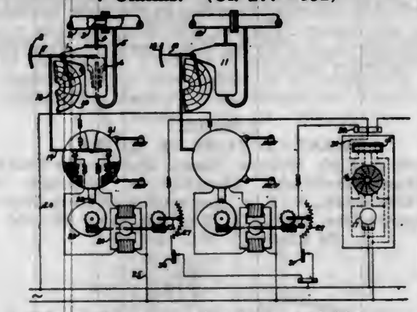
5. A coke-oven battery having horizontally elongated coking chambers arranged in alternation with flued heating walls each having its heating flues communicably connected with each other into flue groups adapted for concurrent operation as flame flues and combustion-product

exhaust flues in alternation with each other, and beneath the coking chambers endwise-abutting exterior and interior cross-regenerators for the respective flue groups and each provided with an individual sole-channel communicably connecting it with a battery face, the sole-channels for interior regenerators extending to a battery face beneath exterior regenerators and in juxtaposition to the sole channels for the exterior regenerators, expansion accommodating means,



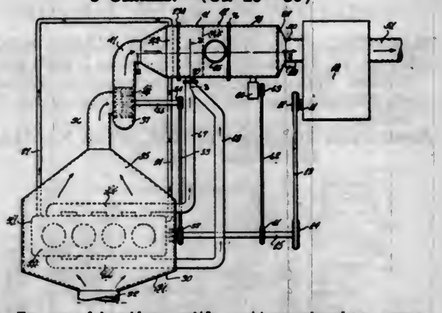
said means being disposed between and without penetration of the enclosing walls of cross-regenerators and sole-channels associated with adjacent heating walls, so as to avoid short-circuiting of gases within the regenerative system for an individual heating wall or between the regenerative systems for a plurality thereof there being a continuous construction free of all open joints for the expansion of the walls of all regenerators and sole channels in communication with one and the same heating wall.

2,200,378
METER
Harry E. Weaver, South Euclid, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application August 19, 1933, Serial No. 685,911
7 Claims. (Cl. 177—351)



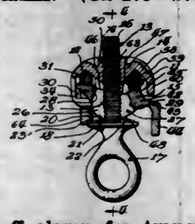
1. Measuring apparatus for a variable comprising in combination, means positioned in accordance with the magnitude of the variable, an electric circuit, a slide wire resistance in said circuit, motor actuated means for varying said resistance, a cam revolved by said motor, means under the joint control of said first named means and said cam for controlling the energization of said motor, said cam being shaped to produce a current in said current proportional in magnitude to the position of said first named means, and current measuring means included in said circuit.

2,200,379
UTILIZATION OF WASTE ENGINE HEAT
Robert D. Williams, Memphis, Tenn., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1938, Serial No. 199,821
3 Claims. (Cl. 19—39)



1. In combination with cotton-ginning apparatus, an internal combustion engine of water-jacketed type, connected as a prime mover for the gin, means for thermally conditioning the cotton incident to the ginning process, and including devices utilizing waste jacket and exhaust heat derived from the engine as a source of thermal energy for said conditioning means, the waste-heat-utilizing means further including an air conduit embodying means for radiating heat externally dissipated by the engine into an air stream in said conduit, and means for displacing the air thus heated to the zone of its application to the cotton, incident to the ginning process.

2,200,380
ELECTRICAL CONNECTOR
Henry W. Bodendieck, Taylorville, Ill., assignor to Tips Tool Co., Centralia, Mo., a corporation of Missouri
Application November 12, 1938, Serial No. 239,912
4 Claims. (Cl. 173—273)



1. In a tap-off clamp for transmission lines, the combination of a threaded member having a clamp-stick-engaging head, a thrust surface, and a threaded shank, with a metal clamping body comprising a metal member having a centrally located threaded bore, a pair of conductor-receiving grooves on the opposite sides of said bore in substantially parallel relation to each other, formed in said body, a pair of guide flanges carried by opposite sides of said body, and said guide flanges extending transversely to said grooves, each of said guide flanges being provided with apertures communicating with one of said grooves, and a clamping member comprising a metal member having a pair of substantially parallel spaced flanges, said flanges be-

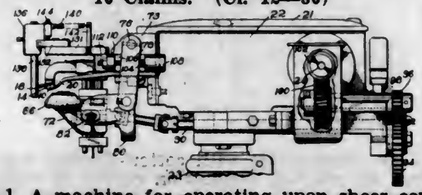
ing joined together at each end by transversely extending wire-engaging portions, said portions being spaced from each other, and said threaded shank being located between said portions and said latter parallel flanges, one of said wire-engaging portions being elongated and extending into the apertures of the first-mentioned parallel flanges, wherein they are pivotally mounted, and the second-mentioned parallel flanges engaging said thrust surface.

2,200,381

MACHINE FOR OPERATING UPON SHOES

Charles G. Brostrom, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application December 8, 1938, Serial No. 244,631
10 Claims. (Cl. 12—30)



1. A machine for operating upon shoes comprising means for operating upon a channel formed on the sole of a shoe, a roll engageable with the shoe upper, means for holding said roll in a desired heightwise position from which said roll may yield both upwardly and downwardly, and means for driving said roll to feed the shoe relatively to said operating means.

2,200,382

FACING UNIT

Frank Clarke, St. Louis, Mo., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application March 8, 1938, Serial No. 194,562
1 Claim. (Cl. 72—18)



A structural building unit comprising a facing tile of vitreous material, a first backing layer cemented to the tile and having one edge overhung by the corresponding edge of the tile, the opposite edge of the layer projecting beyond the corresponding edge of the tile and providing a tongue, a second backing layer of fibrous material cemented upon the back of the first backing layer and having its edges offset with respect to the corresponding edges of the first backing layer in the same direction as the corresponding edges of the tile, but to a substantially greater degree, whereby one edge is overhung by the tongue portion of the first backing layer and also by the corresponding edge of the tile and the opposite edge projects substantially beyond the overhanging edge of the tile to provide a groove to receive the tongue portion of a corresponding block and a lip along the same edge of the tile as the groove projecting beyond the overhanging portion of the tile to be accessible from the front of the tile to receive devices for fastening it to a supporting wall, the backing layers and the tile being of substantially the same face dimensions.

2,200,383

TEXTILE MATERIAL AND METHOD OF MAKING SAME

Cyril M. Croft, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application April 6, 1938, Serial No. 200,433
6 Claims. (Cl. 8—130)

1. In a process of saponifying textile materials containing an organic ester of cellulose, the steps of subjecting the fabric to a saponifying bath consisting of a saponifying agent and pine oil.

2,200,384

EDGE FINISHING LEATHER ARTICLES

Hiotte A. Davis, Lynchburg, Va., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application November 12, 1938, Serial No. 240,062
4 Claims. (Cl. 12—146)



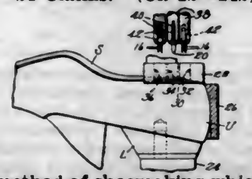
3. That improvement in methods of finishing the top edges of unlined leather shoe uppers which comprises splitting the top edge of the leather inwardly of said edge, folding the margin of the outer split portion inwardly upon and against itself, thereby leaving the inner split portion projecting for tacking to a last, securing the folded outer split portion to the inner portion, and thereafter trimming the inner portion substantially flush with the outer surface of the fold of the outer portion.

2,200,385

MANUFACTURE OF SHOES

Frank A. Eich, Melrose, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application August 4, 1938, Serial No. 223,055
24 Claims. (Cl. 12—142)



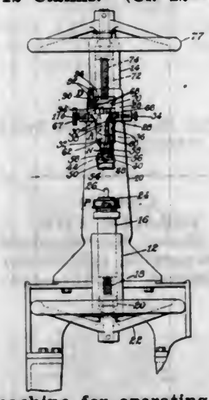
1. The method of shoemaking which consists in driving a series of fastenings from the outside into the margin of and interlocking said fastenings with the assembled parts of the heel-seat-end of a shoe, forming in a shoe-bottom-portion a series of passages so located that said passages and fastenings will register when the bottom-portion is in assemb'ing relation to the shoe, and forcing together the shoe and bottom-portion with the fastenings in the passages.

2,200,386

APPARATUS FOR OPERATING UPON THE HEEL PORTIONS OF SHOES

Frank A. Eich, Melrose, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application November 18, 1938, Serial No. 241,211
12 Claims. (Cl. 12—42)



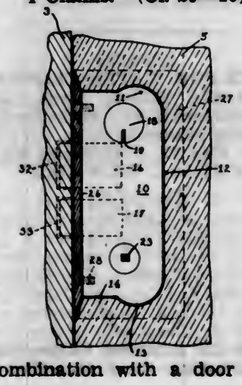
1. In a machine for operating upon the heel portions of shoes, a frame, a shoe-support carried by the frame, and a reciprocatory member movable upon the frame toward and from the support, said frame having a portion located in operative relation to said reciprocatory member and providing an attaching seat, said attaching seat being adapted to mount alternatively a fastening-inserting mechanism including a heel-seat-mold provided with passages and fastening-drivers movable in the passages by said reciprocatory member, or a heel-engaging mechanism having a member movable by said reciprocatory member.

2,200,387

APPLICATION OF SECURING MEANS TO GLASS DOORS

George F. Erath, Queens Village, N. Y., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania

Application July 7, 1938, Serial No. 218,036
4 Claims. (Cl. 20—16)



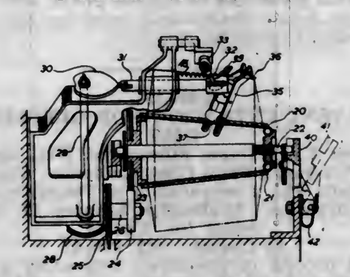
1. In combination with a door comprising a glass panel having a notch formed in one edge thereof and recesses formed to communicate with the notch, a lock casing carrying bosses adapted to engage the recessed portions positioned in the notch, a box flange including a front plate and cover plates disposed upon the panel to cover the lock casing, and screws attaching the lock casing to the box flange to wedge the lock casing in the notch.

2,200,388

TRAVERSE MECHANISM FOR YARN-WINDING MACHINES

Donald Finlayson, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application September 11, 1937, Serial No. 163,428
In Great Britain September 24, 1936
4 Claims. (Cl. 242—43)



2. In a yarn-winding machine comprising a pivoted traverse rod and a guide arm oscillating therewith but pivotally mounted thereon, so as to bear against the surface of the package and to be capable of swinging progressively away from the plane in which the rod oscillates as the package diameter increases, a weighted lever secured to said guide arm so as to produce the desired degree of pressure on the surface of the package and a weight carried by said weighted lever that is adjustable along the length of said lever so that the degree of pressure on the surface of the package may be varied.

2,200,389

PRODUCTION AND TREATMENT OF TEXTILE FABRICS

Donald Finlayson and Joseph Rowland Wylde, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application June 1, 1938, Serial No. 211,217. In Great Britain August 24, 1937
2 Claims. (Cl. 28—1)

1. Process for the production of fabrics exhibiting differential crêpe effects, which comprises forming fabrics which contain highly twisted artificial yarns and which are capable of acquiring a crêpe appearance on treatment with hot aqueous liquids, locally applying to said fabrics a solution of a derivative of cellulose in a solvent medium comprising acetone, ethyl lactate, xylene, denatured alcohol and benzyl alcohol, drying the fabrics to remove the volatile solvent content from the applied solution whereby a water-insoluble film is locally formed on the fabric, subjecting the fabrics to the action of hot aqueous liquids so as to cause the untreated portions of the fabrics to crêpe without affecting the treated portions of the fabrics, and thereafter removing cellulose derivative film from the fabrics.

2,200,390

PROCESSES OF EXTRACTING AND REFINING GLYCERIDES AND PRODUCTS RESULTING THEREFROM

Stephen Edward Freeman, Racine, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application May 22, 1937, Serial No. 144,315
28 Claims. (Cl. 260—412.4)

1. A method of separating glyceride oils of a class consisting of linseed, soya bean, fish, perilla and cottonseed oil from materials containing them which comprises extracting the material with a furan compound selected from the group consisting of furfural and furfuryl alcohol at a temperature not substantially below 104° F. to obtain a solution of oil in the compound, then cooling the solution to effect separation of highly saturated glycerides as a liquid phase, separating the two liquid phases and removing the furan compound therefrom.

2,200,391

SOLVENT EXTRACTION OF GLYCERIDE OILS

Stephen E. Freeman, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application January 17, 1939, Serial No. 251,340
14 Claims. (Cl. 87—6)

1. A process of selectively separating a fraction which is rich in unsaturated glycerides from a material containing said glycerides in admixture with a more completely saturated glyceride, which process comprises contacting the material with an organic solvent, said solvent containing at least one of the activating groups listed in Table A, the total number of carbon atoms in the molecule of solvent not exceeding the sum permissible for the activating groups as determined by the table, which at a low temperature is relatively immiscible with the saturated glyceride, the temperature of treatment being above about minus 20° C., the ratio of solvent and the temperature being below that of complete miscibility with the glycerides, separating the two phases while they are both in liquid state, one containing primarily undissolved glycerides relatively poor in unsaturated glycerides and containing some solvent and the other consisting of solvent in which is dissolved glycerides relatively rich in unsaturates.

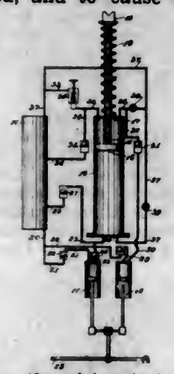
2,200,392

JACK

Israel Goldberg, New York, N. Y.

Application January 5, 1937, Serial No. 119,067
2 Claims. (Cl. 60—52)

1. In a hydraulic jack, a cylinder, a piston therein, a piston rod extending from said cylinder and provided with load-engaging means, a spring interposed between said load-engaging means and said cylinder, hydraulic pump means and a reservoir, a system of valve-equipped conduits connecting said pump means and said reservoir with said cylinder, control valves for governing the flow of liquid above and below said piston, a pressure regulating valve in said system, said spring being adapted to be kept normally under compression, when the control valve above said piston is closed and liquid is drawn from said reservoir and is injected by way of said pump means into the cylinder above the piston, said spring being further adapted to automatically elevate the load-engaging means into a load-engaging position when said control valve above the piston is opened, and to cause the outflow of



liquid from above the piston to below the piston by way of said reservoir.

2,200,393

TOBACCO PIPE

Frederick Hudes, Kew Gardens, N. Y.

Application February 23, 1939, Serial No. 257,860
5 Claims. (Cl. 131—176)



1. A tobacco pipe having a pipe bowl member, a cover member therefor having depending arms receiving the bowl member therebetween, and means at each side of the bowl member interengaging the latter and the adjacent arm, each means including a plurality of heads and recesses therefor, said arms consisting of a relatively resilient material and being adapted to be sprung apart, and the cover member being tiltable and removable, and the cover member cooperating with each of said means so that the heads of each means engage in their respective recess in the closed position of the cover member to prevent accidental tilting of the cover member, and one head of each means being forced out of its recess and serving to spring the arms apart on forcibly tilting the cover member to open position, certain alined heads constituting the pivots for the tilting of the cover member and having a slightly greater depth of engagement in their recesses than the remaining heads have in the recesses of the latter.

2,200,394

SLIP COVER FOR WATER-CLOSET SEATS

Howard C. Leslie, Milton, Mass., assignor to BRE Manufacturing Co., Hyde Park, Mass., a corporation of Massachusetts

Application May 23, 1938, Serial No. 209,406
1 Claim. (Cl. 4—243)



A slip cover for a hinged water-closet seat or the like, comprising sheet material shaped to

provide an envelope adapted to surround said seat, one end of said envelope being open and formed with a central flap and a lateral flap on each side of the central flap, the lateral flaps being folded inwardly about the rear of the seat toward each other and the central flap being foldable about the supporting hinge for the seat inwardly into overlapping relation relative to the ends of the inwardly folded lateral flaps, and sealing means carried by said central flap and effective to hold the folded flaps against the adjacent surface of the body of said envelope.

2,200,395

CONTAINER

Frederick Lobl, Middleboro, Mass.

Application November 19, 1937, Serial No. 175,445
4 Claims. (Cl. 150—8)



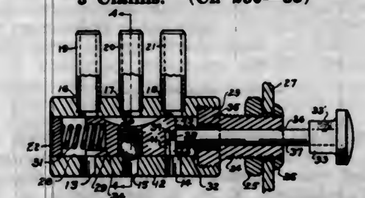
1. A molded rubber hot water bottle having top and bottom flat walls, the top wall having an opening through which the contents of the bottle are adapted to pass, a flexible tab integral with the body of the bottle and projecting outwardly therefrom, the tab carrying a sealing member which is conformed to the configuration of said opening and is arranged to enter and plug said opening upon the flexure of said tab, said opening having a flexible circumscribing lip projecting from the inner face of the wall into the interior of said bottle which grips the sealing member circumferentially, and said sealing member having a resilient circumferentially continuous outstanding head adapted to pass through said opening and to overlie and be seated upon said lip, all parts being integrally molded in one piece and all composed of the same material.

2,200,396

ANTENNA SYSTEM

Cary W. Martin, Los Angeles, Calif.

Application January 25, 1938, Serial No. 186,855
3 Claims. (Cl. 250—33)



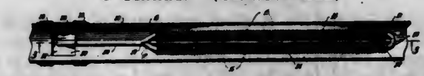
1. A valve adapted to control the projection and retraction of an extensible aerial or the like, comprising a valve casing having substantially aligned ports spacedly arranged along one side thereof, including a centrally disposed eduction port and an inlet port on each side of the eduction port, a valve member slidable but non-rotatable in said casing and having a slot in its side facing said ports, said slot being movable by actuation of the valve to connect either of said inlet ports to said eduction port, the slot having end and side walls, being narrower than the valve member, and being closed except on its side facing said ports, said slot also being insufficient in length to reach either of said inlet ports when the valve is in centered position, whereby when so centered the slot is connected only to the eduction port, and reduced pressure in said port may cause a pressure differential upon opposite sides of said valve to urge the same into sealing engagement with the side of the valve casing in which said eduction port is located, to seal said eduction port.

2,200,397

HEAT EXCHANGE DEVICE

Fredric H. Monson, Minneapolis, Minn.

Application November 12, 1938, Serial No. 239,899
3 Claims. (Cl. 257—241)



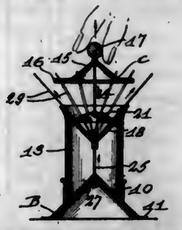
3. In a heat exchanging device, a conduit through which hot gases are passed and a boiler tube structure of generally elongated construction fitted into said conduit and comprising a plurality of elongated and longitudinally expansible boiler tubes arranged and constructed to flex laterally, and means providing conduit connections with the opposite ends of said tubes for circulating fluids therethrough and arranged to secure said ends in substantially fixed condition whereby to cause said tubes to bow laterally against the inner sides of said hot gas conduit in response to expansive efforts in said tubes resulting from the heating thereof by said gases.

2,200,398

TOOTHPICK DISPENSING DEVICE

Jeffroy Monzroll, Montreal, Quebec, Canada

Application October 21, 1938, Serial No. 236,315
2 Claims. (Cl. 312—78)



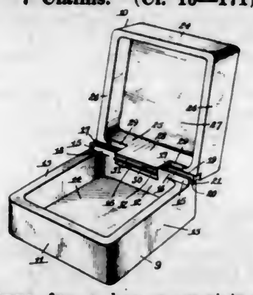
1. A toothpick dispensing device comprising a conical base, an annular ring secured on the base, a cylindrical shell vertically supported in the ring and having the upper end open, a cover adapted to assume a closure position on the upper open end of the shell, a conical tray mounted for limited vertical sliding movement in the chamber of the shell and adapted to receive a number of toothpicks, a circumferentially slotted lid member on the tray for laterally separating the toothpicks in the tray, an element spacedly connecting the slotted lid and cover, and a pivoted connection between said lid and tray to facilitate cleaning of said tray, the said chamber and tray being so formed that toothpicks on the tray will assume approximately upstanding positions therein when the cover is closed and will be moved to laterally projecting positions at the top of the chamber when the cover and tray are elevated to dispensing positions.

2,200,399

HINGE FOR BOXES AND THE LIKE

Alexander Primas, Buffalo, N. Y.

Application October 6, 1938, Serial No. 233,590
7 Claims. (Cl. 16—171)



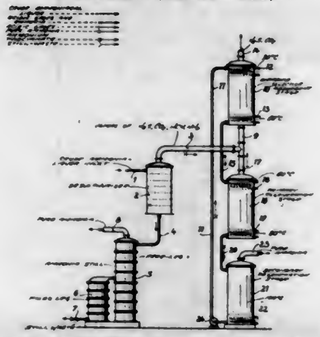
1. A hinge for a box comprising two parts, each of which has a hinge-pin retaining groove opening toward the other part of the hinge and a hinge-pin fitted in the inner ends of said grooves, the walls of said grooves being slightly yielding and formed to receive the hinge-pin under pressure exerted in the direction of the depth of said grooves and to retain said hinge-pin within said grooves under the inherent resiliency of said walls.

2,200,400

PROCESS FOR THE REMOVAL OF ACID IMPURITIES FROM AMMONIACAL LIQUOR

Heinrich Söllner, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application June 24, 1937, Serial No. 150,023
In Germany June 29, 1936
1 Claim. (Cl. 23—193)



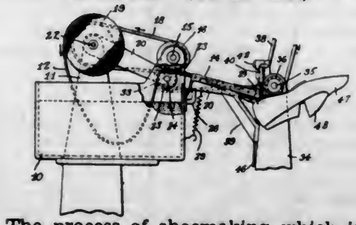
In a process for the removal of acidic gaseous constituents such as H_2S, CO_2, and the like from ammoniacal liquor which comprises: preliminarily desulphurizing the ammoniacal liquor by expelling the acidic gaseous constituents and only part of the ammonia therefrom as vapours, and thereafter distilling the residual ammonia liquor to liberate residual free and fixed ammonia free of acidic gases; subjecting the vapors from the desulphurizing step to selective absorption of ammonia in a separate stage by counterflow treatment with a downflow solution of ammonium thiocyanate to preferentially absorb all of the ammonia and only a minor portion of the acidic gases; releasing the unabsorbed acidic gases from the process at the upper region of the selective absorbent stage; regenerating the selective absorbent solution by distilling the same in separate primary and secondary regeneration stages with passage of the liquid serially through the same from top to bottom of the respective stages, and thence from the bottom of the secondary regeneration stage back into the upper region of the selective absorbent stage and with passage of the vapours driven off in the primary regeneration stage from the upper part of the same into the bottom of the selective absorbent stage; the improvement comprising: maintaining the temperatures of the vapors in the upper part of the selective absorbent stage at about 35° C. and in the lower part at about 60° C., and in the primary regeneration stage maintaining a temperature of about 60° C. in the upper part and a temperature of about 80° C. in the lower part, and in the secondary regeneration stage maintaining a temperature of about 100° C.; removing the ammonia liberated in the secondary regeneration stage from the process at the upper part of said stage; and removing the ammonia liberated from the free and fixed ammonia in the aforesaid distilling step from the process at the distilling step as substantially pure ammonia vapours and by-passing the preliminary desulphurizing, selective absorbent, and regeneration steps, with all of said substantially pure ammonia vapors.

2,200,401

SHOEMAKING

Karl A. Stritter, Nahant, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application December 15, 1937, Serial No. 179,930
6 Claims. (Cl. 12—142)



1. The process of shoemaking which includes the steps of applying plastic material having latent rigidity equivalent to that of a wooden shank stiffener of substantially the same size to the shank and heel portions of the shoe bottom which has been previously longitudinally curved on a last bottom, applying rolling pressure progressively lengthwise of the shoe to said material thereby uniting it to the outer surface of the insole, and molding it to fill the space between the overlasted margins of the upper in the shank and heel-seat portions of the shoe bottom, and thereafter permitting the material to become so rigid that it takes the place of a wooden shank stiffener in the shoe bottom.

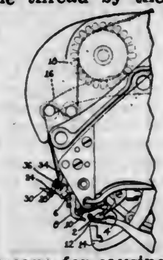
2,200,402

INSEAM SHOE SEWING MACHINE

Victor J. Tetrault, Nashua, N. H., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application December 20, 1938, Serial No. 246,866
8 Claims. (Cl. 112—252)

1. An inseam shoe sewing machine having, in combination, thread handling devices including a curved hook needle and a looper, a thread cutter to sever the thread at the completion of a seam, a thread holder comprising gripping jaws to hold the end of the thread in starting a new seam, a support for the jaws movable with the jaws towards the sewing point under the pull exerted on the thread by the thread handling



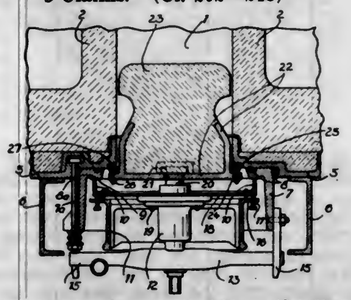
devices, and means for causing the thread to be withdrawn from the jaws during the first retracting stroke of the needle in starting a new seam.

2,200,403

COKE OVEN DOOR OR THE LIKE

Paul van Ackeren, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application December 22, 1937, Serial No. 181,195
In Germany December 23, 1936
5 Claims. (Cl. 202—248)



1. A coke oven door assembly or the like with metal-to-metal gas-tight sealing, comprising an inner rigid door plug body; an outer resilient sealing member adapted to seat against the door frame for the door in the closed position of the door, and means for latching the door to the door frame, said resilient member being adjustable and connected with the inner rigid door body by means of an outer elastic sheet metal plate; an inner sealing member on the inner rigid door body, said inner sealing member being adapted to seat in the closed position of the door against the door frame in a zone lying between the outer sealing member and the coking chamber; said inner rigid door plug body and said outer elastic sheet metal plate separably being connected with each other for separate movement as unitary wholes relative to each other and being provided with means for regulably adjusting the distance between them whereby said outer and said inner sealing members may be adjustable relative to each other in the direction of the doorway.

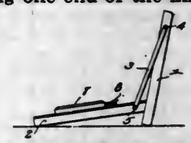
2,200,404

DISPLAY CASE

Lucien E. Vogt, Boston, Mass., assignor to Farrington Manufacturing Company, Boston, Mass., a corporation of Massachusetts

Application February 17, 1939, Serial No. 256,944
4 Claims. (Cl. 206—44)

1. A display case comprising a bottom and a cover which are thin and which have substantially the same horizontal dimensions, links for pivotally interconnecting the bottom and cover at opposite sides of the case, bottom pivots interconnecting one end of the links with the bot-



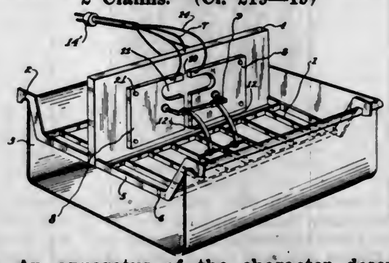
tom near the rearward edge of the bottom, and cover pivots interconnecting the other ends of the links with the cover near the forward edge of the cover.

2,200,405

ELECTRICAL METHOD AND APPARATUS FOR PREPARING FOOD

Glenn W. Watson and Earle C. Brannas, Detroit, Mich., assignors to Penweld Corporation, Detroit, Mich., a corporation of Michigan

Application June 11, 1938, Serial No. 213,197
2 Claims. (Cl. 219—19)



1. An apparatus of the character described comprising, in an electric circuit, a grill adapted to be supported on a receptacle, a conducting plate fixed edgewise to said grill, a plate at each side of the first named plate and movably mounted to permit insertion of food between it and the first plate, the first plate being connected to one side of said circuit and the remaining plates to the other side of the circuit.

2,200,406

HEAT TREATMENT OF FOOD

Glenn W. Watson, Detroit, Mich., assignor to Penweld Corporation, Detroit, Mich., a corporation of Michigan

Application July 7, 1938, Serial No. 217,941
7 Claims. (Cl. 219—19)



1. A device of the character described comprising, in a circuit, two groups of conductors connected to opposite sides of the circuit, resistance

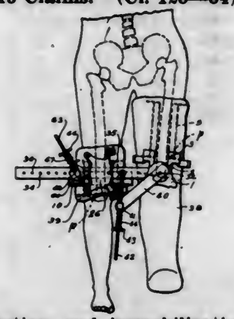
elements carried by one of said groups, said elements and the other group being adapted to engage the same surface of an article of food, and another conducting member connected to same side of the circuit as said other group and adapted to engage another surface of said article of food, whereby current flows from said other group through the food to said conducting member and from said resistance elements across the surface of the food to said other group.

2,200,407

FRACTURE REDUCING AND IMMOBILIZATION SPLINT

Roger Anderson, Seattle, Wash.

Application January 18, 1937, Serial No. 121,146
15 Claims. (Cl. 128—84)



1. A reduction and immobilization splint for leg fractures, comprising an anchor frame adapted for fixed connection with the well leg, a traction frame adapted for a fixed skeletal connection with the injured leg at a point below the fracture, a lever mechanism connecting the frames and adjustable to effect an application of tractive force to the traction frame; said traction frame having a connection with the lever permitting upward and downward tilting of the frame relative to the plane of the legs, and means for sustaining an adjustment of the traction frame about the said connection.

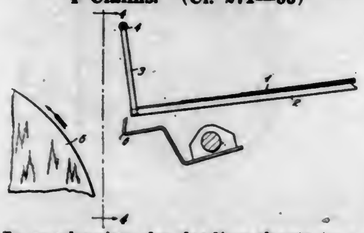
15. A method of reducing fractures of the femur occurring in the inter-trochanteric and inter-cervical region which comprises applying traction to the distal fragment through the mediacy of direct skeletal attachment means, and mechanically maintaining the tractive forces in a direction whereby muscle connections will cause an inward pressure of the fragment at the fracture, whereby to maintain contact during the healing period.

2,200,408

SHEET FEEDER

Headley Townsend Backhouse, London, England

Application December 4, 1937, Serial No. 178,129
In Great Britain June 26, 1937
4 Claims. (Cl. 271—53)



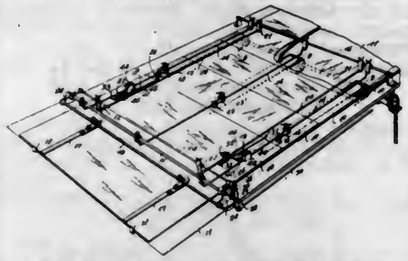
1. In mechanism for feeding sheets to a printing press or other sheet handling machine, a feed board over which the sheets pass, front lays movable to a position at the forward end of said feed board for front registering the sheets one after another, and a sheet arresting device normally ineffective with respect to properly fed sheets arranged to move upwardly from a level beneath the feed board to a position above the feed board slightly in advance of the operative position of the front lays and prior to the time the front lays assume their registering position to engage any misplaced sheet and prevent its being moved forward on the feed board substantially past the registering position.

2,200,409

SHEET FEEDING MECHANISM

Headley Townsend Backhouse, London, England

Application February 16, 1939, Serial No. 256,707
In Great Britain October 8, 1938
9 Claims. (Cl. 271—54)



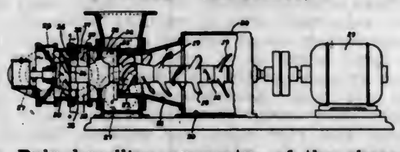
1. In a sheet feeder, the combination with a layboard and front lays of means for moving a stream of sheets over the layboard with the rear edge of each sheet overlapping the next succeeding sheet, supplementary sheet impelling means operable to engage the rear edge only of each leading sheet in turn as the front edge of that sheet approaches the front lays and to impart to the sheet a thrust in the feeding direction additional to that of the stream moving means.

2,200,410

PAPER MAKING MACHINERY

Joseph E. Bond, Middletown, Ohio

Application October 19, 1938, Serial No. 235,727
5 Claims. (Cl. 92—20)



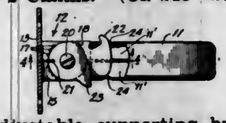
1. Pulp handling apparatus of the character described comprising a first chamber having inlet and outlet passages, a circulating tank for receiving material from the outlet passage and circulating the material to the inlet passage of said first chamber, a shaft rotatable in said chamber and provided with impact impeller blades having propulsive surfaces inclined to the plane of rotation to force the material handled in one direction along the shaft from the inlet to the outlet passage of said chamber, an auxiliary chamber having an inlet passage communicating with the outlet passage of said first chamber at a point ahead of the tank and having an outlet passage extending to the tank above the level of the material in the tank, and auxiliary impact impeller blades on said shaft having inclined propulsive surfaces for forcing material in an opposite direction along the shaft to the outlet passage of the auxiliary chamber.

2,200,411

CURTAIN FIXTURE

James H. Boye, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application January 16, 1939, Serial No. 251,110
2 Claims. (Cl. 248—265)



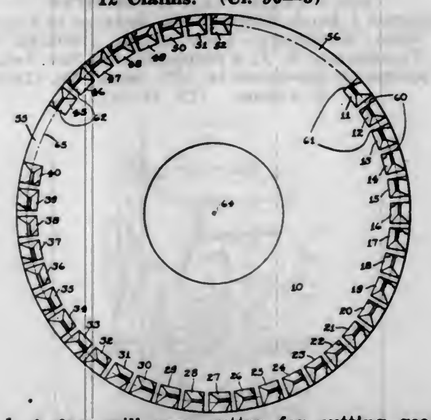
2. An adjustable supporting bracket for the ends of a curtain rod adapted to support the latter in either a horizontal or an upwardly tilted position, comprising a fixed flat forwardly projecting horizontal arm disposed in a vertical plane and means for attaching the same to a window frame, a flat rod-supporting member overlapping one side of said arm and horizontally pivoted on the latter, said rod-supporting member having on its upper edge an upwardly and rearwardly inclined hook adapted to engage with a hole in the curtain rod and on its lower edge a depending stop lug presenting a flat front edge adapted to serve as an abutment for the lower end edge of the curtain rod, and means for locking said rod-supporting member to said arm in any angularly adjusted position of said rod-supporting member.

2,200,412

CUTTER FOR AND METHOD OF CUTTING GEARS

Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application September 4, 1937, Serial No. 162,489
12 Claims. (Cl. 90—5)



1. A face-mill gear cutter for cutting gears in a generating operation by continuous rotation of the cutter and intermittent indexing of the blank, comprising a rotary head and a plurality of cutting blades which project beyond one side face of the head in the general direction of the axis of the head, said blades being arranged in two groups with a gap between the last blade of one group and the first blade of the other group, said gap being provided to permit of indexing the blank without relative withdrawal of the cutter from the blank, the blades of one group being sharpened to have cutting edges for cutting opposite sides of a tooth space and the blades of the second group being sharpened to have cutting edges for cutting only one side of a tooth space.

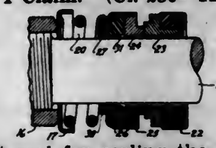
5. The method of cutting a gear which comprises roughing out a tooth slot and finishing one side of the tooth slot during relative roll of the cutter and blank in one direction, displacing the blank relative to the tool at the end of the roll in said direction, and finishing the opposite side of the tooth slot during relative roll of the cutter and blank in the opposite direction.

2,200,413

ROTARY SHAFT SEAL

Robert W. Christman, Pontiac, and Willett J. McCortney, Royal Oak, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

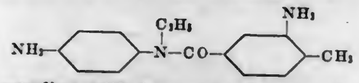
Application December 8, 1938, Serial No. 244,626
1 Claim. (Cl. 286—11)



In a shaft seal for sealing the shaft opening through which a rotary shaft extends from a casing, said seal comprising an annular, stationary gasket seated in said casing at the inner edge of the shaft opening, a stationary, hard sealing member seated upon said gasket and loosely surrounding said shaft, a rotary, hard sealing member loosely surrounding said shaft, said hard sealing members having adjacent surfaces in running contact with each other for sealing the casing, a resilient sealing member comprising a portion surrounding and gripping said shaft in sealing engagement therewith and a flange extending radially therefrom and having a surface in sealing engagement with the surface of said rotary, hard sealing member opposite the sealing surface thereof, a shoulder on said shaft, and a compression spring compressed between said shoulder and said flange whereby to force the resilient sealing member, the rotary, hard sealing member, the stationary, hard sealing member, and the gasket into firm engagement with each other and to firmly press said gasket against said casing; the improvement comprising an improved resilient sealing member having an annular recess therein at the juncture of the surface engaging and gripping the shaft and the surface engaging said rotary, hard sealing member, said recess being of sufficient depth that the flange of said resilient sealing member is supported by a relatively narrow ring of resilient material permitting flexure of said flange with respect to said portion surrounding and gripping the shaft and said recess also providing a free space adjacent the surface of the shaft within which material of said flange may be forced to accommodate relative movement of the flange and the portion surrounding and gripping the shaft during stretching of said ring of resilient material in response to the thrust of said spring causing said rotary, hard sealing member to move away from said shoulder and toward said gasket as the engaging surfaces of said hard sealing members wear in use, whereby to permit the portion of said resilient sealing member surrounding and gripping said shaft to become bonded to the shaft without destroying the effectiveness of the shaft seal.

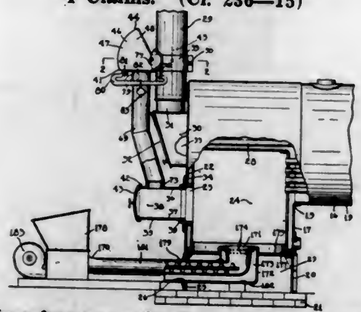
2,200,414
MANUFACTURE OF NEW AZO DYESTUFFS
Wilfrid Herbert Cliffe, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 21, 1937, Serial No. 144,099. In Great Britain May 26, 1936
7 Claims. (Cl. 260—160)

1. Process for the manufacture of new azo dyestuffs which comprises tetrazotising 1 molecular proportion of a compound of the formula



and coupling with two molecular proportions of the same or two different coupling components.

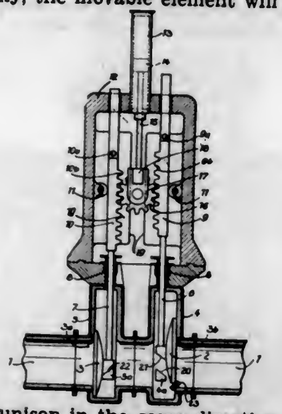
2,200,415
AUTOMATIC DRAFT REGULATED FURNACE
Arthur D. Cole, Minneapolis, Minn.
Application March 29, 1937, Serial No. 133,587
In Canada May 21, 1934
4 Claims. (Cl. 236—15)



1. In a furnace, a fire box providing a combustion chamber, said fire box having a firing doorway therein, a neck open at its ends, said neck being adapted to cover said doorway and extending outwardly from said fire box, said neck having a laterally disposed opening therein, a fire door mounted on said neck and closing the outer end thereof, means forming a passageway for gases of combustion, said passageway communicating with said combustion chamber, a damper in said passageway, a pressure responsive damper control for operating said damper, said control being connected to said neck and being subjected to the pressure within the combustion chamber through the lateral opening in the neck.

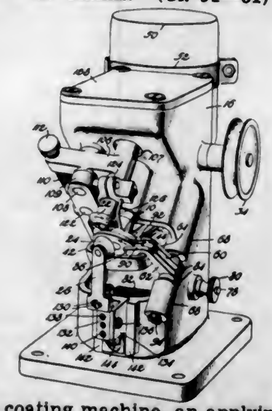
2,200,416
MEANS FOR THE CLOSING OR SHUTTING OFF OF PIPES, CHANNELS, OR THE LIKE
Joseph Daniels, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application January 11, 1938, Serial No. 184,371
In Germany January 14, 1937
2 Claims. (Cl. 277—33)

2. Closure means for pressure-fluid conduits traversed by liquids or gases, comprising at least two shut-off valves mounted for movement in the same direction transversely of the conduit, said valves being each provided with an operating rack each of which is mounted for movement independently of the other; a common actuating member provided with a movable element in engagement with each of the operating racks to operate the same; said common actuating member being mounted for moving the movable element longitudinally of the direction of movement of the valves to move their racks and the valves in unison in the same direction to and from the valve seats, and the movable element being mounted for movement on the operating member and being freely connected with the teeth of the racks to be free to move therealong so that when the common actuating member is actuated longitudinally, the movable element will move both



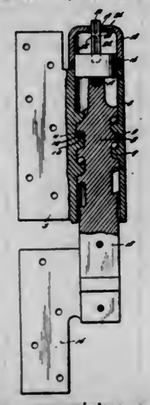
racks in unison in the same direction, but upon premature arrestment of one valve the movable element then may move relative the arrested rack and, upon further longitudinal movement of the actuating member, the movable element may then move along the teeth of the arrested rack and thereby continue the longitudinal movement of the other rack and its valve into and out of seating relation notwithstanding the premature arrestment of one of the valves and its rack.

2,200,417
SOLE EDGE INKING MACHINE
Thomas J. Doyle, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 14, 1937, Serial No. 179,745
21 Claims. (Cl. 91—51)



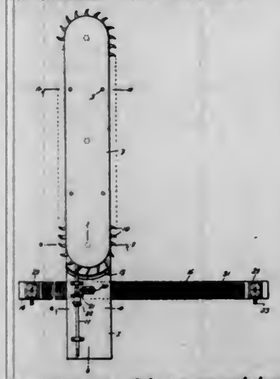
1. In a coating machine, an applying roll having a work-receiving groove, means for rotatably supporting said roll on an axis inclined to the horizontal, a receptacle for supplying coating material to the lower side of the roll, and means associated with the upgoing side of the roll for controlling the quantity of coating material.

2,200,418
HINGE
Harry J. Dudley, Raybrook, N. Y.
Application March 28, 1939, Serial No. 264,646
9 Claims. (Cl. 16—68)



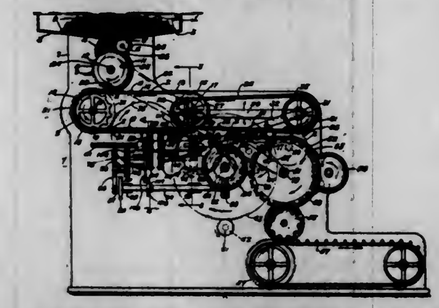
1. A door hinge comprising a hinge plate attachable to a door jamb and a hinge plate attachable to a door, a cylinder carried by one of the hinge plates, a stem carried by the other hinge plate, a screw engagement between the cylinder and stem to cause relative longitudinal movement between the stem and cylinder during swinging movement of the door, said cylinder having an air chamber therein, a piston carried by the stem having a working fit in the chamber and means controlling atmospheric communication with the chamber during movement of the door in one direction to retard movement of the piston.

2,200,419
COAL CUTTING MACHINE
Hubert D. Fanning and Loyd V. Fanning, Bokoshe, Okla.
Application April 12, 1939, Serial No. 267,502
3 Claims. (Cl. 262—29)



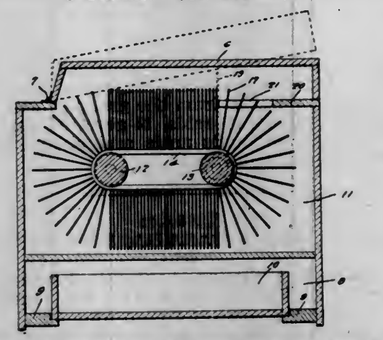
1. A coal cutting machine comprising an elongated member having a channel in its sides and ends, said member being composed of upper and lower members connected together and having circular recesses therein, a wheel assembly rotatably arranged in each recess and including upper and lower toothed disks and a worm wheel between the disks and connected therewith, endless chains passing over the toothed disks, teeth carried by the chain and having portions engaging the teeth of the disks, a shaft rotatably supported by the two members of the elongated member and worms carried by said shaft and engaging the worm wheel.

2,200,420
MACHINE FOR ATTACHING IGNITION BANDS TO CIGARETTES
Ansley H. Fox, Pleasantville, N. J., assignor to Inventions Holding Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 27, 1936, Serial No. 107,883
11 Claims. (Cl. 131—95)



1. In a cigarette banding machine, the combination with a table, of means for depositing cigarette blanks successively on said table, means for rolling said blanks over the table, means for inserting an adhesive-coated strip of banding material in the path of said blanks as they roll over the table whereby said strip is caused to adhere to the rolling blank and is wound upon the latter, and means for dividing said blank upon a transverse line passing through the middle of said band to thereby produce two cigarettes each having a narrow adhering band at one end thereof.

2,200,421
ROTARY FILE
Guy D. Huff, Plus, W. Va.
Application July 21, 1939, Serial No. 285,784
5 Claims. (Cl. 129—2)



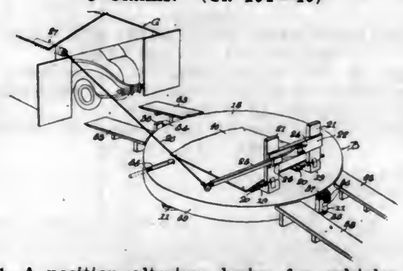
1. In a filing device of the character described, a cabinet open at the top thereof, a pair of spaced apart rollers journalled transversely in said cabinet, endless belt means trained over said rollers, a plurality of filing leaves secured to said belt means to move therewith and to receive matter to be filed therebetween and stop means in the cabinet for engaging matter filed between the leaves for preventing movement of the belt means until such matter is removed.

2,200,422

VEHICLE POSITION ALTERING DEVICE

Fred W. Jacobs, Louisville, Ky.

Application October 28, 1939, Serial No. 301,814
8 Claims. (Cl. 104—40)



1. A position altering device for vehicles including a supporting frame, a vehicle-supporting disk journaled on said frame for movement about a vertical axis, energy storing and power applying means fixedly mounted without the confines of said disk, means on said disk and connected with said energy storing and power applying means and disposed in position for being engaged and moved by a vehicle as it moves onto the disk whereby movement of the vehicle onto the disk will serve to store energy in the energy storing and power applying means effective when the vehicle is on the disk to move the disk and the vehicle thereon, and means for limiting movement of the disk.

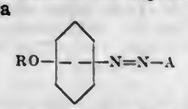
2,200,423

MONOAZO DYESTUFFS AND THEIR MANUFACTURE

Adolf Krebser, Riehen, near Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application November 4, 1938, Serial No. 238,893. In Switzerland November 13, 1937
5 Claims. (Cl. 260—163)

1. Monoazo-dyestuffs corresponding to the following formula



wherein R means an alkyl radical with at least 8 carbon atoms and A the radical of a coupling component selected from the group consisting of naphthol sulphonic acids, N-acylated peri-aminonaphthol sulphonic acids and phenyl methyl pyrazolone sulphonic acids.

2,200,424

METHOD AND APPARATUS FOR FREEZING ICE

Benjamin F. Kubaugh, Louisville, Ky., assignor to Henry Vogt Machine Co., Inc., Louisville, Ky., a corporation of Kentucky

Application May 10, 1938, Serial No. 207,128
12 Claims. (Cl. 62—164)

1. Ice freezing apparatus comprising a pair of evaporators adapted to function in recurrent rotation, each comprising a shell, said shells being connected in multiple between the liquid and suction sides of a refrigeration system, and positioned to alternately receive liquid refrigerant up to a predetermined normal level, each shell having a bundle of water tubes passing therethrough opening in the top and bottom thereof, water-receiving means above said shells communicating with the open ends of said water tubes, means below said shells into which water discharges from said tubes, a conduit from said discharge means to said receiving means, a pump in said conduit for circulating water through said tubes, valves for cutting water off and on with respect to said tube bundles, valve-controlled means for permitting the liquid refrigerant in said shells to be displaced from one shell into the other, a conduit connecting said shells above the normal liquid level therein with that part of the refrigeration system in which the refrigerant



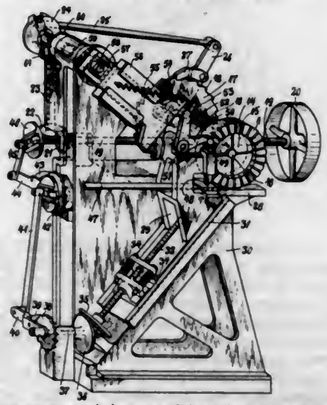
is in hot compressed gas phase, means whereby the hot compressed gas can be admitted into either shell and excluded from the other for displacing the liquid refrigerant from one to the other and thawing the ice bond between the ice cores and walls of the tubes of the bundle associated with the shell from which the liquid refrigerant has been displaced, the open lower ends of said tubes permitting gravitational discharge of the ice cores from said tubes, a stop plate spaced from the lower openings of said tubes determining the extent of protrusion of said ice cores, and means for shearing the protruding portions of said ice cores.

2,200,425

MACHINE FOR PUNCHING AND COILING DYNAMO CORE RIBBONS

Ernst Kürsteiner, Kjelsas, near Oslo, Norway

Application February 17, 1937, Serial No. 126,282
10 Claims. (Cl. 164—87)



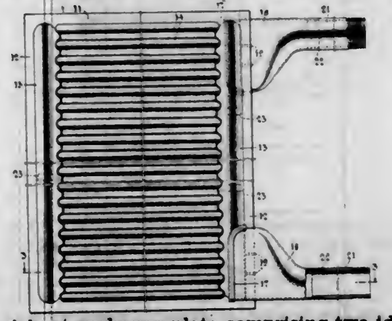
1. Improvement in machine for the manufacture of stripwound magnetic cores for dynamos from a continuous ribbon of iron material, comprising a rotatable coiling means for the ribbon, punching means adapted to provide apertures in the ribbon, prior to the coiling of same, the said coiling means and the said punching means being moveably mounted in relation to each other along a line in angular relation to the tangent at that point on the coiling means where the ribbon is first in contact with the same in the coiling process, said punching means comprising a table, the plane of which alines with the tangent to the point of application of the ribbon to the core being coiled, and driving means in mechanical combination with the coiling means for moving the coiling means and the locking means away from each other at such a speed that the said table at all times will press the ribbon against the core at the point of application.

2,200,426

BAUDELOT WATER COOLER

Edward G. Lehman, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware

Application June 7, 1939, Serial No. 277,943
5 Claims. (Cl. 257—256)



4. A heat exchange plate comprising two identical sheet metal stampings having peripheral mating flanges welded together, the mating faces of the flanges being in the median plane of the plate, each stamping having two parallel header channel bosses pressed outward from the plane of the flanges, and pass channel bosses forming channels connecting the header channels and pressed outward from the median plane, each stamping having an opening surrounded by a seat formed in the wall of a header channel near the end thereof and outside said peripheral flange; flow connection fittings welded to said seats and arranged to direct flow in a direction tangential to said header, said seats being elongated in the direction of the length of the header and the fittings being flared in the direction of the length of such seat; and at least one insert welded in a header channel and obstructing the header formed by mating channels in the two stampings whereby at least two successive flow passes through passes formed by pass channels between said flow connection fittings are afforded.

2,200,427

PROPELLER DEVICE

Francesco Merz, Turin, Italy

Application April 20, 1938, Serial No. 203,218
In Italy April 22, 1937
8 Claims. (Cl. 244—63)

1. A propeller device, comprising a plurality of bores, each having a longitudinal slit formed along a generatrix, pistons movable in said bores, ribbons for closing said slits, a carriage, connecting means between the pistons and carriage, guiding means on said connecting means for shifting said ribbons from said slits and permitting the passage of said connecting means through the slits, and means for admitting and



discharging a pressure fluid into and out of said cylinders for reciprocating said carriage along said cylinders and braking it at the end of its strokes.

2,200,428

ADJUSTABLE METHOD OF CONNECTING TWO FABRICS

Adolph Ostwald, New York, N. Y.

Application March 30, 1937, Serial No. 133,757
4 Claims. (Cl. 2—265)



1. An adjustable mounting for attaching fasteners to fabrics comprising an elongated strip of flexible material, a plurality of substantially C-shaped members attached thereto and forming a partially-closed mouth channel therealong, a co-operating flexible bar having a plurality of fastening elements attached thereto, said bar being substantially wider than the mouths of said members and adapted to be fitted therethrough into said channel to engage the said fabric in said channel.

2,200,429

INTERPOLYMERIZATION OF ETHYLENE

Michael Willcox Perrin, Eric William Fawcett, John Greves Paton, and Edmond George Williams, Northwich, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application April 21, 1938, Serial No. 203,442. In Great Britain April 22, 1937
19 Claims. (Cl. 260—80)

9. An interpolymer of ethylene and at least one other polymerizable organic compound having ethylenic unsaturation, said interpolymer being that obtained by heating a mixture of ethylene and said compound at a temperature of 100° C. to 400° C. under a pressure of more than 500 atmospheres.

2,200,430

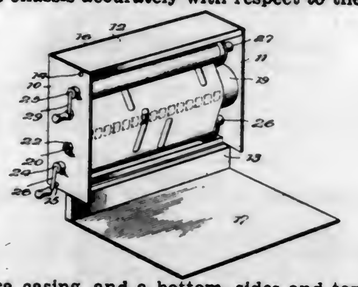
MUSICAL INSTRUMENT AND METHOD OF ASSEMBLING THE SAME

Harry Pullen, Easton, Md., assignor to PlaRola Corporation, Easton, Md., a corporation of Maryland

Application January 26, 1937, Serial No. 122,455
Renewed March 18, 1940
9 Claims. (Cl. 29—84)

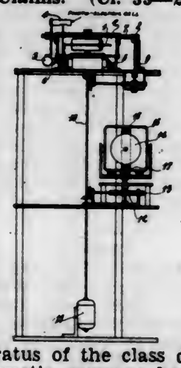
1. A musical instrument of the player type having a rigid chassis comprising separate end plates formed with spaced openings, a slotted harmonica casing closed at its ends by said plates and accurately positioned with respect to the aforesaid openings in its assembly therewith, tie means for drawing the plates into tight, sealing

engagement with the ends of the harmonica casing, spool supports received in the openings in said plates whereby a pair of spools is positioned in the chassis accurately with respect to the har-



monica casing, and a bottom, sides and top surrounding said chassis to form, with the said plates as end walls, a housing or resonance chamber for the instrument.

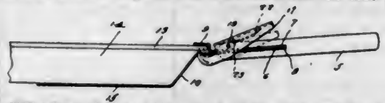
2,200,431
COMBINED MAGNETIC COMPASS AND DIRECTIONAL GYROSCOPE
Jacques Rateau, Montrouge, France
Application May 19, 1937, Serial No. 143,607
In France May 26, 1936
5 Claims. (Cl. 33—204)



1. An apparatus of the class described, comprising a magnetic compass having a dial, a gyroscope having a supporting shaft, a photoelectric cell, means for projecting a beam of light on said cell, means for supporting said cell and light-projecting means for rotation about the axis of the compass dial, means carried by said dial and interposed between the cell and projecting means for variably modifying the intensity of said beam of light, a motor controlled by said cell for rotating the support of the cell and light-projecting means about the axis of said dial in an amount and direction corresponding to the amount and direction of rotation of said dial so that the beam of light will always pass through the same point on the dial, and means actuated by said motor for effecting angular displacements of said gyroscope about the axis of its shaft corresponding to the mean displacements of said dial.

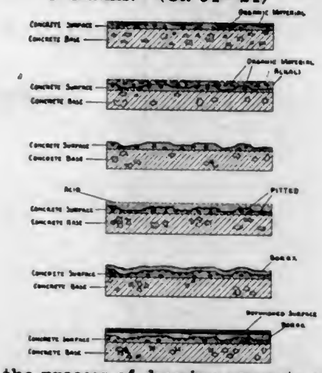
2,200,432
PAN LIFTER
Bert Reed, Moorhead, Minn.
Application March 28, 1939, Serial No. 264,636
3 Claims. (Cl. 294—29)

1. A pie pan lifter comprising a handle, a pair of gripping members each having one end in flatwise engagement with the other and fitted in the handle, the other ends of the members projecting outwardly from the handle, one of said members extending under the bottom of the pan



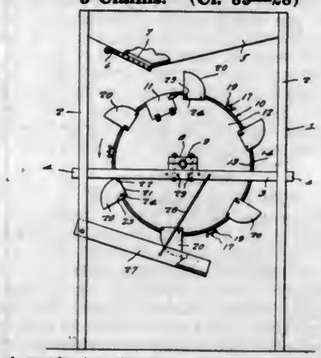
to be lifted and the other member bearing against the top of the rim of the pan and a pivoted clamping member carried by the handle and engageable with the under side of the rim for cooperation with said other member in clamping the rim therebetween.

2,200,433
METHOD OF DRESSING CONCRETE SURFACES
Nathan H. Ripley, Murphysboro, Ill.
Application June 28, 1937, Serial No. 150,887
3 Claims. (Cl. 94—24)



1. In the process of dressing concrete surfaces having a hydrocarbon film thereon comprising substantially removing said film, the improvement which comprises superficially treating said surface with powdered sodium orthoborate and the like whereby adhesion of subsequently applied cementitious material is promoted, prior to applying on said treated surface a dressing mixture including cement.

2,200,434
GRAIN TREATING MACHINE
John Fillmore Stokes, Barlow, N. Dak.
Application October 23, 1939, Serial No. 300,882
5 Claims. (Cl. 83—28)



1. A grain treating machine comprising a sup-

porting structure, a hopper mounted on said supporting structure, a drum, for the reception of dust, rotatably mounted on the supporting structure beneath the hopper, said drum having peripheral ports therein for the discharge of the dust, and means on the drum engageable by the grain flowing from the hopper for rotating said drum.

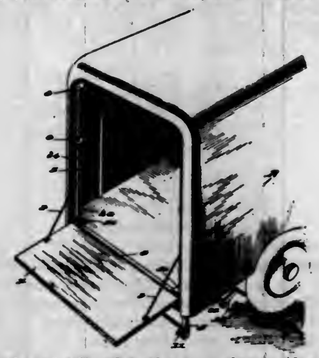
2,200,435
BROOM HOLDER
Hoyt S. Thrasher, Birmingham, Ala.
Application November 1, 1938, Serial No. 238,243
2 Claims. (Cl. 248—111)



2. A holder comprising a plate consisting of a structure attachable end portion having a downwardly disposed supporting structure abutting portion, said plate having a horizontal portion extending outwardly from the abutting portion and provided with a vertical outer portion, said plate extending inwardly from said vertical portion to define a horizontal portion spacially overlying the first-mentioned horizontal portion, said upper horizontal portion being attached to the structure attachable end portion of the plate, said upper horizontal portion having an article receiving opening therein, the lower horizontal portion being formed with a smaller opening defining a seat for an article to be supported, and an L-shaped post having its lower portion secured to the structure attachable end portion connected end of the upper horizontal portion of the plate, said L-shaped member having its vertical portion starting from a point adjacent the opening in the upper horizontal plate and provided with an article engaging clip at its upper end.

2,200,436
TRUCK TAIL-GATE LIFT
Charles W. Van Blarcom and William A. Harris, Boonton, N. J.
Application August 6, 1937, Serial No. 157,802
6 Claims. (Cl. 214—75)

1. Mechanism of the character described comprising guide cylinders, pistons and piston rods operating therein, columns slidably connected with and guided by the cylinders, a sill connecting the lower ends of the columns, a gate connected with the sill, spring-actuated slide bolts in position to support the sill when in its elevated position, a fluid supply system connected with the cylinders, a pump for circulating the fluid, valves for controlling the direction of movement of the fluid, a shaft and connections therefrom to the valves and the bolts, and means for actu-

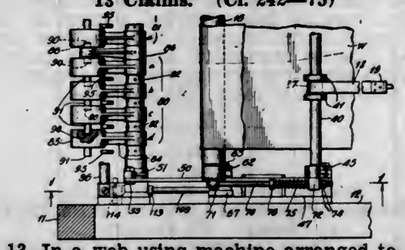


ating the shaft whereby to release the bolts and to operate the valves.

2,200,437
HIGHLY VISCOUS POLYMERIZATION PRODUCTS AND A PROCESS OF PREPARING THEM
Arthur Voss, Frankfort-on-the-Main-Hochst, Germany, and Werner Heuer, deceased, late of Hofheim, Germany, by Johanna Auguste Asta Heuer, administratrix, Hofheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 15, 1938, Serial No. 246,000. In Germany July 26, 1934
19 Claims. (Cl. 260—86)

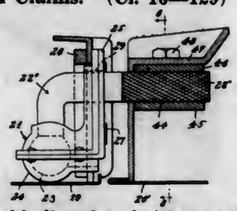
3. The process which comprises polymerizing vinyl esters of organic monocarboxylic acids together with organic unsaturated compounds known to yield interpolymerization products with said vinyl esters and effecting the polymerization in the presence of peroxides of fatty acids containing at least 16 carbon atoms.

2,200,438
TENSIONING MEANS
Henry A. Wise Wood, New York, N. Y., assignor to The Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application March 19, 1936, Serial No. 69,607
Renewed September 16, 1939
13 Claims. (Cl. 242—75)



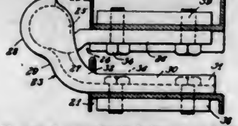
13. In a web-using machine arranged to draw a web from a rotary web roll, a device for controlling the rotation of said roll to tension said web, said device comprising a brake element adapted to bear against the roll, means acting on said element to impose a frictional drag on the roll, means for retaining a portion of said first mentioned means in inactive position to reduce the drag on the roll as desired, and means responsive to the tension of the web opposing the pull of the first mentioned means.

2,200,439
HINGE
Seth B. Atwood, Rockford, Ill.
Application April 5, 1937, Serial No. 135,068
14 Claims. (Cl. 16—129)



14. A pair of ball and socket hinges for mounting a door on a vehicle body, each hinge comprising a socket member and a gooseneck member, one of which members is adapted to be secured to the door and the other to the body adjacent the door opening therein, the gooseneck member comprising a substantially horizontally disposed angular shank with a ball head on one end thereof operating in the socket of the socket member with a swivel action, the other end of the shank being the attaching end, and means for securing the attaching ends of said shanks to one of said door and body for rotary and horizontal endwise adjustment thereof in vertical and horizontal adjustments, respectively, of the door.

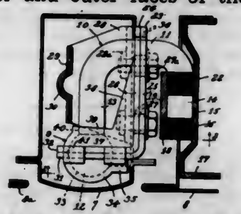
2,200,440
HINGE
Seth B. Atwood, Rockford, Ill.
Original application March 15, 1937, Serial No. 130,864. Divided and this application February 17, 1938, Serial No. 190,923
14 Claims. (Cl. 16—135)



14. A ball and socket hinge of the character described, comprising shank portions lying in parallel juxtaposed relation in the closed position of the hinge, a ball head on one end of one of said shanks, the other shank being flat and being made from a singe piece of sheet metal formed to provide a channel-shaped extension opening into a socket portion at one end receiving the aforesaid ball head for universal hinging movement, said socket portion having a portion projecting inwardly around the ball head so as to retain the same.

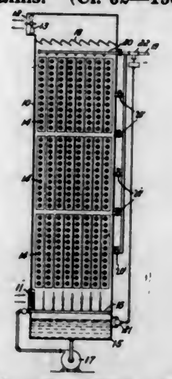
2,200,441
HINGE
Seth B. Atwood, Rockford, Ill.
Application September 17, 1938, Serial No. 230,457
11 Claims. (Cl. 16—129)

8. In a hinge construction for automobile doors, the combination of a socket member and a ball headed gooseneck member, the socket member having means for securing the same to a door pillar, the gooseneck member comprising a shank portion, opposite ends of which are L shaped, one L-shaped end portion being disposed in a substantially horizontal plane and having a ball head thereon received in the socket of the socket member with a swivel fit, the other L-shaped end portion being of cylindrical form and adapted to be clamped to the edge portion of a door in a plane substantially at right angles to the planes of the inner and outer faces of the door, and



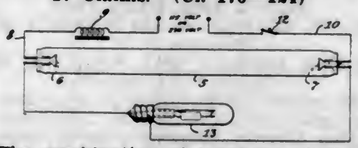
clamping means adapted to be secured to the door with relation to which the last named end portion of the gooseneck member is adjustable rotatably and endwise.

FLUID COOLING
Robert B. P. Crawford, Miami, Fla.
Application June 22, 1938, Serial No. 215,280
2 Claims. (Cl. 62—156)



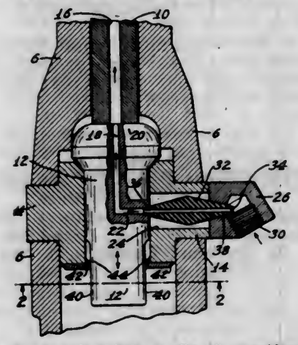
1. A method of cooling fluids which comprises passing the fluid in countercurrent heat exchange relation with contacting upward streams of air and water, and supplying an amount of water equivalent to the amount evaporated by the air stream at a point in the stream of water where the temperature of the stream is approximately the temperature of the water supplied.

2,200,443
DISCHARGE LAMP CIRCUIT
Edward Charles Dench, South Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1938, Serial No. 242,927
17 Claims. (Cl. 176—124)



1. The combination of a gaseous electric discharge lamp provided with electrodes adapted to be heated to an electron emitting temperature, a readily ionizable medium therein, a source of electrical energy for heating the said electrodes and for energizing said lamp, an inductance element interposed between said source and one of said electrodes, and an auxiliary discharge device provided with electrodes therein between which a discharge occurs upon the application of a potential from said source and having a bimetallic element therein heated by the discharge and operable to extinguish said discharge and initially connect the electrodes of said lamp in a heating circuit with said source and to thereafter interrupt said heating circuit and cause an attendant voltage surge from said inductance element for initiating a discharge in said lamp.

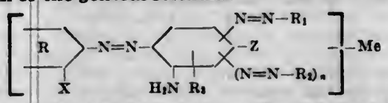
2,200,444
DRILL
Eugene W. Everheart and Vito A. Brussolo, Pachuca, Hidalgo, Mexico
Application July 6, 1938, Serial No. 217,760
In Mexico July 14, 1937
10 Claims. (Cl. 121—10)



1. In a device having a fixed portion and a member adapted to be reciprocated with relation thereto, means for supplying liquid to said member during reciprocation comprising a conduit of resilient material extending between the reciprocating member and the fixed portion and under compression therebetween, the reciprocating member being provided with a seat within which an end of the conduit is received for bodily movement therewith, and the fixed portion of the device being provided with a seat for the other end of the conduit and having a passage for said conduit therethrough extending between the seats, the passage being of a size to permit free flexing of the conduit therein during reciprocation of the member.

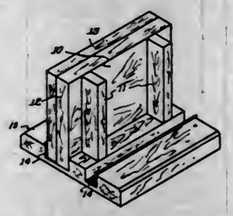
2,200,445
AZO DYESTUFFS CONTAINING A HEAVY METAL IN A COMPLEX FORM
Ernst Fellmer, Leverkusen-I. G. Werk, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application March 4, 1938, Serial No. 193,854. In Germany November 25, 1933
3 Claims. (Cl. 260—145)

1. Azo dyestuffs containing metal in a complex form of the general formula:



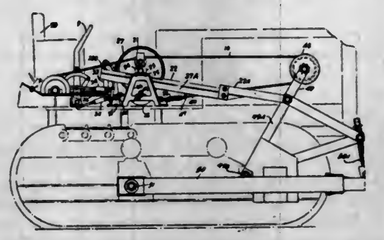
wherein X stands for a member of the group consisting of the hydroxy and the carboxylic acid group, Z stands for a member of the group consisting of the hydroxy, amino and a substituted amino group, R means a member of the group consisting of radicals of the benzene and naphthalene series, R_1 and R_2 stand for radicals of diazotization components suitable for producing azo dyestuffs, *n* stands for one of the numbers 1 and 0, R_3 stands for a member of the group consisting of hydrogen, hydroxyl, alkyl, halogen, —COOH and —SO_3H and Me means a metal of the atomic number 24–28 inclusive, being in form of their alkali metal salts generally dark, water-soluble powders dyeing leather generally even shades of excellent fastness to light.

2,200,446
DISPLAY DEVICE
Albert A. Fisher, Minneapolis, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
Application August 9, 1939, Serial No. 289,163
6 Claims. (Cl. 35—16)



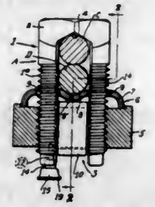
1. In a device of the class described, a base member, spaced channels in one face of the base, spaced upright members secured to the base between the channels and representing studding, spring tension members located in the channels adjacent the outer side of the channels and abutting the exposed sides of wall building materials and adapted to hold the wall building materials in an upright position against the upright members to illustrate wall construction of a building.

2,200,447
CABLE LIFT BULLDOZER
Theodore P. Flynn and Raymond E. Neils, Portland, Oreg., dedicated to the free use of the Public in the territory of the United States of America
Application September 8, 1937, Serial No. 162,877
6 Claims. (Cl. 37—144)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



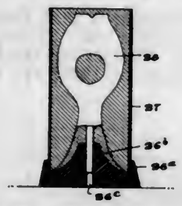
1. In a bulldozer, a blade operating mechanism comprising blade holding members pivotally secured to said bulldozer, cables connected to said holding members, means for actuating said cables so as to adjust said holding members about their pivoted connection, racks connected to said holding members, said racks being coactable with said holding members, pinions engaging said racks, a shaft fixed to said pinions, and braking means on said shaft.

2,200,448
ELECTRICAL CONNECTOR
Eugene E. Holke, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application March 1, 1939, Serial No. 259,145
5 Claims. (Cl. 24—243)



1. A nut retainer for an electrical connector which comprises a body member having a screwthreaded shank provided with a cavity therein and including a nut assembly adapted for application to said screwthreaded shank of said body member, comprising an elongated element fixed to the shank of said body member of the connector so that a portion thereof is disposed within said cavity of said shank, and a structure supported on and guided for movement by said elongated element, said structure being guided by said elongated element for movement beyond said cavity of said shank to engage the nut assembly of the connector when said nut assembly is detached from said shank, and said structure being guided by said elongated element for movement to a position within said cavity when said nut assembly is screwthreadedly mounted on the shank of the body member of the connector to permit convenient taping of the connector.

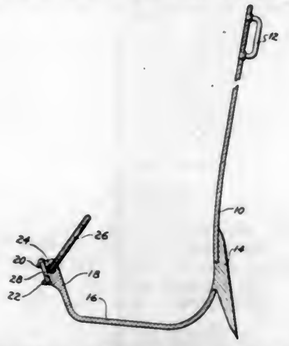
2,200,449
CASTING
Thoger G. Jungersen, Summit, N. J.
Original application April 28, 1937, Serial No. 139,629. Divided and this application January 11, 1940, Serial No. 313,459. In Canada September 27, 1934
8 Claims. (Cl. 22—188)



5. The method of casting platinum metals and their alloys in articles of intricate design, comprising forming a mold of inert refractory material filler and alkali metal silicate binder, and casting molten platinum metal or an alloy thereof in said mold.

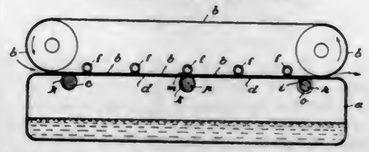
2,200,450
LINEMAN'S CLIMBER
Joseph A. Klein, Jr., Chicago, Ill., assignor to Mathias Klein & Sons, Chicago, Ill., a corporation of Illinois
Application October 25, 1939, Serial No. 301,185
3 Claims. (Cl. 227—27)

1. In a lineman's climber, the combination of a leg iron having a gaff and an upwardly and outwardly extending portion at its lower end, a pair of outwardly extending lugs formed integrally with said portion to provide a ring-receiving



notch, a strap-attaching ring fitting in said notch, and a removable securing element extending through said lugs and across said notch to retain said ring therein.

2,200,451
DEVELOPING DEVICE FOR LIGHT-SENSITIVE PAPER
Wilhelm Kunstadter, Budapest, Hungary
Application May 27, 1938, Serial No. 210,324
In Germany February 28, 1938
3 Claims. (Cl. 95—94)

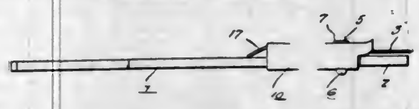


1. A developing device for the dry development by gas of light-sensitive paper comprising a gas chamber open at the top from which gas can have free access to the paper, carrying rollers mounted in the upper part of said container, supporting rods spaced apart with their ends sunk into grooves in said carrying rollers and located flush with the open top of said chamber, an endless band adapted to carry the paper over said chamber, and means pressing said band downwardly towards said chamber and supporting rods.

2,200,452
METHOD OF PRODUCING CELLULOSIC FIBERS HAVING AFFINITY FOR ACID DYES
Karl Kösslinger, Dessau, Hermann Klare, Wolfen Kreis Bitterfeld, and Herbert Rein, Dessau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application May 9, 1935, Serial No. 20,704. In Germany May 15, 1934
2 Claims. (Cl. 8—116)

1. A method of increasing the affinity of cellulosic fibers for acid dyes which method comprises treating the undyed fibers with formaldehyde and an aqueous liquid containing a compound selected from the group consisting of amines containing an aliphatic radical of more than 8 carbon atoms, tetra alkyl ammonium bases containing at least one radical with more than 8 carbon atoms and salts of these compounds, and drying the fibers thus treated.

2,200,453
WRENCH
Julius Lizakowski, Minto, N. Dak., assignor to Frank H. Lizakowski, Minto, N. Dak.
Application April 19, 1938, Serial No. 202,971
4 Claims. (Cl. 7—1)



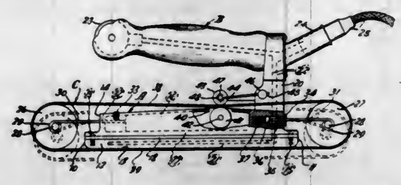
1. In a tool of the character described, wherein there is provided an elongated handle shank and wherein an outer open end wrench jaw is carried by one end of the handle shank, a plurality of feeler gauge strips pivotally secured directly on the shank and overlying the shank, the operative ends of the feeler gauge strips extending beyond the pivotal mounting a distance whereby gauge strips when selected and swung away from normal idle position may be positioned to overlie the jaw opening, and a box-like keeper slidably mounted on the handle shank and having a cross-sectional dimension to snugly embrace the shank and gauge strips whereby it may be moved into inclosing relation to the gauge strips for releasably securing all of the gauge strips in parallelism on the handle shank and restraining a selected operative gauge strip from pivotal movement.

2,200,454
INDICIA BEARING DEVICE
Edward C. Rahn, Brooklyn, N. Y.
Application January 4, 1940, Serial No. 312,324
4 Claims. (Cl. 40—10)



3. An indicia bearing device of the character set forth comprising an integral elongate frame of generally rectangular form having at one end thereof a central extension, said frame having a continuous face flange providing a sight opening of generally rectangular form, the portion of the flange overlying the extension having an opening therethrough, said frame having mounted therein in superposed relation a plurality of blanks of material, one of said blanks being of transparent sheet material of substantially rectangular form and seating against the inner face of the flange on the frame and another of said blanks being a backing member for the transparent blank and having a configuration corresponding to that of the frame and fitting snugly within said frame and having an opening therethrough in coincident relation to the opening in the extension portion of the flange, the composite thickness of said blanks being substantially equal to the depth of the frame and said blanks being held within the frame by the face flange thereon and by at least one tab on the rear edge of the end of the frame opposite to that provided with the central extension, said tab overlying the backing member and being disposed in a common plane with the outer surface thereof.

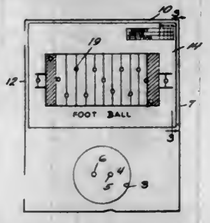
2,200,455
FLATIRON
Adolph Ronning, Minneapolis, Minn.
Application May 26, 1938, Serial No. 210,201
9 Claims. (Cl. 38—78)



1. A flatiron assembly including a heated working face, a pressing cloth adapted to cover the working face, rollers movably supporting the cloth for reciprocating movement over the working face in response to frictional engagement with the work, the said rollers being yieldably supported for normally urging the cloth out of contact with the said working face, and means for moistening the cloth.

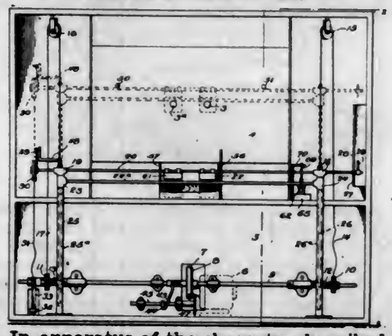
6. In combination with a flatiron including a body member and pressing face, rollers supported at the ends of the body member, a cloth strip coiled at its ends on the rollers and passing between the rollers beneath the pressing face of the iron for reciprocating movement thereon in response to frictional contact with the work, the said rollers being spring set to normally maintain the cloth strip in taut condition and to roll the strip as it moves off the pressing face, and means for dampening the cloth strip.

2,200,456
COMBINATION GAME APPARATUS
Clarence R. Shultz, Independence, Kans.
Application June 3, 1938, Serial No. 211,667
4 Claims. (Cl. 273—102.2)



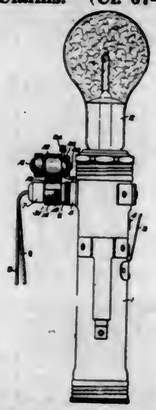
2. A game apparatus comprising in combination, a cabinet, a panel having a simulated ball game playing field on one face thereof, a plurality of incandescent lamps positioned on said playing field to indicate successive positions of a ball employed in playing said simulated game, a plurality of electric contact members carried by said panel, conductors connecting respective contact members and said incandescent lamps, a plurality of contact members mounted in said cabinet and positioned to contact said panel contact members, means for mounting said panel in said cabinet readily removable therefrom, said mounting means being such as to effect positioning of said panel with respect to said cabinet contact members to make electrical contact between said cabinet contact members and said panel contact members, a projectile target, a source of potential, and means responsive to the impact of a projectile upon said target for connecting said source of potential with a cabinet contact member.

2,200,457
TARGET PAINTING DEVICE
Clarence R. Shultz, Independence, Kans.
Application June 3, 1938, Serial No. 211,668
6 Claims. (Cl. 91—41)



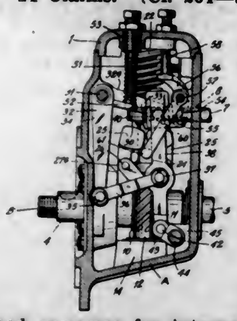
1. In apparatus of the character described, the combination of a motor, a shaft driven by said motor, a pulley on said shaft, a cable wound upon said pulley, a cross bar, said cable being attached to said cross bar, and a brush attached to said bar, movement of said driven shaft elevating said cross bar and brush, and means associated with said driven shaft and cross bar for oscillating said brush.

2,200,458
FOCUSING ILLUMINATING ATTACHMENT FOR PHOTOGRAPHIC FLASH GUNS, ETC.
Oscar Steiner, Irondequoit, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application June 21, 1938, Serial No. 214,898
4 Claims. (Cl. 67—31)



3. As a new article of separate manufacture and sale, an auxiliary electric lamp bulb attachment for camera focusing purposes expressly adapted for application to separately manufactured flashlight equipment each provided with a battery casing with battery, a photo-flash lamp, a complete electric circuit from said battery to said lamp and return, such battery casing being electrically conductive and connected to one battery terminal, such equipment having contact means for completing a circuit to an electrical shutter-operating means, but which equipments are devoid of lamps for focusing purposes, said attachment having an auxiliary electric lamp bulb for focusing purposes, and also having a housing or container provided with means to secure the same fixedly but detachably upon and insulated from such battery casing of such equipment, said housing or container, when so secured in place, being electrically connected to an ungrounded conducting member of the said flashlight equipment, a movable electric lamp bulb carrying-element carried by and in electrical contact with said housing or container, said element being movable to bring one terminal of the said lamp bulb into contact with the said battery casing, the other contact of the said lamp bulb being in electrical contact with said bulb carrying-element, said housing or container constituting, with said element and said auxiliary lamp bulb, a separate unit that is, in use, supported fixedly but detachably upon such flashlight equipment and insulated therefrom, the electrical connections to said auxiliary lamp bulb, when said attachment is secured upon such battery casing, being independent of the photo-flash lamp, thereby preventing ignition of the latter in illuminating said auxiliary lamp bulb and also independent of such shutter-operating means.

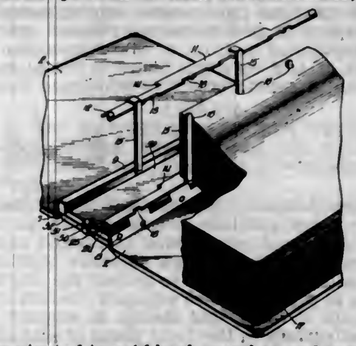
2,200,459
GOVERNOR
Alden P. Thomas, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Original application August 16, 1937, Serial No. 159,315, now Patent No. 2,153,125, dated April 4, 1939. Divided and this application November 2, 1938, Serial No. 238,294
14 Claims. (Cl. 264—3)



1. A speed governor for internal combustion engines including a movable fuel speed control member and a shaft driven by said engine, said governor comprising a thrust sleeve slidably mounted on said shaft and adapted to be slid longitudinally thereof in response to the speed thereof, a lever having one arm disposed in abutting relation to said thrust sleeve, a spring associated with said lever for yieldably resisting the movement imparted thereto by said thrust sleeve, a second lever disposed alongside of said other arm of said first mentioned lever and pivotally supported at one end and connected at its other end to said fuel feed control member, and a cross-link connecting said other arm of said first mentioned lever with said second lever intermediate between the ends of the latter.

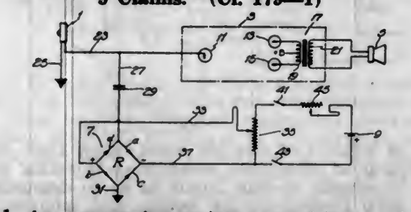
2,200,460
LOOSE-LEAF BINDER
Paul O. Unger, Elmhurst, and Fred D. Wedge, Lombard, Ill., assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application April 2, 1934, Serial No. 718,646
21 Claims. (Cl. 129—8)

9. In a loose-leaf binder, a pair of compression members, a rack connected to said compression members, a back member, a pair of pawl members pivoted to said back member, and a



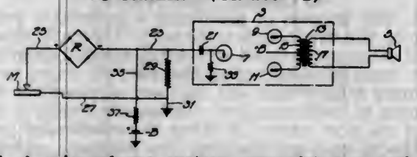
lever pivoted to said back member and engageable with said pawl members to move said pawl members into and out of engagement with said rack.

2,200,461
ANNOUNCING SYSTEM
Thomas W. Varley, Westerleigh, Staten Island, N. Y., assignor to Harry A. Richards, Stamford, Conn.
Application February 24, 1938, Serial No. 193,281
5 Claims. (Cl. 179—1)



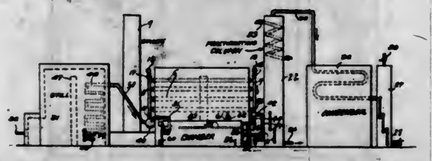
1. An announcing system comprising a microphone, an electronic amplifying unit and a loud speaker, in combination with controllable means including a rectifier having a negative resistance-current characteristic connected in shunt relation to said microphone and electrically independent of the loud speaker circuit for preventing the development of sustained oscillations within the system.

2,200,462
MICROPHONE SYSTEM
Thomas W. Varley, Staten Island, N. Y., assignor to Harry A. Richards, Stamford, Conn.
Application April 8, 1938, Serial No. 200,837
13 Claims. (Cl. 179—1)



1. A microphone system comprising a carbon type microphone, an electronic amplifier to be operated in accordance with the operation of said microphone, and circuit connections between the microphone and said amplifier, including a control resistance having a negative resistance-current characteristic so arranged and connected directly in the microphone circuit ahead of the amplifier that its resistance change, resulting from changes in current through the microphone and the control resistance due to talking, operates to increase the sensitivity of the microphone by decreasing the necessary change in microphone resistance required in microphone systems of the conventional type.

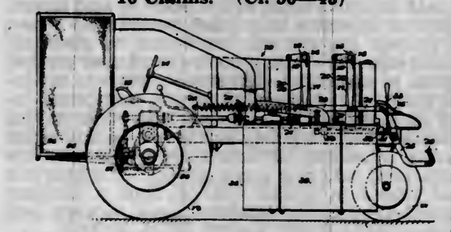
2,200,463
CONVERTING HEAVY MINERAL OILS INTO LIGHTER OILS
Clive M. Alexander, Tulsa, Okla., assignor, by mesne assignments, to Gyro Process Company, Detroit, Mich., a corporation of Michigan
Application April 5, 1924, Serial No. 704,341
Renewed January 14, 1931
12 Claims. (Cl. 196—52)



1. The process of producing lower boiling hydrocarbons from higher boiling hydrocarbons which comprises subjecting vapors from the latter and steam to elevated temperature and pressure in the presence of potassium carbonate, and condensing the vapors.

12. The method of converting high boiling hydrocarbons into low boiling hydrocarbons suitable for use as a motor fuel, including the steps of heating a hydrocarbon oil in an elongated confined stream to vaporizing temperature in a heating zone, flashing the oil so heated into vapors and unvaporized oil in an evaporating zone, separately withdrawing the vapors and the unvaporized oil from said evaporating zone, passing said vapors without substantial condensation to a conversion zone and there cracking the vapors, contacting the cracked vapors with a stream of the unvaporized oil withdrawn from said evaporating zone, to reduce said unvaporized oil to a heavy residue chiefly by the sensible heat of said vapors, dephlegmating said vapors and condensing the vapors to recover low boiling hydrocarbons.

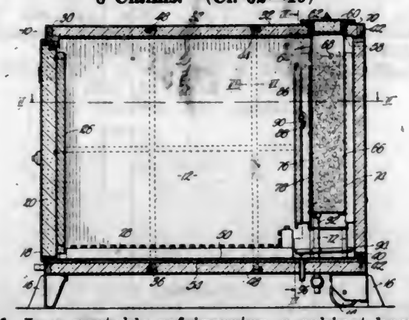
2,200,464
COTTON PICKER
Charles R. Berry, Greenville, Miss., assignor to Cotton Harvester Corporation of America, Pittsburgh, Pa., a corporation of Delaware
Application June 9, 1937, Serial No. 147,375
16 Claims. (Cl. 56—43)



1. In a cotton picker, a tractor, picking units mounted at opposite sides of said tractor, flexible suspension means carried by the tractor and supporting said units and manually controlled means for swingingly adjusting said units laterally on said suspension means with respect to the tractor during operation of the picker, and

manually controlled means operating through said suspension means for raising and lowering the units during operation.

2,200,465
PORTABLE REFRIGERATOR
J O Breisford and John T. Conlon, Kansas City, Mo., assignors to Gustin-Bacon Manufacturing Company, Kansas City, Mo., a corporation
Application November 14, 1938, Serial No. 240,234
8 Claims. (Cl. 62—19)



1. In a portable refrigerator, a cabinet having an opening formed through the top near one end thereof; a tank in the cabinet provided with a reduced neck extending outwardly into said opening from the upper part of the tank; and a rack secured to the tank removably supporting the tank within the cabinet said tank and rack being movable to and from the operative position in the cabinet as a unit.

2,200,466
APPARATUS FOR COLOR PHOTOGRAPHY
Luigi Cristiani, Voghera, and Giovanni Mascarini, Milan, Italy
Application January 18, 1937, Serial No. 121,227
In Germany January 15, 1934
2 Claims. (Cl. 88—16.4)



1. In an optical system for color photography, an opaque screen, said screen being provided with a window aperture, a prism having a plurality of light refracting surfaces for providing a plurality of complete light beams corresponding to said aperture in predetermined relation, an objective positioned in front of said screen, the focal plane of said objective being in the plane of said screen, a second objective positioned behind said screen to project the plurality of beams in predetermined separate relation upon a sensitized surface, means to support the sensitized surface in the focal plane of the second objective, said prism being an assembly comprising a first prism having a plurality of refracting surfaces, a second prism having refracting surfaces symmetrical with the surfaces of said first prism, means for supporting said prisms in spaced relation upon a common optical axis, and a liquid refractor between said prisms.

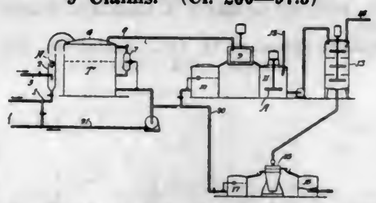
2,200,467
APPARATUS FOR COLOR PHOTOGRAPHY
Luigi Cristiani, Brooklyn, N. Y.
Application May 12, 1938, Serial No. 207,538
4 Claims. (Cl. 88—16.4)

1. In an optical system for color photography, an opaque screen, said screen being provided with a window aperture, a prism having a plurality of light refracting surfaces for providing a plurality of complete light beams corresponding to said aperture in predetermined relation, an objective positioned in front of said screen, the focal plane of said objective being in the plane of the screen, a second objective positioned behind



said screen, adapted to project the image erected in said window aperture in substantially parallel rays of light, said prism being positioned behind said second objective, a third objective positioned behind said prism adapted to project the plurality of beams in predetermined separate relation upon a sensitized surface, and means to support the sensitized surface in the focal plane of said third objective.

2,200,468
RECOVERY OF BY-PRODUCTS FROM BLACK LIQUOR
Francis J. Cirves, Crossett, Ark.
Application August 8, 1938, Serial No. 223,559
9 Claims. (Cl. 260—97.5)



1. A method of treating black liquor from the digestion of woodpulp, comprising injecting air into a stream of said liquor so as to demulsify the soap present in the liquor, and separating said demulsified soap from the liquor.

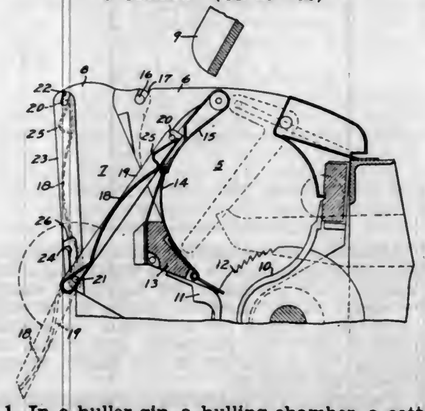
5. A process of treating black liquor from the digestion of wood pulp, comprising intimately introducing air into a stream of black liquor with agitation so as to agglomerate the soapy particles, separating by gravity the soap from the aqueous material, centrifuging the soap, and hydrolyzing it to form tall oil.

2,200,469
ANTICORROSIVE AND ANTIFOULING COATING AND METHOD OF APPLICATION
George Chandler Cox, Charleston, W. Va.
No Drawing. Application November 8, 1939, Serial No. 303,452
15 Claims. (Cl. 204—1)

1. The process of producing a protective coating on the exposed metallic part of ships' bottoms and other submerged structures which comprises the steps of submerging the part in water containing magnesium and calcium salts within the ranges of concentration customarily found in sea and sea port waters, making the submerged part cathodic and maintaining the cathodic current density between the limits of 0.1 to 0.4 ampere per square foot of cathode surface for a time at least sufficient to form a firm dense adherent coating.

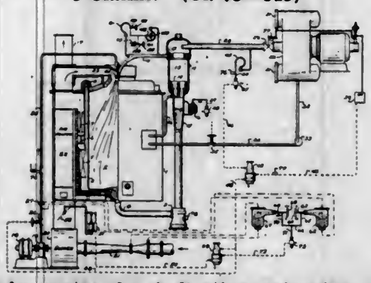
7. A protected metal article comprising a metallic base and a firm dense adherent coating consisting essentially of basic magnesium and calcium compounds directly adherent thereto, said coating having the characteristics of having been cathodically deposited on said base from an aqueous solution containing magnesium and calcium salts within the limits of concentration customarily found in sea and sea port waters at current densities between 0.03 and 0.4 ampere per square foot.

2,200,470
GIN BREAST FRONT MOUNTING
Frank E. Deems, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware
Application March 6, 1939, Serial No. 259,974
9 Claims. (Cl. 19—56)



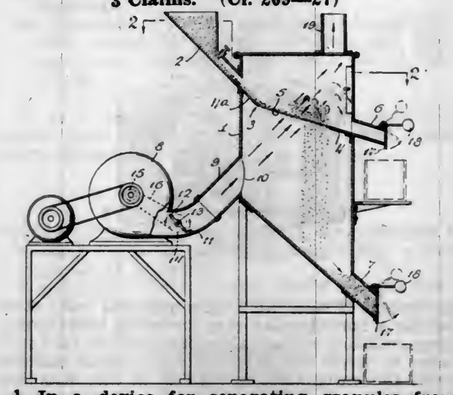
1. In a huller gin, a hulling chamber, a cotton slide for delivering cotton into said chamber, and a front for said chamber comprising releasable means normally holding it in its operative position, said front being so mounted and said chamber so designed that the front may be swung inwardly across said chamber to deflect the entering cotton outwardly from the gin.

2,200,471
MEASURING AND CONTROL SYSTEM
Paul S. Dickey, Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application August 25, 1936, Serial No. 97,813
5 Claims. (Cl. 73—345)



5. Apparatus for indicating saturation pressure corresponding to actual temperature of a fluid, comprising in combination, a temperature system including a Bourdon tube, a bulb, and a capillary connecting the tube and bulb; the temperature system containing fluid of the kind first mentioned, said bulb located sensitive to temperature of the said first fluid, and means positioned by said Bourdon tube constructed to read in terms of saturation pressure of said fluid.

2,200,472
GRANULAR MATERIAL SEPARATING MACHINE
Hans Erdmann, Montclair, N. J., assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
Application June 29, 1938, Serial No. 216,429
3 Claims. (Cl. 209—27)



1. In a device for separating granules from fibrous and other foreign material normally found therein, in combination a casing, a screen in the casing, the openings in the screen being of a size to permit passage of substantial amounts of said granules, a supply opening having communication with the screen, means to deliver in quick succession currents of air in waves to the screen, said currents of air passing through the screen and contacting the granules upon the screen at the under side of said granules, said successive wave currents being of such velocity as to physically raise granules and foreign matter from the surface of the screen to blow the foreign matter away from the screen, raised granules being adapted to fall upon the screen during the low cycle of the waves and pass through said screen, said air currents being the sole means of raising granules and foreign matter from said screen and to separate and carry away foreign matter.

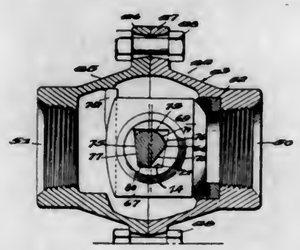
2,200,473
BLOWING AGENT FOR SPONGE RUBBER
Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 23, 1936, Serial No. 70,391
4 Claims. (Cl. 260—724)

1. A rubber master batch of a new compounding ingredient prepared by mixing zinc oxide and ammonium bicarbonate in rubber, allowing a reaction to take place with formation of water and drying the resulting mixture under conditions preventing substantial decomposition of the resulting solid product of the reaction of the zinc oxide and the ammonium bicarbonate.

2,200,474
VALVE ACTUATING MECHANISM
Alfred G. Heggem, Tulsa, Okla.
Application July 13, 1938, Serial No. 219,053
14 Claims. (Cl. 251—91)

1. A valve comprising a valve body having an inlet and an outlet opening and a valve chamber communicating with said opening; a valve seat adjacent one of said openings; a valve core

journaled within said chamber and having a valve face thereon; a rotatable valve stem for moving said core to move the valve face thereof into and out of engagement with said valve seat; said valve core including opposed surfaces disposed on opposite sides of the axis of the valve stem and extending transversely to the line of



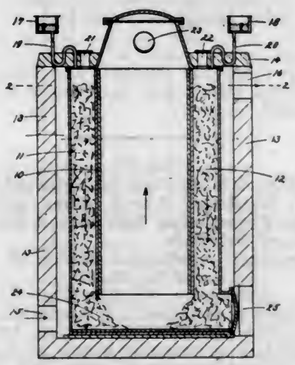
movement of said valve core, and said valve stem having a non-circular cam including lobes which upon rotation of the valve stem engage said surfaces to move the valve core to closed position when the valve stem is rotated in one direction and to move the valve core to open position when the valve stem is rotated in the opposite direction; and means for rotating said valve stem.

2,200,475

PRODUCTION OF CARBON DISULPHIDE

Eberhard Legeler, Premnitz, Westhavelland, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application October 16, 1937, Serial No. 169,402
In Germany October 19, 1936
1 Claim. (Cl. 23—206)



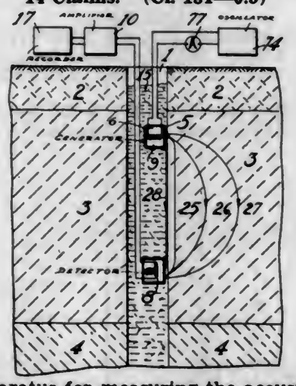
In a process of making carbon disulphide, maintaining a number of separate masses consisting of a substance of the class comprising coke and charcoal in separate zones, introducing sulphur in non-vapor form into one of said zones and conducting it through the charcoal or coke therein to vaporize and superheat the sulphur, conducting the sulphur vapor to another of said zones to react therein to form carbon disulphide, replenishing the said substance in the first of said zones independently of said second zone and removing the ash and slag containing impurities present in said sulphur from below the first said zone.

2,200,476

MEASUREMENT OF ACOUSTICAL PROPERTIES OF MATERIALS

Whitman D. Mounce, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 31, 1935, Serial No. 56,963
14 Claims. (Cl. 181—0.5)



2. Apparatus for measuring the acoustical impedance of a medium at a point, which comprises an elastic wave generator for supplying elastic wave energy to the medium, means for driving the generator, means for measuring the energy supplied to drive the generator, and means for measuring the amplitude of the elastic energy supplied to the medium.

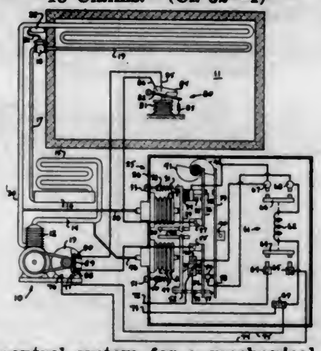
5. The method for measuring the acoustical impedance of a medium surrounding a point, which comprises generating elastic energy in the medium, and measuring the load on the generator due to this medium.

2,200,477

REFRIGERATION CONTROL SYSTEM

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application March 17, 1938, Serial No. 196,451
18 Claims. (Cl. 62—4)



1. A control system for a mechanical refrigerating apparatus having an evaporator, a compressor and a motor for operating the compressor, comprising in combination, control means for starting and stopping the compressor motor, automatic resetting overload cut-out means for stopping the compressor motor and operated by an overload condition of the compressor motor and which allows restarting of the compressor motor when the overload condition

no longer exists, and means responsive to a condition resulting from the presence of frost on the evaporator for preventing starting of the compressor motor until defrosting has been substantially completed whereby cycling of the compressor motor by the automatic resetting overload cut-out means with consequent continued building up of frost on the evaporator is prevented.

2,200,478

MANUFACTURE OF ANTIMONY TRIOXIDE PIGMENTS

Kurt Schirrmeister, Leverkusen-Wiesdorf, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application February 2, 1939, Serial No. 254,236. In Germany February 16, 1938

9 Claims. (Cl. 23—144)

2. Process of preparing antimony trioxide pigments which comprises precipitating antimony trioxide from an aqueous antimony trifluoride solution by means of an aqueous solution of an alkaline reacting compound, separating the precipitate from the solution, washing and drying.

3. Process of preparing antimony trioxide pigments which comprises precipitating antimony trioxide from an aqueous antimony trifluoride solution by means of an aqueous solution of an inorganic alkaline reacting compound, separating the precipitate from the solution, washing and drying.

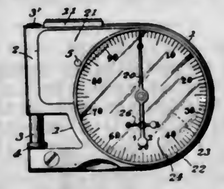
7. Process of preparing antimony trioxide pigments which comprises precipitating antimony trioxide from an aqueous antimony trifluoride solution by means of an organic alkaline reacting compound, separating the precipitate from the solution, washing and drying.

2,200,479

DIAL THICKNESS GAUGE

James G. Sisson and Arthur H. Starrett, Athol, Mass., assignors to The L. S. Starrett Company, Athol, Mass., a corporation of Massachusetts

Application May 18, 1939, Serial No. 274,337
6 Claims. (Cl. 33—147)



1. In an indicator gauge, a frame, a fixed and a slidable contact aligned with each other on said frame, an indicator dial and a geared pointer rotatably actuated from said slidable contact, a rack on said slidable contact, said frame having a slot through one edge, a slide piece mounted over said slot, a lever pivotally mounted below said slot and having a marginal notch, a pin on the slide piece and extending through the frame slot and engaging said notch to rock the lever in one direction, said lever having a pair of oppositely disposed toothed segments, one meshing with the slidable contact rack and the other meshing with a hand pinion, and an extensible return spring engaging the lever on the side of the rack engaging segment at one end and anchored within the frame so as to yieldably oppose the movement of the slide piece in one direction.

2,200,480

3,3'-DIHALOGEN-DIANTHRAHYDROQUINONEAZINE TETRASULPHURIC ACID ESTERS AND PROCESS OF MAKING THE SAME

Otto Stallmann, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application August 24, 1936, Serial No. 97,647. Divided and this application December 22, 1937, Serial No. 181,161

3 Claims. (Cl. 260—264)

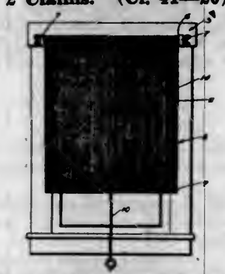
3. As a new compound, 3,3'-dibromo-dianthrahydroquinoneazine-tetrasulphuric acid ester tetra-alkali metal salt.

2,200,481

PAPER WINDOW SHADE

Arthur L. Thexton, Fort Thomas, Ky., assignor to Clopay Corporation, Cincinnati, Ohio, a corporation of Maryland

Application April 7, 1938, Serial No. 200,692
2 Claims. (Cl. 41—20)



2. A window shade, comprising a roller and a sheet of material affixed thereto, said sheet comprising a paper base and a series of fine lines printed vertically and horizontally over substantially the entire surface of the side of the sheet exposed to the outer light when the roller is positioned in a window frame, coatings superimposed on both sides of the sheet and partially concealing the printed design, the coating on the side of the sheet not directly exposed to the outer light being embossed with a uniform arrangement of vertical and horizontal ridges, forming a design substantially identical to the printed design on the reverse side of the sheet, and cooperating with the said printed design to provide a cloth-like appearance when the material is held before a light background.

2,200,482

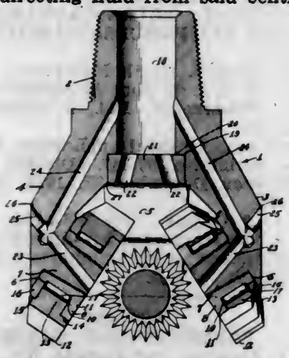
ROCK BIT

Charles Cecil Winslow, Long Beach, Calif.

Application August 13, 1938, Serial No. 224,747
2 Claims. (Cl. 255—71)

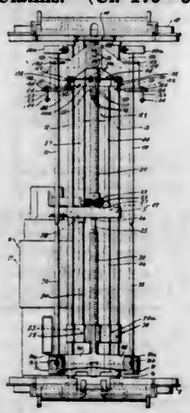
1. In a rock drill, a body formed with a pair of legs, studs carried by said legs and extending inwardly and downwardly at an inclination, roller cutters rotatably mounted on said studs and inclined outwardly in a downward direction, said body being provided with a central bore, said legs being provided with bores, respectively, leading from said central bore, and said studs being provided respectively with bores leading therethrough from the bores in said legs respectively to outside of said cutters and directed downwardly and inwardly from said roller cutters, for directing fluid from said leg bores and central bore freely and directly against the bottom of the hole cut by said roller cutters, for flushing out the cuttings of said roller cutters, and a plug fitted within

said central bore and provided with divergent bores for directing fluid from said central bore



upon the teeth of said roller cutters for washing the same.

2,200,483
TWIN ARC LAMP
Ernest G. Ashcraft, Los Angeles, Calif.
Application May 10, 1938, Serial No. 207,045
9 Claims. (Cl. 176—58)



1. In an arc lamp the combination of a frame, upper and lower carbon carriages mounted for vertical movement on said frame, drive means on said frame operatively connected with both said carbon carriages for continuously and uninterruptedly advancing said carriages toward one another, a carbon holder on said lower carbon carriage for tightly gripping a lower carbon, an upper carbon guide on said upper carbon carriage having a carbon guideway adapted for free passage of the upper carbon and located in alinement with the lower carbon gripped by the carbon holder on said lower carriage, and a carbon clutch and operating means therefor associated with said upper carriage for gripping said upper carbon and elevating it a predetermined distance through said carbon guide.

2,200,484
ASPHALTIC COMPOSITION AND METHOD OF PREPARING SAME
Augustus H. Batchelder, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 5, 1938, Serial No. 200,161
8 Claims. (Cl. 196—22)

1. A process of treating asphalt comprising separating asphalt into an oil fraction and an asphaltene fraction by a selective solvent which dissolves the oil fraction but not the asphaltenes, freeing the oil fraction and the asphaltenes of the solvent, drying the asphaltenes, and forming a substantially undissolved, non-colloidal dispersion of the substantially oil-free asphaltenes in the oil, said dispersion having a lower viscosity than the starting asphalt said dispersion having the quality of remaining liquid until heated above atmospheric temperatures, by commingling the asphaltenes and the oil fraction.

2,200,485
PROCESS OF DIMINISHING OR PREVENTING FOAMING
Karl Brodersen and Mathias Quaedvlieg, Dessau in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 22, 1939, Serial No. 263,458. In Germany March 25, 1938
5 Claims. (Cl. 252—6)

1. The process of preventing foaming of aqueous liquids which comprises adding to the liquid a water-insoluble neutral alkyl phosphoric acid ester in sufficient amounts to prevent foaming.

2,200,486
MATERIAL AND METHOD FOR REMOVING COATINGS OF NICKEL OR THE LIKE FROM A METAL BASE
Earl F. Burdick, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 10, 1939, Serial No. 272,755
9 Claims. (Cl. 148—5)

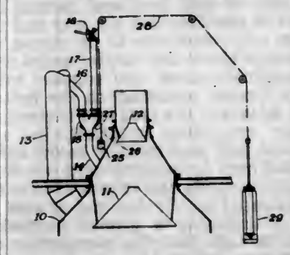
1. A solvent for removing a coating of nickel from an iron bearing base comprising concentrated nitric acid, and a chlorine compound that is soluble in the nitric acid, the chlorine compound being added to the nitric acid in sufficient quantities to establish the same nitric acid - chlorine ratio that is provided when from .03 to .10 gram of sodium chloride is dissolved in 100 cubic centimeters of concentrated nitric acid.

2,200,487
BULLET TYPE CASING PERFORATOR
Kuhn Calvert, Chauk, Burma, India
Application November 2, 1938, Serial No. 238,296
12 Claims. (Cl. 164—0.5)



1. In a gun type casing perforator, a body portion, a cable attached to one end thereof for suspending the said body portion and by which the same may be lowered into a well casing, a plurality of explosive charges carried by said body portion, a gun unit associated with each charge, each of said explosive charges being accessible from the exterior of the body portion independently of the gun units whereby the same may be loaded after said gun units are in place, and a longitudinal central firing bore extending axially of the body portion for detonating said explosive charges successively.

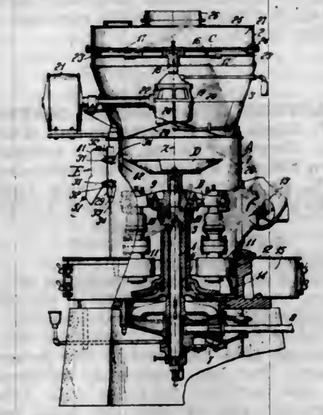
2,200,488
BLAST FURNACE CONSTRUCTION
Willis B. Clemmitt and John C. Hayes, Jr., Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application August 17, 1938, Serial No. 225,400
2 Claims. (Cl. 266—27)



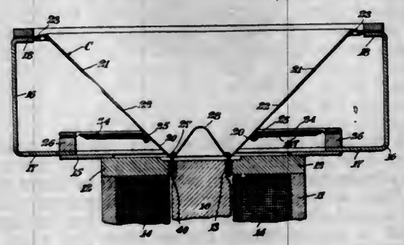
1. In a blast furnace, in combination, a pair of bells arranged in series, a conduit connecting with the space between said bells, a valve structure connected to said conduit, said valve structure having a pair of orifices, valve means for alternatively opening and closing each of said orifices while closing and opening the other of said orifices, respectively, one of said orifices being connected to the atmosphere and the other of said orifices being connected to the interior of the body of said furnace, and valve means biased to closed position for controlling the connection of said first-mentioned orifice to atmosphere.

2,200,489
GRINDING AND SEPARATING APPARATUS
Walter M. Cook, Mount Dora, Fla., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application June 14, 1937, Serial No. 148,139
14 Claims. (Cl. 83—45)

1. A grinding and separating apparatus comprising an upright casing substantially centered about a vertical axis, grinding mechanism in the lower portion of the casing, a separator in the upper portion of the casing, means for feeding material to be ground to the grinding mechanism, an inlet for the admission of an air stream to the lower portion of the casing, an outlet in the upper portion of the casing for the discharge of the air stream with suspended finely pulverized material, an impervious deflector member centered and supported for rotation about the central vertical axis so that the flow of air and materials through the casing is confined to an annular space between the perimeter of this deflector and the surrounding casing wall, said deflector serving to collect thereon material rejected downwardly by the separator and to throw off and return finer portions of this material into the upwardly flowing air stream, and means fixedly supported by the casing and comprising a portion projecting inwardly adjacent the rotating deflector for withdrawing laterally from the casing and discharging at a location remote from the grinding mechanism heavier material that settles out upon the deflector.



2,200,490
LOUD-SPEAKER
Lionel B. Cornwell, Stamford, Conn., assignor to Cinaudagraph Corporation, a corporation of Delaware
Original application December 5, 1935, Serial No. 53,018, now Patent No. 2,084,945, dated June 22, 1937. Divided and this application June 21, 1937, Serial No. 149,428
5 Claims. (Cl. 181—31)



1. In a loud-speaker, a generally conical diaphragm consisting of a single continuous unit of deposited fibers having an inner high frequency sound producing portion, an outer low frequency sound producing portion and an annular compliance portion interposed between and connected to said inner and outer portions, and a voice coil attached to the inner portion substantially within its outer edge, the inner or high frequency portion being light, rigid, of relatively small area and formed of relatively non-fluffy fibers closely compacted, the outer or low frequency portion being heavier, less rigid, of relatively large area and formed of relatively soft fibers less closely compacted and the compliance portion being formed of a blended mixture of the fibers of the inner and outer portions, said compliance portion being so positioned and formed as to transmit from the inner or high frequency portion to the outer or low frequency portion such vibrations as to render the outer portion vibratory and sound-producing within a predetermined range of low frequencies with

the upper portion of said range so overlapping the lower portion of the useful range of response of the inner or high frequency portion as to maintain a generally uniform response in said overlapping range.

2,200,491

MANUFACTURE OF MAGNETIC MATERIALS

Robert P. Cross, Jr., Hollywood, and Arthur N. Ogden, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application April 13, 1939, Serial No. 267,606

4 Claims. (Cl. 75—.5)

1. A method of producing magnetic alloys in finely divided form for use in insulated dust magnetic cores comprising the steps of melting the alloy ingredients together to form an alloy, working said alloy to cause it to fracture into particles, heating said particles in the presence of oxygen until they are thoroughly oxidized, pulverizing the oxidized particles into relatively small particles, and heating the small oxidized particles in the presence of a reducing agent to convert said particles to their metallic alloy.

2,200,492

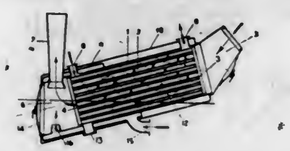
FEED-WATER HEATER FOR BOILERS, PARTICULARLY ADAPTED FOR LOCOMOTIVES

Pietro Crosti, Milan, Italy

Application May 11, 1938, Serial No. 207,210

In Italy June 1, 1937

3 Claims. (Cl. 122—420)



1. A feed-water heater for steam boilers, formed by a cylinder containing a set of flues for the combustion gases, in which said cylinder with its flues so slopes appreciably with regard to the horizontal, that the part where combustion gases enter is placed much higher than the place at which they leave, while the entrance for the feed water is placed at the lowest portion of the cylinder at the opposite end of the same cylinder with regard to the feed-water exit, so that both the relative and absolute flow of the gases and of the water to be heated help all the phenomena due to counter-flow heat exchange and to the motions brought about by the variations of specific gravity of both fluids, and in which the outside surface of the cylindrical body is jacketed by two shrouds, one extending the whole length of said body, the other, placed inside the first, extending only from the end of said cylindrical body which is at the lowest temperature, upwardly to that part of said body in which the water enclosed and being preheated has not risen above the temperature of the fluid flowing in this second shroud, so as to obtain, with the first jacket, a protection against heat dispersion, and with the second jacket the utilization, in favour of the feed water being heated, of any heat units which the fluid circulating into said jacket might possess and of those which said fluid might take from the combustion gases.

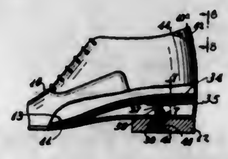
2,200,493

HEIGHT INCREASING SHOE

Amelia Ehrich, New York, N. Y.

Application September 2, 1938, Serial No. 228,085

3 Claims. (Cl. 36—8.5)



1. In a shoe having a heel, an inner sole, and an outer sole, a pad interposed between said soles in the vicinity of said heel and having its front end secured in position and its rear end free and spaced from said outer sole to be moved upwards and downwards about the secured point as a pivot to correspondingly move and support said inner sole, a plate fixedly mounted on the bottom face of said pad adjacent the rear end thereof, a tubular member extending substantially at right angles to said pad and located below said plate, means in said heel for moving said tubular member vertically upwards and downwards and a slide pivotally mounted on the top end of said tubular member and engaging a groove formed in the bottom face of said plate for connecting said tubular member to said plate so that as said tubular member moves vertically upwards and downwards said slide slides relative to said plate to correspondingly move the free rear end of said pad.

2,200,494

HYDRAULIC BRAKE FLUID

Harvey R. Fife, Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application November 19, 1936, Serial No. 111,682

3 Claims. (Cl. 252—5)

1. A hydraulic brake fluid comprising a diluent and the reaction products of a polyalkylene glycol monoalkyl ether containing at least six carbon atoms in the polyglycol radical with a vegetable oil of the group consisting of castor oil and soy bean oil, said reaction being carried out at an elevated temperature and in the presence of small amounts of an alkaline catalyst and characterized by the use of a stoichiometric excess of said polyalkylene glycol monoalkyl ether so that the reaction products consist essentially of fatty acid esters of said polyalkylene glycol monoalkyl ether and unreacted polyalkylene glycol monoalkyl ether.

2,200,495

FLUID PRESSURE TRANSMISSION MEDIA

Harvey R. Fife, Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application July 30, 1937, Serial No. 156,521

6 Claims. (Cl. 252—5)

6. A hydraulic brake fluid essentially composed of from about 75% to about 10% by weight of the dimethyl ether of tetraethylene glycol combined with from about 90% to about 25% of castor oil, and also combined with a viscosity reducing agent.

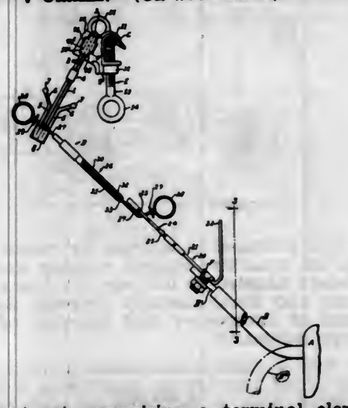
2,200,496

FUSE CUT-OUT

Charles Adin Fox, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application December 6, 1937, Serial No. 178,329

7 Claims. (Cl. 200—115.5)



1. A cut-out comprising a terminal element adapted to be electrically and mechanically attached to a power transmission line, a second terminal element adapted to be electrically and mechanically attached to a flexible conductor, and a fuse link electrically and mechanically connected to the first and second mentioned terminal elements, said fuse link serving as the sole means for holding said second terminal element and the flexible conductor to which said second terminal element is mechanically and electrically connected in an elevated position from which elevated position said second terminal element and the flexible conductor to which it is connected swing when the fuse link is ruptured to separate the ruptured sections of the fuse link, said fuse link being provided with eye portions at its opposite ends which are adapted to receive a tool employed to attach the fuse link to the first mentioned and the second mentioned terminal elements, and said fuse link including a tubular element formed of horn fiber which encloses the portion of the fuse link at which the rupture occurs and is adapted to give off gas when subjected to the heat of an electrical arc which aids in extinguishing an electric arc produced between the ruptured ends of the fuse link.

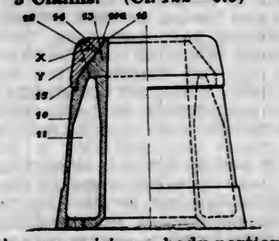
2,200,497

TUYÈRE

Gordon Fox, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine

Application August 28, 1937, Serial No. 161,435

3 Claims. (Cl. 122—6.6)



1. A tuyère comprising a body portion of metal having relatively high heat conductivity, said body portion having a water space therein and a preformed nose for said body portion in protective relationship to the nose region thereof and to the extremity of the outer side wall defining said water space, said preformed nose being secured to said body portion by surface adhesion, said preformed nose comprising metal having a higher melting point and lower heat conductivity than the material of said body portion.

2,200,498

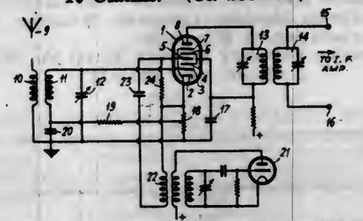
SUPERHETERODYNE RECEIVING CIRCUIT

Johan Haantjes and Bernardus Dominicus Hubertus Tellegen, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application December 16, 1938, Serial No. 246,086

In the Netherlands May 17, 1938

10 Claims. (Cl. 250—20)



1. A superheterodyne receiving circuit-arrangement comprising a mixing tube provided with an electrode-system which serves for frequency-transformation of the incoming oscillations, and which comprises at least one input control-grid, to which the incoming oscillations are supplied, one oscillator control-grid, to which the local oscillations are supplied, and one or more screen-grids placed between these two control-grids, characterised in that the input control-grid is spaced closer to the cathode than the oscillator control-grid, a back-coupling impedance connected to the cathode and arranged to be traversed by the alternating current of all current carrying electrodes of the said electrode-system whereby a negative back-coupling is obtained for at least part of the incoming oscillations, the local oscillations being applied between the oscillator control-grid and that end of the back-coupling impedance which is connected to the cathode.

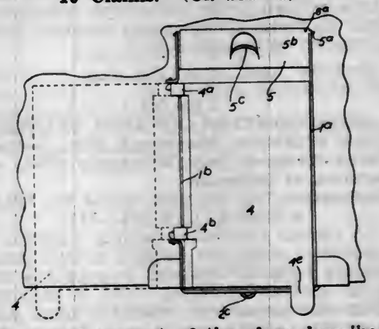
2,200,499

PAD HOLDER

Evangel A. Haveles, Los Angeles, Calif.

Application January 18, 1939, Serial No. 251,563

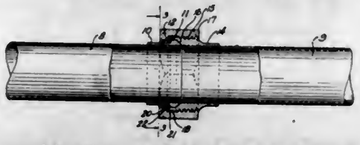
10 Claims. (Cl. 281—1)



5. In a pad support of the class described, a

relatively flat substantially rectangularly shaped support member provided with a flange at each side thereof extending upwardly, vertically slotted hinge members extending at right angles to one of said flanges, a flap provided with offset hinge members with pins mounted in said slots shiftable upwardly and downwardly therein, said flap member provided with a handle portion extending from one end at one side thereof, a spring actuated clamp member mounted at one end of said support, including a pin mounted in the extended ends of said flange members, a clamp member pivotally mounted on said pins, a torsion spring mounted on said pins and secured to said clamp member and to said support at its opposite end, said support provided with a downwardly extending lip at its backward end.

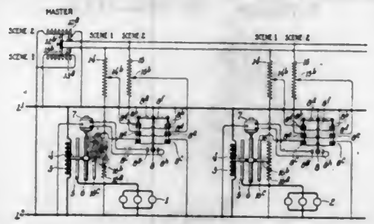
2,200,500
PIPE JOINT
Ferdinand Hinrichs, Kenosha, Wis., assignor to Tri-Clover Machine Company, Kenosha, Wis., a corporation of Wisconsin
Application February 25, 1939, Serial No. 258,379
1 Claim. (Cl. 285—122)



In combination, a first tube, a ferrule surrounding an end of said tube, said ferrule having an annular flange adjacent its outer end, the inner side of said flange forming a shoulder, a second tube of the same internal diameter as said first tube, a ferrule surrounding an end of said second tube, said last mentioned ferrule having a threaded exterior portion, the end of the ferrule on one of said tubes having a tapered portion overlapping a portion of the ferrule of the other tube, said portion of the ferrule of the other tube having a complementary taper fitting therewithin to aline the two tubes and create a substantially smooth interior surface of uniform diameter at the joint, a union nut having a first bore through which the ferrule of the first tube extends and having a larger threaded bore for effecting a connection with the threaded ferrule of the second tube, said first bore portion being of greater diameter than the external diameter of the ferrule flange of the first tube so that the union nut may be removed from the end of the tube over said flange, and a removable split ring of greater diameter than the diameter of the smaller bore of the union nut and of less external diameter than the diameter of the larger threaded bore portion of the union nut positioned adjacent the flange shoulder and normally preventing removal of the union nut.

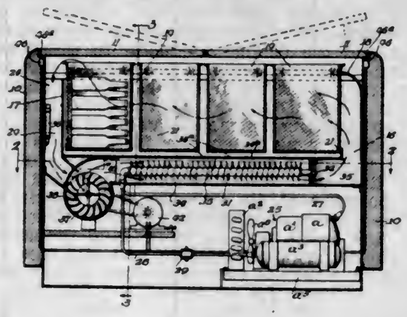
2,200,501
ILLUMINATION CONTROL SYSTEM
Richard B. Hunter, Shorewood, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 15, 1939, Serial No. 284,655
4 Claims. (Cl. 175—312)

1. A control system comprising a circuit to be controlled, a controller for said circuit including a voltage regulator adapted to supply a voltage varying with an operating value of said circuit and an electromagnetic relay having a balancing winding responsive to said voltage and a plurality of control windings cooperating with said balancing winding, a plurality of sender voltage regulators, one for each of said plurality of control windings, each regulator providing for a variable ratio between its input and output volt-



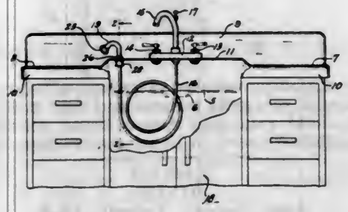
age and arranged to impress its output voltage upon the respective control winding, and a pair of faders adapted to increase the input voltage of one and simultaneously decrease the input voltage of another of said plurality of sender voltage regulators.

2,200,502
REFRIGERATOR
Gordon G. Johnson, Connersville, Ind., assignor to Auburn Automobile Company, Connersville, Ind., a corporation of Indiana
Application December 24, 1938, Serial No. 247,602
3 Claims. (Cl. 62—102)



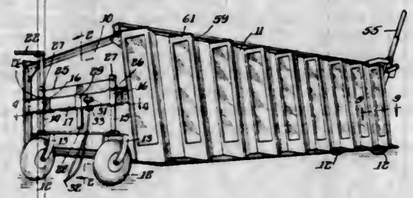
2. A refrigerator comprising a cabinet provided with a cooling compartment extending horizontally across the top thereof for retaining articles, such as bottles and the like, and provided with an access-opening in the top thereof, a top lid for providing access to the articles in the compartment, the compartment being provided with a bottom-wall, a conduit under said bottom-wall, extending longitudinally of the cabinet, connected to deliver air longitudinally along the underside of said wall and to discharge air upwardly at one end of the compartment and having a closed bottom and sides, an evaporating unit comprising tubing having longitudinally extending branches extending substantially the full length of the conduit and provided with outwardly projecting divergent spines between which the air flowing longitudinally will pass as it is forced through the conduit, means for delivering a refrigerating medium to said unit and a blower connected to draw air from the opposite end of the compartment and to circulate air through the conduit around the evaporating unit and through the cooling compartment.

2,200,503
SPRAY HEAD
Julius S. Judell, Shorewood, and Milbert W. Held, Whitefish Bay, Wis., assignors to Milwaukee Flush Valve Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 19, 1938, Serial No. 230,596
6 Claims. (Cl. 4—187)



1. A plumbing fixture comprising, a pipe having a hose attachment at one end and a spray nozzle at the opposite end, a rigid protective covering molded about said pipe and nozzle to form a gripping handle thereover, and a sleeve embracing the hose attachment end of the covering.

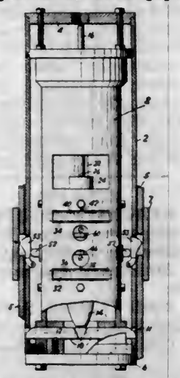
2,200,504
STARTING BOX
Thomas A. Keen, San Mateo, Calif., assignor to Hannah M. Smith, River Forest, Ill.
Application November 5, 1937, Serial No. 172,987
7 Claims. (Cl. 119—15.5)



1. A starting device for animal racing and the like comprising a box structure separated into a plurality of individual compartments, a pair of doors swingingly mounted for closing one end of each of said compartments, said doors when in closed position being in V-arrangement along the entire length thereof with their meeting edges throughout their entire length located forwardly of said mounting means.

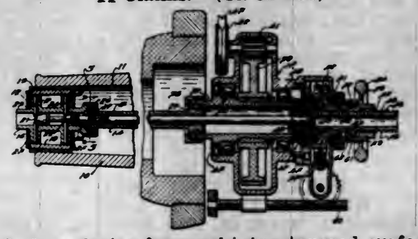
2,200,505
LOCATING DEVICE FOR USE IN BOREHOLES
Ralph L. Kerr, Oklahoma City, Okla., assignor of one-half to J. Eldon Peck, Oklahoma City, Okla.
Application August 30, 1938, Serial No. 227,543
7 Claims. (Cl. 255—1)

1. A device for use within a pipe string in a borehole comprising a body adapted to pass through the pipe string, counting means carried by the body, means for actuating said counting means at the joints of said pipe string, and



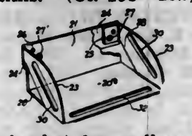
means operable by the counting means upon the attainment of a predetermined total.

2,200,506
TOOL FOR MACHINING TAPERED BORES
John E. Kline, Grosse Pointe Farms, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application February 3, 1938, Serial No. 188,531
11 Claims. (Cl. 51—34)



2. In a device for machining tapered surfaces on an element, a base for supporting said element, a slide on said base, a tool carried by said slide, an abrading head on said tool having sloping abrading elements therein which are radially movable and disposed in the surface of a cone, means for producing relative rotation between said element and said tool, means for reciprocating said slide and tool, and means carried by said slide for actuating the abrading elements to retain them in the surface of said cone during the movement of the slide which moves the tool relatively along the axis of the work piece.

2,200,507
ELEVATOR BUCKET
Joseph L. Kozak, Munster, Ind., assignor to Screw Conveyor Corporation, Hammond, Ind., a corporation of Illinois
Application December 5, 1938, Serial No. 244,070
In Canada December 9, 1937
3 Claims. (Cl. 198—152)



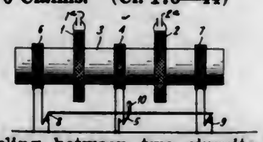
1. An elevator bucket for endless carrier belts operating within conveyor housings having side

walls traversed by the sides of the bucket, comprising a horizontal bottom, an upwardly projecting back wall at the rear edge of said bottom, and side portions provided with air vent openings at the corresponding sides of the bucket in position for traversing the inner faces of the side walls of the conveyor housing, said side portions also having outwardly extending projections for reinforcing said side portions and also insuring proper clearance for facilitating the venting function of said air vent openings.

2,200,508
VARIABLE REACTIVE COUPLING DEVICE

Alexander Landmann, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application April 12, 1938, Serial No. 201,536
In Great Britain May 10, 1937
6 Claims. (Cl. 178—44)

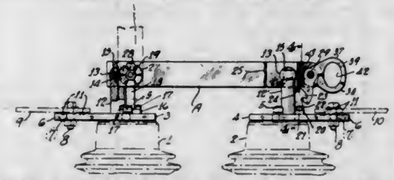


1. A coupling between two circuits, at least one of which is tuned, comprising means for varying the reactive linkage between the circuits by a predetermined amount, a coil adapted to be open-circuited or short-circuited as the case may be, and inductively coupled to the tuned circuit to vary the reactance thereof in such manner as substantially to compensate for the change in the effective reactance thereof when said coupling is varied, whereby the resonant frequency of the tuned circuit may be maintained at substantially constant value notwithstanding the change in the degree of coupling between the circuits.

2,200,509
DISCONNECTING SWITCH

William H. Lindae, St. Louis, Mo.

Application March 30, 1936, Serial No. 71,665
11 Claims. (Cl. 200—162)



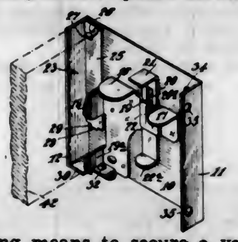
1. In an electrical switch, in combination, a spherical contact-member having a low resistance conducting surface coating, a second contact-member comprising spaced rigid blades for embracing the spherical member, the blades being each provided with an inwardly presented arcuate recess open at its lower end, and low resistance conducting elements mounted on the blades at the upper end of the respective recesses for electrically engaging the surface coated spherical member.

2,200,510
VENETIAN BLIND BRACKET

Hans K. Lorentzen, Montclair, N. J.

Application October 11, 1938, Serial No. 234,342
11 Claims. (Cl. 156—17)

1. A Venetian blind bracket comprising: a vertical plate to be affixed adjacent to a window frame, head-bar supporting means projecting from one side of the plate, valance-positioning means projecting from the same side of the plate and engaging the valance at a point removed from its upper and lower edges, and releasable valance-retaining means spaced forwardly from

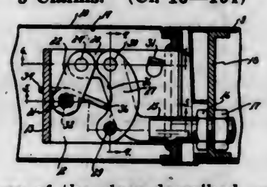


said positioning means to secure a valance between said retaining means and said positioning means, said retaining means being attached to said plate adjacent to the forward edge thereof.

2,200,511
HINGE

John Ludwig, Detroit, Mich.

Application April 6, 1938, Serial No. 200,468
3 Claims. (Cl. 16—164)

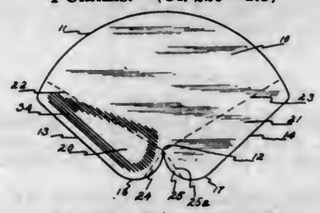


1. A hinge of the class described, comprising: a hinge butt having a pair of spaced apart parts; a cooperating hinge butt comprising a main body having a laterally angularly turned portion; a lateral offset projecting outwardly from adjacent the end of said angularly turned portion and extending in axial parallel relation to the longitudinal axis of said body; a pair of links pivotally mounted at one of their ends between said spaced apart parts and at their opposite ends to said lateral offset; a pair of links pivotally mounted at one of their ends between said spaced apart parts and at their opposite ends to said angularly turned portion at substantially the juncture thereof with said lateral offset, said last-named links being of greater length than said first-named links, the pivots of said links being so positioned upon the swinging of said butts to closed relation, that a line passed through the pivots of said last-named links extends at right angles to a line passed through one of said pivots and one of the pivots of the other links.

2,200,512
DRINKING CUP

Bozena Merta, Chicago, Ill.

Application February 14, 1936, Serial No. 63,919
4 Claims. (Cl. 229—1.5)

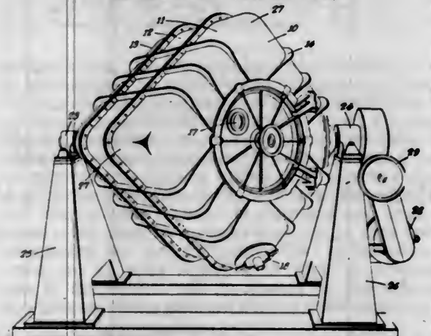


1. A cup of conical form, formed from a blank having an arcuate edge and a pair of straight converging edges merging to form an edge defining a re-entrant angle and terminating substantially at the center of the arc, and having a pair of integral segments on opposite sides respectively of said re-entrant angle, the edges of the segments being rounded, one of the segments forming a reinforcing interior for the apex of the cup, the other of said segments and the adjacent portion of the blank forming an overlapping exterior reinforcing portion for the apex of the cup, said exterior reinforcing portion being adhesively secured to the body of the cup.

2,200,513
PROCESS OF CHURNING AND WORKING BUTTER

Clyde L. Mitchel, El Monte, and Elbert L. Wetmore, Alhambra, Calif., assignors to Challenge Cream & Butter Association, Los Angeles, Calif., a corporation of California

Substituted for abandoned application Serial No. 749,775, October 24, 1934. This application July 15, 1937, Serial No. 153,708
15 Claims. (Cl. 31—89)

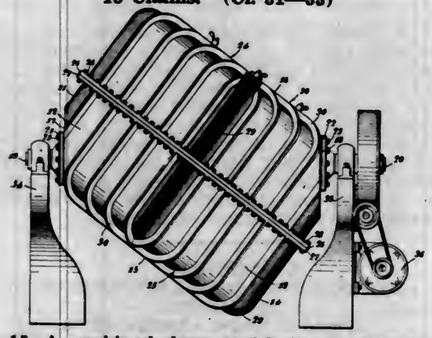


14. The method of working butter which includes successively impacting the butter against a wet surface of cast metal incapable of affecting the flavor of the butter under normal conditions until the desired moisture and salt are incorporated and evenly distributed therein.

2,200,514
COMBINED CHURN AND BUTTER WORKER

Clyde L. Mitchel, Elmonte, and Elbert L. Wetmore, Alhambra, Calif., assignors to Challenge Cream & Butter Association, Los Angeles, Calif., a corporation of California

Application July 23, 1934, Serial No. 736,544
15 Claims. (Cl. 31—33)

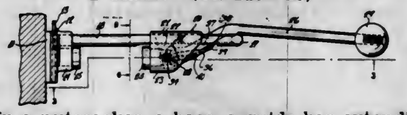


15. A combined churn and butter worker comprising a container adapted to receive cream to be churned into butter, the interior faces of the container being made of cast metal incapable, under normal conditions, of affecting the flavor of butter, said metal being from the group consisting of aluminum, tin and their alloys.

2,200,515
NUTCRACKING MACHINE

George J. Moeller, St. Louis, Mo., assignor to Dazey Churn and Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application March 14, 1938, Serial No. 195,669
1 Claim. (Cl. 146—16)



In a nutcracker, a base, a guide bar extending horizontally from said base, said guide bar having an opening extending longitudinally thereof and two sets of ratchet teeth formed on its under surface, flanking said opening, a jaw fixed to said base and offset below the plane of said guide bar; a second jaw, a carriage for said second jaw, depending from and slidable on said guide bar toward and from said fixed jaw, a pivot pin on said carriage extending at right angles to said guide bar, said second jaw being movable toward and from the fixed jaw relative to said pivot pin, a pawl pivotally mounted on said pin and adapted to fix the position thereof with respect to said guide bar, said pawl having an upper end portion extending across said bar opening and engageable with said ratchet teeth, a spring coacting with said pawl for biasing its upper end portion into engaged relation with said ratchet teeth, an operating handle pivotally mounted on said pin and extending upwardly through said bar opening for manipulation above the plane of said bar, means operatively connecting said second jaw for movement toward and from the fixed jaw responsive to pivotal movement of said handle, the upper end portion of said pawl being disposed in the path of movement of said handle and being displaceable thereby out of engagement with said ratchet teeth.

2,200,516
DRILL HOLE SHEAVE CARRIER

John B. Newsom, Nevada City, Calif.

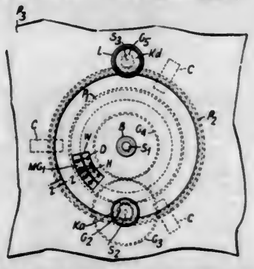
Application July 27, 1937, Serial No. 155,859
Renewed October 27, 1939
8 Claims. (Cl. 125—21)



1. A sheave carrier for a drill hole comprising

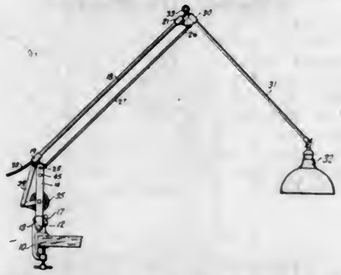
a tubular member having inwardly tapered end portions permitting said member to smoothly telescope within the drill hole, a sheave, and a bracket connecting the sheave to the tubular member.

2,200,517
DIAL INDICATOR APPARATUS
Thomas Dixon Parkin, Broomfield, near Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application October 5, 1938, Serial No. 233,377
In Great Britain November 3, 1937
5 Claims. (Cl. 116—124.3)



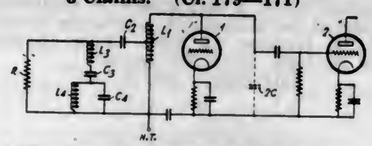
1. An indicator apparatus comprising a main scale member having scale divisions marked thereon and arranged to be driven with the device whose movements are to be indicated, said main scale member having a predetermined ratio of speed of movement with respect to said device, a second scale member marked with scale divisions corresponding to those of the main scale member, means for driving second scale member with the first scale member but at a higher speed of movement, a reading member provided with a reference line whereby the positions of both scale members relative to said reading member reference line can be read off, a framework rotatable as a whole about the main scale member axis and carrying the scale members, reading member and associated driving members, and means for locking said framework in any position of rotation.

2,200,518
ADJUSTABLE BRACKET STRUCTURE
Albert C. Perbal, St. Louis, Mo.
Application April 29, 1938, Serial No. 205,033
8 Claims. (Cl. 248—280)



1. An adjustable bracket structure including a support, a jointed arm having an inner section comprising a pair of relatively parallel bars, and link elements pivotally interconnecting the adjacent ends of said bars in the formation of a parallelogram linkage system, an outer section extending from one of said link elements, means pivotally connecting the other link element to said support, and counterbalancing means for the bracket arm comprising a crank arm journalled on said support, a coupling member between said crank arm and inner bracket section, said coupling member serving to transmit load forces acting on said inner bracket section to said crank arm, and a spring mounted on said support and coacting with said crank arm to oppose load forces transmitted to the crank arm.

2,200,519
THERMIONIC AMPLIFIER CIRCUITS
William Spencer Percival, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England
Application September 11, 1937, Serial No. 163,446
In Great Britain September 15, 1936
3 Claims. (Cl. 179—171)



1. A thermionic amplifier circuit arrangement capable of amplifying a range of frequencies of the width employed in television systems and including a band pass filter which comprises an inductance coil and a condenser connected to a tapping point on said coil, the shunt arm of a half-section of the filter being constituted by said inductance coil and the inter-electrode capacity of at least one amplifying tube in said circuit, the series arm of the half-section of said filter being constituted by said condenser and the leakage inductance of said coil which acts as an auto-transformer by reason of the connection of said latter condenser to said tapping point on said coil.

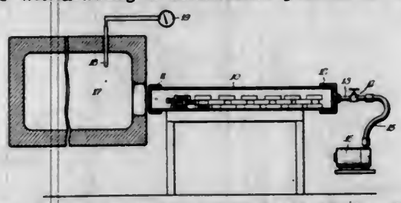
2,200,520
HEAD OF CONVEX BARRELS
Fritz Rüsch, Lamerbusch, near Hilgen, and Paul Sander, Leverkusen-Wiesdorf, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application April 22, 1937, Serial No. 138,322
In Germany April 23, 1936
3 Claims. (Cl. 217—76)



1. A wooden barrel having a tapered end, said end being smooth on its inside, a relatively rigid head contained within the tapered end and having its periphery in engagement with the smooth inner surface of the tapered end, a hoop surrounding the tapered end forcing the inner surface of the tapered end into firm engagement with said periphery, said head having outwardly extending portions overlying the ends of the barrel wall to resist any tendency of the head to slide inwardly due to the action of the hoop.

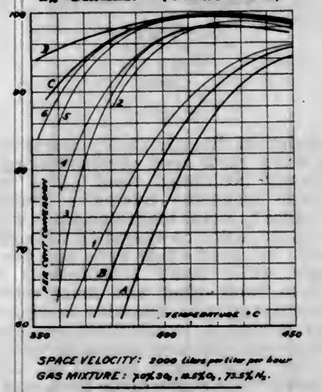
2,200,521
METHOD OF MAKING RESISTANCE ELEMENTS
David T. Siegel, Chicago, Ill.
Application November 10, 1937, Serial No. 173,865
1 Claim. (Cl. 201—75)

The method of making resistance elements which consists in providing a chamber adapted to be sealed, placing therein the elements to be coated, together with a measured quantity of liquid acetone, sufficient to release a required quantity of nascent carbon for coating said elements, then closing and sealing said chamber, then withdrawing a substantial portion of the



air therefrom, and then subjecting said chamber to a predetermined heat sufficient to decompose the acetone to form carbon and for a predetermined period, thereby causing expansion and consequent increase of pressure to a predetermined substantial degree above atmospheric, and then removing the elements from said chamber.

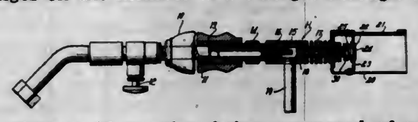
2,200,522
CATALYZER AND METHOD OF PREPARING IT
Johann S. Streicher, Newark, N. J., assignor to The American Platinum Works, Newark, N. J., a corporation of New Jersey
Application March 7, 1939, Serial No. 260,301
12 Claims. (Cl. 23—234)



1. The method of preparing catalysts which comprises adding to dehydrated granular silica gel a solution containing a platinum compound, drying the resulting mixture, heating the mixture to decompose the platinum compound, cooling the resulting platinized silica gel, wetting and mixing the said platinized silica gel with a liquid containing a promoter agent, allowing the said promoter agent to settle on the platinized silica gel and within its pores in a loose state and in loose association with said platnized silica gel, and drying the resulting mass.

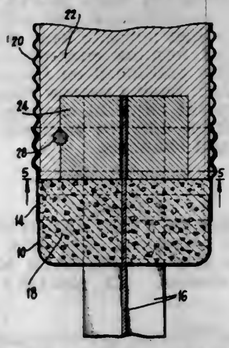
2,200,523
GAS DETECTOR
William G. Tuel, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc., a corporation of New York
Application September 8, 1938, Serial No. 228,899
2 Claims. (Cl. 23—254)

1. In an apparatus for detecting halide gas, means for introducing such gas into an unignited stream of fuel gas; means for burning such fuel gas, containing halide, as a substantially colorless flame; and an apertured reactor member so positioned within the flame that the flame impinges on the member and emerges through the



aperture, said member being composed of material which when hot reacts with the halide to impart a color to the emergent flame, and said aperture being elongated transversely to the axis of the flame so that the emergent flame is in the shape of a ribbon or sheet.

2,200,524
H-BEAM COMPOSITE PILE
Elihu D. Watt, Plainfield, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey
Application July 14, 1937, Serial No. 153,471
3 Claims. (Cl. 61—53)



1. In the method of forming a composite pile having a lower section comprising a beam and an upper section comprising a shell filled with concrete, the steps of placing the lower end of said shell around the upper end of said beam, placing a seal of concrete between said shell and said beam to prevent entrance of ground water into said shell during the sinking operation, sinking said shell and said beam into the ground simultaneously by force which subjects the seal to a compression action to effectively maintain said seal during the sinking operation, and filling the shell with concrete.

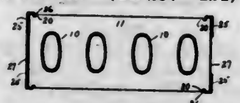
2,200,525
ANTIOXIDANT
Charles F. Winans, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 23, 1936, Serial No. 117,339
12 Claims. (Cl. 260—800)

1. The method of preserving rubber which comprises vulcanizing the same in the presence of a compound selected from the group consisting of secondary N-furfuryl N-aryl amines and secondrary N-furfuryl N-aryl amines in which the aryl radical has attached thereto at least one substituent selected from the group consisting of alkyl, aryl, aralkyl, halogen, amino and hydroxyl groups.

2,200,526
AGE RESISTOR
William D. Wolfe, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 12, 1936, Serial No. 100,544
11 Claims. (Cl. 260—808)

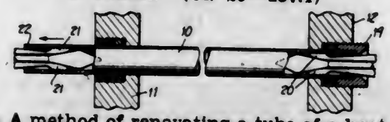
11. An age resisting rubber composition comprising rubber and a member of the group consisting of the N-methylene arylene diamine omega sulfonic acids and the N-methylol arylene diamines.

2,200,527
HEAT EXCHANGER CORE SHIELD
Fred M. Young, Racine, Wis.
Application April 14, 1938, Serial No. 201,859
2 Claims. (Cl. 257—124)



2. A device of the class described, comprising a number of tubes and a multiplicity of closely spaced rectangular in shape fins through which said tubes extend forming a core, said fins having depressions in their opposite long edges near the corners thereof forming channels in the core, a pair of plates positioned on the narrow sides of said core each having narrow flanges adapted to extend into the adjacent channel, means between said plates adapted to firmly hold their flanges into said channels.

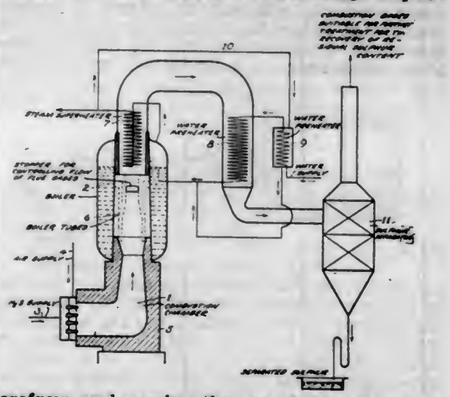
2,200,528
METHOD OF TUBE RENOVATION
Robert Armstrong, Ridgefield, N. J.
Application May 9, 1939, Serial No. 272,556
4 Claims. (Cl. 29—157.4)



1. A method of renovating a tube of a heat exchange apparatus of the character described, in which the tube is mounted at opposite ends in spaced walls and where an end portion of the tube has become impaired, which consists in holding the good end against movement and stretching the tube in situ while the tube is in place between the spaced walls to effect a permanent elongation thereof with the impaired end portion projecting from the adjacent wall, and severing the impaired end portion.

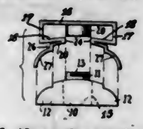
2,200,529
PRODUCTION OF SULPHUR
Hans Baehr and Karl Braus, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application June 10, 1937, Serial No. 147,412
In Germany June 13, 1936
4 Claims. (Cl. 23—226)

1. The process of producing sulphur which comprises burning a gas comprising a substantial amount of hydrogen sulphide in a free flame with an amount of a gas comprising elementary oxygen which is smaller than that required for the conversion of all of the hydrogen sulphide into sulphur dioxide but is sufficient to convert the hydrogen sulphide to free sulphur, maintaining at a place of the flame zone so high a temperature that the flame is continuously maintained, cooling the resulting gas, separating sulphur



therefrom and passing the remaining gas over a catalyst for converting the remainder of the hydrogen sulphide into sulphur in accordance with the Claus process.

2,200,530
SAFETY RAZOR HEAD ELEMENT
Sidney H. Benjamin, Milwaukee, Wis.
Application May 4, 1939, Serial No. 271,699
8 Claims. (Cl. 30—40)

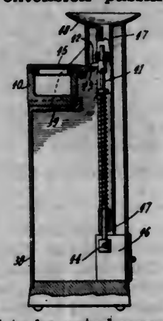


1. A device of the character described comprising a safety razor head element having spaced longitudinally positioned head guide walls; a safety blade magazine having a plurality of stacked blades therein; magazine guide walls carried by said magazine co-operating with said head guide walls, the head guide walls and the magazine guide walls being substantially equally spaced from each other and maintaining said head element and said magazine in longitudinal alignment during a longitudinal movement of said head element and said magazine with respect to each other and means carried by said head element removing a single blade from said magazine during said movement.

2,200,531
COMBINATION SANITARY DEVICE
Elias C. Bishelany, Brooklyn, N. Y.
Application February 12, 1938, Serial No. 190,221
1 Claim. (Cl. 4—267)

A device of the class described comprising an upright housing having a set-back step-like roof forming a right-angle recess thereon, a base having said housing mounted thereon, a vertical rod slidably mounted in said housing, a spittoon removably mounted on said roof in said recess, a cover hingedly attached to said spittoon and having a tongue projecting into said housing, a nose on said rod near the upper end thereof, resilient means for urging said rod upward, a collar on said rod adapted to engage the roof of the housing adjacent said recess to serve as an upper limit stop, said tongue normally lying against said nose, depression of said rod causing said nose to force

said tongue downward and to lift said cover, said rod having an extension passing through said



housing adapted to be acted upon to depress said rod.

2,200,532
BACTERIAL INOCULANT FOR LEGUMINOUS PLANTS
Varley Sherman Bond, Quincy, Ill., assignor to Kalo Inoculant Company, Quincy, Ill., a corporation of Illinois
Application August 24, 1938, Serial No. 226,565
14 Claims. (Cl. 71—7)

1. An inoculant for leguminous plants comprising a plurality of selected cultures of different species of bacteria of the genus Rhizobium, one of said cultures being *Rhizobium trifolii alpha*, said cultures being substantially unaffected by each other in respect to their ability to fix nitrogen in the leguminous plant for which they are specific.

10. A method for producing a composite inoculant for leguminous plants comprising a plurality of strains of different species of bacteria of the genus Rhizobium, which comprises cultivating each strain separately in suitable culture medium to produce a substantial quantity of living organisms and thereafter mixing the organisms with a moist powder base containing a substantially negligible concentration of bacterial nutrients whereby the desired inoculant is formed.

2,200,533
DISPLAY POSTER DEVICE
Ernst Borregard, Woodmere, N. Y.
Application August 31, 1939, Serial No. 292,781
5 Claims. (Cl. 40—32)

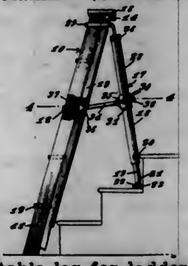


1. In an improved animated poster display device the combination of a frame, a roller mounted thereon, means for continuously rotating the roller, an endless belt divided into a plurality of panels on which are mounted the posters to be displayed, said endless belt being mounted on and rotatable with the roller, and means carried by the framework and the endless belt respectively, cooperating to intermittently halt the endless belt in its travel.

2,200,534
LOW POUR POINT LUBRICATING OIL
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 19, 1932, Serial No. 606,278
1 Claim. (Cl. 196—151)

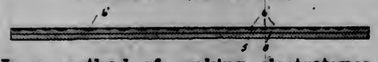
A lubricating oil having a relatively low pour point comprising a lubricating oil having a relatively higher pour point blended with a small quantity of a pour point reducing agent extracted from a cracked pitch by the use of a high boiling hydrocarbon oil fraction, said pour point reducing agent being substantially free of black carbonaceous bodies.

2,200,535
ADJUSTABLE LADDER LEG
John Guy Brewer, Piedmont, Mo.
Application December 12, 1938, Serial No. 245,295
4 Claims. (Cl. 228—63)



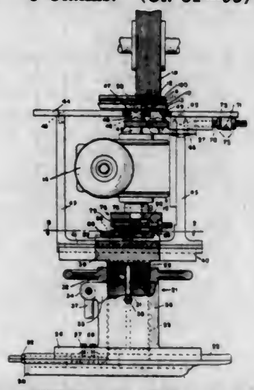
1. An adjustable leg for ladders comprising a pair of telescoping members, a plate carried by and extending laterally on each side of one end of said members, a pair of arms slidably disposed in said plate, one end of said arms having means for attachment to the ladder and the other end for attachment to said members, means for holding said members in adjusted relation, and means for retaining said members in spaced relation on said ladder.

2,200,536
METHOD OF AND APPARATUS FOR MAKING ELECTROTYPES
George W. Bungay, New York, N. Y.
Application May 21, 1937, Serial No. 143,876
4 Claims. (Cl. 29—21)



1. In a method of making electrotypes, the steps which comprise filling in the intaglio portions of the printing face of a backed shell so that the filled-in portions will be flush with the printing surfaces of said printing face, positioning the thus-treated backed shell on a traveling bed of a milling machine with the filled-in face directly in contact with said traveling bed, holding said shell in position on said bed by a vacuum, and cutting away a sufficient amount of backing metal to produce an electrotype of the desired thickness.

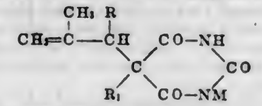
2,200,537
POLISHING MACHINE
Archie L. Burrows, Detroit, and Axel Edwin Henricson, Walnut Lake, Mich., assignors to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application February 14, 1938, Serial No. 190,486
8 Claims. (Cl. 51—95)



1. In a polishing machine, a revoluble polishing wheel, means for advancing a strip of stock relative to the wheel with the surface of the stock to be polished adjacent the polishing surface of the wheel, a prime mover for operating the advancing means, a support for both the advancing means and prime mover, and means operated by the prime mover for reciprocating the support in directions to move the stock in opposite directions across the polishing surface of the wheel.

2,200,538
BARBITURIC ACID COMPOUND
William G. Bywater, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 2, 1938, Serial No. 188,396
13 Claims. (Cl. 260—257)

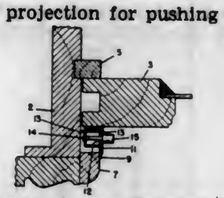
1. A barbiturate represented by the formula,



where R and R_1 represent hydrocarbon radicals containing not more than six carbon atoms and M represents a member of the group hydrogen, an alkali metal, an equivalent of an alkaline earth metal, ammonium, alkylammonium and dialkylammonium.

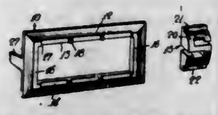
2,200,539
WINDOW WEDGE
Hubert O. Carroll, Painesville, Ohio
Application February 2, 1939, Serial No. 254,258
5 Claims. (Cl. 292—342)

3. In means for tightening window sashes, a cam-plate for securement at a fixed location opposite a sash to be tightened and having a slot inclined toward the sash, a shoe riding on said cam-plate and having stirrups straddling a wing thereof next to the sash, a pin in the stirrups and sliding in said slot, a spring within the cam-plate normally holding the shoe back at the end of the cam slot most remote from the sash, and a sash-carried projection for pushing a projecting head of said pin to cam the shoe against the sash.



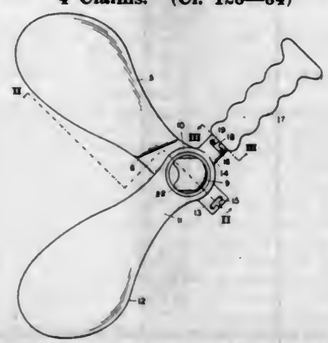
2,200,540
MONOGRAM UNIT
Michael Chernow, Brooklyn, N. Y.
Application August 4, 1938, Serial No. 223,029
2 Claims. (Cl. 40—140)





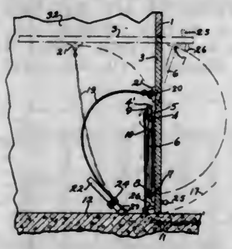
1. A monogram unit comprising a rectangular carrying frame having countersunk upper and lower bars and spaced upstanding transverse ribs transversely of said bars, thereby affording stop conformations for the lateral edges of initial pieces, initial pieces bridging across said bars and having end conformations resting thereon and positioned against lateral displacement by said stop conformations, a cover frame completely concealing the forward face of the carrying frame, the thickness of the initial units protruding above said end conformations and presenting shoulders respectively at the tops and bottoms thereof, resilient lugs on the cover frame for closure engagement with said carrying frame, with the end conformations of the initial pieces clamped in place therebetween and with said shoulders engaging the inner edges of said cover frame, the carrying frame having downwardly turned median prongs adapted for affixing the latter to an article of manufacture.

2,200,541
SACRAL REST
Gilbert Hyde Chick, Oakland, Calif.
Application March 22, 1938, Serial No. 197,395
4 Claims. (Cl. 128—84)



2. An orthopedic apparatus including a peri-neal standard; a pair of sacral blades having hubs encircling said standard and pivoted about the axis thereof; and means for locking said standard and blades in relative position.

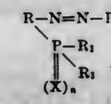
2,200,542
AUTOMATIC GARAGE DOOR
Alexander C. D'Alfonso, Santa Barbara, Calif.
Application April 3, 1937, Serial No. 134,884
5 Claims. (Cl. 20—16)



1. An overhead swinging garage door comprising a door of a size adapted to swing through the doorway opening, means pivoting the door on a horizontal pivot near the lower part of the door and pivotally suspending said pivot from a horizontal axis supported on a fixed member at a point above said pivot, whereby when the lower part of the door is swung outwardly and upwardly through the doorway the component of the two pivotings will swing the door to a substantially horizontal over-head position projecting principally inwardly through the doorway and partially outward therefrom, and a pair of flat steel leaf springs at opposite sides of the doorway provided with means pivotally connecting the upper ends of said springs to the door and anchoring their lower ends each to a fixed point adjacent the floor in a manner to bend and put the springs under tension to balance and tend to hold said door in such over-head position.

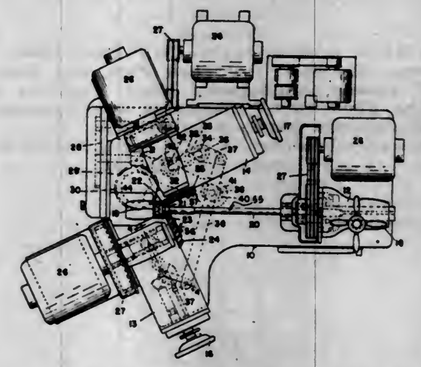
2,200,543
AZO COMPOUNDS AND MATERIAL COLORED THEREWITH
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 25, 1939, Serial No. 291,934
9 Claims. (Cl. 260—205)

1. The azo compounds having the general formula:



wherein R represents an aryl nucleus of the benzene series, R_1 represents a member selected from the group consisting of a benzene nucleus, a naphthalene nucleus, and a heterocyclic nucleus, X represents an atom of oxygen or sulphur, *n* represents zero or the numeral 1, and R_2 and R_3 each represent a member selected from the group consisting of an amino group, an alkylamino group, a hydroxyalkylamino group, an alkoxyalkylamino group, an acetamino group, a cyclohexylamino group, a tetrahydrofurfurylamino group, a carbamino group, an alkylene amino group, an aminopyridylamino group, a phenylamino group, and the group OZ, wherein Z represents a member selected from the group consisting of hydrogen, an alkyl group, a phenyl group, and an alkali forming metal.

2,200,544
METHOD OF FINISHING SURFACES
Robert S. Drummond, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application February 8, 1937, Serial No. 124,790
2 Claims. (Cl. 90—11)



1. The method of finishing a work piece having two contiguous, angularly related surfaces of revolution which comprises engaging each of said surfaces with an edge cutting tool, said tools engaging said surfaces in line contact and having cutting edges crossing said line contact, rotating said work piece and both of said tools at substantial speeds, at least one of said tools having its cutting edges of such angularity that each edge initiates its cut adjacent the angle between said surfaces, and progresses in a direction away from said angle.

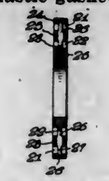
2,200,545
RUSTLESS IRON MANUFACTURE
Alexander L. Feild, Baltimore County, Md., assignor to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware
No Drawing. Original application January 4, 1934, Serial No. 705,281, now Patent No. 2,087,431, dated July 20, 1937. Divided and this application July 12, 1937, Serial No. 153,282
4 Claims. (Cl. 138—47)

1. Tubes for use in oxidizing or reducing media under conditions of intermittent heating, said tubes being heat-resistant and free from hardening under such conditions, and comprising as essential ingredients, approximately, 20 per cent to 22 per cent chromium, .25 per cent to 2 per cent manganese, .25 per cent to 2 per cent silicon, .05 per cent to .20 per cent carbon, and the balance substantially iron.

2,200,546
METAL GASKET AND PROVISION FOR EXTENDING THE LIFE THEREOF
Eugene C. Furman, Hampton, Va., assignor of one-half to Edmund F. Heard, Hampton, Va.
Application August 12, 1938, Serial No. 224,627
6 Claims. (Cl. 285—111)

1. A metal gasket having an annular side channel, annular sealing surfaces at opposite sides of said channel, and at least one opening

from the outer edge of the gasket to said channel through which a plastic gasket-forming material



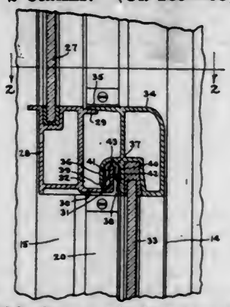
may be injected into said channel after installation of the gasket.

2,200,547

CHECK RAIL SEALING CONSTRUCTION

George M. Grady, Browndale Park, and Henry F. Ruberg, Minneapolis, Minn., assignors to The Flour City Ornamental Iron Company, Minneapolis, Minn., a corporation

Application February 18, 1938, Serial No. 191,209
2 Claims. (Cl. 189—65)



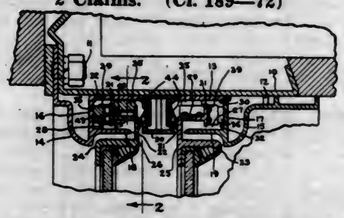
1. A double-hung window construction embodying cross rails each provided with one portion only engageable to position the rails in closed position, a member on the lower sash rail forming a recess U-shaped in cross section and open along the bottom, an upstanding flange member on the upper sash rail positioned to enter the recess as the rails approach closed position but held out of contact with the interior of said recess in such closed position, and a spring member removably held within the recess engageable with both sides of the flange member as the rails approach closed position for sealing the cross rails from infiltration of air when they are in closed position and when they have not yet reached closed position.

2,200,548

WINDOW SASH GUIDING AND SEALING MEANS

George M. Grady, Browndale Park, and Henry F. Ruberg, Minneapolis, Minn., assignors to The Flour City Ornamental Iron Company, Minneapolis, Minn., a corporation

Application February 18, 1938, Serial No. 191,210
2 Claims. (Cl. 189—72)



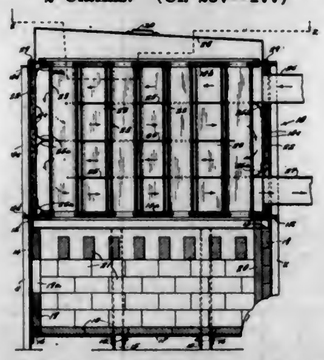
1. A window construction embodying a frame formed with a pair of rectangularly disposed contact surfaces, a sash, one of said surfaces facing the sash, a sash rail provided with members which face the contact surfaces, extended blocks carried by said members in position to engage the surfaces, elongated springs held back of the blocks and engageable with the blocks and the members to force the blocks into yielding engagement with the surfaces, and a spring-sealing member between portions of the sash rail and of the frame against which the sash rail is forced by one of said spring-actuated blocks.

2,200,549

INDIRECT AIR HEATER

Herbert L. Grapp, Minneapolis, Minn.

Application April 4, 1938, Serial No. 200,047
2 Claims. (Cl. 257—177)



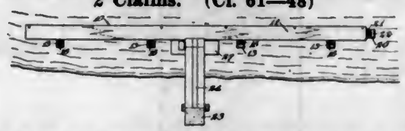
1. An indirect heating device adapted to be disposed over a source of hot gases of combustion having in combination, a casing having top and bottom plates, a plurality of rows of tubes extending between said top and bottom plates, said tubes having flat parallel sides, said plates having openings therethrough alined with the openings in said tubes and having grooves extending about said openings therein in which the ends of said tubes are disposed and high temperature resisting material in said grooves about said tubes for holding the same in place whereby the ends of said tubes are protected from the hot gases passing therethrough and means for passing air longitudinally through said casing about said tubes.

2,200,550

WHARF

Nick Frederic Helmers, New York, N. Y.

Application December 21, 1938, Serial No. 247,027
2 Claims. (Cl. 61—48)



1. A wharf comprising a floating dock, a plurality of piers abutting against one side and end of said dock, vertical guides on said piers, means secured to said dock and slidably engaging said guides to hold said dock in contact with the piers, while permitting movement of said dock vertically.

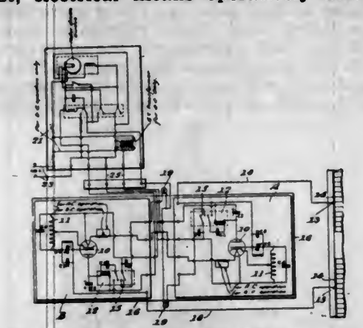
2,200,551

BOWLING ALLEY

Dana B. Hinckley, Brookline, Mass.

Application May 10, 1939, Serial No. 272,857
4 Claims. (Cl. 273—50)

1. A device for indicating when a player passes over the foul line in a bowling alley comprising a radio frequency circuit having an antenna positioned along a line adjacent the foul line, said radio frequency circuit having a plate circuit arranged to have an increased current flow when the capacity of the grid circuit is affected by the player's foot passing over the foul line, an alarm circuit, electrical means operatively associated



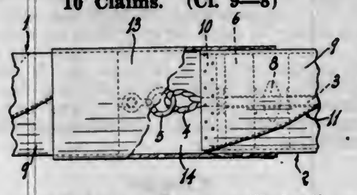
with said plate circuit and said alarm circuit and adapted to be actuated to close said alarm circuit in response to said increased current flow, said antenna being in the form of a flat metal strip positioned below the surface of the alley and forming an acute angle therewith.

2,200,552

SPILL BOOM

Leroy G. Hook, San Pedro, Calif.

Application November 28, 1938, Serial No. 242,709
10 Claims. (Cl. 9—8)



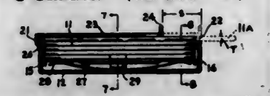
1. A device for confining spilled oil on the surface of the water comprising a series of spaced interconnected floats and a cover of uniform diameter throughout its length enclosing said spaced floats, said cover being formed of fireproof material.

2,200,553

POCKET GUM DISPENSER

Louis Illmer, Cortland, N. Y.

Application February 1, 1939, Serial No. 253,966
3 Claims. (Cl. 206—40)



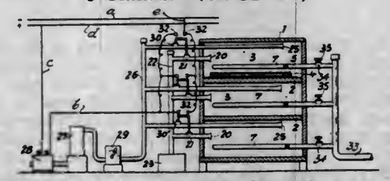
1. A grippable pocket dispenser for stowing therein a refill stack of flat gum bars or the like, said dispenser comprising a box shaped receptacle having a bottom wall provided with opposed side walls of which corresponding longitudinal edges are respectively equipped with mated guideway means and which receptacle further comprises a rear end wall and a front end wall arranged to provide for a slot located crosswise of said guideway means, a manipulative cover overlying the stacked bars and having a length shorter than said bars, opposed longitudinal edge regions of said cover respectively including shoe means cooperating with said guideway means for manual reciprocative cover movement therealong and which cover in all its travel positions is arranged to leave exposed a portion of a next adjacent bar, means for bodily advancing the stack of bars toward said cover, and transversely disposed ejector lip means carried by the cover and in one extreme of travel serving to positively grip the rear end of a particular stacked bar lying next adjacent to said cover, said lip means further serving to initiate the ejection of each successive next adjacent bar through said slot in unison with alternate reciprocative cover strokes and to unobstructedly expose both side face portions of each such bar when partially ejected.

2,200,554

METHOD OF REMOVING THE SOLVENTS FROM SOLUTIONS OF RESILIENT SUBSTANCES

Adolf Kämpfer, Charlottenburg, Berlin, Germany

Original application January 23, 1935, Serial No. 3,152. Divided and this application February 25, 1937, Serial No. 127,800. In Germany January 23, 1934
6 Claims. (Cl. 34—24)



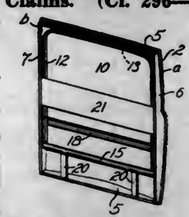
1. A method of preventing the deliquescence of a resilient substance in solution applied to a sheet of glass, including the step of maintaining above the layer of substance a confined substantially quescent atmosphere charged with vapors of the solvent for said resilient substance for the purpose of preventing the formation of a skin on the surface thereof and gradually increasing the absorptive power of the atmosphere for the substance solvent by gradually increasing the temperature of the atmosphere.

2,200,555

METAL DOOR FRAME FOR AUTOMOBILES

Peter O. Krogh, Lima, Ohio, assignor to Superior Body Company, Lima, Ohio, a corporation of Ohio

Application April 11, 1939, Serial No. 267,278
2 Claims. (Cl. 296—44)



1. An all-metal door frame of the class described having top, bottom, inner and outer side edge bars rigidly joined at their ends and of angle form in cross-section with their web or body portions facing each other, and a tubular reinforcing bar disposed between the inner and outer edge bars and rigidly connected at its ends to the web portions of such bars, and a window defining strip extending across the inner side of said top edge bar and fixedly connected thereto

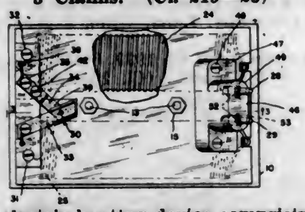
and also extending down at the inner side of each side edge bar to and fixedly attached to said cross bar.

2,200,556
LID SUPPORT
Ira J. Kuert, Los Angeles, Calif.
Application February 20, 1939, Serial No. 257,309
2 Claims. (Cl. 53—8)



1. In a lid, a circular body having a flat edge portion at its periphery, said body having a frustro-conical stepped portion within the flat edge portion, an upwardly directed boss on said stepped portion, said boss having apertured end walls, a support formed from a single length of wire and including a rectangular body and end portions fitting the boss apertures said support body including an inner and an outer portion arranged at an angle to the inner portion, the inner portion of the support engaging the stepped portion of the lid and the outer portion of the support permitting the support to engage the flat edge portion or to engage the lid within the stepped portion.

2,200,557
ELECTRIC HEATING DEVICE
Frank Kuhn, Detroit, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application January 9, 1939, Serial No. 250,034
5 Claims. (Cl. 219—25)



5. An electric heating device comprising a base plate, a clamping plate, a resistor between said plates having spaced longitudinally extending portions with terminals at the opposite ends of each portion, a thermostatic switch connected between the terminals at one end of said resistor portions, and external circuit connections at the opposite ends of said portions.

2,200,558
VERTICAL SAND DAMPER
Wilbur S. Mayers, Toledo, Ohio
Application October 29, 1937, Serial No. 171,703
1 Claim. (Cl. 251—59)

In a sand damper, a casing having opposed spaced sides, and provided with a plurality of spaced openings, each side formed with an uninterrupted integral seat, which extends inwardly in the space between the sides, a slide composed of spaced plates engageable with the respective seats, and means to resiliently connect the plates so that same can freely move inwardly of the casing, said plates extending outwardly beyond the outer terminals of the seats throughout the circumference of the latter and the seats being of such width as to hold the plates of the slide at such predetermined spaced distance



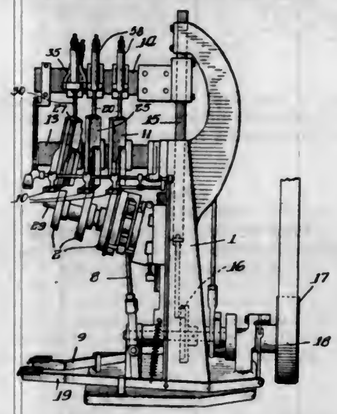
from the inner faces of the sides of the casing as to provide for the insertion of a prying tool of a size so as to enable the plates to be pried out of engagement with the seats, and the bounding edges of the plates being located in such relation to the bounding edges of the sides of the casing, whereby such latter edges provide a fulcrum for the prying tool, the openings of the casing being located at the top and bottom and on opposite sides thereof, whereby the plates may be pried away from their respective seats throughout substantially the circumferences of the plates.

2,200,559
TRANSMISSION SYSTEM
Doren Mitchell, Bound Brook, and Harry Nyquist, Millburn, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application October 11, 1938, Serial No. 234,434
14 Claims. (Cl. 179—1.5)



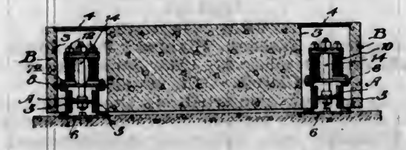
1. In a speech transmission system including a plurality of transmitters, an equal number of receivers, a plurality of transmission channels between said transmitters and said receivers, and means for impressing speech current produced by said transmitters on said channels, the method of maintaining secrecy during the transmission of speech from said transmitters to said receivers which comprises impressing speech on said respective channels in the form of individual speech fragments each of a duration equal to a vocal interval and preselecting an idle channel for transmission of the next succeeding speech fragment each time a speech fragment of vocal interval duration is impressed on a channel.

2,200,560
BASKET MACHINE
Walter F. Newhouse, Benton Harbor, Mich.
Application October 3, 1938, Serial No. 232,966
53 Claims. (Cl. 1—13.6)



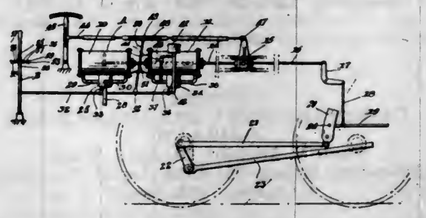
1. The combination of means to rotate a round container about its axis, while it is being made, a plurality of staplers having staple drivers converging to said axis, disposed in a plane transverse of said axis, and means for simultaneously operating said drivers, thereby to simultaneously insert staples that converge to said axis, with all staples on the line of a circle struck from said axis.

2,200,561
VIBROISOLATOR
Siegfried Rosenzweig, Long Island City, N. Y.
Application May 16, 1939, Serial No. 274,048
4 Claims. (Cl. 248—20)



1. A vibration isolating construction for isolating machinery from a sub-base, including in combination, a cast foundation having a plurality of pockets formed therein and normally accessible from the top of the foundation, beams embedded in said foundation and exposed in said pockets, and isolating means for supporting said beams, said means comprising a plurality of devices located in said pockets and each including a stool consisting of spaced structural members insertable from the top of the pockets and receiving the beam therebetween, an isolator unit including top and bottom plates, the latter bridging said structural members, a plurality of springs between said plates, means for adjustably connecting said plates to compress the springs, and a suspension bolt passing through said top and bottom plates and having its upper end adjustably connected with the top plate and its lower end connected with the beam.

2,200,562
POWER REVERSING GEAR
Herbert Duncan O'Rourke, Ottawa, Ontario, Canada
Application June 26, 1937, Serial No. 150,607
1 Claim. (Cl. 121—40)



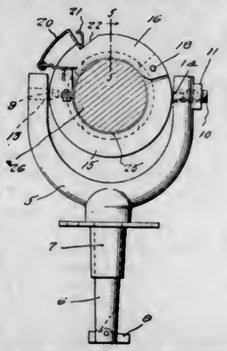
Power reversing gear for locomotives comprising in combination with locomotive link block structure an operating cylinder and a control cylinder, pistons in said cylinders having piston rods commonly connected to cause said pistons to operate in unison, control valves for said cylinders and means connected with said control valves for operating them in unison, said control cylinder being filled with liquid, said control valve for said latter cylinder operating to establish and disestablish connection between opposed ends of the control cylinder for transferring the liquid or opposing transfer of the liquid from one end of the cylinder to the other, the control valve for said operating cylinder admitting an operating fluid to the cylinder to actuate its piston and connected piston in the control cylinder when said valves are open, an expansion tank adapted to be connected with said control cylinder and means controlled by the control valve for said cylinder for placing said expansion tank in direct communication with the control cylinder only when its control valve is open, said expansion tank carrying a volume of liquid and functioning to permit passage of liquid to and from the control cylinder, additional means for establishing communication between the control cylinder and expansion tank to compensate for variations in the volume of liquid in the control cylinder caused by extreme climatic changes, and means for connecting the commonly connected piston rods with the link block structure, said operating cylinder functioning to vary the setting of the link block structure, said control cylinder functioning to positively lock the link block structure in a set position.

2,200,563
METHOD OF PREPARING ORES TO FACILITATE EXTRACTION OF METALS
Kenneth M. Simpson, New York, N. Y.
No Drawing. Application May 24, 1937, Serial No. 144,551. Renewed December 20, 1939
3 Claims. (Cl. 75—121)

1. The method of preparing silicate ores for the extraction of the desired metals from the gangue, comprising subjecting a silicate ore while in a neutral atmosphere to a temperature and for a time sufficient to decompose the minerals composing the gangue to change the form and volume thereof to facilitate subsequent extraction of the desired metals, and thereafter removing the desired metals from the prepared ore by a leaching solution.

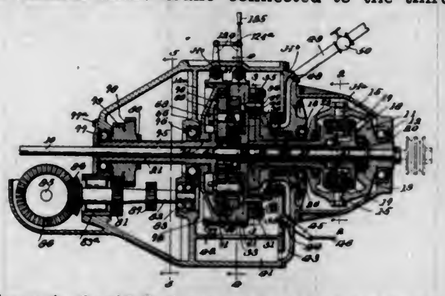
2,200,564
INSECTICIDE
Milton S. Schechter and Herbert L. J. Haller, Washington, D. C., assignors to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application December 8, 1939, Serial No. 308,234
1 Claim. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
An insecticide containing as its essential active ingredient phthalonitrile.

2,200,565
UNIVERSAL JOINT OAR HOLDER AND OARLOCK
Hugh N. Sticklin, Olympia, Wash.
Application March 28, 1938, Serial No. 198,596
2 Claims. (Cl. 9—26)



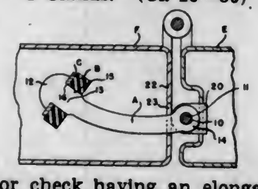
1. An oarlock comprising a supporting yoke, a transversely split ring member so as to provide a large and a small section hingedly connected to each other, said large section being pivotally supported at diametrically opposite sides to the arms of said yoke, said ring member having an internal circumferential groove and a longitudinally split oar accommodating sleeve positioned in the ring and having an external interrupted circumferential rib intermediate its ends and seated in said groove, said interrupted rib facilitating removal of the sleeve from the ring upon the opening of said smaller hinged section.

2,200,566
VARIABLE RATIO TRANSMISSION
Otto E. Szekely, Elmira, N. Y., assignor to The Szekely Company, Inc., a corporation of New York
Application June 4, 1937, Serial No. 146,482
11 Claims. (Cl. 74—293)
1. In a variable ratio transmission, a frame, a driving member, a driven member, a first differentiating gearing including three elements movable relative to one another; a second differentiating gearing having elements comprising a spider having compound pinions thereon, first gears of different effective diameters engaged with said pinions, and a further gear of a yet-different effective diameter engaged with one of said pinions, and means for selectively restricting the movement of said first gears relative to the frame; said first gearing having one element connected to one of said members and said second gearing having one element connected to the other of said members, means mechanically connecting a second element in the first gearing with a second element in the second gearing, and a variable effort brake connected to the third



element of said first gearing and to another element of said second gearing for controlling the relative movements in said gearings.

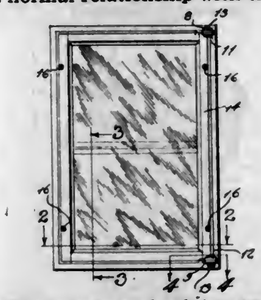
2,200,567
DOOR CHECK
Paul H. Travis, Detroit, Mich.
Application December 6, 1939, Serial No. 307,915
4 Claims. (Cl. 16—86)



1. A door check having an elongated arm, a yieldable cushioning element, and a backer for said element, said arm being provided at one end with an opening for a pivot pin and provided at its other end with a head, said arm also being provided beside said head with a wider portion providing a shoulder, the cushioning element and backer having registering openings receiving said shoulder, the size and shape of said registering openings being substantially the same as the size and shape of the shoulder whereby the edges of the registering openings frictionally engage said shoulder.

2,200,568
STORM WINDOW
Charles B. Weedon, Highland Park, Mich.
Application October 26, 1938, Serial No. 237,091
2 Claims. (Cl. 20—55)
2. In window construction, the combination with a stationary metallic casement, and a metallic swingable sash hinged to said casement to swing outward thereof from and to a closed position to produce an assembly equipped for summer usage, of a supplemental sash adapted to be removably secured to and being movable with the swingable sash and adapted to co-operate with the casement and swingable sash to seal the assembly for winter service and produce a dead air space of material air content between the glass panes of the two sash, said supplemental sash having its contour dimensions greater than the similar dimensions of the swingable sash to thereby overlie the stationary casement and also having cut-away portions for passage of the hinge elements for the swingable sash, said supplemental sash having its inner face carrying a sealing strip formation positioned to overlie the joint between the swingable sash and its casement and adapted to contact both the casement

and the swingable sash when the window is closed and to sealably isolate the hinge members from the air space provided between the glass panes, the body of the supplemental sash and its glass pane being located outside of a plane extending between and parallel to both sash panes and generally corresponding to the position of the sealing strip formation, whereby the swingable sash retains its normal relationship with the casement



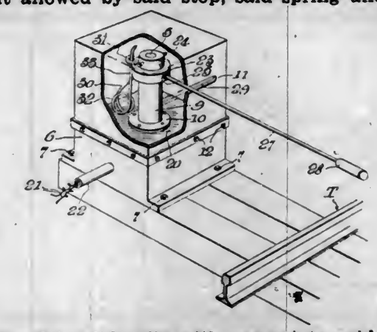
during both summer and winter service conditions with the positioned supplemental sash operative to prevent air flow through the joint between the swingable sash and its casement when the sash is closed and to seal against air flow between the supplemental sash and the faces of the swingable sash and casement to thereby establish the dead air space while permitting freedom of swinging movement of the two sash as a unit.

2,200,569
METHOD OF FORMING ANNULAR BLANKS TO A PREDETERMINED CROSS SECTIONAL CONTOUR
Owen M. Whitten, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application June 21, 1937, Serial No. 149,508
8 Claims. (Cl. 153—28)



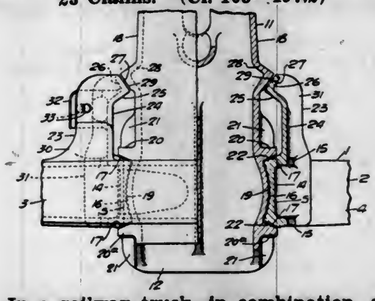
5. Those steps in the method of forming an annular blank to a predetermined cross sectional contour, which consist in successively advancing a plurality of blanks to a forming station, successively lifting the blanks from the advancing means as the blanks assume positions at the forming stations by moving cooperating forming rolls in converging paths into opposite ends of the blank and into engagement with the inner surface of the opposite end portions of the blank, and opposing the lifting movement of the blank by the cooperating forming rolls to fashion the blank to a predetermined contour.

2,200,570
RAILWAY CROSSING SIGNAL SWITCH
George Zint, Wapakoneta, Ohio
Application October 10, 1939, Serial No. 298,829
3 Claims. (Cl. 246—250)
1. In a railway signal, a signal switch having an operating shaft, said shaft being provided with a transverse rod guide, means for mounting said switch in spaced relation with a railway track, a rod transverse to said shaft and having one end slidably engaged with said rod guide, said rod being of a length to extend into the path of a car on the track, whereby said rod will be swung by the car to turn said shaft in switch-operating direction, a stop for limiting the extent which said road may project from said shaft, and a spring acting on said rod and reacting on said shaft for normally projecting said rod to the limit allowed by said stop, said spring allowing



said rod to slide idly with respect to said shaft if the car be reversed while holding said rod in switch-operating position.

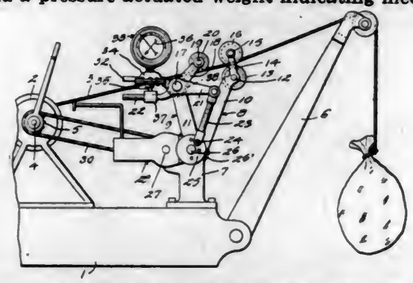
2,200,571
RAILWAY TRUCK
Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of New York
Application November 10, 1937, Serial No. 173,941
23 Claims. (Cl. 105—197.2)



1. In a railway truck, in combination, a side frame having a bolster opening defined by guide columns, said guide columns having inner cylindrical surfaces concave about the vertical axis of said frame, a bolster with an end portion positioned in said opening and formed with outer cylindrically convex surfaces cooperating with said concave surfaces to allow for horizontal angling of said bolster with respect to said frame, brackets extending inwardly of said truck from said frame, and angularly disposed surfaces on said brackets spaced from said guide columns adapted to engage correspondingly disposed surfaces on said bolster for limiting said horizontal angling of said bolster, said bracket surfaces being substantially coradial with respect to said vertical axis.

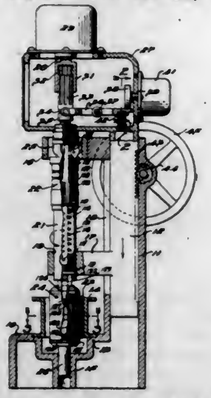
2,200,572
WEIGHT INDICATOR AND REGISTER FOR HOISTS
Jesse T. Bolen, Prineville, Oreg., assignor of one-half to William M. MacKay, Prineville, Oreg.
Application February 28, 1939, Serial No. 259,023
8 Claims. (Cl. 265—1.6)
1. In a hoist, including a weight lifting cable designed to be wound upon a rotating drum and passing from the drum over a boom, weighing means for the cable supported load, comprising a member supported for oscillation in an up and down arcuate path and overlying and adapted to bear down upon the cable, means for forc-

ing said member downwardly upon the cable simultaneously with the rotation of the cable take-up drum and subsequently releasing the member, and a pressure actuated weight indicating mech-



anism operatively coupled with said member for indicating the weight supported by the cable through the resistance offered thereby to the downward movement of said member.

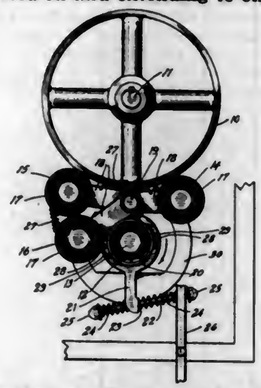
2,200,573
HONING DEVICE
Kirke W. Connor, Detroit, Mich., assignor to Micromatic Hone Corporation, a corporation of Michigan
Application April 27, 1936, Serial No. 76,520
1 Claim. (Cl. 51—34)



The combination in a honing tool of an abrading head supporting a single abrading element, pilot means for retaining the axis of the tool centrally disposed relative to a work piece, means for feeding said abrading element radially of said head, means for advancing and retracting said abrading element relative to said head independently of said expanding means, means for relatively oscillating the tool and work, means for relatively rotating the tool and work in synchronism with said oscillation, and means for introducing a relative feed movement between the abrading element and work parallel to the path of oscillation during said machine operation.

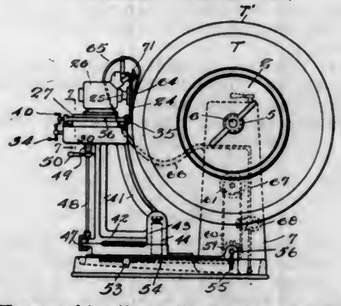
2,200,574
REVERSIBLE POWER TRANSMISSION MECHANISM
Harold G. Davis, Denver, Colo.
Application October 14, 1939, Serial No. 299,502
6 Claims. (Cl. 74—202)

1. A reversible power transmission device comprising: a drive pulley; a driven wheel spaced from said drive pulley; a shifting member rotatable about the axis of said drive pulley; a pivot member on said shifting member intermediate of and in alignment with the axis of said wheel and the axis of said pulley; a hinged arm pivoted on and extending to one side of said



pivot member; a roller mounted on the extremity of said arm; and means for rotating said shifting member about the axis of said drive pulley to pull said roller into contact with both said pulley and said wheel.

2,200,575
ROTARY CUTTING MACHINE
Curtiss X. Haskins, Spokane, Wash., assignor of one-half to Isaac G. Parsons, Spokane, Wash.
Application August 1, 1938, Serial No. 222,548
7 Claims. (Cl. 164—61)

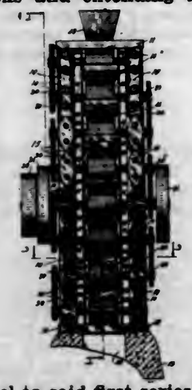


7. The combination with a rotary holder and a tire thereon, of a carriage longitudinally adjustable toward and from the tire, a laterally adjustable stand pivotally supported on the carriage and a tool-bed mounted at the top of the stand, a rotary cutting tool mounted on the bed and longitudinally adjustable in a plane tangential to the plane of the tread of the tire, complementary arcuate flanges on said stand and carriage and a clamp jaw engaged over said flanges, and an adjusting screw-bar mounted in the jaw and journaled in a bracket of the bed.

2,200,576
CRUSHING AND GRINDING MACHINE
Leon G. Hawkins, Denver, Colo.
Application December 1, 1938, Serial No. 243,338
1 Claim. (Cl. 83—12)

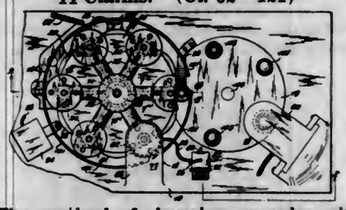
A crushing and grinding machine comprising: four upright members; a vertical series of pairs of parallel horizontal slide rods supported between said members at opposite sides of said machine; a stationary journal block mounted on each pair of rods, said stationary journal blocks being in vertical alignment at each side of said machine; a first series of horizontal

crushing rolls journalled in said stationary journal blocks and extending across said machine at right angles to said rods; a movable journal block mounted on each pair of slide rods adjacent the stationary block thereon; a second series of horizontal crushing rolls journalled in said movable journal blocks and extending across said ma-



chine parallel to said first series of rolls; a compression spring surrounding each rod and acting to force the movable block thereon towards the stationary block thereon; and a slide surface on the top and bottom of each journal block, the top surfaces contacting the bottom surfaces of the next above block to vertically space the blocks and to lend additional support thereto.

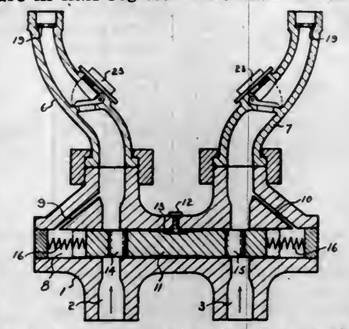
2,200,577
PRODUCTION OF CHARGED CAPSULES
Carl F. Lozon, Massillon, Ohio
Application March 18, 1938, Serial No. 196,720
11 Claims. (Cl. 62—121)



1. The method of charging capsules with carbon dioxide, which comprises forcing frozen carbon dioxide into a hollow die and thereby forming an elongated body of Dry-Ice of a desired cross-sectional area and a desired density, severing a desired length from said body to provide a given quantity of carbon dioxide and leaving a portion of said body in the die, forcing additional frozen carbon dioxide into the die to unite with the remaining portion of said body and form another such elongated body of dry ice, severing a desired length from the last mentioned body, inserting the severed lengths into capsules, and sealing the capsules.

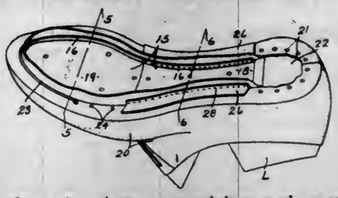
2,200,578
PRESSURE EQUALIZING VALVE
Thomas C. Mahon, Burnaby, British Columbia, Canada
Application November 7, 1938, Serial No. 239,293
In Canada November 9, 1937
3 Claims. (Cl. 277—20)

1. A pressure equalizing valve comprising a body having two through passages having flow and discharge ends, a piston common to both intersecting each passage, said piston having a port for each passage which ports are so spaced that when the piston is in normal position the ports are in half register with each of said pas-



sages and when the piston is at an end of its strike one port is in full register with its passage and the other port is in partial register with its passage, and a bye-pass communicating between the discharge ends of each through passage and the piston.

2,200,579
SHOE CONSTRUCTION AND METHOD OF MAKING SAME
James F. Marshall, Auburn, N. Y.
Application July 2, 1938, Serial No. 217,283
6 Claims. (Cl. 12—142)

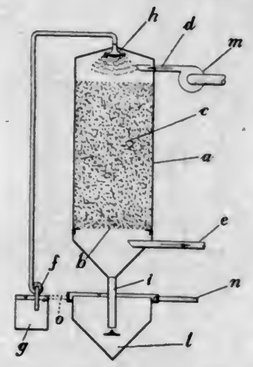


1. A shoe structure comprising a shoe upper, a supporting structure therefor including a pair of relatively short welt members secured to the lower edges of the shank portions only of the shoe upper, and an outer sole having the forward portion thereof connected directly to the lower edge of the forward portion of the shoe upper and intermediate side portions thereof connected directly to said welt members, the forward ends of the welt members and the portions of the lower edges of the shoe upper adjacent thereto being extended outwardly from the side of the upper adjacent thereto in overlapping relationship with each other, and means including stitches extending across said overlapping portions of the welt and lower edges of the shoe upper for securing the sole to said shoe upper.

2,200,580
PURIFICATION OF LIQUIDS BY BIOLOGICAL MEANS
Max Prüss and Heinrich Blunk, Essen-Ruhr, Germany
Application February 12, 1938, Serial No. 190,290
In Germany December 24, 1934
2 Claims. (Cl. 210—7)

1. A process for purifying a liquid and any malodorous gases given off by said liquid, which consists in maintaining a closed space above a biological filter bed, forcing the liquid into said closed space, distributing said liquid over said fil-

ter bed, forcing an oxygen-containing gas into said space under superatmospheric pressure whereby the liquid, said oxygen-containing gas, and any malodorous gases given off by said liq-



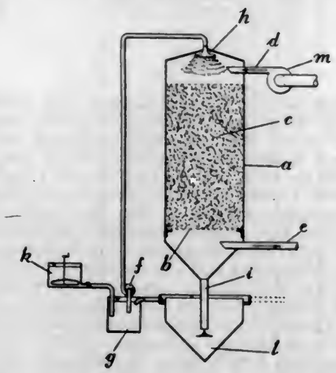
uid travel confluently downwardly through said filter bed, and the liquid and said malodorous gases are simultaneously purified in said bed, and separating the purified liquid and the gases below said bed.

2,200,581

PURIFICATION OF GASES BY BIOLOGICAL MEANS

Max Prüss and Heinrich Blunk, Essen-Ruhr, Germany

Application February 12, 1938, Serial No. 190,291
In Germany December 24, 1934
4 Claims. (Cl. 195—2)



1. The process for deodorizing offensive gases which consists in maintaining a biological filter bed in a closed chamber, distributing over the upper surface of said bed a bacteriological nutrient in liquid form to maintain the life of the filter bed, delivering under pressure to said closed chamber above said filter bed the offensive gases to be treated and sufficient oxygen to aerate the filter bed whereby said offensive gases are prevented from escaping to the atmosphere except through said filter bed and whereby the downflow of the liquid through the filter bed is facilitated by and concurrent with the downflow of the gases and oxygen, and separating the deodorized gases from the liquid below the bed.

2,200,582

INSECTICIDE

Elbert M. Shelton, New Haven, Conn., assignor to The Tannin Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 8, 1938, Serial No. 239,422
7 Claims. (Cl. 167—34)

1. As a new composition of matter, an insecticide comprising the reaction product of nicotine, a vegetable tannin of the catechol class and an aldehyde.

2,200,583

METHOD OF MAKING BUNGS

Cleo E. Shepard, Chicago, Ill.

Application May 3, 1937, Serial No. 140,353
5 Claims. (Cl. 29—148.2)



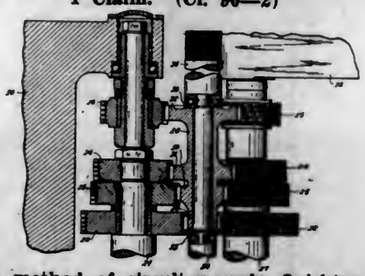
1. The method of making a bung, which comprises making a cup-shaped member, making a bar that is substantially harder than the material of the cup and having sharp cutting edges at its ends, the length of the bar between cutting edges on one side of the bar being slightly greater than the normal chord of the cup between the points where the cutting edges engage the cup walls when the bar is located diametrically within the cup, forcing the bar into the cup diametrically across it so that the sharp edges of the bar are caused to cut into the walls of the cup throughout the distance the bar is inserted in the cup, the engaging of the ends of the bar and the side walls of the cup preventing forced rotation of the bar in relation to the cup-shaped member.

2,200,584

METHOD OF SIMULTANEOUSLY FINISHING CLUSTER GEARS

Oliver G. Simmons, Lakewood, Ohio

Application September 13, 1935, Serial No. 40,455
1 Claim. (Cl. 90—2)



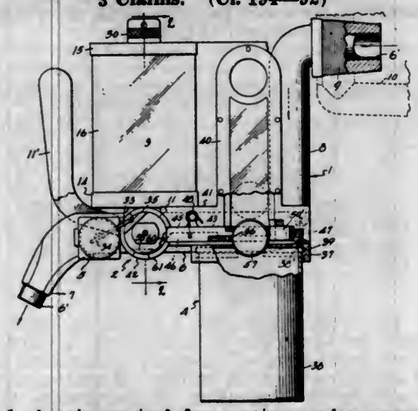
The method of simultaneously finishing the individual and different diameter gears of a cluster gear which comprises positioning said cluster gear in floating intermeshing engagement with a plurality of sets of combined burnishing and shaving cutters, each of which sets comprises a plurality of cutters differing in diameter from the cutters of the other sets, the cutters of all the sets of cutters being mounted and accurately centered on shafts parallel to the axis of the cluster gear, the individual gears of the cluster each being in mesh respectively with the cutters of a set of cutters, one cutter of the sets of cutters being arranged to act as a driver and the remainder of the cutters of all of the sets of cutters arranged to act as idlers, rapidly driving the driver cutter to rotate the cluster gear and the other cutters while simultaneously applying relative radial pressure between the cutters and cluster gear to simultaneously burnish and shave the working face surfaces of the individual gears of the cluster.

2,200,585

LIQUID DISPENSING DEVICE

Peter Slobody, San Francisco, Calif.

Application March 13, 1937, Serial No. 130,722
3 Claims. (Cl. 194—92)



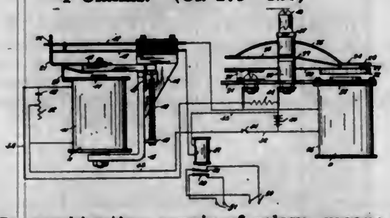
1. A coin control for a rotary valve mounted in a horizontal conduit comprising a base plate projecting from the conduit rearwardly of and in proximate relation to the valve, a coin box suspended from the base plate, a vertical slot member rising from the base plate above and in line with the coin box and having a horizontal passage leading to the rotary valve, a pair of coacting bars slidable in the horizontal passage, cooperating means on the front ends of the bars and the valve for effecting locking and releasing operations and means on the rear ends of the bars subject to control of a coin passing from the coin slot member to the coin box for controlling said operations.

2,200,586

TIMING DEVICE

Thomas R. Spalding, Chagrin Falls, Ohio, assignor to The K-W Ignition Corporation, Cleveland, Ohio, a corporation of Ohio

Application July 8, 1938, Serial No. 218,127
4 Claims. (Cl. 175—320)



1. In combination a pair of relays, means for causing the operation of one of said relays to complete an operating circuit for the second of said relays, means for causing the operation of the second of said relays to interrupt the operating circuit for the first of said relays, and means for preventing the subsequent operation of the first of said relays for an interval of time, said last mentioned means comprising a pair of normally closed contacts carried by reed members and operatively associated with the second of said relays.

2,200,587

METHOD AND APPARATUS FOR SAND BLASTING

Leslie L. Tirrell, Benton Harbor, Mich., assignor to The Hydroblast Corporation, Chicago, Ill., a corporation of Illinois

Application February 25, 1937, Serial No. 127,620
27 Claims. (Cl. 51—8)



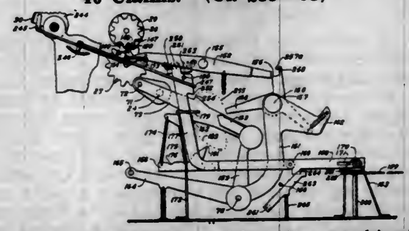
15. The method of controlling the spreading of a projected liquid jet which comprises the steps of mixing rarefied air with the liquid before it is finally projected as a jet and adjusting the amount of said air that is mixed with the liquid.

2,200,588

CALCULATING MACHINE

Harold T. Avery, San Luis Obispo, Calif., assignor to Marchant Calculating Machine Company, a corporation of California

Application October 25, 1926, Serial No. 144,034
40 Claims. (Cl. 235—63)



9. In a calculating machine, the combination of a shiftable carriage, means for automatically shifting the carriage at the proper times during a calculation of division, said means including a clutch for engaging and disengaging the carriage-shifting mechanism, means for automatically engaging said clutch at the proper time for making a shift, and means operated by the carriage-shifting mechanism during the shift to effect the automatic disengaging of the clutch upon the completion of the shift.

25. In a calculating machine, the combination of registering mechanism including numeral wheels, stop mechanism adapted to stop the operation of the registering mechanism, and a member movable to initiate operation of the registering mechanism and render the stop mechanism responsive to the registration on the numeral wheels.

2,200,589

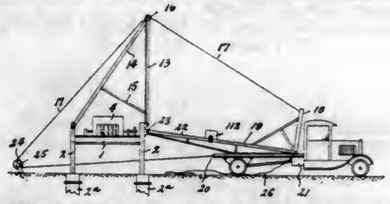
PORTABLE ASPHALT MIXING PLANT CONSTRUCTION

Robert B. Berner, Indianapolis, Ind., assignor to Hetherington & Berner Inc., Indianapolis, Ind., a corporation

Application May 13, 1938, Serial No. 207,831
3 Claims. (Cl. 259—153)

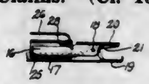
1. In a portable type aggregate mixing plant, a base unit comprising a platform having a mixer unit mounted thereon, a plurality of aggregate handling units adapted to be supported on said platform, hoist means for lifting said handling units into assembled position over said platform

connected to one side of said platform and movable from knockdown to a vertical position, means rigidly securing said hoist means in vertical position with respect to said platform, an elevator connected to the other side of said platform and



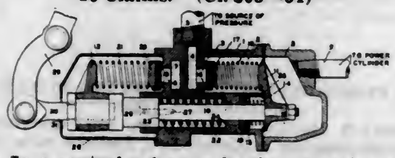
movable by said hoist means from a knockdown to a vertical position adjacent said handling units, and means for fixedly connecting said elevator, hoist means, and handling units together to provide a rigid structure including said platform.

2,200,590
HAIR CURLER
Benjamin Black, Brooklyn, N. Y.
Application November 17, 1939, Serial No. 304,887
18 Claims. (Cl. 132—33)



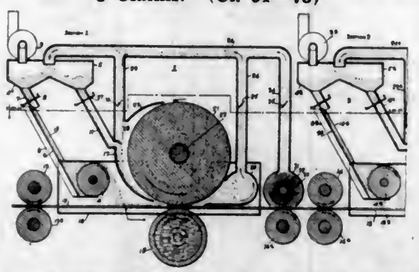
1. A hair curler comprising a pair of pivotally interconnected jaw members, and a clamping device including a bearing member with which one of the jaw members is removably rotatably engaged, and a spring clamping element connected to the bearing member at an end thereof remote from the pivotal axis of the jaw members and being releasably locked with the end of the bearing member nearest to said pivotal axis, the removable jaw member having a longitudinal opening extending substantially throughout the length thereof to permit locking engagement of the spring element and to permit removal of the removable jaw member with the spring element maintained in locked position, the other jaw member serving as a starting clamp for a lock of hair, and the said jaws being rotatable as a unit when the clamping element is in open position in course of forming the lock of hair into a curl.

2,200,591
CONTROL VALVE MECHANISM
Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application May 18, 1938, Serial No. 208,560
16 Claims. (Cl. 303—54)



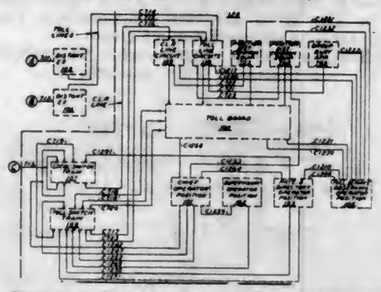
1. In a control valve mechanism, a casing provided with ports for supplying fluid to and exhausting it from a chamber, a valve associated with each port and movable off its seat in the direction of flow of fluid through the port, means associated with each valve for applying pressure thereto to hold it in closed position, means for varying the pressure by which the means holds the supply port valve closed, and means subject to differential fluid pressures for causing a reactive effect on the last named means independently of the valves and the means for applying pressure thereto.

2,200,592
POLISHING APPARATUS
Earl L. Coddington, Middletown, Ohio, assignor to Norma L. Barton, Middletown, Ohio
Application December 10, 1937, Serial No. 179,164
3 Claims. (Cl. 51—78)



1. The combination with a hopper, a chute, a support for the article to be acted on, a supplying roll being adapted to supply an abrasive on said article, an abrasive feeding roll spaced above the article and operating to manipulate the abrasive material to cause it to act on the article, a chamber near said feeding roll to receive the abrasive driven by the roll, a suction tube connecting the chamber with the hopper, and the hopper adapted to re-supply the abrasive to the abrasive feeding roll to deliver abrasive material to the hopper, a rotative brush adapted to cleanse the article under treatment and a lift tube to receive and deliver the debris from the brush and convey it to the hopper.

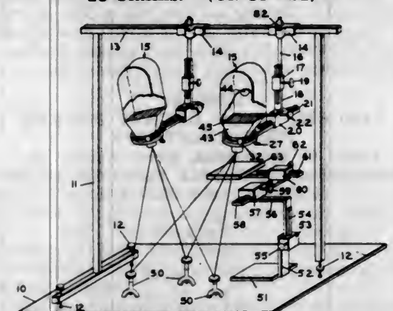
2,200,593
TELEPHONE SYSTEM
Thomas Frederick Crocker, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 28, 1938, Serial No. 221,700
85 Claims. (Cl. 179—27)



1. In a telephone system, a first operator's position having a line extending thereto, means for routing a call by way of said line to said first operator's position, a second operator's position having a receiver and a transmitter thereat, first and second repeaters, means for associating said transmitter with said first repeater, means under the control of an operator at said second operator's position for associating said first repeater with said line and for associating said receiver with said first repeater, thereby to complete a two-way communication connection between said

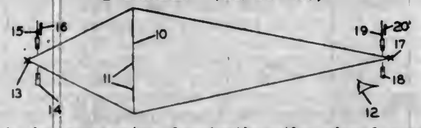
second operator's position and said line, and means under the control of an operator at said second operator's position for associating said second repeater with said line and for associating said receiver with said second repeater, thereby to complete a monitoring connection between said second operator's position and said line.

2,200,594
METHOD AND APPARATUS FOR AERIAL MAPPING
Bartholomew A. Diggins, Rochester, and Otto E. Trautmann, Irondequoit, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application September 17, 1937, Serial No. 164,386
13 Claims. (Cl. 88—24)



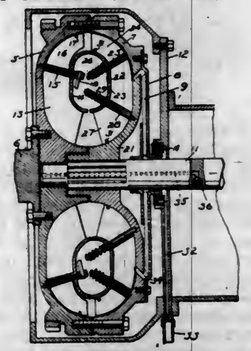
1. The method of rectifying aerial photographs which comprises taking two aerial photographs of an area containing at least three points whose locations in space are known, placing said photographs in projectors, orienting said projectors to produce a stereoscopic light model of said area, placing control markers on a reference surface so that they are in the same relative positions as the known points in space, orienting said projectors until the known points in the light model coincide with the proper control markers, placing a piece of photosensitive material in predetermined position parallel to said reference surface in the path of one of said projectors, focusing the photograph in said projector on the photosensitive surface of said material, and printing said photograph on said photosensitive surface.

2,200,595
APPARATUS FOR TESTING VISION
Bartholomew A. Diggins, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 24, 1938, Serial No. 192,266
4 Claims. (Cl. 88—20)



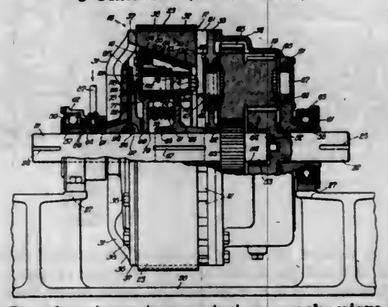
1. An apparatus for testing the visual acuity of a patient by determining the minimum discernible contrast between a test object and its background at different levels of illumination, said apparatus comprising a translucent screen at which the patient is directed to look, an opaque test object on the rear side of the screen, a source of light behind the screen for illuminating the rear side of the screen, means for varying the intensity of light from said source, means for indicating the intensity of the light passing to the screen from said source, a second source of light positioned in front of the screen for illuminating the front side thereof, means for varying the intensity of the light from the second source and means for indicating the intensity of the light passing to the screen from the second source.

2,200,596
HYDRAULIC CLUTCH
Adiel Y. Dodge, Rockford, Ill.
Application December 2, 1935, Serial No. 52,530
Renewed August 14, 1939
8 Claims. (Cl. 60—54)



1. A hydraulic clutch comprising an annular impeller casing having vanes mounted in substantially one-half thereof, a rotor mounted in said impeller casing and rotatable relatively thereto, said rotor having a plurality of vanes and an annular core member secured to the inside of said vanes, a substantial portion of the outside edges of the rotor vanes being unsupported and lying adjacent the inside of said impeller casing.

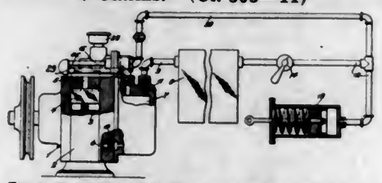
2,200,597
PLANETARY TRANSMISSION MECHANISM
Clarence M. Eason, Waukesha, Wis., assignor to Industrial Clutch Company, Waukesha, Wis., a corporation of Wisconsin
Application July 9, 1937, Serial No. 152,720
5 Claims. (Cl. 74—289)



1. In planetary transmission mechanism, the combination of a rotatable housing, brake means for controlling the rotation of said housing, driving and driven shafts entering said housing, planetary gearing within said housing, a clutch within said housing, push pins entering one end of said housing for actuating said clutch, a trunnion sleeve projecting from the latter end of said housing, a main bearing supporting said trun-

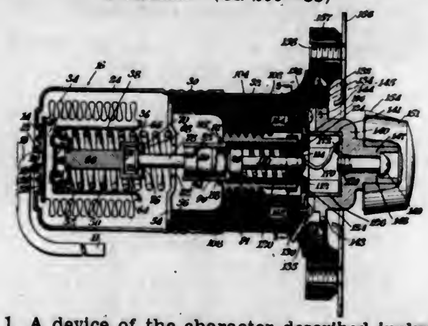
nion sleeve, and apparatus disposed between said main bearing and said push pins for transmitting motion to said push pins, said apparatus having its reaction pressure borne by said housing.

2,200,598
COMPRESSOR SHUT-OFF VALVE MECHANISM
Cyril B. Fites, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application July 11, 1938, Serial No. 218,531
7 Claims. (Cl. 303—11)



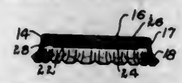
1. In apparatus of the class described, a fluid compressor provided with an intake port and an exhaust port, a fluid pressure receiver connected to the exhaust port, a fluid pressure-actuated system adapted to be operated by fluid pressure from the receiver, a casing having a passage in communication with the intake port, a chamber in the casing, a movable valve member in the chamber and adapted to control the passage, a spring for biasing the valve member to open position, conduit means for connecting the chamber to the receiver, pressure-operated valve means for permitting fluid to flow to the chamber when the pressure in the receiver is a predetermined value, means forming a relief passage from the chamber, and valve means independent of the pressure-operated valve means and operable by fluid pressure from the fluid-actuating system for causing a release of the fluid under pressure in the chamber.

2,200,599
REFRIGERATOR CONTROL
Edwin G. Gaynor, Fairfield, Conn.
Application January 19, 1937, Serial No. 121,275
8 Claims. (Cl. 200—83)



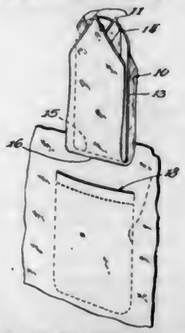
1. A device of the character described including a mounting, a stationary electric contact and a movable electric contact on said mounting, the adjacent ends of said electrodes both having substantial area, being of substantially the same shape at said ends, and being hollow directly behind said ends whereby electric curent may be directed across the faces of said ends substantially at right angles to the axial direction of said electrodes, actuating means to move said movable contact slowly into and out of contact with said other contact and a loose and slack connection between said movable contact and said actuating means adapted to leave said movable contact unmoved for a certain predetermined amount of movement of said actuating means.

2,200,600
CLOSURE FOR BOTTLES
George L. Grapp, Seattle, Wash.
Application February 2, 1938, Serial No. 188,373
2 Claims. (Cl. 215—39)



1. A metal sealing-cap having a top opening adapted to pass a syphon-tube, a spaced imperforate fiber-disk adapted to rest upon and seal the mouth of a bottle, an intermediate rubber-gasket having an opening of less diameter than the syphon-tube, and a metal compression-washer between the disk and gasket having an opening adapted to pass the syphon-tube.

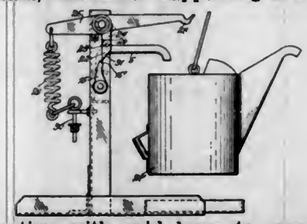
2,200,601
PLACEMENT OF BREAST POCKET HANDKERCHIEFS
Albert C. Grunwald, River Forest, Ill.
Application July 7, 1938, Serial No. 217,859
1 Claim. (Cl. 223—111)



The method of inserting a square handkerchief in a breast pocket by means of an inserter board of slightly less width than the pocket and of length about an inch greater than the depth of the pocket, which consists in folding the handkerchief into a folded width slightly less than the width of the pocket and of folded length approximately twice the depth of the pocket and with the corners of the handkerchief substantially aligned at one end of the folded handkerchief, laying the inserter board upon the folded handkerchief with one end of the board approximately registering with the corner end of the folded handkerchief, refolding the other end of the folded handkerchief over the board, using the other end of the board as a guard for the bight of the refold, inserting the assembled board and refolded handkerchief refold-first into the pocket by downward pressure of the board manually applied at its upper end until the refold substantially reaches the bottom of a pocket, and then withdrawing the board upwardly from the pocket without withdrawing the handkerchief from the pocket.

2,200,602
AUTOMATIC WEIGHING DEVICE
John W. Harriman, St. Louis County, Mo.
Application May 7, 1938, Serial No. 206,661
11 Claims. (Cl. 249—58)

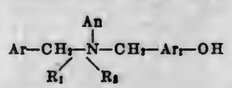
1. Mechanism for operating a valve having an operating stem comprising an arm attached to said stem for pivotal swinging movements about the axis thereof to operate the same, a pivoted lever, a pawl pivotally supported by said lever for engaging said arm to operate the same about the axis of said stem and operate said valve as aforesaid, means for supporting a receptacle



in connection with said lever to operate said lever and thereby swing said arm and operate said valve as aforesaid and to move said pawl out of engagement with said arm by continued movement of said lever, and means for closing said valve after said pawl has moved out of engagement with said arm.

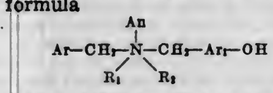
2,200,603
METHOD FOR THE IMPROVING OF GOODS
Winfrid Hentrich, Dusseldorf-Reisholz, Germany, assignor, by mesne assignments, to "Patchem A.-G. zur Beteiligung an Patenten und Sonstigen Erfindungsrechten auf Chemische Verfahren", Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application July 6, 1938, Serial No. 217,720. In Germany July 6, 1937
10 Claims. (Cl. 21—5)

1. Process for the protection of goods from vermin characterized by treating the goods with quaternary ammonium compounds of the general formula



in which Ar and Ar_1 mean an aromatic residue, An means an anion and R_1 and R_2 stand for any organic residue.

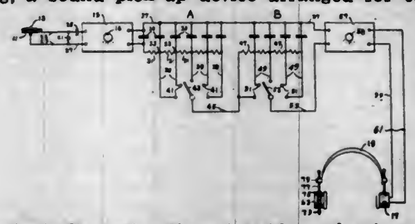
3. Process for the protection of goods from vermin characterized by treating the goods with soluble quaternary ammonium compounds of the general formula



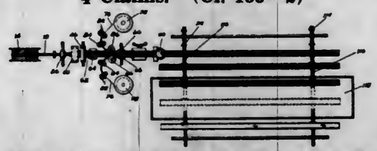
in which Ar and Ar_1 mean an aromatic residue, An means an anion and R_1 and R_2 stand for any organic residue and reacting the soluble quaternary ammonium compounds on the goods with salts producing difficultly soluble salts with the quaternary ammonium compounds by double decomposition.

2,200,604
TIMEPIECE REGULATING SYSTEM AND METHOD
Frederick T. Hicks, Detroit, Mich., assignor to The Indemse Corporation, a corporation of Michigan
Application October 31, 1935, Serial No. 47,640
Renewed September 15, 1939
4 Claims. (Cl. 73—51)

1. A testing device having in combination, a head-band, a watch holder mounted on said head-band for holding a watch adjacent one ear of a wearer, a telephone receiver secured on said head-band for disposal adjacent the other ear of the wearer, means coupled with said telephone receiver for energizing it in accordance with the operations of a mechanism to be tested comprising, a sound pick-up device arranged for convenient disposal adjacent said mechanism for translating sound impulses into electrical impulses, and adjustable time delaying means interconnected between said pick-up device and said telephone receiver.

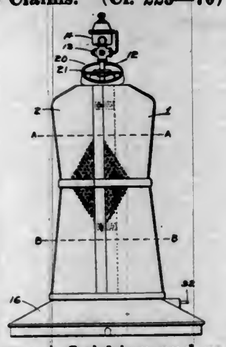


2,200,605
MANUFACTURE OF VENETIAN BLINDS
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application September 19, 1935, Serial No. 41,199
4 Claims. (Cl. 153—2)



4. The method of making shutters for blinds or the like which comprises forming a flat tape of braided wires made up of metal wires each extending the full length of the tape and which are carried alternately over and under each other diagonally of the tape and which bend back across the tape at the edges thereof, expanding the tape to form relatively large spaces between the wires binding the edges of the tape by pressing strips around the tape edges to engage each of the wires on opposite sides of the tape to hold the wires in place and associating a film of material with said tape in intimate contact with the wires of the tape and with the binding to bridge across said spaces.

2,200,606
GARMENT FINISHING, REFINISHING, AND RESHAPING MACHINE
Shedd S. Raymond and Horace M. Montgomery, Oil City, Pa.
Application June 28, 1938, Serial No. 216,268
9 Claims. (Cl. 223—70)



1. In a garment finishing and reshaping ma-

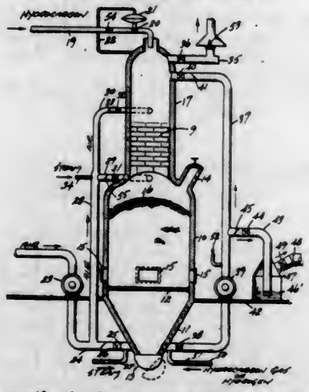
chine, a form consisting of a metallic shell having substantially the form and outlines of the human trunk, said form being open at the bottom and composed of sheet metal which is perforated, divided into vertically extending, relatively-circumferentially expansible sections; pneumatic pistons arranged to cause the expansile movement of said sections; tensile springs arranged in opposition to the expansile function of said pistons, whereby the retractile movement of said sections is caused upon the release of air from said pistons, said pistons and said springs being straight-line-operative members connected to and supported by said sections only.

2,200,607

METHOD FOR MAKING PURE HYDROGEN

Albert R. Stryker, Lawrenceburg, Ind., assignor of one-fourth to Chester Tietig, Covington, Ky.

Application October 18, 1937, Serial No. 169,662
6 Claims. (Cl. 23—212)



1. The method of commercially producing substantially pure hydrogen gas which comprises providing a bed of solid fuel heated to incandescence in a closed reaction chamber, passing a crackable aliphatic hydrocarbon through the incandescent bed of fuel so as to reduce the hydrocarbon to a mixture of completely and incompletely decomposed hydrocarbon gases, recirculating said mixture of hydrocarbon gases through the same incandescent bed of fuel until complete decomposition results and finally withdrawing the pure hydrogen from said chamber.

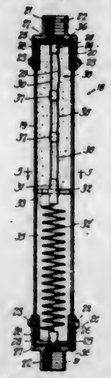
2,200,608

FUSE

Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware

Application June 13, 1936, Serial No. 85,015
Renewed April 13, 1939
75 Claims. (Cl. 200—117)

35. A fuse device comprising a sleeve of insulating material, a terminal member covering each end of said sleeve, a centrally located boss extending outwardly from each of said terminal members, an indicator ring surrounding the base of one of said bosses, a guide member secured to said ring and movable longitudinally through the terminal member individual thereto, a spring mounted inside of said sleeve for biasing said guide member and indicator ring outwardly, a strain wire disposed to hold said guide member against the biasing force of said spring, and a fuse wire connected between said terminal members and in parallel with said strain wire, said fuse and strain wires being disposed to melt on flow therethrough of current above a



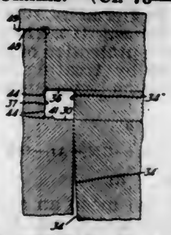
predetermined value thereby releasing said guide member to move said ring outwardly under the influence of said spring to indicate that the fuse device has operated.

2,200,609

PISTON RING FORMING APPARATUS

Edmund R. Week, Jr., Oakland, Calif.

Application March 12, 1937, Serial No. 130,545
5 Claims. (Cl. 78—60)



1. A member provided with a cylindrical bore and an enlarged seat adjacent an end of the bore for receipt of a generally round unfinished piston ring having a radial ring thickness greater than said seat so as to overlie said bore, a second member having a generally cylindrical portion extendable into said bore and adapted to engage said ring and shear therefrom a portion of said ring overlying said bore, said second member having a longitudinal recess at the periphery thereof to leave an inwardly extending lug on said ring.

2,200,610

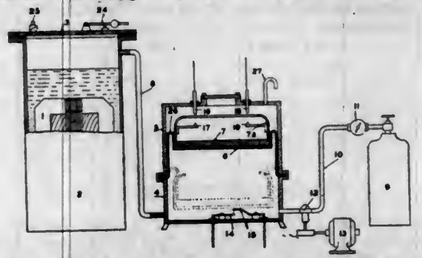
GAS SUPPLY APPARATUS FOR FLUID TANKS

Hans Weichsel, Webster Groves, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application May 22, 1937, Serial No. 144,321
5 Claims. (Cl. 220—85)

1. The combination of a sealed gas container having a variable volume gas space, variable volume means connected thereto to maintain constant gas pressure in said space over a predetermined range, said last named means comprising a container having a weighted flexible wall, and means controlled by the position of said wall for automatically supplying a predetermined volume of additional gas to said container, said means comprising an electrically-operated valve and two

control circuits therefor, one of said circuits being controlled by a switch actuated when the flexible wall approaches the upper limit of its



travel and the other circuit by a switch actuated when the flexible wall approaches the lower limit of its travel.

2,200,611

LIGHTING FIXTURE

Wesley Wilson, Chicago, Ill., assignor to Wilson Lighting Inc., Chicago, Ill., a corporation of Illinois

Application July 29, 1937, Serial No. 156,274
1 Claim. (Cl. 240—103)



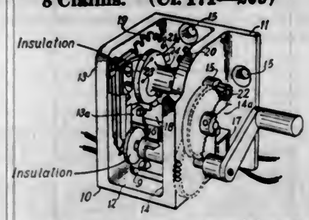
A sheet metal reflector comprising a concave reflector portion shaped as a surface of revolution and a circularly corrugated laterally extending supporting flange portion integral with said reflector portion and extending from the periphery thereof, shaped as a distorted surface of revolution, the different circular elements of said distorted surface of revolution lying in different nonparallel planes intersecting the reflecting surface of revolution.

2,200,612

GENERATOR

Albert E. Woodruff, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application January 11, 1939, Serial No. 250,329
8 Claims. (Cl. 171—209)



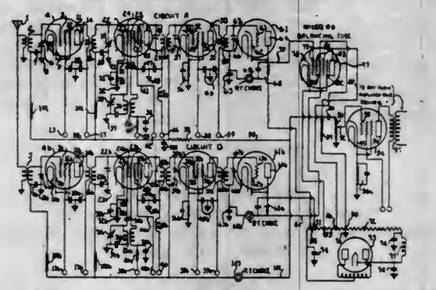
8. A magneto generator comprising a supporting structure including a pair of spaced panels, one of said panels being provided with an opening therein, a magnetic field structure mounted upon said supporting structure between said panels and including a leg disposed closely adjacent one of said panels and provided with a pole face, a winding surrounding said leg and positioned within said opening, said field structure also including a second leg comprising a permanent magnet and provided with a pole face oppositely disposed with respect to said first-named pole face, a shaft rotatably mounted upon said supporting structure, and means including a rotor element carried by said shaft and arranged to rotate between said pole faces for varying the flux traversing said field structure and linking said winding, thereby to develop an undulating voltage in said winding.

2,200,613

ANTISTATIC RECEIVING SYSTEM

William E. Zuccarello, Jacksonville, Fla., assignor to The Macarello Corporation, Jacksonville, Fla., a corporation of Florida

Application November 15, 1938, Serial No. 240,547
10 Claims. (Cl. 250—20)



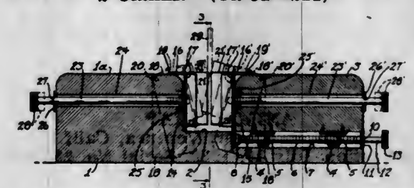
1. A static eliminating system comprising two receiving radio circuits, one of said circuits comprising means for receiving combined signal-modulated carrier and static impulses, the other circuit comprising means for receiving static impulses only of greater strength than the carrier, means for differentially balancing the output currents of one circuit against the output currents of the other circuit, whereby the static impulses of greater strength than the carrier are removed, and means for amplifying the differential currents.

2,200,614

CLEAVER AND KNIFE SHARPENER

Paul R. Booth and Francis R. Booth, San Francisco, Calif.

Application April 4, 1938, Serial No. 199,919
2 Claims. (Cl. 51—214)



1. A device of the type described comprising a base, a stone-carrying member pivotally secured to the base, stones carried by the member and normally lying in a vertical plane, a second stone-carrying member, a carriage slidable on the base and pivotally supporting the second member, stones carried by the second member and normally lying in a vertical plane, adjustable means for moving the carriage on the base for moving the second group of stones toward and away from the first group, adjustable means carried by the base for swinging the first group of stones into an angular position, and adjustable means carried by the carriage for swinging the second group of stones into an angular position.

2,200,615
METHOD OF AND COMPOSITION FOR CLEANING AND RENDERING METAL SURFACES IMMUNE FROM RUST
Clete L. Boyle, Detroit, Mich.
No Drawing. Continuation of application Serial No. 85,554, June 16, 1936. This application December 1, 1937, Serial No. 177,656
9 Claims. (Cl. 148—6.5)

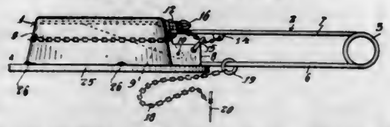
1. That method of preparing a steel surface for painting which comprises subjecting a steel surface covered with an oxide coating to a mechanical treatment which removes the loose coating material therefrom and leaves thereon the oxide coating which adheres tightly thereto, applying to such tightly adherent oxide coating a water solution of phosphoric acid in sufficient quantity to wet the coating and wherein the phosphoric acid constituent is present in sufficient amount to convert the oxide coating into a phosphate coating (but does not substantially exceed the amount which can be used up in such reaction) and allowing the solution to remain upon the coating until it dries.

2,200,616
DISPLAY DEVICE
Carey Claude Cloud, Chicago, Ill.
Application March 22, 1939, Serial No. 263,325
5 Claims. (Cl. 40—4)



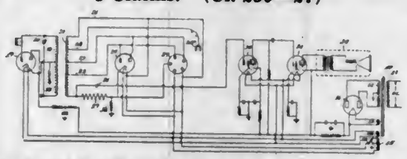
4. A display device formed from a blank having a slit and lateral scores in alignment with each other extending from the ends of the slit to the edges of the blank, said slit and lateral scores forming upper and lower portions, diagonal scores extending from the ends of the slit to the edges of the blank adjacent to the lower corners of the lower portion forming substantially triangular portions, said triangular portions folded inwardly on said diagonal scores so that the faces of said triangular portions lie against the face of said lower portion, said upper portion folded inwardly on the lateral scores so that the back of said upper portion lies against the backs of said triangular portions, said slit spread to a substantially circular opening, and said blank so folded forming a frusto-conical shape around said slit.

2,200,617
ANIMAL TRAP
Melvin R. Clover, Ventura, Calif.
Application July 10, 1939, Serial No. 283,609
4 Claims. (Cl. 43—87)



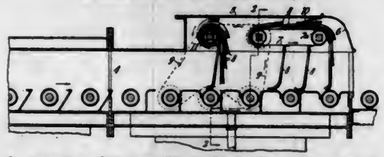
1. An animal trap comprising a substantially flat base member having a hollow boss rising therefrom, said boss being substantially smaller laterally than said base member, a noose adapted to encircle said boss, means for contracting said noose, including a spring adapted to be set, and a trigger for releasing the spring, said trigger being positioned in said boss.

2,200,618
TUBE TESTING DEVICE
Walton De Verter, Chicago, Ill., assignor of one-third to Samuel L. Brenner, Chicago, Ill.
Application June 23, 1937, Serial No. 149,833
8 Claims. (Cl. 250—27)



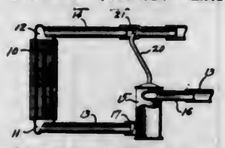
1. A tube testing device for a tube having a plurality of electrodes including a cathode, said device comprising a high frequency oscillator, a testing circuit including an element coupled to said oscillator for energization thereby, said testing circuit also including means for connecting the cathode of the tube to be tested in series circuit relation with another electrode of said tube across said element so as to rectify the high frequency current flowing in said series circuit, a resistance connected in said series circuit whereby the rectified current in said series circuit causes a voltage drop across said resistance the value of which is caused to fluctuate by defects in said tube, and means for sensibly identifying fluctuations in the value of said voltage.

2,200,619
MEANS FOR SEALING THE CHARGING AND DISCHARGING APERTURES OF CONTINUOUS OR INTERMITTENT FURNACES
John Fallon, Smethwick, near Birmingham, England
Application May 12, 1939, Serial No. 273,242
In Great Britain July 12, 1938
6 Claims. (Cl. 263—6)



1. A means for sealing the charging and discharging apertures of furnaces comprising a plurality of flexible curtains suspended across the furnace chamber from a traversable member mounted in the upper part of the furnace chamber, said member being arranged to travel at or substantially at the same speed as that of the goods traversing the furnace.

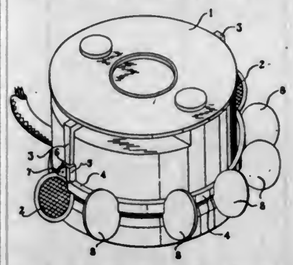
2,200,620
HEAT EXCHANGER
Howard J. Findley, Euclid, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 12, 1938, Serial No. 207,478
5 Claims. (Cl. 237—12.3)



2. The combination with a hot water heat-exchange core having a header tank at either end thereof with which a supply and discharge pipe

are connected, respectively, of an air separating means comprising a tank having a tangentially arranged inlet and outlet in communication with the upper and lower portions thereof, respectively, said air separating tank member adapted to be connected in series with said heat-exchange core supply pipe, and a relatively small air bypass tube extending from the upper portion of said air separating tank and in communication with the said heat exchange core discharge pipe substantially on the axis thereof and facing in the direction of fluid flow.

2,200,621
DENTAL CONTROLLER
Albert W. Hiller, Fort Worth, Tex.
Application September 6, 1939, Serial No. 293,604
3 Claims. (Cl. 74—562)



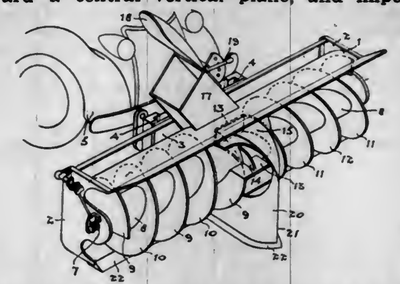
1. In combination with a dental controller, having controller arms and pedals, a semi-circular bar for attachment with the said arms and pedals, vertically disposed pedals projecting outwardly from the said bar, the last named pedals being positioned at intervals with respect to each other.

2,200,622
DEINKING OF PRINTED PAPER
Pierre R. Hines, Portland, Oreg.
No Drawing. Application August 19, 1936, Serial No. 96,819
1 Claim. (Cl. 92—13)

In the process of deinking printed paper comprising leaching of the stock with an alkaline liquor having strength equivalent to 2–4% caustic soda and a ratio of 12–15 parts of water by weight to one part of air-dried paper treated, and removal of the freed ink particles by froth flotation, the improvement which comprises preventing the dispersion of the ink particles due to the presence of soaps, soluble, insoluble, unstable and stable, by limiting the leaching to a period less than 30 minutes, thereby restraining the forming of stable soaps, removing only the soluble soaps by filtering and washing, limiting the washing to less than forty-five minutes, and precipitating and flocculating both these soaps and ink particles, the unstable insoluble soaps, by the addition of burnt lime prior to the separation of the ink particles from the other paper constituents by the froth flotation step.

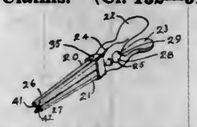
2,200,623
SNOW EXCAVATOR
Norman L. James, Ingersoll, Ontario, Canada
Application September 22, 1938, Serial No. 231,126
4 Claims. (Cl. 37—43)

1. A snow excavator comprising a part cylindrical casing having a discharge orifice, and a single revolving member arranged in said casing having in combination left-hand and right-hand helical blades projecting from the casing to engage and cut the snow and to carry same toward a central vertical plane, and impeller



blades extending from the adjacent ends of said left and right-hand helical blades to overlap in said central plane and eject the snow through said discharge orifice.

2,200,624
HAIR CLIP AND CURLER
Frances M. Jones, Burlington, Iowa
Application March 3, 1938, Serial No. 193,667
3 Claims. (Cl. 132—31)

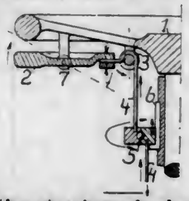


1. A hair curler comprising a pair of clamping arms of like size and shape and each shaped at one end to define a hand grip, and shaped at a position adjacent said hand grip to define on each an integral bearing, said arms shaped throughout the balance of their length each to define a V form of each finger adapted to clamp together throughout the greater portion of their length with the adjacent fingers, said curler fingers having their outer edges provided with integral means for more effectively shaping and protecting hair being curled thereon, a floating rivet provided with terminal flanges and resiliently engaged on opposite sides by said clamping arm bearings and a relatively small strong rubber band encompassing said clamping arms of the curler forward of the bearing position thereof, said rubber band exerting a resilient pressure of said bearings of the clamping arms from opposite sides against said rivet and exerting said resilient inward pressure likewise against said curler fingers on one side of said floating rivet in a manner substantially clamping them together approximately throughout their contacting ends along the inner edge of said V shape of the curler fingers.

2,200,625
STEERING WHEEL BRAKE
Josef Koppel, Westwood, N. J.
Application August 29, 1938, Serial No. 227,359
3 Claims. (Cl. 74—487)

1. In combination with a steering column, a steering wheel and a wheel brake, a device for actuating the brake comprising, an anti-friction bearing member having an inner section and an outer section, said inner section being non-rotatably mounted about the steering column for movement therealong, said outer section being rotatably carried by said inner section for movement therewith, a manually operable lever pivotally connected intermediate its ends to the

steering wheel and movable with the latter with respect to the steering column, means interconnecting said outer section and an end of said lever for moving said sections as a unit along the steering column in accordance with the pivotal movement of said lever and for rotatably moving said outer section relatively to said inner section in accordance with the unitary rotatable



movement of the steering wheel and said lever, guide means for said first means and carried by the wheel between said outer section and the pivotal connection between said lever and the wheel, and means interconnecting said inner section and the brake for controlling the latter in accordance with the unitary movement of said sections along the steering column.

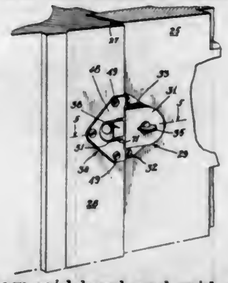
2,200,626
GRIP FOR GOLF CLUBS OR THE LIKE
Elver B. Lamkin, Chicago, Ill.
Application April 17, 1939, Serial No. 268,228
16 Claims. (Cl. 273—81)



1. A grip for the handle of a golf club, racket, or the like, comprising a strip of leather spirally wrapped about and adhered to the handle with its edges abutting and having a longitudinally extending medially outward bead formed therein, a sinuous filler for the bead at the back side of the strip and stitching extending along both edges of the base of the bead with its threads concatenated at the back of the strip and beneath the filler.

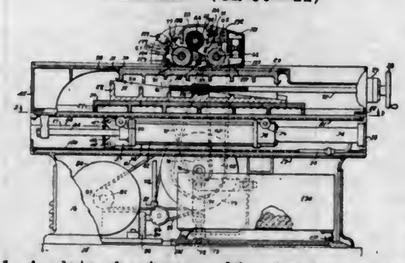
2,200,627
SAFETY DOOR CHECK CONSTRUCTION
Maurice A. Levy and Clarence E. Smith, Chicago, Ill.; said Smith assignor to said Levy
Application April 8, 1938, Serial No. 200,859
22 Claims. (Cl. 292—262)

1. A door check construction comprising, in combination, a keeper assembly including elongated check means adapted to project coaxially into an annular door jamb bore of substantial depth having its mouth adjacent to the vertical swinging edge of a door and opening in the direction of the opening movement of the door, a keeper body adapted to be secured fixedly over the mouth of the jamb bore and having an aperture therein to permit said check means to reciprocate longitudinally therethrough, means for limiting the outward movement of said check means, a head on the outer end of said check means cradled by said keeper body when said check means is in its retracted position, means adapted to be mounted upon the door for interengagement with said head in the closed position of the door and effective when the door is



opened to draw said head and said check means outwardly, means for locking said door mounted means and said head against separation, means inaccessibly located interiorly of said head operable automatically as an incident to the opening movement of the door for driving said locking means into locking position and also automatically operable to release said locking means when the door is returned to closed position, and manually engageable means for releasing said door mounted means from said head only when the door is closed, whereby to permit subsequent unchecked opening of the door.

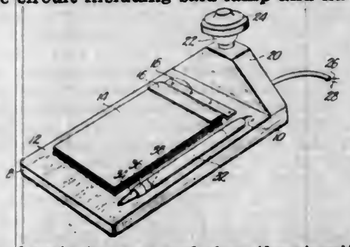
2,200,628
PLATE SHAVING MACHINE
William J. Lofstedt, Portland, Oreg.
Application October 4, 1938, Serial No. 233,267
7 Claims. (Cl. 90—11)



1. A plate shaving machine having in combination a vertically adjustable table having side and end stops thereon, means for moving said table horizontally, a finishing cutter disposed above said table, a roughing cutter adjustably disposed above said table and means for varying the relative vertical positions of said cutters.

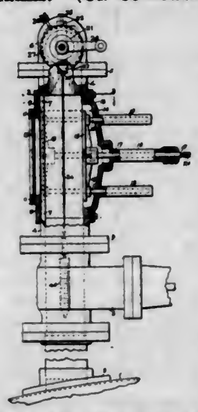
2,200,629
ILLUMINATED AUTOMATIC PAD AND PENCIL HOLDER
Fred T. Louis, Kansas City, Mo., assignor of one-half to Garrett H. Trembly, Kansas City, Mo.
Application August 8, 1938, Serial No. 223,731
1 Claim. (Cl. 240—2)

A pad and pencil holder of the character described comprising a base having a substantially horizontal pad supporting face and provided with a groove extending inwardly from the face; a bracket extending upwardly from the face of the base at one end thereof; an electric lamp mounted on the bracket to illuminate a pad supported on the face of the base; a plunger movably mounted on the base and projecting upwardly into the groove; a pencil having a tapered end removably positioned in the groove and adapted to hold the plunger in a depressed position; a retainer on the base adjacent to the plunger, bridging the groove to maintain the pencil therein; an electric circuit including said lamp and having a



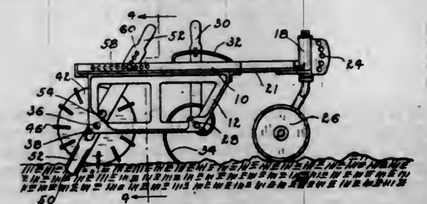
switch therein to open and close the circuit; and resilient means for projecting the plunger outwardly into the groove when the pencil is removed from the latter, said plunger having connection with the switch to operate the same and adapted to close the switch when the pencil is removed from the groove and to open the switch when the pencil is in the groove, depressing the plunger, said retainer being near one end of the groove and having a tapered portion to engage the tapered end of the pencil whereby to force the pencil downwardly against the plunger as the pencil is moved longitudinally beneath the retainer.

2,200,630
PRESSURE TANK GAUGE AND SAMPLING DEVICE
Joseph Hunter McCabe, Maplewood, N. J.
Application December 12, 1938, Serial No. 245,124
2 Claims. (Cl. 33—126.7)



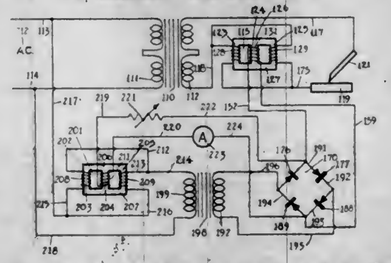
1. Tank gauging and sampling devices associated with openings in tank tops, comprising a casing positioned above an opening, reel supported at the upper end of the casing and enclosed thereby, means for manipulating the reel from the outside, the casing having openings on opposite faces, a composite door over one opening, a suitable cover over the other opening, a tape line on the reel suspended in spaced apart relation to both openings, means within the second opening adapted to be moved transversely of the casing adapted to shift the tape line for observation into close proximity to the composite door opening.

2,200,631
SOIL CONDITIONER
Max C. Merlich, Poulsbo, Wash.
Application March 16, 1939, Serial No. 262,241
5 Claims. (Cl. 97—52)



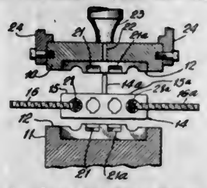
1. In an agricultural implement, the combination with a main frame and lower side frames, and a rotatably adjustable spring-tooth harrow mounted in the side frames, of an axle mounted in the rear ends of the side frames, a rotary clod-cutter having a tubular shaft journaled on the axle between the side frames, a sub-soil drag-cutter having slotted side arms mounted on the axle and a cutting-blade beneath the rotary cutter, means co-acting with the slotted side arms and main frame for retaining the drag-cutter in vertical adjusted position, and means for adjusting the drag-cutter on the axle as a center toward the front or rear of the rotary cutter.

2,200,632
ARC WELDING SYSTEM
Henry L. Mills, Minneapolis, Minn., assignor to Guy L. Pugh, Minneapolis, Minn.
Application October 11, 1937, Serial No. 168,411
2 Claims. (Cl. 171—119)



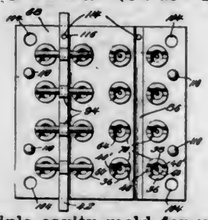
1. In an arc welding system, a transformer having a primary winding and a secondary winding, a reactance having a core formed with three legs, windings on the outer legs of the core connected in parallel with one another and in series with one of said transformer windings, another winding on the intermediate leg of the core, a rectifier connected to said last named reactor winding, a second transformer having a primary winding and a secondary winding, said secondary winding being connected to said rectifier, another reactance having a core with three legs, windings on the outer legs of said core connected to one of the windings of the second named transformer, a winding on the intermediate leg connected to said rectifier and means for varying the current flowing through the last named winding of the second named reactance.

2,200,633
METHOD OF DIE CASTING SEPARABLE FASTENERS
Louis H. Morin and Davis Marinsky, Bronx, N. Y., assignors to Whitehall Patents Corporation, Bronx, N. Y., a corporation of New York
Application March 17, 1938, Serial No. 196,353
4 Claims. (Cl. 18—59)



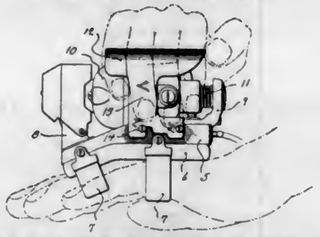
4. The herein described method of forming die castings of the character described, which consists in arranging portions of two spaced mounting strands between adjacent surfaces of relatively movable dies having a single cavity therein with said portions of the strands arranged in said cavity in spaced relation to each other, pressure feeding casting material into said cavity of the dies while holding said dies in firm engagement with each other to form a unitary cast body in said cavity and upon that part of the strands arranged in the cavities and intermediate said strands, then removing the casting from the dies, and then severing the unitary cast body intermediate said strands to form independent castings one arranged upon each of said strands.

2,200,634
APPARATUS FOR MOLDING PLASTIC OBJECTS OF IRREGULAR SHAPE
Charles H. O'Koomian, Providence, R. I.
Application January 12, 1937, Serial No. 120,235
8 Claims. (Cl. 18—42)



1. A multiple cavity mold for use in the gang manufacture of spherical valves and other objects of irregular contour, comprising a bottom multiple follower plate having aligned followers projecting vertically upwardly therefrom, each having a substantially hemi-spherical molding cavity therein, and semi-cylindrical pin groove means in the upper surface thereof diametrically of said cavity, a relatively movable loading plate having an equal number of similarly located loading holes containing said followers in the lower portion thereof, said follower plate having on the upper surface thereof and said loading plate having on the lower surface thereof adjacent said respective aligned followers and holes complemental rectangular channels extending horizontally thereof, said loading plate channel having rectangular registering depressions therein opposite said respective follower grooves, and branch semi-cylindrical channels projecting therefrom to each respective follower groove, a relatively movable pin rod comprising a substantially rectangular shank contained within said channels of and hence between said follower plate and loading plate and having rectangular registering and sealing lugs projecting upwardly therefrom to fit into said rectangular registering depressions and cylindrical pin means branching therefrom fitting within said semi-cylindrical branch channels in said loading plate and extending through said follower grooves and into said cavities, each having a rectangular sealing lug projecting downwardly from substantially the lower semi-circumference thereof terminating in a concave outer end abutting said lower follower wall and a relatively movable top multiple follower plate having similar aligned followers projecting vertically downwardly therefrom through said cooperative loading plate holes in contact with said lower followers, each having a similar cooperating substantially hemispherical molding cavity therein and semi-cylindrical groove means in the lower surface thereof diametrically of said cavity for receiving said pin means and cooperating means on said plates and rod to keep the respective cavities in alignment during the pressing operation, said cavities in the ends of said upper and lower followers each having dimple forming projections located centrally thereof to permit the vertical withdrawal of molded valves or objects therefrom and similarly aligned hemi-turning lug or other similar projection forming cavities, each having convex side walls projecting therefrom in the abutting follower surfaces thereof.

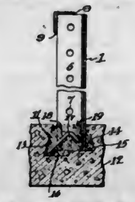
2,200,635
VIBRATOR
John Oster, Racine, Wis., assignor to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application August 14, 1939, Serial No. 290,111
2 Claims. (Cl. 128—36)



1. In a vibrator adapted to be worn on one hand: a base; an electric motor; means for mounting the motor on the base including an eccentric connected between one end of the motor shaft and the base so that the motor moves bodily with respect to the base to produce vibration when the motor is in operation; a rigid applicator having supporting arms and a medial portion of substantial area; and means rigidly securing the arms to the base so that the applicator partakes of any vibration imparted to the base, said arms being long enough and spaced apart enough so that no portion of the applicator touches the motor, and said medial portion providing a hand rest upon which an operator may apply pressure with his free hand or through which vibrations may be directly transmitted to the body of a patient upon inversion of the vibrator.

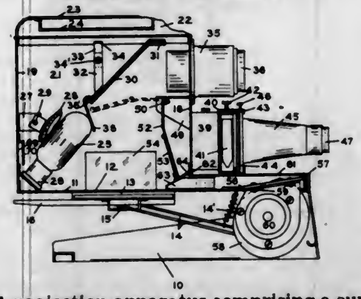
2,200,636
METAL WALL BUILDING CONSTRUCTION
George Vincent Palmer, Los Angeles, Calif., assignor, by mesne assignments, to Roy Lacy, Los Angeles, Calif.
Application April 13, 1936, Serial No. 74,116
9 Claims. (Cl. 189—1)

1. A metal wall building construction comprising a plurality of vertically extending preformed metal wall elements disposed in contiguous alined relationship to form a wall, and a masonry member extending along the lower edge of said wall, the lower end portion of each of said wall elements being embedded in said masonry members,



at least one of said metal wall elements comprising one or more vertically extending hollow cells, and said invention comprising in addition, reinforcing means embedded in said masonry member and secured to one or more of said hollow cells.

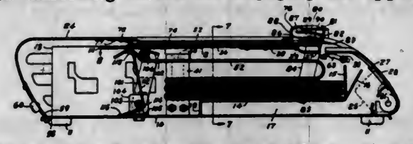
2,200,637
PROJECTOR
Willard T. Perkins and Otto E. Trautmann, Irondequoit, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 11, 1939, Serial No. 273,066
2 Claims. (Cl. 88—26)



1. A projection apparatus comprising a support, a base plate carried by said support, said plate having two spaced apertures therethrough, a blower mounted beneath said plate adjacent one aperture for blowing air through said one aperture, a conduit mounted above said one aperture for directing air from said blower toward the other aperture, means for supporting an object to be projected beneath said other aperture, a housing carried by said plate above said other aperture, a source of light within said housing for illuminating an object at said other aperture, and means carried by said housing for projecting an image of an object at said other aperture.

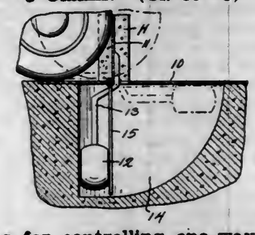
2,200,638
AUTOGRAPHIC REGISTER
William C. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application August 18, 1937, Serial No. 159,743
5 Claims. (Cl. 282—12)

1. In an autographic register having a casing for a zigzag folded record web, said register having a platen provided with a fold engaging edge over which the web may be drawn to writing position, a freely pivoted member mounted in a casing and having a rounded end extending away from the web, and spring means for urging said end into engagement with said web and toward said fold engaging edge whereby to cause said web to assume an acute angle against said edge, and web unfolding means for engaging the opposite



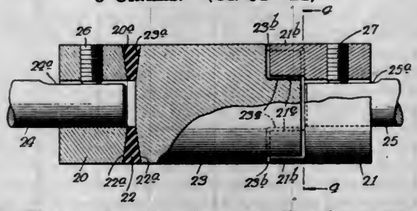
side of said web, actuating means for moving said web unfolding means to web unfolding position, and for moving said member away from said edge.

2,200,639
TRAFFIC CONTROLLING MEANS FOR PARKING LOTS AND ONE-WAY DRIVES
Charles T. Rice, Carlsbad, N. Mex.
Application May 8, 1937, Serial No. 141,526
3 Claims. (Cl. 39—5)



1. Means for controlling one-way car traffic, including a pit, a covering element extending over the pit, a barrier hingedly mounted upon the covering element immediately above said pit, means disposed within the pit and normally holding the barrier raised, the barrier when struck by a car wheel moving in one direction being swingable to a horizontal position against and supported by said covering element to permit the passage of a car over it, means preventing the barrier from swinging downward to a horizontal position when the barrier is struck by a car moving in the opposite direction, and a plate carried by the barrier and movable through said pit and constructed and arranged to retard the movement of the barrier from a horizontal position to a vertical position.

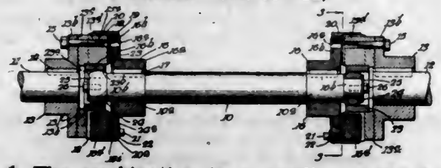
2,200,640
COUPLING
Louis Ricefield, Oak Park, Ill.
Application July 9, 1938, Serial No. 218,278
8 Claims. (Cl. 64—14)



6. The combination in a coupling for connecting two substantially aligned shafts, of a pair of coupling members, an intermediate power transmitting member, deformable connecting members each connecting said intermediate member with one of said coupling members, means for securing one of said coupling members on one of said shafts, the other coupling member having re-

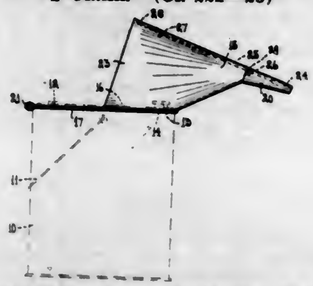
cesses therein, and a driving member adapted to be secured on the other of said shafts and having parts intermeshing with said recesses to provide a driving connection adapted to permit relative endwise movement of said shafts.

2,200,641
COUPLING
Louis Ricefield, Oak Park, Ill.
Application August 15, 1938, Serial No. 224,848
6 Claims. (Cl. 64—14)



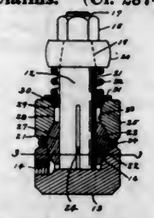
1. The combination in a coupling device for connecting two substantially aligned shafts, of an intermediate shaft of fixed length adapted to be interposed between said first named shafts, a pair of coupling members each adapted to be secured upon a separate one of said first named shafts, a second pair of coupling members each secured upon said intermediate shaft, means for forming a driving connection between each of said first named coupling members and one of said second named coupling members, and ball-and-socket means within which said intermediate shaft is supported to have free relative endwise movement with respect to said first named shafts.

2,200,642
DETACHABLE FUNNEL
Melvin O. Shell, Riverton, Iowa, assignor of one-half to Leslie Dawson, Riverton, Iowa
Application March 27, 1939, Serial No. 264,393
1 Claim. (Cl. 221—23)



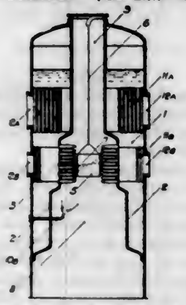
A device for use in transferring fuel from a number of like cans of liquid fuel each having an outlet port in one end thereof and into the fuel tanks of tractors comprising a funnel having a wall portion of arcuate contour in plan adapted to conform to and abut snugly against the walls of said cans adjacent said outlet ports, means for removably attaching said funnel to said cans during said transfer, said means comprising a wire secured to and extending from each side of said arcuate wall portion, said wires in conjunction with said arcuate portion being adapted to approximately encircle any of said cans of said fuel, said wires each being provided with a hook at the free ends thereof, a coiled spring provided with hooks at its ends adapted to engage the hooks of said wires, said funnel being provided with a restricted spout adapted to be inserted into said tank, whereby at times when said funnel is attached to any one of said cans adjacent the outlet port thereof and said can is tilted said fuel is adapted to be guided into said tank through said spout, and cooperative means for ascertaining the amount of fuel within said tank without removing said spout from said tank, said cooperative means comprising spaced apart, aligned guide-eyes secured to said spout and funnel, a rod disposed for sliding movements through said eyes and in approximate parallelism with said spout, said rod being provided with a float at one end thereof adjacent said spout, said float being adapted to extend into said tank at times when said can is in said tilted position, said rod being adapted to adjust itself with respect to said spout as governed by the depth of fuel within said tank for indicating said depth.

2,200,643
SELF-ADJUSTING SAFETY BALL-SLEEVE JOINT
Chesley Ernest Smith, Amherst, Nova Scotia, Canada
Application December 5, 1938, Serial No. 244,059
3 Claims. (Cl. 287—90)



1. A ball and socket joint comprising, a stud having a cylindrical bearing surface and an enlarged head, said head provided with an annular groove surrounding the cylindrical bearing surface, the outer wall of said groove forming a part spherical seat, a ball-sleeve rotatably mounted on the cylindrical surface of the stud and having a portion of its outer spherical surface seated in the part spherical seat in the stud head, a housing having a part spherical surface engaging a portion of the ball-sleeve and tiltable and rotatable in relation thereto and exterior means for holding all the respective bearing elements into close co-operation at all times during the use of the joint.

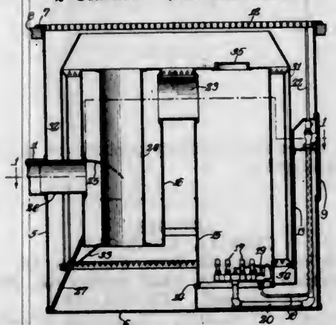
2,200,644
STEAM GENERATOR OR WATER HEATER
Edward Frank Spanner, Blackheath, London, England
Application July 19, 1938, Serial No. 220,093
9 Claims. (Cl. 122—173)



1. An improved steam generator or water

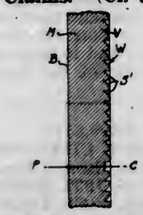
heater of vertical type comprising an annular water and steam space surrounding a cylindrical furnace plate surmounted by a cylindrical tube plate, the tube plate having expanded into it inwardly projecting thimble tubes, a heat-resisting core hung axially along the centre line of the tube nest, and two or more sets of plain spiralled directional plates arranged between the tubes in the tube nest.

2,200,645
FLOOR FURNACE
Benjamin F. Stephens, Tulsa, Okla.
Application March 1, 1939, Serial No. 259,140
2 Claims. (Cl. 126—116)



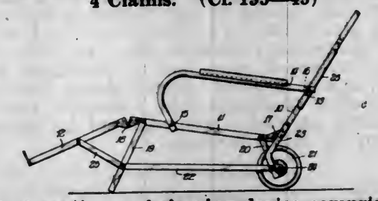
1. A floor furnace comprising a casing having vertical side walls and a closed bottom, one of said walls being provided remote from the bottom with an air supply opening, a conduit extending from said opening downwardly within the casing and inwardly along said bottom and provided with an opening through which air is delivered upwardly from the conduit, a seat provided with sealing material surrounding said opening, a combustion chamber supported upon said seat, means for detachably locking said chamber to said seat, burners located in said combustion chamber, fuel supply pipes extending through said conduit and connected with said burners, a heat radiating element connected with said combustion chamber, said chamber and element being removable from the casing as a unit without disconnecting the fuel supply pipes located in said conduit.

2,200,646
TRANSPARENT PROJECTION SCREEN
John D. Strong and Roger Hayward, Pasadena, Calif.
Application February 28, 1938, Serial No. 193,057
4 Claims. (Cl. 88—24)



1. A transmissive optical element adapted to receive light from a substantially point source at the rear and to be viewed from the front along an optical axis passing substantially through the source and viewing point, said optical element having two substantially parallel faces, and having on one face a multiplicity of separated refractive formations grouped symmetrically and substantially concentrically about the optical axis, said formations being identic, and each said formation being in the form of a recess having a wall at the recess side further from the optical axis, which said wall is substantially parallel to a ray of light passing near it through the medium of the optical element, and having a transparent wall surface at the recess side nearer the optical axis, which said wall surface is curved in a plane determined by the optical axis, said surface having a varying radius of curvature, said radius of curvature increasing with increasing angularity of the wall surface to the face of the optical element.

2,200,647
CONVERTIBLE CHAISE COT-BED
Henry Vanderploeg, Chicago, Ill., assignor to Haggard and Marcusson Company, Chicago, Ill., a corporation of Illinois
Application August 11, 1939, Serial No. 289,564
4 Claims. (Cl. 155—45)



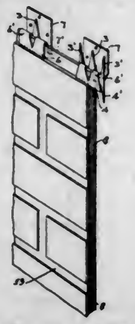
1. A seating and sleeping device comprising in combination a back section, a seat section and a leg section, respective sections being joined by hinges, supporting members pivotally connected to the opposite ends of the seat section, the members at the respective ends diverging from each other when the structure is in seating relation, a link connecting the supporting members, a link connecting the back to the adjacent supporting member, a link connecting the leg section to the adjacent supporting member and means for locking the back in seating relation, the arrangement being such that upon lowering the back the adjacent supporting member is moved toward a vertical position to raise the rear of the seat section and the forward supporting member is moved to a more inclined position, thus raising the leg section through the connecting link and lowering the forward end of the seat section.

2,200,648
FOUNTAIN PEN
Maurice J. Waldinger, Flushing, N. Y.
Application July 13, 1939, Serial No. 284,237
4 Claims. (Cl. 120—42)



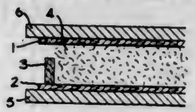
1. A fountain pen comprising a barrel and a pen-section connected therewith at its front end in separable relation, a receptacle for inksticks made in the form of a cylinder and having an unobstructed tubular passage extending therethru, and formed to provide a longitudinally extending chamber the outer side of which is closed by the inner wall of the barrel and an end of which is open adjacent the inner end of the pen-section and exposed to view upon the removal thereof from the barrel.

2,200,649
ANCHORING CLIP FOR ARTIFICIAL BRICK SIDING AND THE LIKE
James B. Wardle, Toronto, Ontario, Canada
Application April 7, 1939, Serial No. 266,501
7 Claims. (Cl. 20—5)



1. A fastening clip for artificial brick siding and the like, having in combination a fastening lug for attachment to a building structure, a lug offset substantially parallel from said fastening lug to overlap an outer face of the siding, and prong means disposed intermediately between and integral therewith said respective lugs in substantial parallel relation thereto for embedment in the siding material.

2,200,650
COMPOSITE BOARD
Arthur R. Welch, Hoquiam, Wash.
Application April 10, 1937, Serial No. 136,208
4 Claims. (Cl. 154—2)



1. A process for manufacturing composite boards or the like which comprises mixing in a dry state discrete wood particles or the like with a resin binder, placing in a mold, as a first layer, a sheet of plywood or the like, next placing spacer strips of wood substantially at the margins of the first layer, adding as a second layer, and within the spacer strips, said mixture of wood particles and binder, covering the second layer and marginal strips with a sheet of plyboard and then applying heat and pressure to the mass, in the mold, for a time and to a degree necessary to aggregate the same into a solidified sheet or composite board.

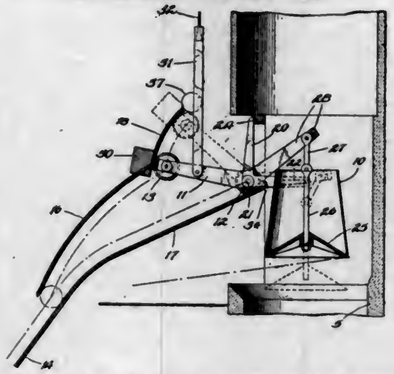
2,200,651
SELF-STRIKING FISHING LEADER
Leon E. Welch, Detroit, Mich.
Application September 13, 1939, Serial No. 294,619
5 Claims. (Cl. 43—15)

1. A fishing leader comprising a length attachable to a fish line, and a separate hook-carrying length, both substantially inextensible, a catch comprising interengageable elements respectively carried by the respective lengths and adapted to secure such lengths in a substantially side by side relation, said catch being releasable responsive to a predetermined pull, the hook-carrying length being slidable along the other length upon release of the catch, to form an extension of the other length, an abutment fixed on one of said lengths, and means on the other length for engaging such abutment to definitely estab-



lish the extension-forming position of the hook-carrying length.

2,200,652
CUPOLA CHARGER
John N. Richardson, Chicago, Ill.
Application July 10, 1936, Serial No. 90,019
12 Claims. (Cl. 214—19)

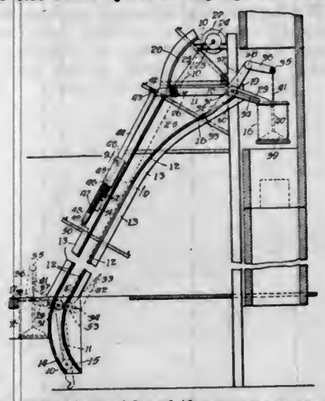


1. A furnace charger comprising a runway, a carriage movable on the runway open at the center and a charging bucket with means pivoting it to swing at one end of the carriage and through the carriage, a drop bottom for the bucket and means on the carriage to support it at the bottom of the bucket, means to engage the bucket pivoting means in its discharge location, and means to move the carriage relative to the bucket in the discharge position swinging the bucket through the carriage and lowering the bottom to discharge the contents of the bucket.

2,200,653
FURNACE CHARGER
John N. Richardson, Chicago, Ill.
Application April 26, 1937, Serial No. 139,037
15 Claims. (Cl. 214—20)

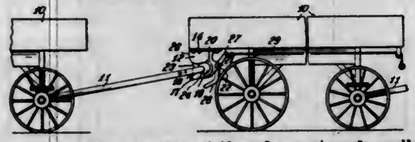
1. A furnace charger comprising an inclined runway, a wheeled carriage movable on the runway, a bottom discharge bucket and pivotally supporting means for the bucket and the bottom discharge at one end of the carriage, the runway having curved portions at the top and bottom for

swinging the carriage to support the bucket in upright position in front of the runway and through the runway to an upright charging po-



sition at the other side of the runway, and means for operating the bucket discharge by a swinging movement of the carriage.

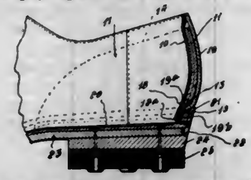
2,200,654
COUPLING DEVICE
David A. Ruhl, Chicago, Ill.
Application March 27, 1939, Serial No. 264,375
4 Claims. (Cl. 280—33.15)



1. A coupling device of the character described comprising a hollow main body open at the bottom and at the inner end, said end of the main body having a downward projection curving toward the opposite closed end of the main body and spaced beneath the open bottom of said body, the bottom of said body and its curving projection defining a bail or ring receiving socket adapted to take the pushing thrusts of a coupled vehicle, said projection terminating in an upwardly inclining immovable jaw adapted to receive the pulling strains; a gravity actuated jaw member arranged in said recess and pivotally connected at one end to said main body adjacent said projection to swing upwardly within the recess, while the free end of said jaw member curves downwardly through the open bottom of said recess into contact with the upper part of the inclining immovable jaw, the pivotal relation between said gravity actuated jaw member and the main body being such that the movable jaw member will move into contact with the end wall of the main body when subjected to pulling strains; and means associated with the pivoted end of said gravity actuated jaw member for tilting the latter upwardly into uncoupling position.

2,200,655
COUNTER CONSTRUCTION FOR STITCH-DOWN SHOES
John Ruszczyk, Norwich, Conn.
Application November 27, 1939, Serial No. 306,400
3 Claims. (Cl. 36—16)

1. In a counter construction for stitch-down shoes, a counter of two-ply formation and an outwardly directed flange on the lower margin of the inner ply spaced below the lower edge of



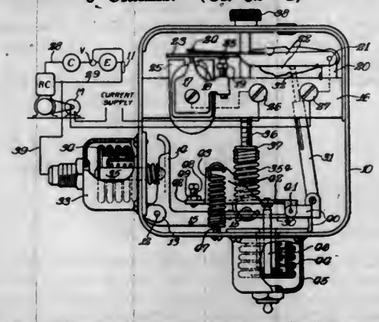
the outer ply to form a groove at the inner upper side of the flange for the reception of the lower margin of the leather of the shoe upper and the welt strip.

2,200,656
COILING OF CONTINUOUS STRIP METAL
Frederick K. Schefe, Gary, Ind.
Application July 15, 1938, Serial No. 219,452
4 Claims. (Cl. 242—80)



1. Means for coiling continuous strip metal including, in combination, means for continuously supplying the strip, a plurality of reels for receiving the strip, a retractable endless conveyer belt disposed around each of said reels, means for directing the strip to position between one of the reels and its respective endless conveyer belt, said endless conveyer belt being adapted to direct the strip around said reel so as to coil a portion of the same thereon, and means for alternately cutting and directing the uncoiled portion of the strip successively to position between another of said reels and its respective endless conveyer belt so as to coil the desired amount of strip material successively on each of them.

2,200,657
REFRIGERANT COMPRESSOR CONTROL
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application November 3, 1938, Serial No. 238,613
6 Claims. (Cl. 62—4)



1. A refrigerant compressor control comprising switch mechanism in circuit with a refrigerant compressor motor, means responsive to pressure in the low side of a refrigerant system for normally actuating said control between predetermined cut-in and cut-out positions and means to

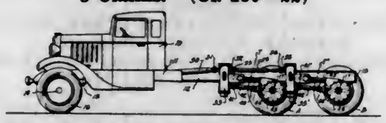
modify the action of said first means comprising means responding to ambient temperature and coacting with said first means to permit normal operation thereof upon ambient temperature above a predetermined degree affecting said means responsive to temperature; to lower the cut-out pressure thereof upon ambient temperature approaching said predetermined degree and to lower the cut-in and cut-out pressures thereof upon ambient temperature dropping below said predetermined degree.

2,200,658

POWER TRANSMITTING MECHANISM FOR MOTOR VEHICLES

Clarence S. Singleton, Longview, Tex.

Application June 23, 1938, Serial No. 215,378
5 Claims. (Cl. 180—22)



1. The combination with a motor vehicle having a pair of rear axles with ground wheels mounted thereon and also having a drive shaft, of a power transmitting mechanism including, a gear box having an upper shaft and a lower shaft which shafts are drivingly connected to each other, universal means for connecting the upper shaft with the vehicle drive shaft whereby the shafts are driven thereby, a shaft for connecting the lower shaft of the gear box with the differential of the first rear axle whereby said axle is rotated, the connecting shaft having a universal joint at each end thereof, whereby said differential may undergo a universal movement, a second gear box having upper and lower shafts which are drivingly connected to each other, universal means for connecting the upper shafts of the boxes together, and a shaft for connecting the lower shaft of the second gear box with the differential of the second axle, whereby both axles are driven by the vehicle drive shaft, the last-named connecting shaft having universal joints at each end thereof, whereby the last-named differential may undergo universal movement without breaking the driving connection between said differential and the second gear box.

2,200,659

VEHICLE WHEEL BRAKE CONTROL

Theodore A. Stehlin, San Diego, Calif., assignor to T. Clifford Melim, Honolulu, Territory of Hawaii

Application October 5, 1936, Serial No. 104,071
12 Claims. (Cl. 188—3)



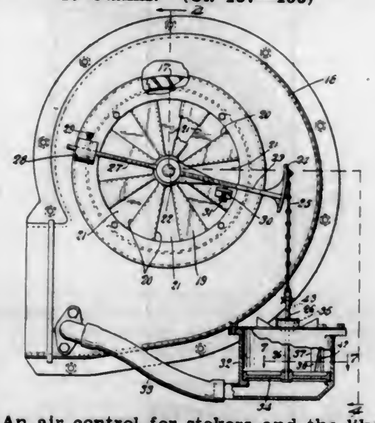
1. In a brake apparatus for connected vehicles, a source of fluid pressure on the leading vehicle, wheel brakes on each vehicle, a manual pressure equalizer control valve connected to the fluid pressure source, and an automatic preselector valve between the control valve and the brakes of the vehicles for selectively connecting the source of fluid pressure to the brakes of the several vehicles in predetermined order when the control valve is operated.

2,200,660

AIR CONTROL FOR STOKERS AND THE LIKE

Robert W. Suman and Edward Walter Schmidt, Chicago, Ill., assignors to Link-Belt Company, Chicago, Ill., a corporation of Illinois

Application March 31, 1938, Serial No. 199,132
10 Claims. (Cl. 137—153)



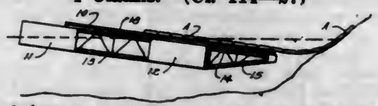
1. An air control for stokers and the like including in combination, an air box, a piston mounted for reciprocation therein and in contact throughout its entire periphery with the walls thereof, means for supplying motive fluid under pressure to one side of the piston to move it in one direction and yielding means tending to move it in the opposite direction, a control port through which the motive fluid escapes from the box, located in the wall thereof and extending throughout substantially the entire range of piston movement, the port being so shaped that piston movement effects an irregular change in the effective area of the port and a power transmission member operated by the piston and adapted to transmit power to the unit upon which the control is applied.

2,200,661

BARGE

John B. Templeton, Dallas, Tex.

Application April 11, 1938, Serial No. 201,309
4 Claims. (Cl. 114—27)



1. A barge for laying revetment mats including, spaced pontoons, longitudinal members connecting the pontoons together, and a relatively flat deck supported by the pontoons and members for accommodating the formation of a revetment mat, the deck and members being made in removable sections of equal length, whereby the barge may be decreased in length by removing deck and member sections to accommodate the formation of a short mat and may be increased in length by inserting additional sections to accommodate the formation of a longer mat.

2,200,662

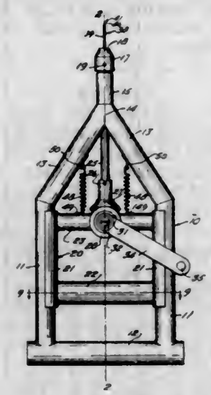
RIVETING TOOL

Columbus Forrest Welch, Hialeah, Fla.

Application June 20, 1939, Serial No. 280,162
8 Claims. (Cl. 218—19)

1. A main frame, a sliding frame slidably

mounted on the main frame to move forwardly and backwardly thereon, a shaft journalled in said frame and slideable longitudinally of the main frame, a guide at the forward end of the



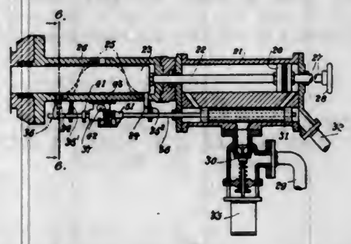
main frame, means to rotate said shaft about an axis fixed in respect to said frame, an abutment member fixed on the main frame, and a riveting member carried by said shaft to oppose said abutment member and revoluble with said shaft.

2,200,663

SOOT BLOWER

Allan Murray Wilson, Clydebank, Scotland

Application December 1, 1937, Serial No. 177,415
In Great Britain June 6, 1936
8 Claims. (Cl. 122—392)



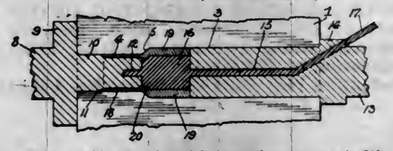
1. A soot blower comprising a casing, a cleaning-fluid ejector movable in said casing, a power-imparting assembly including a power unit operatively connected to the ejector and operable by a driving medium supplied to said assembly, said unit being axially movable under the action of said medium with to-and-fro strokes to impart axial to-and-fro movement to the ejector, means for superimposing on the ejector's axial movement a turning movement, means controlling the supply of driving medium to said assembly, direction-controlling means for reversing the direction in which the driving medium is applied in said assembly to said power unit so as to cause reversal of the movement thereof, means actuating said direction-controlling means about the end of each stroke of the power unit in order to reverse the movement of the power unit, and means actuated by repeated movements of the power unit and adapted to cause said supply-controlling means to cut-off the supply of driving medium following performance of a predetermined plurality of strokes by the power unit.

2,200,664

METHOD OF FORMING HOLLOW METAL MEMBERS

Alfred C. Arbogast, Elkhart, Ind., assignor to Northern Indiana Brass Company, Elkhart, Ind., a corporation

Application October 22, 1937, Serial No. 170,415
2 Claims. (Cl. 29—157)



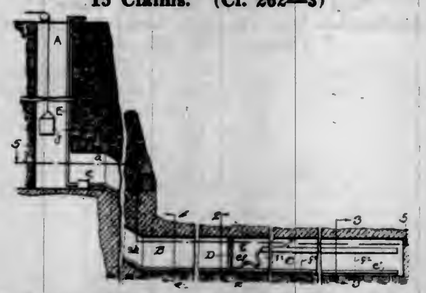
1. The method of cold forming a metallic hollow article having walls of varying thickness, which includes forming a tubular member, positioning said member in a zone of compression, providing a rigid limiting support for the exterior of said member, positioning in a portion of the interior of said member a supporting body of a material more extrudable than the material of which the tubular member is formed, rigidly supporting a portion of said tubular member from within, whereby no change within the thickness of said supported portion is possible, subjecting the opposite ends of said tubular member while cold to endwise pressure and simultaneously subjecting said supporting body to pressure, and thereby substantially shortening and uniformly thickening that portion of the tubular member which is supported by said supporting body while holding it against lateral expansion and, in the course of the subjection of said tubular member and supporting body to such pressure, removing by extrusion a portion of said extrudable supporting body, and controlling said extrusion in such fashion as to maintain at all times a predetermined and adequate support to and pressure against a portion of the interior of said tubular member, while permitting endwise shortening and simultaneous thickening of the portion of said tubular member supported by said supporting body.

2,200,665

PRODUCTION OF SALT BRINE

Frank L. Bolton, Cayuga Heights, N. Y.

Application February 23, 1939, Serial No. 258,046
15 Claims. (Cl. 262—3)



1. The method of producing brine of substantially uniform saturation consisting of establishing a substantially horizontal tunnel in a salt bed, dividing the tunnel into dissolution and sedimentation chambers communicating with each other at the bottom zones thereof for the delivery of brine of maximum saturation from the dissolution chamber to the sedimentation chamber for curing and withdrawal, and delivering water along the length of the dissolution cham-

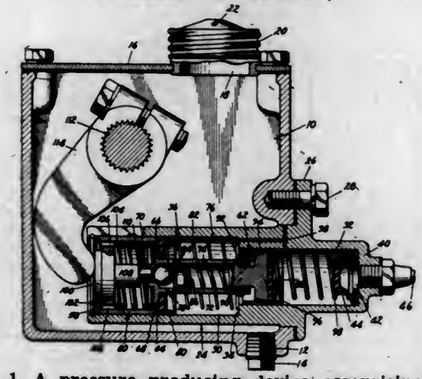
ber and withdrawing cured brine from the sedimentation chamber at rates to maintain maximum saturation of the bottom stratum of brine in the dissolution chamber and to control the level of the content in the dissolution chamber.

2,200,666

FLUID PRESSURE PRODUCING DEVICE

Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application May 13, 1937, Serial No. 142,341
6 Claims. (Cl. 60—54.6)



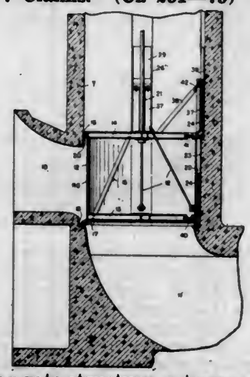
1. A pressure producing device comprising a low and a high pressure producing means operative concomitantly, means operative at a predetermined pressure in both pressure producing means to relieve the pressure in the low pressure producing means, means operative upon relief of pressure in the low pressure producing means to retain the pressure in the high pressure producing means, the pressure on the fluid in the low pressure producing means coacting with the relief means for resisting relief of pressure, and means operative at a higher pressure in both pressure producing means to yieldingly oppose relief of pressure in the low pressure producing means.

2,200,667

RING GATE STRUCTURE

Paul J. Cannell, Hastings, Nebr.

Application May 10, 1937, Serial No. 141,780
7 Claims. (Cl. 251—75)



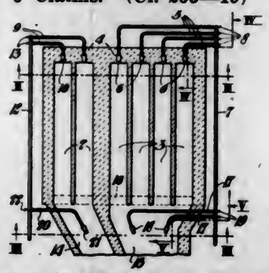
1. In a ring gate structure, a tower, a ring gate telescopically movable relative thereto and means for mounting said ring gate relative to said tower comprising pairs of tracks carried by said tower positioned diametrically opposite each other, a track spaced from each of said first tracks and carried by said ring gate, roller chains between adjacent tracks and pinion and rack means for moving said roller chains in proportion to the movement of said ring gate relative to said tower.

2,200,668

METHOD OF AND MEANS FOR CLEANING THE CHECKER CHAMBERS OF OPEN HEARTH FURNACES AND THE LIKE

Albert Carlson, Chicago, Ill.

Application November 27, 1939, Serial No. 306,380
6 Claims. (Cl. 263—19)



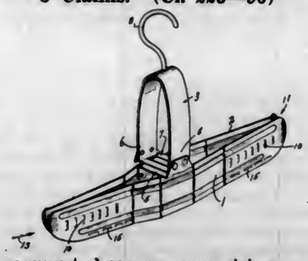
1. In an open hearth furnace, the combination of means for cleaning and removing foreign matter from the checker chambers thereof, means arranged in the bridge wall at the inner end of the chambers of the furnace for directing a cleaning fluid under pressure into and through said chambers, means for supplying a fluid under pressure to said last mentioned means, means arranged in the top of the flue just outside of the bulkhead of the chambers for directing a cleaning fluid under pressure into and through said flue, and means for supplying a cleaning fluid under pressure to said last mentioned means.

2,200,669

HANGER

Burton A. Cook, Los Angeles, Calif.

Application April 15, 1938, Serial No. 202,224
3 Claims. (Cl. 223—96)



1. A garment hanger comprising a pair of juxtaposed clamping members having inner garment-contacting surfaces with means for urging said members together to engage and support a garment positioned therebetween, in which said members have projections on their inner surfaces adapted to imbed themselves in the fabric of a garment, said projections having substantially horizontal upper edge portions and being horizontally inclined at a low angle to the inner face of the associated member, whereby they offer less resistance to horizontal movement of a garment than to downward movement of the garment.

2,200,670

FISHING PLUG

Wilson W. Hargrett, Wyandotte, Mich.

Application January 7, 1939, Serial No. 249,772
5 Claims. (Cl. 43—36)



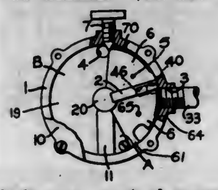
1. An arrangement of the character described comprising a plug slotted from one extremity, an actuating member pivoted on said plug and disposed in said slot, arms pivoted on said member, hooks extending from said arms, pins mounted in said plug one extending through each arm and through said member, a trigger plate pivoted on said plug, and a spring tending to hold said member and trigger plate in their normal positions.

2,200,671

FUEL OIL BURNER CONTROL DEVICE

Hobart W. Hill, Seattle, Wash.

Application February 15, 1937, Serial No. 125,730
30 Claims. (Cl. 137—153)



1. An oil burner control comprising a casing defining a closed space and a member movable therein, and dividing the space into two chambers of variable size, an oil pressure supply port communicating at all times with one, high pressure, chamber, a relief passage communicating at all times with the other, low pressure, chamber, an oil delivery port leading from the space, the member, in its inoperative position, obstructing communication between the high pressure chamber and the oil delivery port, and uncovering the oil delivery port as it moves towards its operative position under the influence of pressure in the high pressure chamber, and means to choke discharge of oil from the low pressure chamber, as the member approaches its operative position, to permit only gradual increase in the effective area of the oil delivery port, during and by reason of such choking.

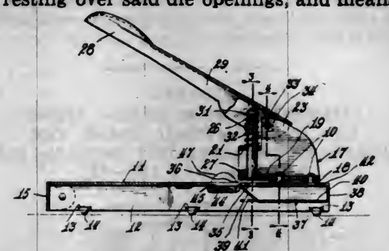
2,200,672

PERFORATING DEVICE

Emil Kern, Long Island City, N. Y., assignor to Acco Products, Inc., a corporation of New York

Application December 14, 1936, Serial No. 115,821
Renewed December 7, 1939
3 Claims. (Cl. 164—91)

1. A device for perforating sheets of material comprising, a base having die openings therein, standards thereon each of sheet metal bent to provide spaced apart ears, a top and a bottom wall on each standard having guide openings in alignment with said die openings, a fulcrum pin journaled in each standard, punches supported in the guide openings, and an operating lever operatively connected to the punches and fulcrumed on said pins operable to carry the punches downward to perforate a sheet of material resting over said die openings, and means on



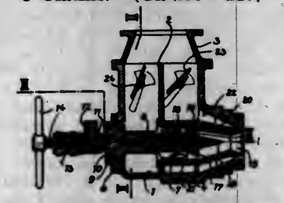
each standard to facilitate insertion of the sheet of material beneath said standards and over said die openings.

2,200,673

OIL-AIR BURNER

Theodor Kinder, Essen, Germany, assignor to "Wistra", Ofenbau Gesellschaft mit beschrankter Haftung, Essen, Germany

Application March 18, 1936, Serial No. 69,538
In Germany March 18, 1935
5 Claims. (Cl. 299—140)



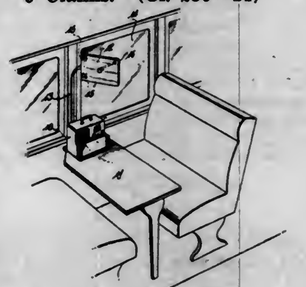
5. An oil-air burner comprising an atomizing chamber, an atomizing pin extending lengthwise of said chamber, the walls of said chamber and said pin defining an annular passage therebetween, an atomizing head on said pin, said atomizing head being substantially of frusto-conical form with the larger end thereof directed toward the outlet end of said atomizing chamber, and a series of projections on said atomizing head and extending laterally into said annular passage, said projections terminating in sharp points directed toward the outlet end of said chamber.

2,200,674

RADIO APPARATUS

Eugene F. McDonald, Jr., Chicago, Ill.

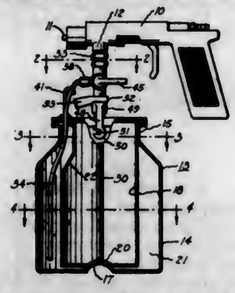
Application June 26, 1939, Serial No. 281,297
9 Claims. (Cl. 250—14)



4. A radio antenna comprising a rigid structure including conductors forming a loop, means

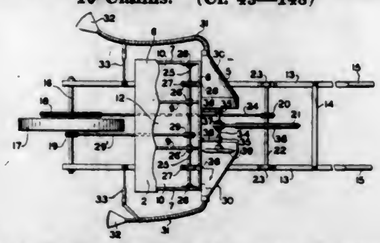
carried by said structure for quickly attachably and detachably securing the same to a surface in any one of a plurality of positions on said surface and with said loop parallel to said surface or at an angle thereto.

2,200,675
CONTAINER FOR SPRAY GUNS
Ellie Hugh Northcutt, Dallas, Tex.
Application September 11, 1937, Serial No. 163,393
5 Claims. (Cl. 137—21)



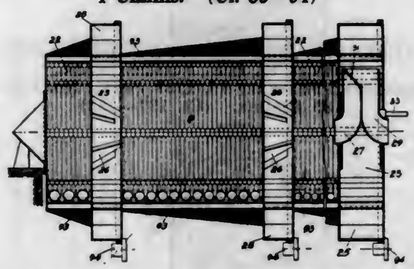
1. A container for receiving liquids to be sprayed by a liquid spray gun including, a cylindrical liquid receptacle having its upper portion reduced in diameter, an inner liquid receptacle inserted within the first receptacle and having its lower end resting on the bottom of the outer receptacle, the upper end of the inner receptacle having substantially the same diameter as the reduced upper portion of the outer receptacle so as to fit snugly therein, the upper portion of the inner receptacle having a vertical recess in its wall, a transverse cover overlying the open upper ends of the receptacles, an axial conductor secured in the cover and depending into the inner container for conducting liquid therefrom, a second conductor extending through said cover and through the recess in the wall of the inner receptacle for conducting liquid from the outer receptacle, and means connected with the upper ends of the conductors for conducting the liquids therefrom to a suitable spray gun.

2,200,676
DUSTING DEVICE
Judson A. Perry, Norfolk, Va., assignor of fifty one-hundredths to George D. Whitehurst, Norfolk, Va.
Application January 12, 1939, Serial No. 250,657
10 Claims. (Cl. 43—148)



1. A dusting device which may be manually motivated comprising a bin provided with a pair of storage containers and mounted upon a chassis, a pair of fan housings which are substantially funnel-like in shape mounted on the said bin, a fan mounted in each of the fan housings, said fans being mounted on a single shaft, a driven pulley mounted on the said shaft, a conduit mounted on the funnel-like housings at the end opposite to that of the fans, a second shaft movably mounted on the said chassis upon which is rigidly mounted a pulley of large diameter and a pulley of small diameter, means to connect the large pulley to the driven pulley on the fan shaft, a third shaft which is carried by the chassis and upon which is mounted a wheel that carries the dusting device and a pulley of large diameter, and means to attach the large pulley to the pulley of small diameter on the second mentioned shaft in such a manner that a rotation of the supporting wheel will cause a rapid rotation of the said fans.

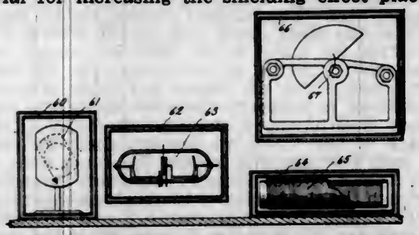
2,200,677
METHOD FOR TREATING HOUSEHOLD AND TOWN REFUSE AND THE LIKE WASTE MATERIALS
Kai Petersen, Soborg, near Copenhagen, Denmark
Application September 11, 1937, Serial No. 163,476
In Denmark September 16, 1936
4 Claims. (Cl. 83—94)



1. A method of treating garbage containing a substantial quantity of relatively solid components and the like refuse which comprises supplying the garbage to a rotatably mounted container, consolidating the garbage and transferring moisture of the relatively moist components of the garbage to the relatively dry components thereof by rotating the container, effecting a grinding of the garbage through the action of the relatively solid components by further rotating the container, continuing the said mode of operation until the garbage is converted into a loose and gritty mass, in which the moisture as well as the various components are substantially uniformly distributed, and a residue consisting of the difficultly grindable and the non-grindable components, and simultaneously subjecting the ground matter to a screening to prevent the formation of a doughy and sticky non-grindable mass and to separate the uniform loose and gritty mass from the residue.

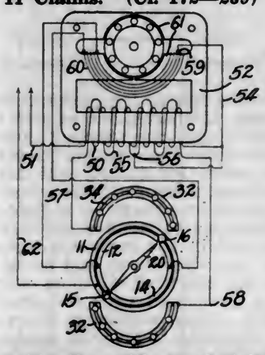
2,200,678
METHOD OF AND APPARATUS FOR SHIELDING RADIO INSTRUMENTALITIES
Harry P. Pratt, Chicago, Ill., assignor, by mesne assignments, to Harry Preston Pratt, William Frederick Grower, Henry Asa Allen, Howard Thompson Ballard, and George Squires Herrington, trustees acting as Pratt Radio Trust
Original application August 7, 1926, Serial No. 127,769. Divided and this application December 30, 1935, Serial No. 56,662
2 Claims. (Cl. 250—16)

1. In an apparatus for electrically shielding a radio instrumentality the combination with a shield of magnetic material surrounding the instrumentally of a further shield of dielectric material for increasing the shielding effect placed



immediately within said magnetic shield but spaced from said instrumentality.

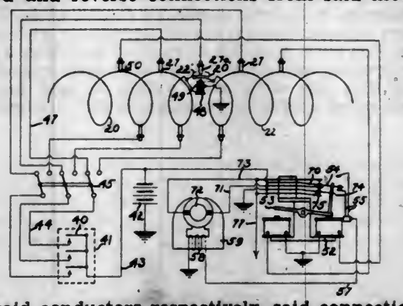
2,200,679
POSITION SELECTOR
Joseph A. Ramos, San Francisco, Calif.
Application March 25, 1938, Serial No. 198,038
11 Claims. (Cl. 172—239)



11. In combination with an electric motor selectively rotatable in either direction by selective closure of two substantially balanced circuits common to said motor, a position selector comprising a shaft to be rotated, a circular conductor moving in synchronism with said shaft over a predetermined path, said conductor being divided into two electrically separate substantially semicircular divisions having adjacent ends, a plurality of contact means engageable with either division of said conductor, said contact means being divided into semicircular groups, a connection between each of said divisions with a respective one of said balanced circuits, whereby connection to the two divisions respectively will cause opposite rotation of said motor, a power supply circuit, means for completing a circuit from said power supply circuit to said motor through a selected one of said contact means, and means for connecting the respective groups to said motor so that energization of individual members of said respective groups will cause opposite rotation of said motor when contacting the same division of said circular conductor.

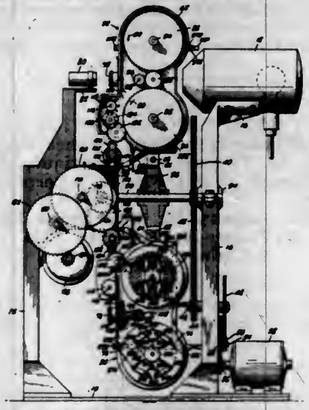
2,200,680
REMOTE CONTROL APPARATUS
Joseph A. Ramos, San Francisco, Calif.
Application June 29, 1939, Serial No. 281,931
21 Claims. (Cl. 172—239)

21. The combination with a controlled device and a reversible motor for operating said device, of a pair of insulated rotatable conductors geared to make more than a single revolution when said device is operated through its range, means for causing an axial movement of said conductors when rotated, contacting means for engaging one or the other of said conductors in accordance with the axial position thereof, forward and reverse connections from said motor



to said conductors respectively, said connections being in such sense as to cause the approach of the other conductor to said contacting means when one is excited, and means for energizing said contacting means and said motor to operate the latter.

2,200,681
MOTION-PICTURE PROJECTION
Vernon A. Rollings, Terre Haute, Ind.
Application March 1, 1939, Serial No. 259,244
11 Claims. (Cl. 88—17)

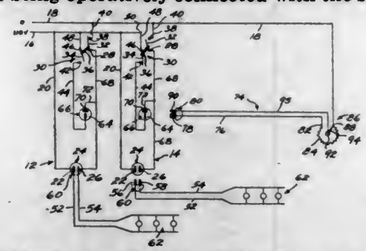


1. In a motion-picture projector, a movable carrier provided with a plurality of films to be successively brought into projecting position through movement of the carrier, a motor for moving the carrier, a switch for the motor, means associated with the carrier cooperable with said switch for opening the latter in advance of the projection of each film, an operating connection between each projected film and said means for closing the switch, to bring the next film into projecting position, and means controlled by said first means for unwinding projected films.

2,200,682
SWITCHBOARD CIRCUITS
Philip J. Runkel, Stevens Point, Wis.
Application January 23, 1939, Serial No. 252,449
1 Claim. (Cl. 175—312)

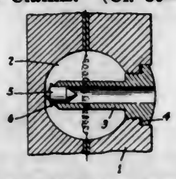
In a lighting control system, first and second line wires, a plurality of load circuits each having a third wire connected with said first line wire and a fourth wire connected with said second

line wire, a switch in each of said fourth wires for electrically connecting and disconnecting that load circuit with respect to said line wires, first and second terminals associated with each of said load circuits, the first terminals being electrically connected with their respective fourth wires, fifth wires connecting said second terminals with said first line wire, a switch in each of said fifth wires for opening and closing that wire with respect to said first line wire, each switch in said fourth wires being operatively connected with the switch



in said fifth wire of that load circuit in such manner as to break the fourth wire when said fifth wire is closed and vice versa, a dimmer circuit including an auto-transformer having a wired connection with said second wire, third and fourth terminals, a wire connecting the third terminal with the wiper element of said auto-transformer, a wire connecting the auto-transformer with said fourth terminal, and said third and fourth terminals being adapted for selective connection with said first and second terminals of each load circuit for controlling the light intensity thereof.

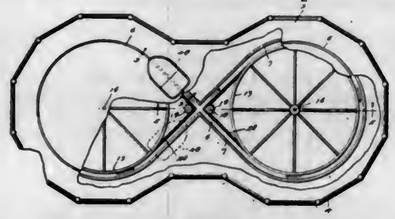
2,200,683
CORE TAKING DEVICE
Marcel Schlumberger, Paris, France, assignor to Société de Prospection Electrique, Procédés Schlumberger, Paris, France, a corporation of France
Application January 24, 1936, Serial No. 60,726
In France November 16, 1935
2 Claims. (Cl. 89—1)



1. A device for shooting a projectile within a bore hole, comprising a body adapted to be lowered or placed in said bore hole and having a combustion or powder chamber therein, a firing tube adapted to chamber a projectile, said tube projecting into said chamber with the inner end spaced from a wall of said chamber and its outer end secured to a wall of said chamber and substantially flush with the outer wall of said body, and means for igniting powder in said chamber.

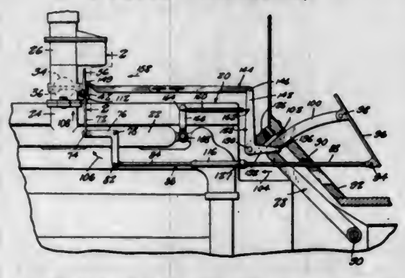
2,200,684
PASSENGER CARRYING AMUSEMENT DEVICE
Arthur Vollbrecht, Saginaw, Mich.
Application November 20, 1939, Serial No. 305,337
4 Claims. (Cl. 104—75)

1. A passenger carrying amusement device comprising a track including a base rail of figure eight formation to provide a crossing, upper and lower rails arranged for cooperation with the base rail, carriages each including a pair of companion vertically arranged frames, casters swiveled at the outer lower ends of the frames and mounted for travel in the base rail, upper and lower rollers carried by the frames and mounted for travel along the upper and lower rails respectively, a platform supported above the carriages and having a slot therein following the shape of the track, an upright shaft included in each carriage and having the inner ends of the frames pivoted thereto, said shaft extending through the slot for travel therein, passenger carrying means for each carriage and rotatably mounted on the shaft for disposal above the plat-



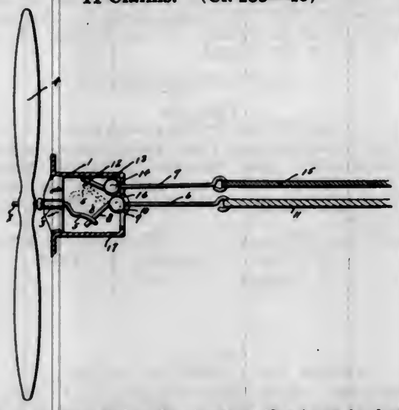
form, propelling means for the carriages and including a pair of chains, one of said chains being disposed within one rounded portion of the track and the other chain within the other rounded portion, means for driving said chains in opposite directions, a flanged pulley wheel for each chain and being of a diameter to guide the same about the rounded portions of the track, toothed means included in the carriages for detachable connection with the chains and being connected to at least one chain at all times, and the carriages being associated with the chains to prevent contact of the passenger carrying means with each other but to give the appearance that they will collide when approaching the crossing.

2,200,685
COMBINATION ACCELERATOR AND BRAKE CONTROL
Stanley E. Anderson, Superior, Wis.
Application January 16, 1939, Serial No. 251,247
8 Claims. (Cl. 192—3)



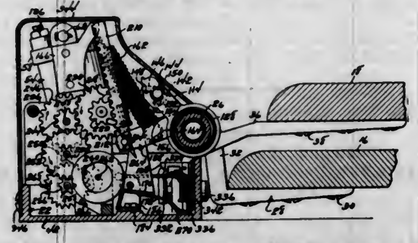
1. In an engine, the combination of a throttle valve including means for urging the valve to closed position, a brake lever including a pedal pivoted thereto for actuating the brake lever, an operating linkage between the pedal and said throttle valve including an electromagnet coupling, and switch means including an electric circuit for the electromagnet coupling controlled through initial actuation of the brake lever for energizing the electromagnet coupling, to uncouple the linkage and permit said first means to move the valve to a closed position.

2,200,686
MULTIPLE POWER TRANSMISSION DRIVE
Robert Lawrence Beckman, Eugene, Oreg.
Application March 14, 1938, Serial No. 195,906
11 Claims. (Cl. 185—40)



1. A power drive for toys of the type including a driven element, said power drive including substantially duplicate driving elements each independently tensioned for operation and either capable of actuating the driven element, and means whereby the driving elements may automatically displace each other in repeated succession in driving cooperation with the driven element as the operating tension of the active driving element falls below the operating tension of the inactive driving element.

2,200,687
TOILET BOWL
Fernand L. Bercot, Syosset, N. Y.
Application April 14, 1939, Serial No. 267,848
9 Claims. (Cl. 4—249)



1. In a toilet bowl having a flushing means and a pair of seat members adapted to be moved to open positions, a pivot for the seat members, a power means operatively connected with one of said seat members for moving the two members to closed positions, means operatively connected with the flushing means and actuated by one of said members moving to a closed position for operating the flushing means, said members being adapted for independent manual movement to open positions, and one of the members being adapted to move the other member to its closed position.

2,200,688
GASKET
Emil C. Bridgers, San Antonio, Tex.
Application October 27, 1938, Serial No. 237,353
2 Claims. (Cl. 288—26)

1. A gasket comprising a body fashioned with inner and outer rings with the latter formed with a rim section overlying and embracing said inner ring throughout the entire circumference of the latter, a semi-ring shaped fin partially surround-



ing said body for engagement with flange bolts for axially centering said body relative to a pair of flanges to which said bolts are connected, and webs integrally connecting said fin to said outer ring and in spaced relation therewith.

2,200,689
DYESTUFFS OF THE PYRAZINOCYANINE SERIES AND PROCESS OF MAKING THEM
Wilhelm Eckert and Ferdinand Quint, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application January 15, 1937, Serial No. 120,830. In Germany January 30, 1936
12 Claims. (Cl. 260—242)

1. A process of making a dyestuff of the pyrazinocyanine series which comprises condensing diaminoethylene-dinitrile with a compound selected from the group consisting of diacetyl, glyoxal, benzil, ortho-benzoquinone, acenaphthenequinone, thionaphthene-quinone, aceanthrenequinone, omega-halogen-aceto-phenone, substitution products thereof which contain the 1.2-diketo group, and substitution products which contain the 1-keto-2-chloro group, the ring condensation product thus obtained having two nitrile groups in ortho-position to each other, and heating said product up to temperatures between about 100° C. and about 300° C.

2,200,690
SUPPORT STRUCTURE
Louis D. Elliott, New London, Iowa
Application August 11, 1937, Serial No. 158,580
2 Claims. (Cl. 189—34)



1. A structural unit comprising, a member formed of a pair of angularly related sections with the end of one section terminating in a flange lying in a plane angularly related to and extending away from both of said sections, said flange formed with a lateral portion extending laterally relative to said end of said other section and said flange and portion cooperating with the end face of said end of said other section to provide a seat.

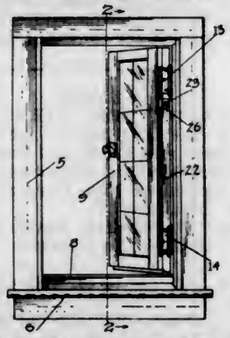
2,200,691
LAMINATED VITRIFORM SHEET
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application April 21, 1927, Serial No. 185,660
21 Claims. (Cl. 49—81)

7. A laminated product comprising at least two

sheets of material cemented together by a binding agent including an acid catalyzed urea formaldehyde type resin.

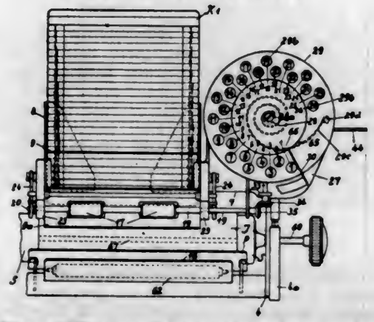
21. Laminated glass having at least one continuous layer of a plastic material containing a derivative of cellulose interposed between at least two sheets of glass and being caused to adhere thereto by means of an adhesive containing a light stable synthetic resin.

2,200,692
WINDOW
William Fairley, Oakland, Calif.
Application February 28, 1939, Serial No. 259,035
2 Claims. (Cl. 16—163)



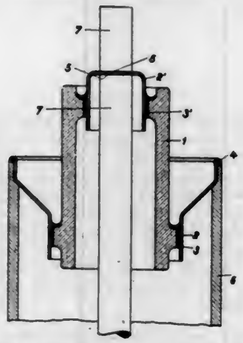
1. In a device of the character described, a pair of hinge plates, a second pair of hinge plates hinged to said first mentioned plates, and a third pair of hinge plates adapted to be attached to a closure and hinged to said second mentioned hinge plates, a rod extending between and forming a pintle for the pivotal connection between said second mentioned hinge plates and said third mentioned hinge plates, and a sliding latch mounted on said rod adapted to co-operate with a screw carried by the closure.

2,200,693
TYPEWRITING MACHINE
Hans Dietrich Geiser, Chemnitz, Germany, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Siegmar-Schonau, Germany
Application December 7, 1937, Serial No. 178,614
In Germany December 7, 1936
9 Claims. (Cl. 197—119)



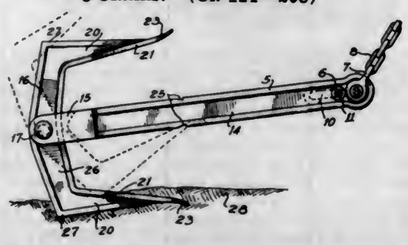
1. In a writing machine, mechanism for introducing and adjusting front fed sheets with respect to one another in the machine, said mechanism including feed rolls above the platen, a control member movable for actuating the feed rolls to feed the front fed sheets to desired lines, and sheet-positioning selection means having two sets of indicator symbols of which one set is on the control member and the other set is on a fixed part of the mechanism, each set of symbols corresponding in number to the number of lines on the front fed sheets.

2,200,694
ANNULAR FUSION JOINT
Eduard Gerecke and Otto Deutschbein, Berlin-Grunewald, and Werner Schulze, Berlin-Wilmersdorf, Germany, assignors to Julius Pintsch Kommanditgesellschaft, Berlin, Germany
Application September 16, 1938, Serial No. 230,306
In Germany September 21, 1937
5 Claims. (Cl. 250—27.5)



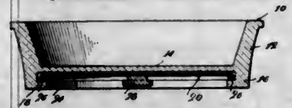
1. The combination of a ceramic part and a metal part, fused together at juxtaposed annular adhering surfaces on the interior of the outer part and the exterior of the inner, by means of a flux, the parts having coefficients of heat expansion greater than that of the flux and substantially equal to one another throughout a temperature range between the softening temperature of the flux and the room temperature.

2,200,695
ANCHOR
Paul F. Kaut, San Pedro, Calif.
Application December 8, 1938, Serial No. 244,702
3 Claims. (Cl. 114—208)



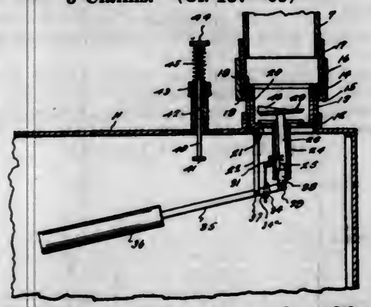
1. An anchor as described having an elongated shank, a crown pivoted at one end of said shank, said crown having a pair of fluke arms substantially at right angles thereto, said flukes having terminal cut out portions forming points adapted to receive said shank therebetween, said flukes having an abutment at the base of said recess and said shank having notches adapted to engage said abutments.

2,200,696
CHILD'S COAXER DISH
Luke J. L'Heureux, Jasper, Ala.
Application October 11, 1938, Serial No. 234,457
3 Claims. (Cl. 65—15)



1. A dish of the type described comprising a receptacle unit having a transparent bottom, a grooved flange projecting below the bottom, a mount in the nature of a plate, means cooperable on the mount and in said groove for holding the mount in connected relation with the flange, said mount being spaced from the bottom to house a sheet-like insert, and a knob depending from the mount, said flange being of such depth as to house the mount and constituting a base for the dish.

2,200,697
AUTOMATIC SHUT-OFF VALVE
Charles V. Lindley, Flint, Mich., assignor of thirty-three and one-third per cent to Robert D. Scott, Flint, Mich.
Application October 13, 1938, Serial No. 234,825
3 Claims. (Cl. 137—68)



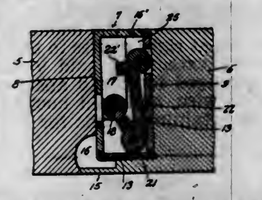
1. In combination, a storage tank, a filler pipe extending to the tank, a float valve in the tank, the float valve including a valve element located at the tank end of the pipe, means for normally holding the valve in open position, said means including a seat forming part upon which a part of the valve rests, a float in the tank and means for moving said part of the valve off the seat by raising of the float in the tank, means extending into the tank for engaging the float to unseat the valve when drainage of the filler pipe is required and means actuated by lowering of the float for moving the valve upwardly upon the seat.

2,200,698
HANDLE
Thurman R. McKinney, Shawnee, Okla.
Application December 7, 1938, Serial No. 244,491
1 Claim. (Cl. 16—111)



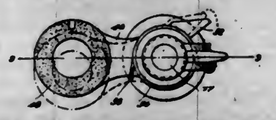
A handle structure for hand-bars comprising a barrel having a pair of parallel spaced tongues extending laterally therefrom and substantially tangentially, securing means, one end of the hand-bar being disposed between the tongues and said securing means being disposed through the tongues and said mentioned end of the hand-bar, a shaft journalled through the barrel and having its end portions protruding beyond opposite ends of the barrel, and a pair of handle members, one at each end of the barrel, said handles being bored to receive the protruding end portions of the shaft, said handles being sufficiently bored to result in termination of the inner ends of the handles in close proximity to the ends of the barrel.

2,200,699
HINGE
Gerald A. McNulty, West St. John, New Brunswick, Canada
Application July 5, 1938, Serial No. 217,610
1 Claim. (Cl. 16—164)



In a hinge, a pair of plate-like substantially rectangular hinge leaves adapted to be swung one relative to the other laterally into open and closed positions, respectively, said leaves in the closed position thereof being opposed in side by side spaced apart relation to form opposite sides of a chamber, a narrow elongated plate pivoted at its side edges to ends of said leaves to connect the latter for swinging of the one relative to the other and for swinging of said plate in the closed position of the leaves to close one end of said chamber, a right angled flange on one leaf for closing the other end of said chamber in the closed position of the leaves and forming a stop limiting swinging of the one leaf toward closing position, a pair of lateral flanges on each leaf, and a pair of plate-like links fitting between the pairs of flanges, respectively, and pivoted together and to said pairs of flanges for folding and unfolding about axes parallel with that of the pivots of said plate in the closed and opened positions of said leaves, respectively, one of said links having a lateral rib fitting endwise between the flanges of one of said pairs in the folded position of the links to brace the leaves against relative sagging in the closed position thereof.

2,200,700
SPINDLE BRACKET
Eugene F. Monnia and Alex Marcus, Scranton, Pa., assignors of thirty-three and one-third per cent to Kenneth F. Mills, Scranton, Pa.
Application July 13, 1939, Serial No. 284,361
9 Claims. (Cl. 57—129)



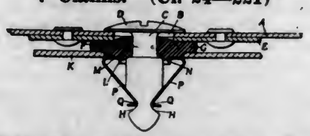
1. A bracket for supporting spindles, comprising a bracket arm, opposed pivot bearings carried by the arm, and a spindle supporting member pivotally mounted between the pivot bearings.

2,200,701
SCREEN DOOR LATCH
John T. Moore, Dallas, Tex., assignor of thirty per cent to W. U. Howell, Dallas, Tex.
Application August 11, 1936, Serial No. 95,346
Renewed October 12, 1939
1 Claim. (Cl. 292—20)



A latch comprising a length of resilient wire having a loop intermediate its ends and having substantially parallel extensions of equal length, the ends of said extensions being bent upward and downward to define inverted V-shaped legs and terminating in hooks, said hooks and downwardly bent legs being arranged to lie in common planes, the planes of the hooks determining planes which are at right angles to the planes determined by the extensions, said V-shaped portions being arranged to spread apart by the resiliency of said wire, and said hooks formed to be received by retaining means for joint securement.

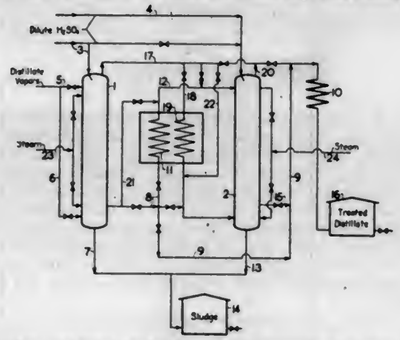
2,200,702
DETACHABLE FASTENER
Fred Albert Oddie, Southampton, England
Application December 15, 1938, Serial No. 245,991
In Great Britain January 14, 1938
7 Claims. (Cl. 24—221)



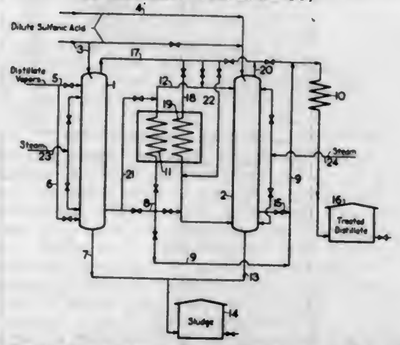
1. A fastening device comprising a rotatable stud having a substantially conical end portion and shoulder means adjacent said end portion, a socket means comprising a supporting member and a resilient tongue extending slantwise from said member towards the conical end portion of the stud, the free end of the tongue forming a lip to engage said shoulder means when the stud is inserted into the socket means and being adapted to cooperate with the conical end portion of the stud to eject the stud when the latter is turned to move the shoulder means out of registry with said lip.

2,200,703
PROCESS FOR REFINING HYDROCARBON OILS
Edmond R. P. E. Retailliau, Edwardsville, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 18, 1938, Serial No. 208,697
9 Claims. (Cl. 196—36)

1. In the process for removing gum forming components from hydrocarbon oil vapors in a heated condition with a refining reagent, the improvement comprising injecting into said heated hydrocarbon vapors an aqueous solution having a concentration from .2 to 20% of a reagent consisting of sulfuric acid, in an amount of from .02 to 1 pound of said reagent per barrel of said oil, which amount of reagent is completely consumed in a once-through operation under the conditions of the treatment, conducting such vapors and reagent solution in intimate contact through a reaction zone at a temperature of 200 to 400° F., said amount and concentration being so chosen to prevent substantial condensation of the vapors at the temperature of the treatment, maintaining said contact for a time sufficient to vaporize water of solution, thereby concentrating the reagent solution and simultaneously to react at least a portion of said unstable components with the reagent, whereby a sludge is produced, and separating the resulting vapors from the sludge.



2,200,704
PROCESS FOR REFINING HYDROCARBON OILS
Edmond R. P. E. Retailliau, Edwardsville, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 18, 1938, Serial No. 208,698
10 Claims. (Cl. 196—36)



1. In the process of removing gum forming components from hydrocarbon oil vapors in a heated condition with a refining reagent, the improvement comprising injecting into said heated hydrocarbon vapors an amount of a dilute reagent solution having a concentration of .5 to 20% in a solvent which is chemically inert and substantially completely vaporizes under the conditions of the treatment, said reagent consisting predominantly of organic sulfonic acid, said amount being between .05 and 1 pound of said reagent per barrel of said oil and being completely consumed in a once-through operation under the conditions of the treatment, conducting said vapors and said sulfonic acid solution in intimate contact through a reaction zone at a temperature between 200 and 400° F., said amount and concentration being so chosen to prevent substantial condensation of the vapors at the temperatures of the treatment, maintaining said contact for a time sufficient to vaporize the solvent substantially completely, thereby concentrating the reagent simultaneously to react at least a portion of said gum forming components with the reagent whereby a sludge is produced, and separating the resulting vapors from the sludge.

2,200,705
INTERPOLYMERIZATION PRODUCTS OF BUTADIENE AND A VINYL ETHINYL CARBINOL
Wilhelm Sandhaas, Mannheim, Walter Daniel, Ludwigshafen-on-the-Rhine, and Kornelius Mühlhausen, Leverkusen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 3, 1938, Serial No. 183,120. In Germany January 5, 1937
4 Claims. (Cl. 260—86)

3. A process of producing rubber-like interpolymerization products which comprises polymerizing a mixture of about three parts of butadiene and one part of a vinyl ethinyl carbinol in aqueous emulsion.

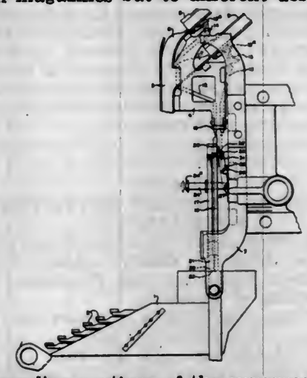
2,200,706
GREENHOUSE CONSTRUCTION
Otto K. Slater, Jr., Medina, Ohio
Application March 9, 1939, Serial No. 260,859
3 Claims. (Cl. 189—4)



2. In a greenhouse having side walls formed of a plurality of sashes in side-by-side relation to each other, and a roof having sloping sections each consisting of a plurality of sashes in side-by-side relation to each other with their lower ends resting upon the side wall sashes and their upper ends intersecting to form a ridge; eaves-clamps for connecting lower ends of the roof-sashes with upper ends of the side-wall-sashes, and ridge clamps for connecting intersecting upper ends of the roof-sashes, said ridge clamps each comprising inner and outer strips bent to form sash-engaging portions diverging downwardly, and lugs extending between the inner and outer strips for engaging between side edges of adjoining sashes.

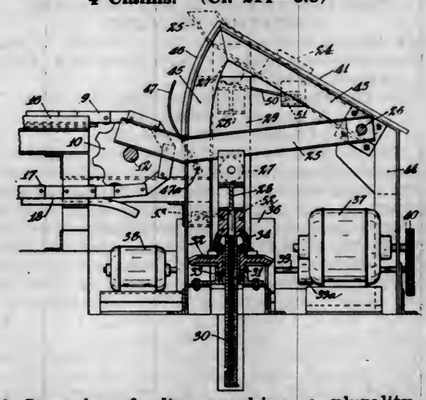
2,200,707
TYPOGRAPHICAL COMPOSING MACHINE
Richard E. Sylte, Chicago, Ill., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application October 24, 1939, Serial No. 300,905
10 Claims. (Cl. 199—19)

1. In a typographical machine, the combination of two superposed magazines each containing a font of matrices and each provided with a series of escapements, a keyboard common to both magazines and having as many finger keys as there are different characters in a complete font, and a series of escapement actuating devices one for each finger key of the keyboard, said devices being arranged in independently adjustable groups whereby the keyboard while operative as a whole may be connected simultaneously to both magazines but to different desired non-



corresponding portions of the superposed matrix fonts in such magazines.

2,200,708
BAR FEEDING MACHINE
Albert C. Towne, Kenmore, N. Y., and Lloyd G. Tingwall, Sr., Lake Bluff, Ill., assignors to Standard Conveyor Company, North St. Paul, Minn., a corporation of Minnesota
Application August 11, 1938, Serial No. 224,418
4 Claims. (Cl. 214—8.5)



1. In a bar feeding machine, a plurality of spaced, parallel arms pivotally supported for tilting movement about a common horizontal axis and arranged to extend laterally beneath a stack of long, relatively narrow bars to be separated, an upwardly extending guide for the front edges of bars on said arms, a skid extending obliquely downward and forward from the upper extremity of said guide, a beam extending horizontally beneath the free ends of said arms, rollers severally supporting said arms on said beam and power-driven means for actuating said beam to tilt said arms in unison and thereby deliver the bars consecutively from the top of said guide to said skid.

2,200,709
ORGANOGEL
Ernst Trommsdorff, Jugenheim-on-the-Bergstrasse, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application March 12, 1937, Serial No. 130,544. In Germany March 19, 1936
8 Claims. (Cl. 260—32)

1. The process which comprises dissolving a

small amount of a polymeric organic compound containing saponifiable groups in an organic liquid in which the saponified polymer is insoluble and converting the entire solution to a gel by saponifying the polymeric material in said solution to such an extent that the saponified portion of the polymeric molecule does not exceed about 30% of the total molecule.

2,200,710

METHOD OF SEALING OFF WATER BEARING FORMATIONS

Franklin A. Bent, Albert G. Loomis, and Howard C. Lawton, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 19, 1938, Serial No. 191,402
11 Claims. (Cl. 61—36)

3. In the process of decreasing the permeability of a porous formation, the steps of introducing into said formation an aqueous solution of a water-soluble salt of hydrofluosilicic acid and reacting said solution within said formation with a water-soluble alkali salt whereby a water-insoluble alkali fluosilicate is formed in the pores of said formation.

2,200,711

PROCESS FOR THE REFINING OF NAPHTHENIC ACIDS

Hugh Rogers Berry, Alton, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 24, 1939, Serial No. 286,238
5 Claims. (Cl. 260—514)

1. In the process of refining crude naphthenic acid containing normally liquid acidic organic sulfur compounds by extracting an aqueous soap solution of said naphthenic acids with a water immiscible solvent, the improvement comprising heating the crude naphthenic acid to a temperature of about 500° F. to 700° F. for a time sufficient to decompose a major portion of said organic sulfur compounds thereby converting said organic sulfur compounds to neutral oils and normally gaseous sulfur compounds and to produce heat treated naphthenic acids, separating the said gaseous compounds from the heat treated acids and dissolving said acids in aqueous caustic alkali to form said soap solution.

2,200,712

ARYL PHOSPHITES

Thomas S. Carswell, Glendale, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application November 15, 1937, Serial No. 174,653
8 Claims. (Cl. 260—461)

1. The tri benzyl-substituted phenyl phosphites.

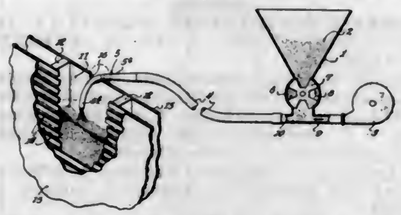
2,200,713

BUILDING INSULATION AND METHOD FOR PRODUCING SAME

Walter M. Ericson, Milwaukee, and Edwin H. Wenzel, Fox Point, Wis.; said Ericson assignor to said Wenzel

Application December 24, 1937, Serial No. 181,718
1 Claim. (Cl. 72—16)

The method of building an insulating blanket of dry particles of insulation material within the hollow space of a building wall, ceiling or the like which consists in conveying the particles to the wall space from a source of supply in freely suspended relation in an air stream in a conduit and through a constricted portion of such conduit substantially adjacent its discharge end without disturbing conveyance of the particles



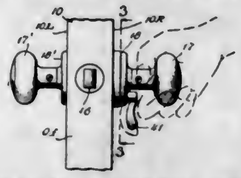
therethrough in suspended relation in the air stream and to amass the particles in denser form and increase the velocity of the air flow for the discharge of the particles from the conduit at a force to produce a blanket of sufficient density to substantially reduce subsequent settling and voids.

2,200,714

LOCK

Morris Falk, Leominster, Mass., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts

Application November 26, 1937, Serial No. 176,409
7 Claims. (Cl. 292—359)



1. In a latch spindle fastener of the character normally provided with simple rose plates, the combination with the spindle thereof comprising means to prevent its rotation and capable of replacing either of said rose plates, comprising a separate plate assembly carrying said locking means and attachable independently of said latch bolt and a manipulative member for controlling the said means comprising a rotary shaft having a portion thereof extending partially in close proximity towards one of said rose plates and extending through the other and accessible from both sides of said door, the said means on said plate includes a pair of spaced slides each of which is notched to embrace the said spindle and wherein the said manipulative member includes a lever for adjusting the said pair of slides to and from each other.

2,200,715

CONVERSION PRODUCTS OF RUBBER

Arthur Greth and Johannes Reese, Wiesbaden, Germany, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa.

No Drawing. Application June 10, 1937, Serial No. 147,479. In Germany July 6, 1936
4 Claims. (Cl. 260—768)

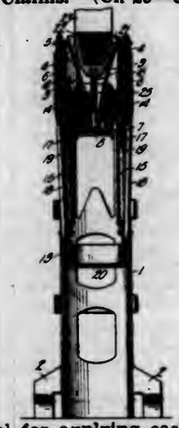
1. The process of isomerizing rubber which includes the step of heating a mixture composed of rubber, an excess by weight of a phenol, and an inorganic acid which does not react with the phenol to the boiling point of said phenol.

2,200,716

CASING PROTECTOR APPLICATOR TOOL

Jesse E. Hall, Bakersfield, Calif., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo., a corporation of Missouri

Application June 27, 1938, Serial No. 216,055
8 Claims. (Cl. 29—88.2)



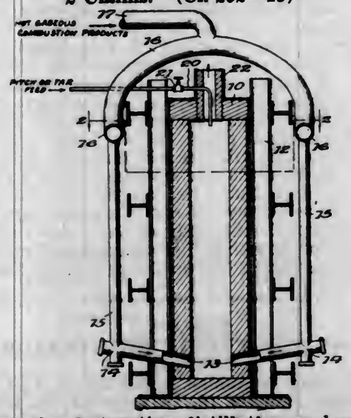
1. In a tool for applying casing protectors to drill pipe, a vertical standard, means carried by said standard for supporting a protector ring, a plurality of shoes, means for supporting the upper ends of said shoes from said standard, the lower ends of said shoes being free and adapted to be placed within the elastic protector ring which is to be applied to drill pipe, said shoe supporting means being such that a drill pipe upon which a protector ring is to be mounted may be lowered between the shoes and through the protector, and means for imparting a relative motion between the shoes and the protector ring when it has moved to the desired position axially of the drill pipe.

2,200,717

PROCESS OF COKING PITCH

Albert P. Meyer, Pittsburgh, Pa., assignor to Pittsburgh Coke & Iron Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 17, 1938, Serial No. 225,438
2 Claims. (Cl. 202—19)



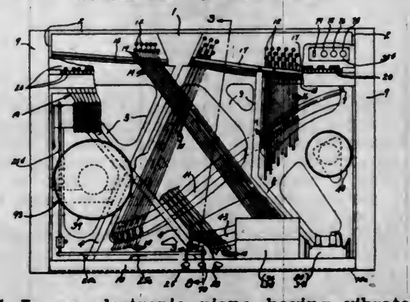
1. In the destructive distillation and carbonization of coal tar pitch by hot combustion gases, an improved process of making substantially pure carbon which comprises establishing a horizontally elongated substantially rectangular body of molten pitch not over 30 inches in width, introducing gaseous products of combustion entering at a temperature of 1400°–1600° F. into said body at a plurality of points along its length and near the bottom thereof while maintaining a partial vacuum thereabove, gradually raising the temperature of the combustion gases to about 1800° F. until the pitch body becomes a vesicular solid residue and continuing a flow of the hot gases through and in contact with the solid residue until it reaches a temperature exceeding 1500° F. and solid carbon is produced having a volatile matter content less than 1 per cent by weight.

2,200,718

ELECTRONIC PIANO

Benjamin F. Miessner, Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc., Millburn Township, Essex County, N. J., a corporation of New Jersey

Application January 29, 1938, Serial No. 187,646
27 Claims. (Cl. 84—1.14)



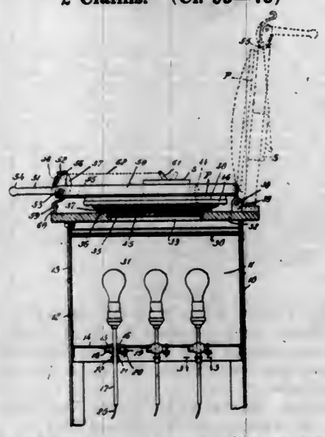
1. In an electronic piano having vibratable strings: a bridge to which said strings are secured as to vibrational movement; vibratile means supporting said bridge for both linear and rocking response of said bridge to string vibrations; and pick-up electrode means passing through and supported by the same bridge and extending into spaced relationship to said strings.

2,200,719

APPARATUS FOR MAKING PHOTOPRINTS

Wilbert H. Morgan, Howard Beach, N. Y.

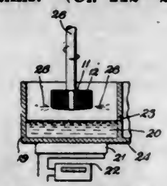
Application May 20, 1938, Serial No. 208,959
2 Claims. (Cl. 95—73)



1. In photoprinting apparatus, a support for

the negative and sensitized paper and a platen mounted to move toward and away from said support to press the paper and negative into contact with each other, said platen having an inflated pneumatic cushion on the under surface thereof, said cushion having secured to its outer surface a sheet of flexible material having projecting therefrom a plurality of uniformly arranged projections to frictionally engage the print paper from the center of the cushion outwardly to the edges thereof, the outer edges of the flexible sheet being spaced inwardly from the outer edges of the cushion.

2,200,720
THREAD SPOOL AND THE METHOD OF CONSTRUCTING THE SAME
Louis H. Morin and Davis Marinsky, Bronx, N. Y.
Application March 21, 1939, Serial No. 263,136
7 Claims. (Cl. 112—251)



1. The herein described method of forming the side flanges or facings of spools, which consists in arranging a spool body consisting of crosswound strands upon a supporting spindle, then applying a heated wax-like composition to at least one surface of said strand body, then rotating said spindle at high speed to throw off unsolidified portions of said composition through the action of centrifugal force, and then chilling and shaping the applied composition material to form the facing of said spool.

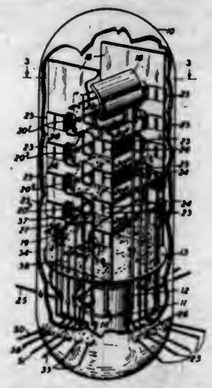
2,200,721
THREAD SPOOL AND THE METHOD OF CONSTRUCTING THE SAME
Davis Marinsky and Louis H. Morin, Bronx, N. Y.
Application June 1, 1939, Serial No. 276,784
12 Claims. (Cl. 112—251)



1. A spool of strand-like material comprising a core with the strand-like material wound in crossed relationship thereon, the sides of said spool comprising discs of relatively soft plastic material extending from the core to the outermost windings of the strand on said spool, and the outer surfaces of said discs having grooves extending over substantially the entire area thereof to weaken the structure of the discs causing said discs to break up into particles removable from the spool in the process of unwinding the strand therefrom.

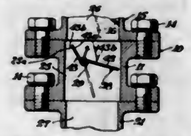
2,200,722
ELECTRON DISCHARGE DEVICE
John R. Pierce and Gordon K. Teal, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 4, 1938, Serial No. 205,929
8 Claims. (Cl. 250—175)

1. An electron multiplier comprising a pair of electron emissive members and an anode mounted successively in staggered relation, and a shield member enclosing said anode on three sides and



having an open side toward the emissive member opposite said anode, said shield member being electrically integral with the other electron emissive member.

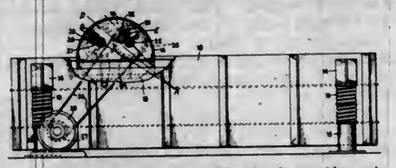
2,200,723
MIXING DEVICE
George L. Reichhelm, New Haven, and Eric Holm and Frank A. Kane, Jr., Derby, Conn., and Otis C. Funderburk, Weston, Mass., assignors to Frank A. Kane, Derby, Conn.
Application August 6, 1938, Serial No. 223,526
6 Claims. (Cl. 48—180)



5. In an internal combustion engine, an intake passageway for the final fuel and air mixture, a valve in said passageway for controlling the flow of said mixture, and yieldable means coacting with said valve and constantly exerting a closing effort thereon, said valve being operatively responsive to a pressure differential on opposite sides thereof whereby it will be opened in opposition to said closing effort by said mixture acting thereagainst during its flow through said intake passageway, said valve having a portion of that surface thereof normally remote from the carburetor so formed as to be disposed within the path of said final fuel and air mixture from the carburetor when the valve is moved beyond a predetermined point in its open position, whereby the said mixture will impinge upon said surface to increase the opening effort exerted upon the valve, the valve containing a plurality of spaced relatively narrow elongated slits extending through the body of the valve to form channels for directing fuel accumulated on both sides of the valve towards the periphery thereof.

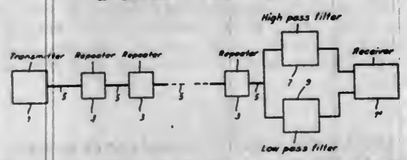
2,200,724
MEANS FOR PRODUCING GYRATORY MOTION
Samuel D. Robins, New York, N. Y.
Application January 18, 1937, Serial No. 121,077
29 Claims. (Cl. 74—87)

1. A resiliently supported gyrating frame, bearings mounted on said frame, and means journaled in said bearings for transmitting primary forces therethrough to said frame for imparting



a uniform substantially elliptical motion to all portions of said frame.

2,200,725
SIGNALING SYSTEM
Noël Meyer Rust, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application May 5, 1936, Serial No. 77,913
In Great Britain May 11, 1935
1 Claim. (Cl. 178—6)



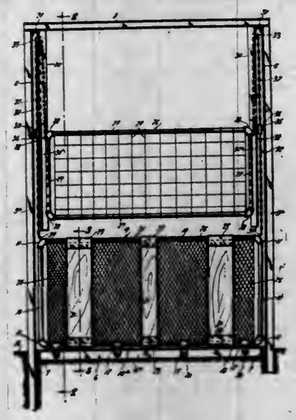
An electrical energy transmission system for television signals comprising a cable transmission system adapted to give a substantially constant time delay $t1$, for all the television signal frequencies above approximately a predetermined frequency, an output and input end for said system, segregating means at the output end of said system for separating out television signal frequencies including a second predetermined frequency p, means for imposing a time delay t_1+np (where n is a whole number) upon said separated frequencies, and means for combining the separated, delayed, low frequencies with the frequencies above that for which said cable system imposes substantially constant time delay to produce substantially constant time delay for the picture signal frequencies above and below the predetermined frequency.

2,200,726
BUFFING COMPOUND
Eldridge E. Seeley, Fairfield, Conn.
No Drawing. Application May 20, 1939, Serial No. 274,711
8 Claims. (Cl. 51—300)

1. An abrasive compound, comprising a resinous alcohol-soluble lac of the order of shellac, a relatively non-aqueous solvent therefor, a resin which is oil soluble, and a major percentage of abrasive material.

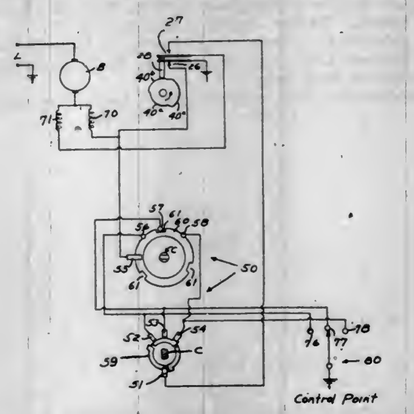
2,200,727
SELF-CLOSING GATE
Gottfrid R. Swenson, Elgin, Tex.
Application September 26, 1936, Serial No. 102,687
Renewed October 25, 1939
1 Claim. (Cl. 39—18)

In a gate structure, the combination of a pair of spaced vertical side posts, a sill extending horizontally between the posts, the said sill being of T-shaped cross section having a horizontal web and a medial depended web, the said horizontal web having spaced pairs of slots parallel with the vertical web, hinge eyes having flat bases to seat on the horizontal web and having extended ears dropped through the said slots for bolting to the vertical web, a lower gate assembly hinged in the said hinge eyes, an upper gate slidably mounted



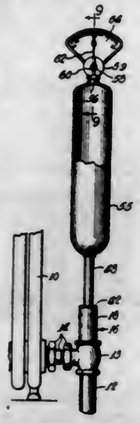
between the side posts, and means connecting the upper and lower gates whereby the former acts as a counterweight to normally hold the lower gate in a vertical position.

2,200,728
CONTROL APPARATUS
Howard Walker, Chicago, Ill., assignor to Bendix Radio Corporation, Chicago, Ill., a corporation of Delaware
Application April 18, 1938, Serial No. 202,682
5 Claims. (Cl. 172—239)



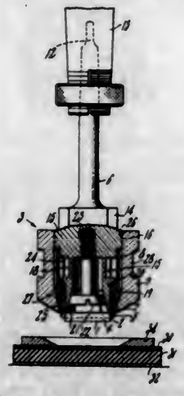
4. In a selective control system having a plurality of control positions, a reversible electric motor, a shaft driven by said motor, an intermittent motion mechanism actuated by said shaft, a control member movable into said control positions and actuated by said mechanism, switch means for selecting any one of said control positions and energizing said motor, a cyclic switch operated by said driven shaft, said cyclic switch having means for deenergizing said motor during its first cycle of operation after attainment of said selected control position and for establishing a reversing circuit upon overrun of said motor.

2,200,729
RADIATOR CONTROL FOR STEAM HEATING SYSTEMS
John W. West, Maplewood, N. J.
Application November 5, 1937, Serial No. 172,931
24 Claims. (Cl. 236—37)



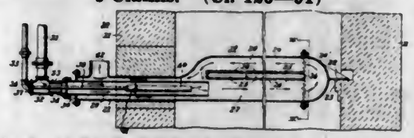
1. In combination with a steam heating system, a steam radiator, a steam supply line, a steam condensing chamber having an atmospheric discharge vent, and a steam pressure operable inlet valve having ports for connecting said steam supply line to said radiator and said condensing chamber.

2,200,730
ROTARY CUTTER
Hugh Molleson Smallwood, New York, N. Y., and Harold Taylor Battin, Ridgewood, N. J., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 17, 1937, Serial No. 164,322
5 Claims. (Cl. 164—60)



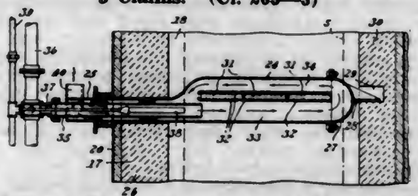
5. A rotary cutter comprising a chuck having concentric circular slots, a plurality of adjacent safety razor blades arcuately fitting within and projecting from each of said slots, and clamping means for securing said blades within said slots, the circumferential dimensions of said slots relative to the length of said blades being such as to leave a gap between the ends of adjacent blades.

2,200,731
HEATING APPARATUS
James C. Woodson, Cleveland, Ohio, assignor to Lee Wilson Sales Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 15, 1938, Serial No. 240,497
6 Claims. (Cl. 126—91)



1. A radiant heating element comprising a tubular body portion having a transverse baffle therein terminating short of both ends of said portion and dividing it into entering and return passages for combustion gases, said element also having a neck portion substantially smaller in sectional area than the body portion and extending from one end of the latter substantially in alinement with said entering passage, a combustible-mixture supply pipe smaller in sectional area than said neck portion and extending through the latter, and a stack communicating with the space between said tube and said neck portion.

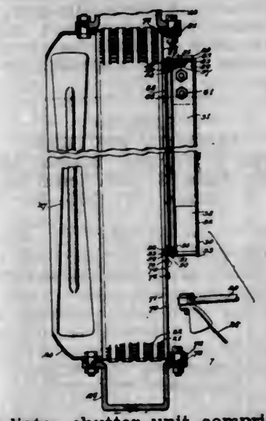
2,200,732
APPARATUS FOR ANNEALING STRIP
James C. Woodson, Cleveland, Ohio, assignor to Lee Wilson Sales Corporation, Cleveland, Ohio, a corporation of Ohio
Application June 12, 1939, Serial No. 278,661
3 Claims. (Cl. 263—3)



1. Apparatus for annealing strip comprising a vertically elongated heating furnace substantially rectangular in section, a central vertical wall dividing said furnace into a pair of chambers, heat-exchange tubes arranged in vertically spaced relation in said chambers, said tubes extending through the sides of said furnace and having feet engaging abutments in said central wall, each of said tubes being closed at one end and having a reduced neck at the other serving as an outlet for combustion gases, and a burner extending into the body of the tube through said neck.

2,200,733
RADIATOR SHUTTER UNIT
William C. Agerell, Chicago, Ill., and John D. Durant, Detroit, Mich., assignors to Pines Winterfront Company, Chicago, Ill., a corporation of Delaware
Application January 15, 1937, Serial No. 120,694
Renewed October 12, 1939
10 Claims. (Cl. 257—132)

1. The combination of a cooling radiator for an internal combustion engine, the radiator comprising a core and a frame, said core having a core face, a fan at the rear of the radiator for pulling air rearwardly through the core, a shutter unit comprising a frame and a plurality of shutters, means for mounting the shutter frame on the radiator frame, each shutter having a bead at one edge, means for journalling each shutter on the frame at its beaded edge, the opposite edge of each shutter being constructed and arranged to swing into sealing contact with the beaded edge of its neighboring shutter to close the shutters, the journals of the shutters being disposed closely adjacent the front face of the core whereby, when the shutters are swung to closed position, their inner faces lie in a plane somewhat inwardly of their pivotal axes and sufficiently close to the core face to prevent substantial air circulation between the core face and closed shutters and parallel therewith, the shutters in opening swinging away from the core face whereby the pull of the fan tends to close them, and gang operating means for swinging the shutters.



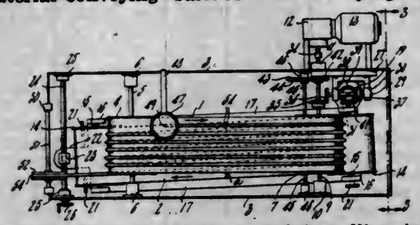
3. A radiator shutter unit comprising a pair of spaced bearing strips at opposed sides of the unit, a set of shutters extending between, and journaled in, the bearing strips, and an angle strip disposed along each bearing strip, each angle strip having one of its flanges disposed in the plane of the bearing strip and along the outer side thereof opposite the shutters and fixed to the bearing strip and having its other flange extending inwardly along an edge of the bearing strip and closely overlapping the ends of the shutters and the space between them and the bearing strip.

2,200,734
MANUFACTURE OF NITRILES
Herrick R. Arnold and Wilbur A. Lazier, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 30, 1938, Serial No. 232,529
19 Claims. (Cl. 260—464)

1. A process for the production of nitriles which comprises passing, at a temperature between 300 and 550° C., a mixture of ammonia, in molecular excess, and a carboxylic compound, adapted to form an ammoniated carboxylic compound with ammonia, over a compound of boron and phosphorus as a catalyst.

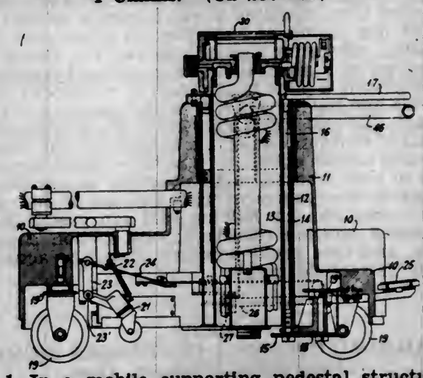
2,200,735
CONTINUOUS VULCANIZING APPARATUS
Harold T. Battin, Ridgewood, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 11, 1938, Serial No. 189,953
7 Claims. (Cl. 18—6)

1. Apparatus for making a continuous length of vulcanized rubber comprising means for continuously supplying a length of rubber, means for confining a vulcanizing medium, and means for subjecting the length of the rubber to said vulcanizing medium in successive turns comprising an upper endless conveyor having an upper plane material-conveying surface for receiving an upper section of each turn, and a lower endless conveyor having an upper plane material-conveying surface for conveying the



lower portion of each turn and travelling in a generally opposite direction from the upper material-conveying surface of the upper conveyor, the principal portion of the upper conveyor being positioned directly above the principal portion of the lower conveyor and the line of movement of a point on one conveyor lying in a vertical plane which intersects at an acute angle the vertical plane containing the line of movement of a point on the other conveyor.

2,200,736
CAMERA SUPPORTING PEDESTAL
Alda V. Bedford, Collingswood, and Knut J. Magnusson, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Original application November 5, 1936, Serial No. 109,390. Divided and this application September 30, 1937, Serial No. 166,478
4 Claims. (Cl. 280—48)

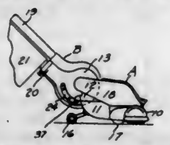


1. In a mobile supporting pedestal structure wherein the object to be supported is secured to a supporting member carried upon the pedestal, a plurality of wheels for supporting said pedestal, a sprocket mounted on each of said wheels, a single sprocket chain for interlocking and simultaneously rotating the sprockets on said wheels, and steering means for rotating the sprocket chain so as to control in accordance with the displacement from normal the position of the axes of said wheels, said latter means including a manually operable linear arm member, the arm member being positioned so that the path of travel of the pedestal is along the continuation of the line formed by said arm member.

2,200,737
ELECTRIC WELDING
Edwin A. Clapp, Niagara Falls, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
No Drawing. Application August 10, 1937, Serial No. 158,292
2 Claims. (Cl. 219—10)

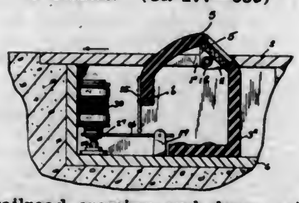
1. In a process which comprises electrically melting metal from a bare metal electrode and coalescing the molten metal with metal of a steel workpiece containing sulfur bands or a sulfur content above 0.03%, while maintaining over the molten metal and the melting end of the electrode a conductive melt consisting principally of alkaline earth metal silicate substantially free from substances that evolve gas under welding conditions, the improvement which comprises incorporating a minor proportion of manganese oxide in said melt, the proportion of manganese in said oxide amounting to about 3% to 12% of the melt.

2,200,738
VACUUM CLEANER
Dewey M. Dow, Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application September 30, 1936, Serial No. 103,327
1 Claim. (Cl. 15—16)



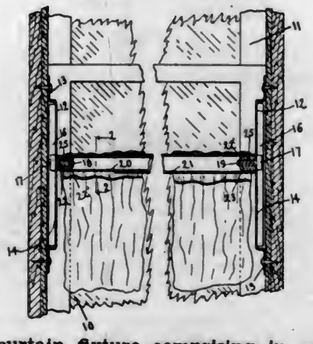
In a vacuum cleaner having a suction chamber with a pair of rearwardly extending suction outlets, and having a fan casing arranged between said suction inlets and communicating with said fan casing, said fan casing being pivotally connected to said suction inlets, a handle secured in said fan casing and adapted to pivot said fan casing, means for maintaining said fan casing in any one of a series of selected adjusted positions comprising a plate in the form of a segment of a circle and having series of detent openings in the plate, said plate being exteriorly affixed to one side wall of said fan casing, a bracket attached to one of said suction outlets, a retractible means mounted in said bracket, said retractible means being capable of engagement with any one of said detent openings for holding said fan casing in a selected position relative to the suction chamber, and foot pedal operated means to actuate said retractible means.

2,200,739
RAILROAD CROSSING AND DANGER SIGNAL
Clyde Evans, Portland, Oreg.
Application February 15, 1936, Serial No. 64,110
3 Claims. (Cl. 177—339)



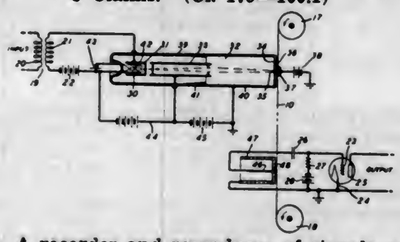
2. A railroad crossing and danger signal for roadways, comprising a plurality of frames spaced at predetermined distances from a danger region and each embedded in the roadway with its upper surface level therewith, each frame being provided with one or more longitudinal slots extending transversely of such roadway, a flexible member in each slot and each being mounted in a frame and projecting through a slot and extending above the surface of the roadway, said member being depressed by the wheels of passing vehicles, an electric switch closed by the member when depressed, a transparent plate in the projecting portion of such member bearing a warning legend, an electric lamp mounted in the frame proximate one end of the flexible member, means for reflecting light rays from the lamp toward the reverse side of the plate, a circuit for said lamps closed by certain of said switches, and electrically operated switch opening means for opening the lamp circuit switches including a circuit for energizing said switch opening means controlled by other of the switches.

2,200,740
CURTAIN FIXTURE
Joseph E. Gaudet, Boston, Mass.
Application June 23, 1939, Serial No. 280,753
3 Claims. (Cl. 156—22)



1. A curtain fixture comprising in combination, a pair of channeled brackets slotted through their major faces, a pair of headed bolts slidable but non-rotatable in the respective brackets, and a telescopic tubular curtain supporting member having the ends thereof axially tapped to engage the respective bolts and rotatable to clamp the bolts and support in adjusted position on the brackets.

2,200,741
ELECTROSTATIC RECORDING AND REPRODUCING
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 1, 1937, Serial No. 140,111
9 Claims. (Cl. 179—100.1)



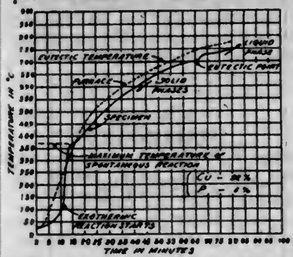
1. A recorder and reproducer of signals com-

prising a film of insulating material, a conducting backing for said film, means for generating electron beam, means for modulating said beam, means causing relative movement between said electron beam and said film for imparting a varying charge to successive portions of the surface of said film remote from said conducting backing, means for applying a polarizing voltage to said conducting backing, and means for utilizing said varying charge at a later time to control the production of signals.

2,200,742
TREATMENT OF PHOSPHORUS
Charles Hardy, Pelham Manor, N. Y., assignor to Hardy Metallurgical Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 21, 1938, Serial No. 241,609
15 Claims. (Cl. 75—122)

1. A metallurgical addition agent capable of generating heat at elevated temperatures but substantially stable under atmospheric conditions and comprising the powder of a metal with which phosphorus tends to combine exothermically, the particles of the powder containing diffused free phosphorus.

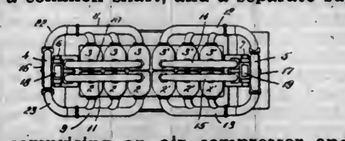
2,200,743
METHOD OF MAKING A COMPOSITION OF PHOSPHORUS AND METAL
Charles Hardy, Pelham Manor, N. Y., assignor to Hardy Metallurgical Company, New York, N. Y., a corporation of Delaware
Application November 26, 1938, Serial No. 242,601
18 Claims. (Cl. 75—135)



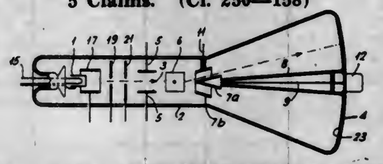
1. A method of making a composition of phosphorus and metal, said composition being substantially stable under atmospheric conditions but capable of generating exothermic heat at elevated temperatures, which comprises heating in the presence of phosphorus a finely divided substantially uncompressed mass of a metal having a tendency for combining exothermically with phosphorus, the heating being conducted at a temperature above the melting point of yellow phosphorus but below that at which the phosphorus combines completely with the metal, whereby uncombined phosphorus penetrates the metal powder particles and becomes substantially stable under atmospheric conditions.

2,200,744
BALANCED COMBUSTION ENGINE
Hans Heinzelmann, Effretikon, Switzerland, assignor to Sulzer Frères, Societe Anonyme, Winterthur, Switzerland
Application May 21, 1936, Serial No. 80,961
In Switzerland May 31, 1935
8 Claims. (Cl. 60—13)

1. A combustion engine including a plurality of cylinders and superchargers grouped in banks, each bank comprising two rows of cylinders, each row of cylinders having its pistons connected to a separate shaft, drive means connecting each shaft to a common shaft, and a separate supercharger comprising an air compressor and an exhaust-gas turbine for each bank, each compressor and turbine being connected with the cylinders of its respective bank by pipes symmetrically disposed with respect to said bank.

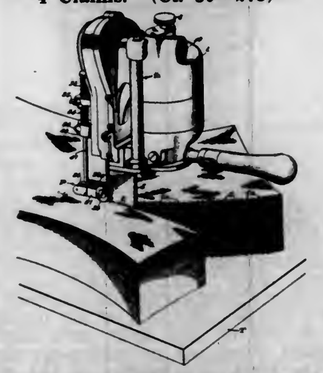


2,200,745
ELECTRON DISCHARGE DEVICE
Otto Heymann, Berlin-Siemensstadt, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application October 15, 1937, Serial No. 169,090
In Germany July 8, 1936
5 Claims. (Cl. 250—158)



1. A cathode ray tube comprising an envelope having an end wall completely closing said envelope, means for forming a beam of electrons supported from the envelope opposite to the end wall, a first electrode system for deflecting the beam in mutually perpendicular directions, a concentric electrode system for radially deflecting the beam, and means to support a part of the second electrode system from the end wall.

2,200,746
MECHANISM FOR CUTTING AND PINKING FABRIC
George M. Hoskwith, New York, N. Y.
Application July 20, 1938, Serial No. 220,169
4 Claims. (Cl. 30—273)



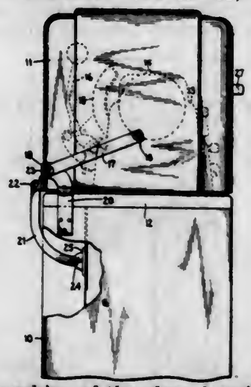
1. A cutting and pinking mechanism adapted to cut and pink a plurality of layers of material by a succession of pinking cuts, comprising a base, a propelling wheel mounted on said base, drive mechanism mounted on said base to actuate said propelling wheel intermittently so as to

move said base intermittently, a motor mounted above said base, an upright standard supporting said motor, drive means forming a connection between the motor and said drive mechanism, cutting means vertically reciprocable relative to said base and standard, said cutting means and standard and the part of said drive means which is located between the top and bottom of said standard lying substantially in a common plane in substantially the line of travel of said base, and means actuated by said motor for vertically reciprocating said cutting means.

2,200,747
ANTIOXIDANT
Louis H. Howland, Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 3, 1935, Serial No. 29,649
3 Claims. (Cl. 260—809)

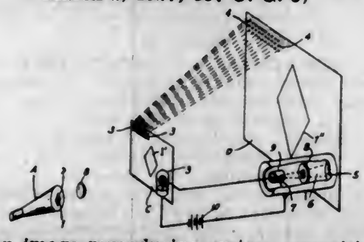
1. A process of preserving rubber which comprises adding to the same a composite product of reaction of a secondary aromatic amine chosen from the class consisting of the benzene and naphthalene series compound of the type R—X where R is an aliphatic hydrocarbon radical and X is a radical selected from the group consisting of OH and halogen, said product containg a major proportion of alkylated secondary aromatic amine material.

2,200,748
IRONING MACHINE
Gustav B. Keil, St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application March 29, 1937, Serial No. 133,491
4 Claims. (Cl. 45—68)



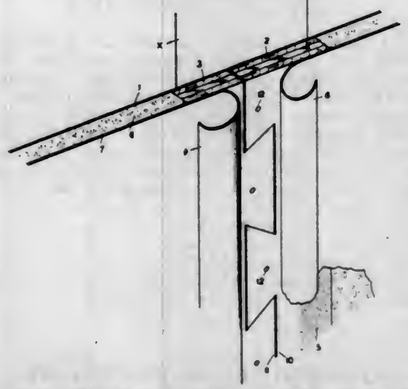
1. In a machine of the class described a main support adapted to carry ironing means thereon, a cover arranged to conceal said ironing means, and connections between said cover and support comprising three links in different, widely spaced, vertical planes pivotally attached to said cover and support, the axis of the pivotal connection of one of said links with said cover and support being out of alignment with the axis of the pivotal connection of the other of said links with said cover and support, said links being arranged to enforce a predetermined combined pivotal and bodily movement of said cover, the intermediate one of said links being arranged to bear against said support to limit such movement.

2,200,749
TELEVISION PICTURE REPRODUCING APPARATUS
Roland John Kemp, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application September 8, 1936, Serial No. 99,807
In Great Britain September 7, 1935
5 Claims. (Cl. 178—7.5)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. An image reproducing system comprising a plurality of light sensitive devices lying in a common plane, a cathode ray tube having a fluorescent screen, optical means for projecting a light image produced point-by-point sequentially and formed on the fluorescent screen upon the plurality of said light sensitive devices to energize the same in a predetermined sequence, a plurality of cathode ray tubes each having a luminescent screen lying in a common plane, and control channels from each of said plurality of light sensitive devices to each of the plurality of cathode ray tubes to actuate the luminescent screens in said predetermined sequence in accordance with the light impinging on the plurality of said light sensitive devices whereby an enlarged image corresponding to that on the fluorescent screen is produced.

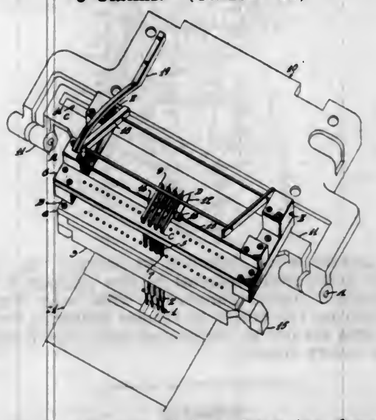
2,200,750
WALLBOARD
James T. Kenney, Antioch, Calif.
Application June 15, 1938, Serial No. 213,815
3 Claims. (Cl. 72—16)



1. A wallboard comprising a slab of friable material; marginal nailing strips of substantially the same thickness as said slab of material having nailing characteristics superior to those of said slab and fixed to opposite edges of said slab in substantially the plane thereof, a backing sheet of fibrous material directly adhering to the rear surface of said slab and strips; and a facing sheet

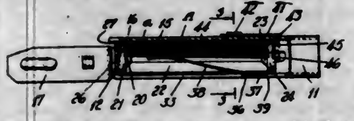
of thin material directly adhering to the front surface of said slab and strips, the edges of said facing sheet being adapted to overlap the edges of the facing sheet of an adjoining wallboard.

2,200,751
MACHINE TO SELECT, SEGREGATE, AND CHOOSE ADDRESSOGRAPH FRAMES
Stewart Ormsby Krieger, Olympia, Wash., assignor to Will M. Derig
Application February 14, 1938, Serial No. 190,468
5 Claims. (Cl. 101—58)



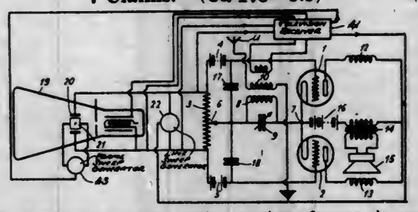
1. In a machine of the character described, having a driving means operable to effect intermittent advancement of tab equipped printing frames in succession through one or more stations to a printing station, a platen operable by said means in accordance with the disposition of said printing frames at the printing station to coact therewith to effect a printing operation, and a selector mechanism operable under control of the tab equipped printing frames to control the functional operations of the platen; said selector mechanism comprising a frame that is adapted to be moved by the driving means through certain initial and final movements toward each printing frame while the latter is disposed at one of the stations, a movable latch member for normally limiting the downward travel of the selector frame to its initial movement, and feeler devices on the selector frame adapted to be actuated incident to the initial movement of the selector frame by tabs on the printing frames to move the said latch to a release position, thus to allow movement of the selector frame to continue through its final movement, thereby to permit a functional actuation of the platen.

2,200,752
MAGAZINE FOR RAZOR BLADES
Leopold Kuhnl, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application March 29, 1939, Serial No. 264,712
2 Claims. (Cl. 206—16)



2. A magazine ejector for razor blades comprising a housing, a plunger mounted for reciprocation along an inner wall of the housing for ejecting blades contained therein, a blade stack retaining receptacle enclosed within the housing, said receptacle comprising an open top boxlike structure, and a blade-lifting spring having a cantilever connection with the bottom of the receptacle and adapted to act resiliently on the bottom of a stack of blades in the receptacle, the cantilever connection being adapted to flex the bottom of the receptacle outwardly against a wall of the casing and thus force an end wall of the receptacle against the said inner wall of the housing.

2,200,753
TELEVISION SYSTEM
Alfred Aubyn Linsell, Sydenham, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application February 21, 1936, Serial No. 65,005
In Great Britain March 4, 1935
7 Claims. (Cl. 178—5.8)



6. A sound accompanying system for use in connection with television comprising a television receiver, a super-regenerative sound receiver, and means for positioning a picture upon a viewing screen, said positioning means comprising locally generated saw-tooth wave energy, and means to energize the sound receiver by the locally generated saw-tooth wave energy.

2,200,754
SANITARY PAD HOLDER
Aniela Majewski, Chicago, Ill.
Application February 20, 1939, Serial No. 257,399
4 Claims. (Cl. 128—290)

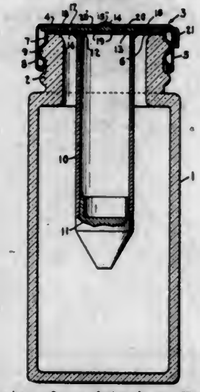


3. A sanitary pad holder comprising a casing including bottom and upper walls, the upper wall being provided with an opening through which the pad may be inserted into the casing, a supporting member disposed below said opening and slung within said casing in a spaced relation with said bottom and upper walls, said supporting member having an orifice for maintaining therewithin the critical portion of the pad and below said opening, and a plurality of teeth upwardly projecting from said supporting member for engaging said pad for preventing the displacement of the critical portion of the pad from said orifice.

2,200,755
CONDIMENT SHAKER
William McArthur, East Orange, N. J.
Application May 2, 1938, Serial No. 205,469
1 Claim. (Cl. 65—45)

The combination with a container, of a closure

therefore comprising an outer shell having a substantially flat top wall and a marginal depending skirt, a cap member within said shell and having a substantially flat top wall and a marginal depending skirt, said cap and shell portions being secured together against longitudinal and rotational movement by the curling of the marginal edge of the skirt of one of said members tightly about the skirt of the other of said members, said cap member having a screw thread for operatively engaging with the said container in removable relation, said cap member having a receptacle depending therefrom and entering within said container with a space between it and the container, said cap and shell



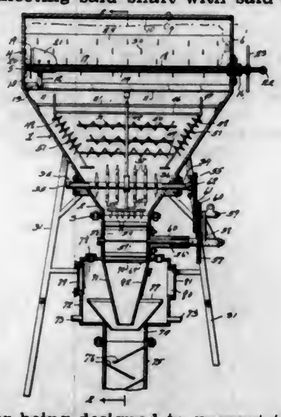
having two sets of registering dispensing openings, one of said sets being centrally arranged and adapted to permit dispensing from the said receptacle and the other of said sets of openings being arranged outside of said central set and adapted to permit dispensing from said container, a substantially flat plate between the said top walls and rotatable with relation thereto, said plate having two sets of openings corresponding to the said central and outer sets of openings in said top walls, and adapted to control dispensing through said inner sets and outer sets respectively by rotation of said plate, said plate having an operating finger piece and said shell member having a slot through which said finger piece extends to the exterior of the closure.

2,200,756
TREATMENT OF RUBBER
William E. Messer, Cheshire, and Henry H. Bassford, Jr., Naugatuck, Conn., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 2, 1937, Serial No. 162,163
10 Claims. (Cl. 260—809)

1. A method of preserving organic substances which tend to deteriorate by absorption of oxygen from the air which comprises incorporating therein an anti-oxidant consisting of a polymeric C-alkenyl substituted diarylamine.

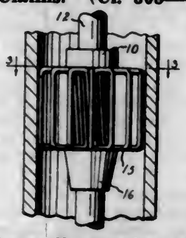
2,200,757
MATERIAL MIXING MACHINE
Amos L. Miller, Foss, Okla.
Application July 5, 1939, Serial No. 282,911
5 Claims. (Cl. 259—4)

1. In a machine of the character described, a hopper having a bottom outlet, a shaft extending transversely through the lower part of the hopper above the outlet, means for rotating said shaft, a vertically reciprocable agitator structure within the hopper, eccentric means within the hopper connecting said shaft with said agitator,



said agitator being designed to prevent the clogging of powdered material in the hopper, a rotary housed feeder connected with said hopper and covering the outlet to receive material therefrom, and an outlet connected with the housing of the rotary feeder.

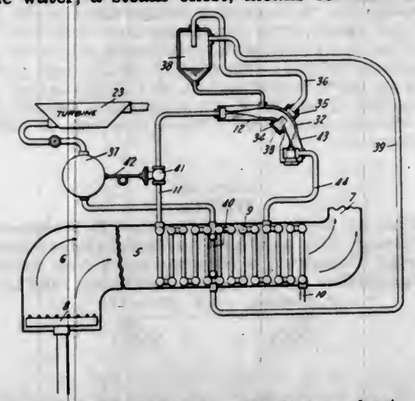
2,200,758
ROD GUIDE
Feri A. Thaheld, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application January 25, 1936, Serial No. 60,798
10 Claims. (Cl. 308—4)



6. A guide for well pumping rods adapted to be inserted in the usual tubing including, an elongate bushing having shoulders and a reduced shank between said shoulders, a resilient collar comprising a coiled spring surrounding the shank and holding said bushing spaced from the well tubing so that oil may freely pass between said bushing and tubing.

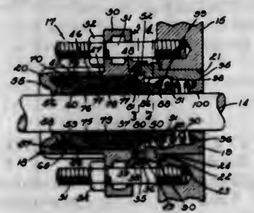
2,200,759
STEAM GENERATOR
Edward T. Turner, Dayton, Ohio
Application October 12, 1938, Serial No. 234,641
7 Claims. (Cl. 122—356)

1. In a steam generator, a conduit adapted to be connected with a source of products of combustion, a second conduit adapted to be connected with a source of water supply and arranged to conduct water in counterflow heat exchange relation to the products of combustion in the first mentioned conduit to heat said water to a high temperature and high pressure, a third conduit to receive said water from said second conduit and including an expansion chamber to convert a portion of said water into steam and to expand said steam to convert pressure energy into velocity energy, means arranged beyond said expansion chamber to separate the steam from the water, a steam chest, means for delivering



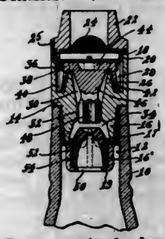
the separated steam to said steam chest, and means for returning the separated water to said second conduit at a point therein where the water in said second conduit is at a temperature approximating the temperature of the returned water.

2,200,760
PACKING FOR PISTON RODS
Clarence White, Walnut Park, Calif.
Application February 18, 1938, Serial No. 191,206
12 Claims. (Cl. 286—30)



1. In a piston rod packing of the character described, the combination of: a shell surrounding said rod, said shell being attachable to a wall of a cylinder through which said rod extends; a wall at the outer end of said shell formed to provide an inwardly tapered annular surface; a tubular member within said shell of such diameter as to provide an annular space between the interior wall of said shell and said tubular member; a sealing member of compressible material carried on the outer end of said tubular member and having a tapered face formed to seat on said tapered surface of said shell; compressible packing members in the interior of said tubular member in contact with said rod; a follower engaging said packing members for compressing the same into sealing engagement with said rod; and a compression member associated with resilient means for forcing said follower against said packing members, said follower and said compression member being formed to provide passages communicating between said annular space and the interior of said cylinder whereby the medium under the internal pressure of said cylinder may exert a force on said sealing member to press the same against said tapered surface of said shell.

2,200,761
DEVICE FOR PREVENTING THE REFILLING OF BOTTLES AND THE LIKE
Liborio Amaru, Medford, Mass., assignor of one-half to Fortunata Amaru, Medford, Mass.
Application December 2, 1937, Serial No. 177,691
2 Claims. (Cl. 215—25)



1. A liquid-flow control device comprising a hollow plug body adapted to be secured in the mouth of a container, and having interiorly at the inward end of the plug a valve seat surrounding an opening there for outflow from the container through the hollow of the plug; and a valve loose in the hollow of the plug body arranged to seat in axial direction for closing said opening against inward flow of liquid; said loose valve being of material whose specific gravity is so nearly the same as the specific gravity of the liquid which is to be controlled that said valve responds to a slight differential of forces applied by liquid to opposite sides of the valve; a second valve in the hollow of the plug, arranged as a barrier to straight line access to the first mentioned valve; said first mentioned valve having a recess in its face which is toward the second valve, located and adapted to receive impact of liquid flowing past the second valve; there being a devious passage leading past said second valve when that valve is unseated, and a passage guiding liquid from its seat to the recess of the first mentioned valve.

2,200,762
PRODUCTION OF RESINS FROM ALDEHYDES AND AROMATIC HYDROCARBONS
George K. Anderson and Edward A. Taylor, Pittsburgh, and John B. Fishel, Oakmont, Pa., assignors to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 29, 1938, Serial No. 216,469
14 Claims. (Cl. 260—67)

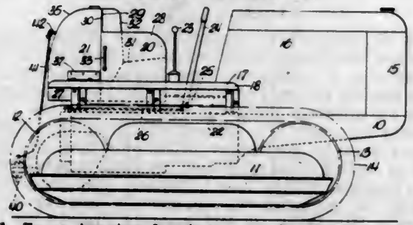
1. In a method of making resin by reaction of an aldehyde upon an aromatic hydrocarbon, the step which comprises subjecting a mixture of an aldehyde and an aromatic hydrocarbon to the condensing and polymerizing influence of a catalyst selected from the group consisting of mixtures and reaction products of alkyl ethers and concentrated sulfuric acid, said ethers being not chemically involved in said condensation and polymerization.

2,200,763
PRODUCTION OF ALDEHYDE-AROMATIC HYDROCARBON RESINS
George K. Anderson and Edward A. Taylor, Pittsburgh, and John B. Fishel, Oakmont, Pa., assignors to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 29, 1938, Serial No. 216,468
3 Claims. (Cl. 260—67)

1. That method of making resin which com-

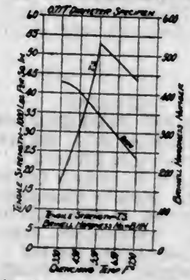
prises subjecting a mixture of an aldehyde and an aromatic hydrocarbon to the influence of a modified sulfuric acid catalyst comprising concentrated sulfuric acid adsorbed on activated clay, and to a temperature productive of condensation of said aldehyde and hydrocarbon, and recovering polymerized condensation product of said aldehyde and hydrocarbon.

2,200,764
FUEL TANK AND SEAT MOUNTING
David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and William O. Bechman, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application November 6, 1937, Serial No. 173,068
4 Claims. (Cl. 280—5)



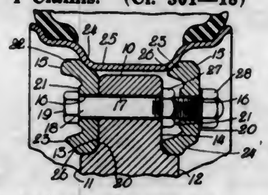
1. In a tractor having a main frame, a seat carried thereabove and adjacent the rear end thereof, said seat including a pair of oppositely disposed side walls and a substantially upright transverse rear wall, and a fuel tank carried above the main frame at the rear of the seat and formed with a bottom and front, rear, top and side walls, said front wall being of a height substantially coincident with the height of the rear wall of the seat and lying closely adjacent thereto, said side walls of the tank lying substantially within the respective planes of the side walls of the seat, said top and rear walls of the tank meeting in a curved surface coextensive with said top and rear walls, said rear wall and a tank side wall meeting in a curved surface co-extensive therewith and with the first curved surface, and said top wall and a side wall meeting in a curved surface co-extensive therewith and with the aforesaid curved surfaces, said three surfaces meeting in a co-extensive surface substantially the section of a sphere.

2,200,765
HEAT TREATMENT OF CAST IRON
Edward L. Bartholomew and John D. Paine, Jr., Marblehead, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 13, 1937, Serial No. 142,446
4 Claims. (Cl. 148—21.7)



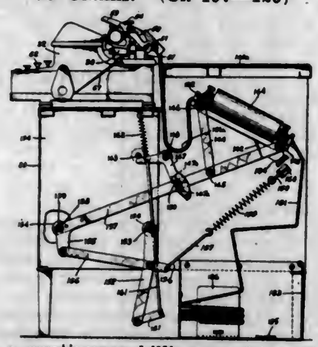
4. The method of treating cast iron castings containing at least 3.0% carbon to obtain a product having an appreciable amount of austenite retained therein so that upon cold working the austenite decomposes in a finely divided crystalline structure imparting hardness and resistance to wear to the product, which method comprises heating the castings to a temperature above its critical range for a period of time sufficient to provide a predominantly austenitic structure in the iron castings, then quenching the iron castings in a bath maintained at a temperature of from 550° F. to 750° F. for a period of from 15 to 30 minutes, and then cooling the iron to room temperature.

2,200,766
WHEEL
William O. Bechman and Rudolph A. Holmberg, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application April 28, 1939, Serial No. 270,615
4 Claims. (Cl. 301—18)



1. A tire and wheel assembly comprising a wheel, a demountable rim carried thereon, a rim-supporting clamp member disposed at one side of the wheel to engage one side of the rim, a bolt passed through the clamp member and the wheel, a nut on the bolt at the other side of the wheel for securing the clamp and bolt, and a second clamp member at the other side of the wheel engaging the other side of the rim, said clamp being secured in position by the aforesaid bolt and being formed with a recess accommodating the aforesaid nut.

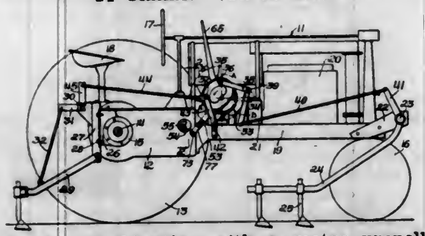
2,200,767
TYPEWRITING MACHINE
Charles H. Beiderbecke, Lyons, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 22, 1938, Serial No. 215,110
15 Claims. (Cl. 197—126)



1. In a continuous billing machine, the combination of a carriage having a platen displaceable from a forms typing to a carbon stripping position; a forms carrier movably mounted behind the carriage independently thereof, said forms carrier having means to anchor carbon

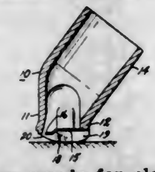
sheets interleaved with the forms; means to align the carriage with the forms carrier and means to prevent displacement of the platen except when the carriage is aligned with the forms carrier.

2,200,768
POWER LIFT
Bert R. Benjamin, Oak Park, and Carl W. Mott, La Grange, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application November 10, 1938, Serial No. 239,776
14 Claims. (Cl. 97—50)



1. The combination with a motor propelled vehicle, of an implement mounted for movement on the front of the vehicle, another implement mounted for movement on the rear of the vehicle, means operable by the motor for moving the implements, and means for so connecting the implements to said moving means including a single actuated device common to both implements as to provide successive movement of the front and rear implements respectively upon operation of said moving means.

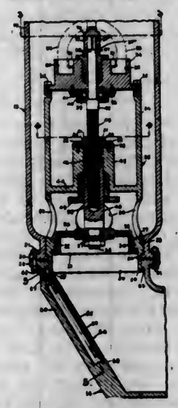
2,200,769
SUCTION NOZZLE
Gustaf Erik Björkman, Saltsjo-Nacka, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application March 3, 1936, Serial No. 66,834
In Germany March 5, 1935
3 Claims. (Cl. 15—155)



1. In a suction nozzle for cleaning a surface, means including a pair of longitudinally extending side walls and a pair of transversely extending end walls defining an elongated hollow nozzle body, and means for connecting said hollow body to a source of suction, said hollow body being formed with an elongated suction opening disposed between said end walls, said end walls having rounded bottom surface contacting portions depending below said side walls, said suction opening being off-center with respect to said rounded portions whereby the distance between said suction opening and the surface is variable by rocking said nozzle on said rounded portions.

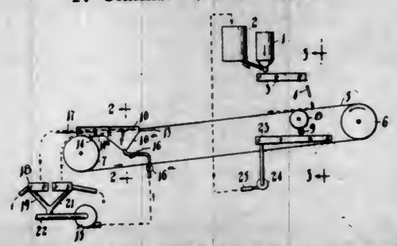
2,200,770
FIRE HYDRANT
Harry J. McCombs Burdick, Anaheim, Calif.
Application January 22, 1937, Serial No. 121,788
9 Claims. (Cl. 137—13)

1. A fire hydrant, said fire hydrant including a hollow upper portion, a hollow intermediate portion and a hollow lower portion, said upper portion having a plurality of outlet members thereon, said lower portion having an inlet aperture and an outlet aperture, a valve device including a housing engaging said intermediate portion, said valve housing having a reduced lower end projecting through said outlet aperture of said lower portion, a valve plate member, mounted on said lower portion, said lower portion including a



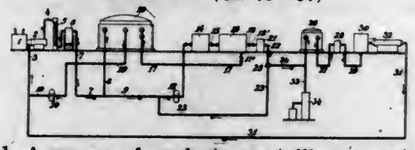
valve seat surrounding said outlet aperture adapted to be engaged by said valve plate, said valve housing having a recess therein opening into said lower portion, a valve seat portion positioned in said recess, a closure valve adapted to engage said valve seat, said valve housing above said valve seat including a plurality of apertures opening into said intermediate portion and means on said lower projecting end to move said valve plate member out of engagement with its associated valve seat.

2,200,771
APPARATUS FOR AND METHOD OF SEPARATING SEEDS
Frederick Charles Dyer and Albert Wellington Campbell, Toronto, Ontario, Canada; said Campbell assignor to Harold Langdon McClelland, Toronto, Ontario, Canada
Application November 1, 1937, Serial No. 172,100
17 Claims. (Cl. 209—207)



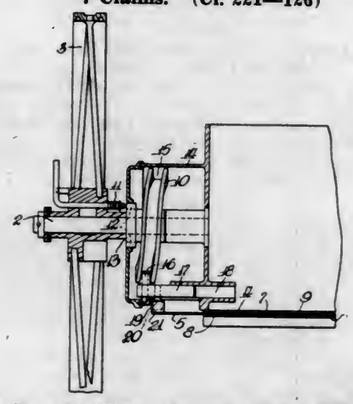
3. Apparatus for separating seeds from seeds, including a travelling conveyor on which the seeds are carried in a thin layer, said conveyor having apertures or spaces therein of such size that liquid may pass freely therethrough; means for causing liquid to flow upwardly through the conveyor and with the conveyor in its direction of travel to float the more floatable seeds from the belt; means for preventing lateral flow of the liquid above the conveyor; and means for separating the floating seeds from the liquid.

2,200,772
PROCESS OF PRODUCING METALLIC MAGNESIUM
Konrad Erdmann, Radenthein, Germany, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa.
Application April 27, 1939, Serial No. 270,330
In Germany May 12, 1938
8 Claims. (Cl. 75—67)



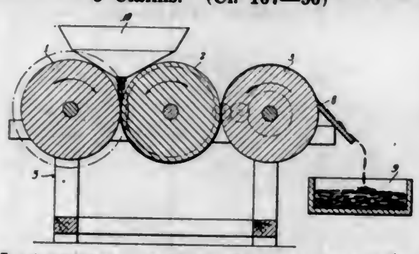
1. A process of producing metallic magnesium, which comprises evolving magnesium vapor from magnesium-containing prime material by thermal reduction with the aid of a carbonaceous matter and diluting and suddenly chilling, by a supply of large quantities of hydrogen, the disengaged vapors at the point of their exit from the reduction chamber so as to condense magnesium in powdery form, separating off the powdery condensate from the accompanying gas mixture, removing from the escaping gas mixture, by selective adsorption on activated carbon at low temperature, an amount of carbon monoxide corresponding to the increment due to the carbon monoxide formation in the reduction stage, and then using the purified gas mixture again in a circuit as diluting and cooling gas.

2,200,773
FERTILIZER DISTRIBUTOR
Jacob von Straten Finne, Norrkoping, Sweden, assignor to International Harvester Company, a corporation of New Jersey
Application May 27, 1937, Serial No. 145,012
In Germany October 28, 1936
7 Claims. (Cl. 221—126)



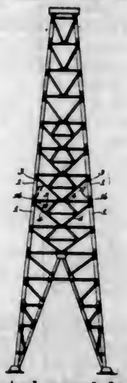
1. In a fertilizer distributor having a hopper, a pair of spaced parallel grids fixed at the bottom of said hopper and having openings therethrough, an intermediate grid mounted for reciprocation between said spaced grids longitudinally of the hopper and having openings therethrough, said intermediate grid being mounted also for movement between the spaced grids in a direction transversely of the hopper, means for reciprocating the intermediate grid to permit intermittent registry of the openings in the intermediate and one of the other grids, and means for moving said intermediate grid transversely, the combination with the grids of an imperforate portion on said intermediate grid adapted to be positioned by the last named means at various points with respect to the openings in the fixed grids to partially or entirely shut off said openings.

2,200,774
METHOD FOR PREPARING AGAR-AGAR FLAKES
Thomas W. Halliday, Los Angeles, Calif.
Application December 9, 1935, Serial No. 53,566
5 Claims. (Cl. 167—56)



5. A process of preparing agar-agar flakes, including the steps of tempering the agar-agar, adding a lubricant thereto, and then subjecting the agar-agar and lubricant to the action of pressure, and stretching the agar-agar.

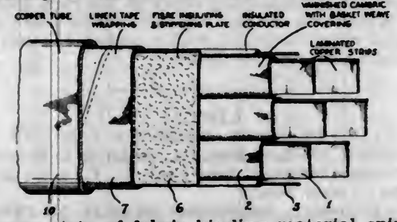
2,200,775
DERRICK
Charles L. Henry, Pittsburgh, Pa., assignor to Lee C. Moore & Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application August 15, 1938, Serial No. 224,842
6 Claims. (Cl. 189—13)



5. A prefabricated panel for use in forming a derrick, comprising a horizontal girt, a gusset plate welded to each end of the girt, a pair of inclined braces converging vertically with their outer ends welded to said plates, and a connecting member welded to the adjacent inner ends of the braces, said member and plates being provided with holes for receiving fastening members whereby to connect the panel to other derrick panels and derrick legs to form a derrick.

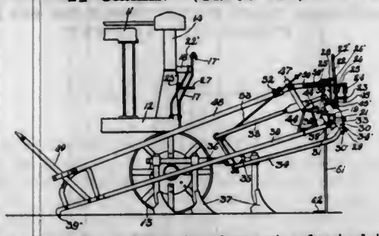
2,200,776
FLAT CABLE CONSTRUCTION
Vaino A. Hoover, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application December 8, 1937, Serial No. 178,740
1 Claim. (Cl. 173—244)

The method of constructing a flat multiple-conductor cable, which comprises the steps of: assembling at least three individually insulated relatively thin, flat strip conductors in side-by-side relation with their flat sides in alignment, applying sheets of stiffening material to opposite sides of said conductors to prevent transverse buckling of said conductors; wrapping a con-



tinuous strip of fabric binding material spirally about said conductors and stiffening sheets to thereby secure the latter in assembled relation and permit handling thereof without disturbing the relative positions of said conductors and stiffening sheets; and pushing the wrapped assembly endwise into a tubular metallic sheath.

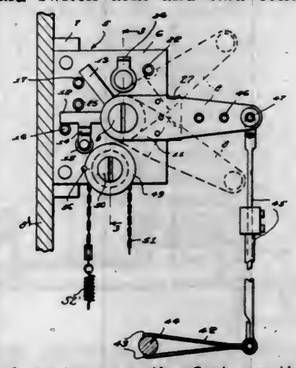
2,200,777
TRACTOR IMPLEMENT ATTACHMENT
Alexus C. Lindgren, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 7, 1938, Serial No. 233,709
11 Claims. (Cl. 97—47)



1. A ground-working implement adapted to be directly connected to a tractor, the implement comprising a transverse tool-carrying means, spaced longitudinal beam members connected to the transverse tool-carrying means for vertical pivotal movement with respect thereto, and means forming a part of each beam member and associated with said transverse tool-carrying means for fixing the respective beam member and tool-carrying means against relative vertical pivotal movement when the implement is attached to the tractor.

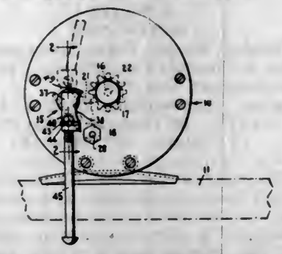
2,200,778
CONTROL FOR VEHICULAR REAR SIGNAL LIGHTS
Carlos G. Moreno, Cleveland, Ohio
Application May 1, 1939, Serial No. 271,187
6 Claims. (Cl. 200—59)

1. In a switch of the character described, a ground contact and a pair of hot contacts, a movable switch arm, a pair of pivoted contact arms having frictional engagement with said switch arm, one of said contact arms being arranged for movement in response to said switch arm into and out of engagement with said ground contact and the other of said switch arms being movable in response to said switch arm into and out of engagement with one of said hot contacts, said switch arm being of conductive material and provided with a contact engageable with the other of said hot contacts, the arrangement of said contacts and the frictional connection between said switch arm and said contact arms



being such as to cause the first-mentioned contact arm to be engaged with the ground contact when either the second-mentioned contact arm or the contact on said switch arm is engaged with a hot contact.

2,200,779
FISHING REEL
Nathan Polikoff and William Gunner, Brooklyn, N. Y.
Application June 17, 1938, Serial No. 214,336
4 Claims. (Cl. 242—84.5)



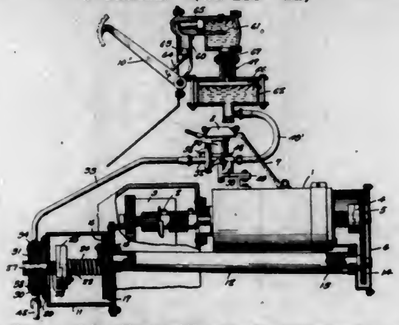
1. In a fishing line reel of the type described including supported, spaced, essentially parallel reel end plates, an axle, rotatably mounted in said end plates, carrying a line spool fixedly secured thereto and rotatable therewith; the improvement which comprises braking means for inhibiting rotation of said spool and a pendulum for controlling operation of said means.

2,200,780
MACHINE WEAPON
Hugo Schmeisser, Suhl, Germany
Application December 30, 1936, Serial No. 118,370
In Germany September 3, 1935
5 Claims. (Cl. 42—72)



1. In a firearm having a butt, a retractable shoulder support mounted upon said butt and a movable plate also mounted upon said butt to supplement the form of said butt when said support is retracted.

2,200,781
STARTING APPARATUS
Royal C. Smith, Wilberforce, Ohio
Application August 4, 1937, Serial No. 157,422
9 Claims. (Cl. 185—11)

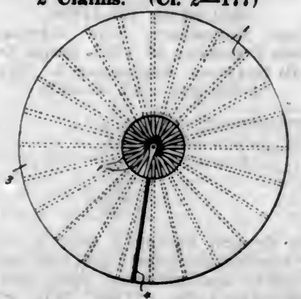


1. In combination with an electric starter motor including a drive mechanism for connecting and disconnecting said motor to an engine and an electric circuit for the motor and having a switch for the control thereof, a mechanical drive, a ratchet mechanism for connecting said mechanical drive to said motor, and a manually actuated hydraulic means for actuating said mechanical drive and including means for the simultaneous actuation of the switch when desiring to electrically operate the motor concurrently with the actuation of the mechanical drive by said hydraulic means.

2,200,782
DETINNING
Anton Vollmer, Berlin-Tegel, Germany, assignor to Metal & Thermit Corporation, Carteret, N. J., a corporation of New Jersey
No Drawing. Application April 1, 1937, Serial No. 134,423. In Germany May 23, 1935
18 Claims. (Cl. 204—57)

5. In the detinning of tin scrap, tin coated metals, tin plate waste and the like, the process which comprises establishing and maintaining a stripping bath containing an aqueous caustic alkali solution of a nitro-substituted organic compound of the benzene series, which compound is stable in said alkali solution and toward anodic oxygen, stripping tin in said bath and electrolytically depositing the dissolved tin on a cathode dipped into said bath.

2,200,783
SUN HAT
Frieda Vollmer, New York, N. Y., assignor of one-half to Karl Vollmer, New York, N. Y.
Application March 17, 1939, Serial No. 262,459
2 Claims. (Cl. 2—177)

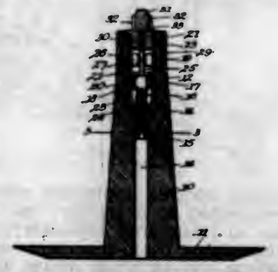


1. A hat of the class described comprising a plurality of rib forming rods each having one end flattened and enlarged with said flattened and enlarged ends placed one upon another, a pivot pin passing through said ends for pivotally connecting the rods together, a cover of flexible material, said cover being formed in the shape of a wide split ring with its ends separated, means for fastening the cover to the rods, means for detachably connecting the ends of the ring-shaped cover together, which makes the hat of substantially conical shape.

2,200,784
FLOCCULATING AQUEOUS LIQUIDS
Fredrick J. Wallace, Erie, Pa., assignor to Robeson Process Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 12, 1939, Serial No. 250,634
8 Claims. (Cl. 210—2)

1. In the treatment of aqueous liquid carrying suspended matter of colloid fineness with recovery of clarified liquid and of suspended matter, the process which comprises adding to such a liquid alkalized recovered lignin, flocculating the lignin and separating the clear liquor and the solid carried down by the lignin floc.

2,200,785
VALVE STEM
Frank H. Watson, Jonesboro, Ark., assignor, by mesne assignments, to Jenkins Bros., Bridgeport, Conn., a corporation of New Jersey
Application April 4, 1933, Serial No. 664,394
9 Claims. (Cl. 137—69.1)

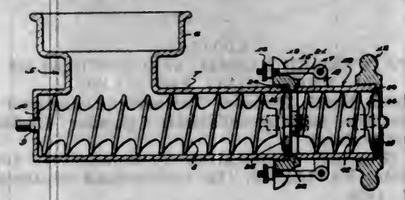


3. A valve stem comprising a rubber body portion provided with a through passage constricted near the tip of the stem to provide a downwardly faced shoulder, a valve element normally seated against said shoulder to close said passage, a relatively rigid tubular insert in the tip end of the stem with its inner end inset into the stem material around said shoulder, and a closure applicable to the tip end of the stem and having a skirt whose lower edge in the normal applied position of the closure confines the stem in the vicinity of said shoulder.

2,200,786
MEAT GRINDER
Otis Roy Ardrey, Jefferson City, Mo.
Application November 15, 1938, Serial No. 240,562
5 Claims. (Cl. 146—187)

1. In a twin style progressive product reduction grinder of the class described, a component auxiliary device comprising a secondary unit including an open-ended cylinder having an integral centrally apertured spider at one end, said one end being beveled, the inner face of the hub portion of said spider being formed with a socket

constituting a bearing, an apertured disk at the opposite end of said cylinder, a removable clamping and retention ring on the last named end of said cylinder holding said disk in place, a feeding worm axially mounted for rotation in said cylinder and having a journal at one end cooperable with said disk, there being a bushing



at the opposite end functioning as a journal and mounted for rotation in said bearing, said bushing having internal flat faces for accommodation of a companion driving member, bolts pivotally mounted on diametrically opposite external portions of the cylinder, and clamping nuts carried by said bolts in the manner and for the purposes described.

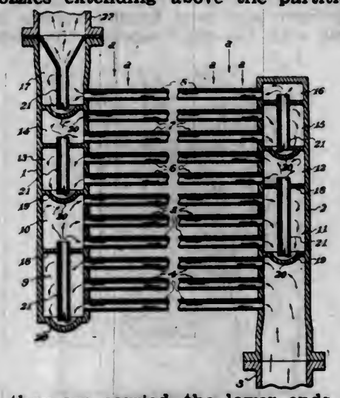
2,200,787
HEAT EXCHANGER BAFFLE SEAL
Joseph A. Coy, Tulsa, Okla.
Application January 27, 1939, Serial No. 253,198
1 Claim. (Cl. 257—239)



The combination with a heat exchanger baffle plate carried by a tube sheet and disposed between tubes carried by the tube sheet, of packing members disposed in channels in the edges of the baffle plate, tensioning bars longitudinally and laterally movable within the channels, hinged cam arms within the channels and cooperating with the tensioning bars for forcing them outwardly upon longitudinal movement thereof in one direction, the inner ends of said arms being rockably mounted in semicircular recesses in the edges of the plate, the outer ends of said arms being rockably mounted in semicircular shaped recesses in the bars and tangentially disposed shoulders carried by the recesses of the plate and bars on opposite sides of the arms and forming means for limiting the pivotal action of the arms upon movement of the bars in one direction.

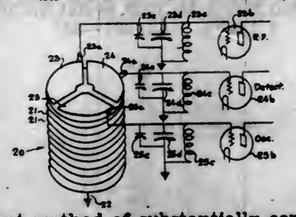
2,200,788
HEAT EXCHANGER AND ABSORBER
Joseph A. Coy, Tulsa, Okla.
Application February 18, 1939, Serial No. 257,196
2 Claims. (Cl. 257—28)

1. A heat exchanger comprising headers in spaced relation to each other, tubes connecting said headers in groups, said headers having partitions therein forming chambers with which the groups of tubes communicate thereby forming an upward circuitous passage through the exchanger, a discharge pipe carried by one of said headers, means carried by alternate partitions whereby uncondensed vapor will lift the condensate from chamber to chamber for merging with the non-condensed vapors as they pass through the groups of tubes said last named means comprising spraying nozzles extending above the partitions on



which they are carried, the lower ends of said nozzles terminating in condensate collecting depressions in the other partitions.

2,200,789
APPARATUS AND METHOD OF ELIMINATING SIGNAL FADING
Lewis D. Eckard, Washington, D. C.
Application October 6, 1938, Serial No. 233,680
22 Claims. (Cl. 250—20)

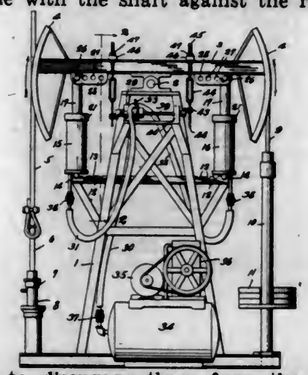


1. That method of substantially compensating for the frequency drift of the carrier wave due to atmospheric pressure changes and received by a wave receiving device, which comprises maintaining the receiving device in resonance with the frequency of the carrier wave in response to atmospheric pressure changes at the wave receiving device.

2,200,790
PUMP JACK
Felix H. Eckert, San Antonio, Tex.
Application June 16, 1938, Serial No. 214,108
5 Claims. (Cl. 121—160)

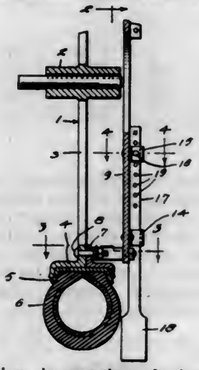
1. In a pump jack, a walking beam, a valve housing, means for directing fluid under pressure to said housing, separate means operated by fluid under pressure for oscillating the walking beam, said means being connected to the beam at opposite sides of its fulcrum, a rock shaft extending into the housing, means actuated by the walking beam for imparting a back and forth rotation to said shaft, and a valve on the shaft and in the housing for directing the fluid under pressure successively to the respective fluid-operating means and for exhausting fluid from each of said means while pressure is being supplied to the other one of said means, said valve comprising cooperating fixed and rotatable members, opposed latches, opposed stop fingers rotatable with the movable valve member and into engagement with the respective latches for

holding the valve member against rotation in either direction respectively, a coupling finger movable with said stop fingers, release fingers rotatable with the shaft against the respective



latches to disengage them from the engaged stop fingers, a coupling finger movable with the release fingers, and resilient means for transmitting thrust from one coupling finger to the other during their relative rotation.

2,200,791
TRACTOR WHEEL LUG
Lewis E. Frisbie, Iuka, Kans.
Application March 16, 1939, Serial No. 262,296
1 Claim. (Cl. 301—38)

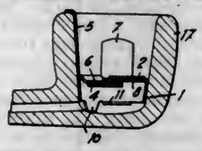


In a traction increasing device for a vehicle wheel having rim, bolts carried by said rim and extending axially of the wheel, a flat annulus disposed at the outer side of the wheel and concentrically therewith, a plurality of U-bolts each having two parallel legs and a straight right angularly extending yoke portion connecting the legs, said U-bolts having the legs thereof reduced at their outer ends and extended through said annulus and having the yoke portion thereof disposed against an adjacent part of the wheel, each of said U-bolt yokes having an opening to receive one of said bolts by which the U-bolt is secured with its legs extending axially of the wheel and the said reduced ends of the legs of the U-bolts providing shoulders against which the annulus bears and carrying securing nuts engaging the outer face of the annulus, a plurality of ground engaging lugs each having an elongated shank portion integral therewith, said lug shanks being disposed radially across the outer face of the annulus, a plurality of guides disposed upon and directed radially of the outer face of the annulus, each guide having a lug shank extending therethrough, each of said lug shanks having a series of transverse apertures, and means carried by each of the said guides for selective engagement in the apertures of the adjacent lug shank to secure the shank and lug in adjusted position on the annulus.

2,200,792
PATTERNED FABRIC AND METHOD OF PRODUCING THE SAME
Fridolin Hefti, Herisau, Switzerland, assignor to the firm Aktiengesellschaft Cilander, Herisau, Switzerland
No Drawing. Application September 7, 1937, Serial No. 162,759. In Switzerland September 11, 1936
2 Claims. (Cl. 8—115)

1. The process of preparing a patterned cellulosic fabric which comprises printing on a white cellulosic fabric with a Celluloid-containing, liquid composition which, when dried, is unaffected by a swelling agent capable of transparentizing the cellulosic fabric when contacted directly therewith, said composition also containing a white pigment, drying the composition at the printed portions of the fabric to solidify the Celluloid on said printed portions, and then directly contacting the fabric with the transparentizing swelling agent, without any intermediate applications of material thereto so that the yarns of the unprinted portions of the fabric are acted on by said agent, so that the printed portions of the fabric are unaffected by the swelling agent while the unprinted portions are transparentized thereby, whereby a pronounced contrast between the printed portions and the transparentized fabric background is obtained.

2,200,793
INSERTION FOR TOBACCO PIPES
Claës Axel Klingenstierna, Karlstad, Sweden
Application January 3, 1939, Serial No. 249,093
In Sweden February 2, 1938
9 Claims. (Cl. 131—183)



1. In an insertion adapted to be inserted into a tobacco pipe bowl, a bottom having holes for carrying the tobacco and forming a grate, an extension below said bottom, said extension being substantially circular in cross-section, and draught-distributing means in the lowermost part of said extension.

2,200,794
ELECTRICAL CONNECTOR
Hubert K. Krantz, Hempstead, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 8, 1937, Serial No. 141,429
2 Claims. (Cl. 173—324)

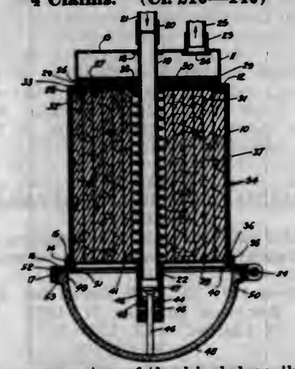
1. A non-microphonic connector device for the cord of a telephone handset, said handset having a longitudinal bore adjacent the transmitter end thereof, a multicontact plug having insulated rings contiguous to each other longitudinally loosely engaging the bore, means carried by the handset cooperating with means carried by said

plug for preventing longitudinal movement of said plug relative to the handset and holding it in centered position relative to the bore for permitting free rotation therein, a plurality of connectors secured to the handset one for each of



said rings, and flexible conductors connecting respectively said rings to said connectors, the flexible conductors having portions disposed concentric to and frictionally engaging substantially the entire periphery of the corresponding rings of the plug.

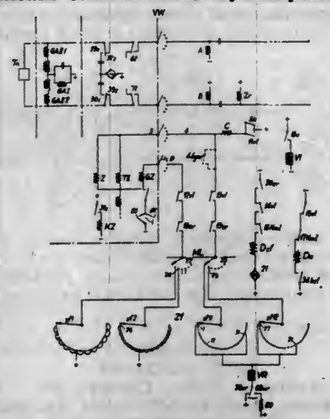
2,200,795
VISIBLE FILTERING APPARATUS
James H. Krieck, Roselle Park, N. J.
Application August 19, 1938, Serial No. 225,679
4 Claims. (Cl. 210—140)



1. In an apparatus of the kind described, a casing, a transparent bowl removably secured to the bottom of the casing, an inlet tube at the top of the casing extending downwardly into the said bowl, filter elements around the said tube and confined within walls of the said casing, the casing having an outlet at its top above the said elements, a valve housing at the bottom of the said inlet tube adapted to hold the said filter elements, tube and casing tightly together, and a valve within the housing having a stem resting normally upon the bottom of the said bowl to keep the said valve open, the valve being adapted to close the said inlet tube automatically upon removal of the said bowl.

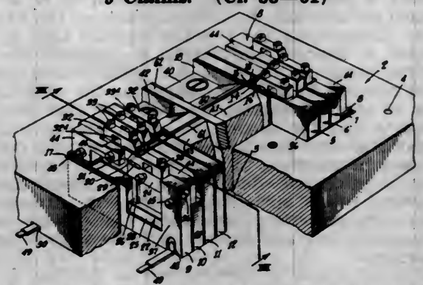
2,200,796
TELEPHONE METERING SYSTEM
Friedrich Lill, Vienna, Austria, and Walter Pinell, Falkensee, Germany, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application January 25, 1937, Serial No. 122,154
In Germany January 27, 1936
18 Claims. (Cl. 179—7.1)

1. In a telephone system, subscribers' lines, an exchange in which said lines terminate, means in the exchange for extending a connection from a calling one of said lines to another line, a fee indicator on each line responsive to metering impulses transmitted thereover both during and after a call, a meter for each line, means in the exchange for transmitting impulses to operate the meter of a calling line during a connection, and other means controlled thereby independently of



the operation of said meter for transmitting metering impulses over the line to the fee indicator.

2,200,797
ELECTRORESPONSIVE LIGHT VALVE
Otis C. Martin, Los Angeles, Calif., assignor to Electrical Research Products, Inc., a corporation of Delaware
Application April 27, 1938, Serial No. 204,702
9 Claims. (Cl. 88—61)

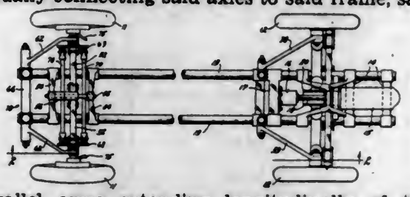


1. In a light valve having a light aperture, means for supporting a plurality of ribbons above said aperture including a pair of clamp assemblies disposed at opposite ends of the aperture for each of said ribbons, said assemblies each including a body extending laterally with respect to the aperture, a clamp carriage carried by the body and having clamping means associated therewith for engaging and gripping the end of a ribbon, means on each of said bodies for engaging and shifting the ribbon clamping end of said carriage laterally with respect to said aperture to adjust the lateral position of the associated ribbon relative to the aperture and relative to an adjacent ribbon, and tension means for each of said ribbons including means associated with at least one of the assemblies for each of the ribbons for engaging and shifting the ribbon clamping end of the carriage thereof longitudinally with respect to the axis of the ribbons.

2,200,798
MOTOR VEHICLE
Charles F. Megow, Detroit, Mich.
Application June 13, 1938, Serial No. 213,388
8 Claims. (Cl. 280—124)

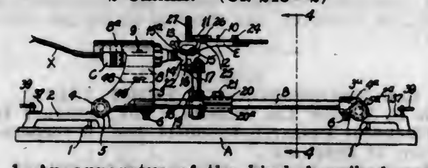
1. In a motor vehicle, a frame, individual axles

for opposite wheels of the vehicle, a pair of transverse individual leaf springs secured to said axles and supporting said frame, parallel arms individually connecting said axles to said frame, said



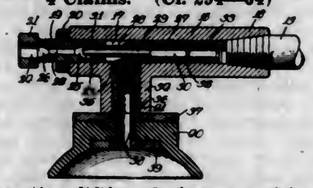
parallel arms extending longitudinally of the vehicle and pivoted to said frame and to said axles, and transverse substantially parallel arms pivotally connecting the individual axles together.

2,200,799
TOOL SUPPORT
Arthur J. Miller, Chicago, Ill.
Application April 28, 1938, Serial No. 204,777
2 Claims. (Cl. 248—2)



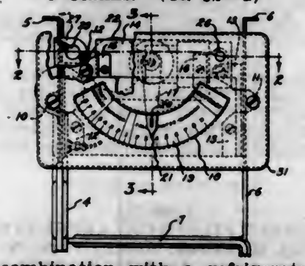
1. An apparatus of the kind described, comprising a main base that is adapted to be arranged horizontally on a bench, table or the like, pivot supports on the top side of said base arranged in spaced relationship, a shiftable supporting structure of elongated form, removable pivot pins for detachably connecting the opposite ends of said supporting structure to said pivot supports and for permitting either end of said supporting structure to be swung upwardly into an upright position, and means at the opposite ends of said base for holding said supporting structure in an upright position, said shiftable supporting structure comprising a motor holder arranged at one end of said shiftable supporting structure.

2,200,800
PLATE LIFTER
Edgar R. Miller, Chicago, Ill., assignor to F. J. Littell Machine Co., Chicago, Ill., a corporation of Illinois
Application September 26, 1939, Serial No. 296,876
4 Claims. (Cl. 294—64)



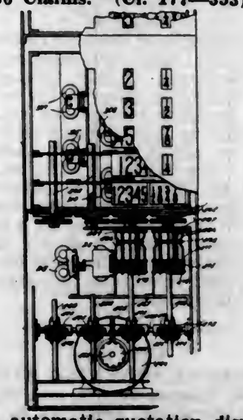
1. A suction lifting device comprising a suction head body having an axial passage therethrough, a suction passage through a lateral wall of the body intersecting the axial passage, the axial passage being progressively reduced and expanded to one side of the passage intersection, and a reduced discharge nozzle extending across the intersection centrally of the axial passage, said discharge passage terminating adjacent the progressively reduced portion of the axial passage.

2,200,801
EVAPORATOR CONTROL MEANS
Roland H. Money, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Original application June 8, 1937, Serial No. 147,152. Divided and this application January 11, 1939, Serial No. 250,400
5 Claims. (Cl. 62—1)



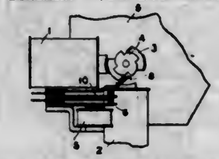
1. In combination with a refrigerator evaporator a defrosting indicator comprising a metallic mass in intimate heat exchange relationship with said evaporator, and adapted to be covered with frost in the normal operation thereof, said metallic mass having a perforation whereby to give a visual index of the extent of the accumulation of frost upon said evaporator and said mass, said index being the amount of frost required to close said perforation.

2,200,802
SIGNALING SYSTEM AND APPARATUS THEREFOR
Sterling Morton, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 15, 1929, Serial No. 378,463
Renewed October 21, 1939
36 Claims. (Cl. 177—353)



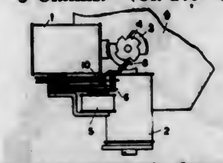
11. In an automatic quotation display board, the combination of a plurality of register units each having a plurality of figure-display registers arranged in due numerical orders, common driving means associated with the registers of the respective orders of numerals of the several register units, means for selecting and directing said driving means to respective numerical positions, means for selecting a register unit for adjustment, means for selecting the registers of such register unit associated with the selected driving means, and means for adjusting said selected registers to the respective numerical positions of the driving means.

2,200,803
MOTOR DRIVEN SWITCH
Konrad Müller, Berlin-Spandau, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application October 21, 1937, Serial No. 170,165
In Germany October 26, 1936
4 Claims. (Cl. 179—27.5)



1. In a circuit arrangement for controlling the operation of a high speed stepping switch, motor magnets, a motor armature for stepping the switch, means for causing the operation of the armature by alternate energization of the magnets, an auxiliary relay having an armature and contacts mechanically operated each time the switch steps, certain of said contacts operated to render said magnets ineffective, and means including others of said contacts for energizing said relay to cause the deenergization of said magnets.

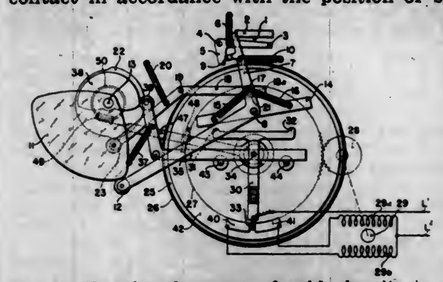
2,200,804
MOTOR DRIVEN SWITCH
Konrad Müller, Berlin-Spandau, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application October 21, 1937, Serial No. 170,166
In Germany October 26, 1936
5 Claims. (Cl. 179—27.5)



1. In an arrangement for controlling the stepping of a switch, a shaft having an armature and a cam each attached thereto, motor magnets disposed perpendicular to each other and to the shaft, means for causing the rotation of said armature by the alternate energization of said magnets to step the switch, an auxiliary relay having an armature and contacts, mechanical means controlled by said cam for operating the armature of said relay each time the switch steps, and means effective to permit the energization of said relay over said contacts to hold its armature operated and prevent further operation of said cam by said magnets.

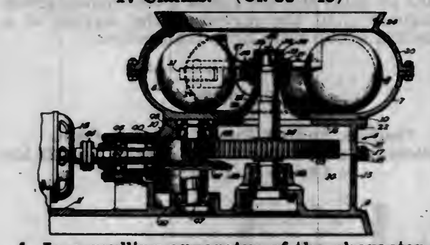
2,200,805
MEASURING INSTRUMENT
Walter H. Pearce, North Hills, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 22, 1938, Serial No. 215,133
8 Claims. (Cl. 172—239)

8. In a normally self-balancing electrical network, means responsive to unbalance of said network including a freely deflecting member, electrical reversible motor means for rebalancing said network, a movable arm engaging said member and positioned in accordance with the extent and direction of deflection thereof, a pair of circuits for said motor, a movable contact common to either circuit, means operative to position said contact in accordance with the position of said



arm to thereby close one of said circuits to energize said motor, and means to deenergize said motor upon rebalancing of said network.

2,200,806
MULLING APPARATUS
Walter F. Piper, Oak Park, Ill., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois
Application September 14, 1936, Serial No. 100,630
17 Claims. (Cl. 83—45)

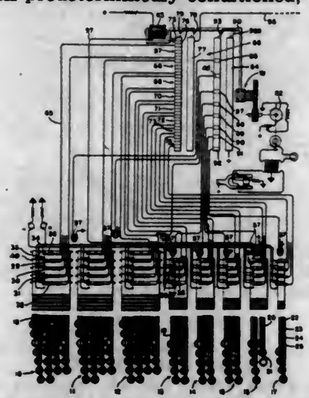


1. In a mulling apparatus of the character described, the combination of an open top receptacle adapted to contain the material to be mulled and comprising a substantially flat circular bottom and an annular outwardly bulged side wall extending in a curved manner upwardly and outwardly and then inwardly from the outer marginal portion of the bottom, a freely rotatable mulling element in the receptacle arranged to travel in a circular course around said side wall and adapted during such travel to spin or roll and to squeeze the material between it and said side wall and thus effect mulling of said material, means for propelling the element in said circular course, and means propelled by said means conjointly with the element for controlling the material so that during each time the element travels around the side wall the entire mass of material is flung outwards in a scattered and aerated manner against substantially all portions of the inner face of said side wall into the path of the element and is then after squeezing and resultant mulling by the element scraped and deflected inwards.

2,200,807
KEYBOARD
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original application January 17, 1929, Serial No. 333,161. Divided and this application October 12, 1938, Serial No. 234,566
3 Claims. (Cl. 177—380)

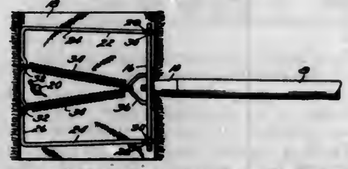
3. In a telegraph system, a signal storage device adapted to receive and store groups of per-

mutation code signals for transmission successively, a start-stop transmitter for transmitting the signals stored in said storage device, means to initiate said transmitter after said storage device has been predeterminedly conditioned, means to



begin the storage of a succeeding group of signals in said storage device before a preceding group of signals has been completely transmitted, and means to delay the storage of a succeeding group of signals until the corresponding signals of a preceding group have been transmitted.

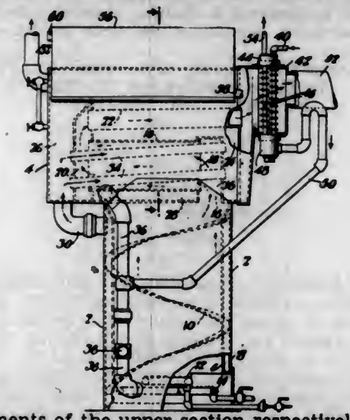
2,200,808
MOP
Thomas Andrew Purvis, Owasso, Okla.
Application September 6, 1938, Serial No. 228,516
4 Claims. (Cl. 15—228)



1. A mop of the character described comprising, in combination, a handle; a cross-bar secured to said handle; a substantially U-shaped yoke having the ends of the legs thereof hingedly attached to said cross-bar; a bracket extending laterally from the cross-bar between the legs of said yoke; a spring extending from the base of said yoke to the said bracket; and a cover encasing said yoke.

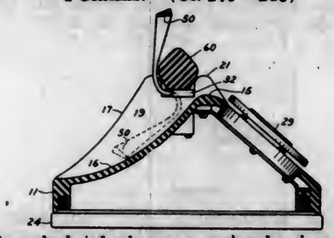
2,200,809
BOILER FURNACE
Frederick W. Riehl, Denver, Colo.
Application August 16, 1937, Serial No. 159,293
8 Claims. (Cl. 122—135)

1. A steam boiler furnace, comprising upper and lower sections for heating water to produce steam, the lower section including a substantially vertical combustion chamber inside an annular water jacket, and a spiral partition in the jacket to provide a long path for water travel, said upper section including a substantially horizontal container for water and steam containing a middle and two end compartments interconnected for passage of water and formed by two interconnected walled flue spaces extending across said container, one of said spaces opening into said combustion chamber and the other being connected for gas flow with an exhaust flue gas box at one end of said container, and water conduits connecting one end and the middle com-



partments of the upper section respectively with the top and bottom of the water jacket of the lower section of said boiler furnace.

2,200,810
DESK TELEPHONE SET
Hans Sengebusch, Villa Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 17, 1938, Serial No. 230,366
4 Claims. (Cl. 179—146)

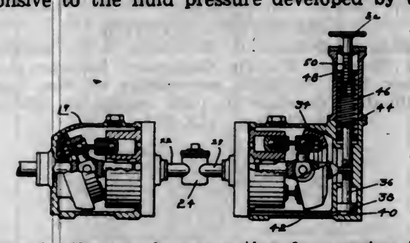


1. In a desk telephone, a casing having a cradle support for the hand telephone, a fingers lifting bail pivotally mounted in the cradle support directly below the hand telephone and above the approximate center of gravity of the entire desk telephone, the finger grip portion of said bail manually rotatable directly above the hand telephone to provide a finger grip for the user at a point above the hand telephone and approximate center of gravity, said bail having a curvature near its pivoted point such as to obviate displacement of the hand telephone during the lifting and moving of the entire desk telephone by the user.

2,200,811
POWER TRANSMISSION
Edward A. Thompson, Waterbury, Conn., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut
Application April 1, 1936, Serial No. 72,106
7 Claims. (Cl. 242—75)

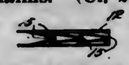
1. A device for reeling strip material comprising in combination a reel, driving means for the reel including a constant delivery fluid pump and a fluid motor driven by the pump, fluid conduits forming supply and return connections between the pump and motor the total resistance of said

connections being negligible, and control means for maintaining a constant peripheral tension in the material being reeled including means responsive to the fluid pressure developed by the



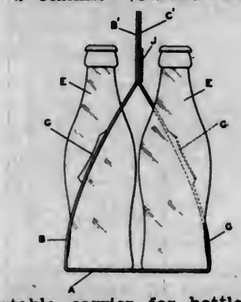
motor in the supply connection for varying the displacement of the motor, said conduits being arranged to deliver to the motor the full discharge of the pump under all normal conditions of operation.

2,200,812
DETACHABLE RETAINING MEANS
Sena M. Ward, New York, N. Y.
Application May 26, 1939, Serial No. 275,849
5 Claims. (Cl. 24—151)



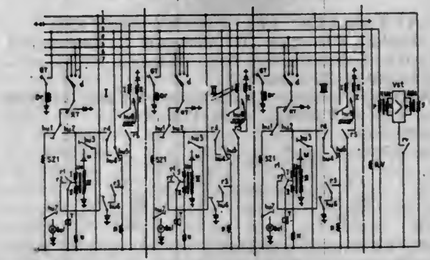
1. A retaining device of the character described consisting of a clasp composed of a body of resilient sheet material folded flatwise upon itself to provide opposed walls having their longitudinal free edge portions formed with inwardly and rearwardly inclined retaining teeth adapted to permit unidirectional attaching and detaching with a fabric.

2,200,813
CONTAINER
Otey Y. Warren, Garden City, N. Y.
Application April 15, 1937, Serial No. 136,966
2 Claims. (Cl. 224—45)



1. A portable carrier for bottles which are bulged below the tops thereof, consisting of a strip of sheet material foldable transversely thereof into a plurality of sections, comprising a bottom on which bottles may be supported in upright position, and two walls which project upward from opposite sides of the bottom in the closed state of the carrier, one of said walls being hinged at the lower edge line for swinging across the bottle supporting area of the bottom to move the upper end of such wall to and from the upper end of the opposite wall, in closing and opening the carrier; said hinged wall, from said lower hinge line thereof to its point of contact with the opposite wall being of length sufficient to reach across the bottle shoulders when the carrier is closed and comprising a part, commencing below the bottle bulge, which part, when the carrier is closed, is a continuous, transversely-uncreased resilient reach of sheet material, curved arcuately, and having in said arcuately curved part thereof one or more openings therein into and through which, when the carrier is open and said walls spread apart, the upper ends of bottles may be inserted from the interior of the carrier and brought to seat against the edges of the openings at the inside face of the wall; the size, shape and location of the openings being such that when the bottles are so seated in the openings and are properly uprighted on the carrier bottom, said continuous resilient reach of wall is flexed by the bottles into arcuate form across the bottles and by its tendency to straighten out exerts a spring grip on the bottles.

2,200,814
TELEPHONE SYSTEM
Kurt Wolak, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany
Application July 24, 1937, Serial No. 155,423
In Germany August 31, 1936
11 Claims. (Cl. 179—37)



1. In an anti-side tone substation circuit having means for preventing the receiver from being influenced by the currents from the microphone thereat, the provision of electro-responsive switching means at the station automatically operable only in certain calls from said substation for rendering said side tone preventing means ineffective.

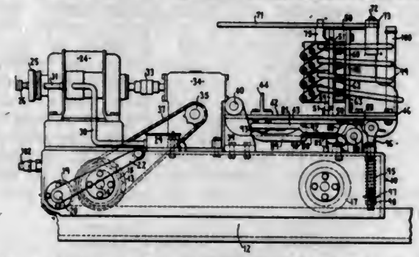
2,200,815
IMIDAZOLINE DERIVATIVES AND PROCESS OF MAKING THE SAME
Robert Radcliffe Ackley, Jersey City, N. J., assignor to The Richards Chemical Works, Inc., Jersey City, N. J., a corporation of New Jersey
No Drawing. Application March 11, 1939, Serial No. 261,315
9 Claims. (Cl. 260—309)

1. Process of making compounds of the class μ-alkyl N-amidoalkyl imidazolines which comprises acylating and neutralizing compounds of the class μ-alkyl N-amino alkyl imidazolines, which are unsubstituted by salt-forming groups other than amino groups.

2,200,816
APPARATUS FOR REMOVAL OF SURFACE METAL FROM SLABS, BILLETS, OR THE LIKE
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application November 6, 1937, Serial No. 173,154
2 Claims. (Cl. 266—23)

1. Apparatus for removing the surface from a

billet, slab, or the like by means of oxygen streams directed against said surface, including in combination a truck having wheels on which it runs on an underlying support, a frame on top of said truck, a hinge connection between the truck and one end of the frame, torch hold-



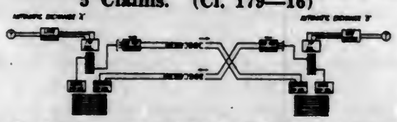
ers on the frame in position to support torches in working relation to a work piece alongside the truck, a cam for moving the frame on said hinge to raise and lower the other end of the frame, and pawl and segment means for holding the cam in any set position.

2,200,817

AUTOMATIC TELEPHONE SYSTEM

Pier Bakker, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application January 11, 1937, Serial No. 119,960
5 Claims. (Cl. 179—16)



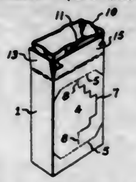
1. In an impulse repeater for automatic telephone systems, a first line section, a second line section, a relay normally controlled by interruptions in said first line section, interrupter contacts on said relay for repeating such interruptions into said second line section, and means for causing said relay to be controlled by interruptions in said second line section and the interrupter contacts thereon to repeat such interruptions into said first line section.

2,200,818

LINED DISPLAY BOX AND METHOD OF PACKAGING THEREIN

Robert Morris Bergstein, Cincinnati, Ohio

Application April 7, 1938, Serial No. 200,720
11 Claims. (Cl. 229—14)



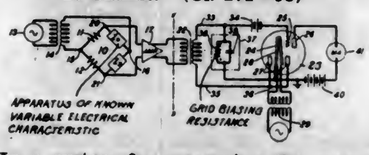
1. A container comprising a multiple panel outer carton having closing flaps at both ends thereof and within said carton a tubular liner having its open mouth projecting intermediate said closing flaps of at least one end of said carton, suitable for reception of contents therein, said liner being secured to the interior surface portions of said carton other than one of said panels, and said panel having transverse lines of severance whereby it can be raised into opening position without disturbing the liner, so that contents may be removed thereafter through said side opening, upon opening the liner.

2,200,819

MEASURING SYSTEM

William B. Bohannon, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 31, 1936, Serial No. 108,586
10 Claims. (Cl. 171—95)



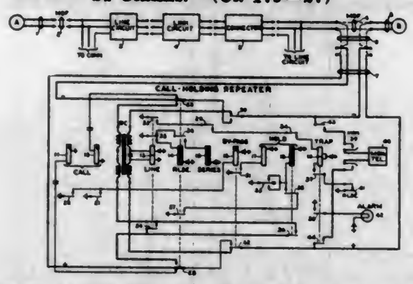
1. In a system for measuring the magnitude of an electrical quantity, the combination comprising means for rectifying such quantity, a thermionic amplifier including a control grid and having its input connected to the output of the rectifying means, indicating means in the amplifier output, means for so biasing the control grid at no input that the amplifier output is such as to produce a maximum reading on the indicating means, and means connected in the output of the rectifying means and responsive to rectified current for variably augmenting the grid biasing means to vary the amplifier output such that the indicating means is actuated in a direction toward the maximum reading for a diminishing electrical quantity and in a direction away from the maximum reading for an increasing electrical quantity.

2,200,820

AUTOMATIC TELEPHONE SYSTEM

Hans P. Boswau, Lorain, Ohio, assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application June 3, 1938, Serial No. 211,579
14 Claims. (Cl. 179—27)



1. In a telephone system having automatic switching equipment for telephonically interconnecting two subscribers, a call-holding repeater, and means for operatively connecting said repeater between said switching equipment and any one of said subscribers' lines, said means including electrical conductors, not to exceed two in number, connecting the repeater to the switching equipment.

2,200,821

ILLUMINATED GLOBE AND MOUNTING THEREFOR

Olaf A. Colberg, Chicago, Ill., assignor to Replogle Globes, Inc., Chicago, Ill., a corporation of Illinois

Application June 21, 1937, Serial No. 149,314
18 Claims. (Cl. 35—46)

1. An internally illuminated globe including, in combination, a base, a vertical boss formed thereon, a globe provided with an aperture adapted to fit around said boss and to be supported on said base, means including an internal support comprising a pair of spaced apart members adapted to be inserted into said globe through said aper-



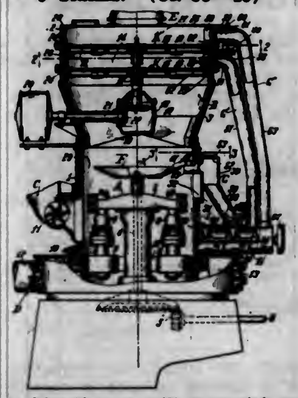
ture for additionally supporting said globe, a light bulb adapted to fit between said members for illuminating said globe, and a socket structure supporting said light bulb between said members in the interior of said globe and attaching said support to said base.

2,200,822

GRINDING PROCESS AND APPARATUS

Joe Crites, Evanston, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware

Application October 15, 1937, Serial No. 169,200
9 Claims. (Cl. 83—45)



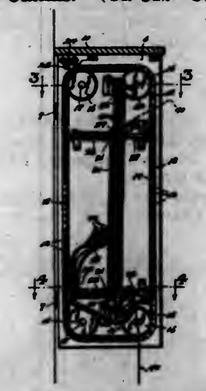
1. In combination, a mill comprising relatively moving grinding elements, means for feeding dry material to be ground into the mill, a separator above and communicating with the mill, means for passing a stream of heated air through the mill and separator, ground material being carried in suspension in the air stream upwardly from the mill into the separator and sufficiently pulverized material being carried from the separator in the air stream while insufficiently pulverized material is rejected by the separator, means for collecting and withdrawing this rejected material comprising a rotating receptacle positioned in the path of the air stream intermediate the mill and separator and a scoop positioned to withdraw material collected on and thrown outwardly by the receptacle, and means for mixing a temporary binding agent with the withdrawn material and returning the mixture for further treatment by the grinding elements.

2,200,823

TOWEL CABINET

Romain P. F. De Bersaques, Seattle, Wash.

Application January 31, 1936, Serial No. 61,693
5 Claims. (Cl. 312—37)



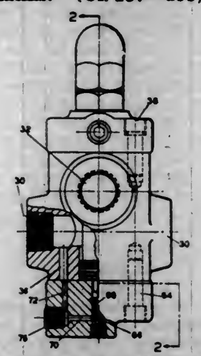
5. A towel holding structure comprised of the combination of a cabinet, means by which a supply of clean towels are supported in the cabinet to permit independent and successive manual withdrawal of a usable portion of the towels, and means, actuated automatically by the operation of manually withdrawing said usable portions of the towels, for simultaneously returning the used portion of a previously withdrawn towel to a position within the cabinet different from that occupied by the clean towels.

2,200,824

POWER TRANSMISSION

Kenneth R. Herman, Huntington Woods, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application December 16, 1937, Serial No. 180,073
7 Claims. (Cl. 137—153)



1. A valve for controlling fluid flow comprising a main body member having a central longitudinal bore, lateral ports communicating with said bore at axially spaced points therein, a valve spool slidable in the bore to control connections between said ports, an auxiliary passage communicating with one of said ports and extending to an end of said body, an end cap

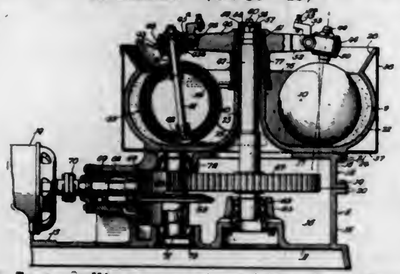
member adapted to be fixedly attached to said end of the body member in at least two different positions, means forming a fluid chamber in said end member, an auxiliary passage in said end member extending to the end of the body member and communicating with the chamber, said auxiliary passages being positioned for registration in one position of the end member and for non-registration in another position of the end member and means in one of said members affording external connection to the auxiliary passage in the end member independently of said one port when the passages are in non-registration.

2,200,825

MULLING APPARATUS

Ernest A. Hund, Chicago, Ill., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois

Application September 14, 1936, Serial No. 100,631
13 Claims. (Cl. 83—45)



1. In a mulling apparatus of the character described, the combination of an open top receptacle adapted to contain the material to be mulled and comprising a substantially flat circular bottom and an annular side wall extending upwardly from the outer marginal portion of the bottom, a revolvable cross-arm extending horizontally across the upper portion of the receptacle, a substantially vertical shaft connected to and depending from one end of the cross-arm and positioned adjacent to said side wall, a rotary mulling element mounted on the lower end of the shaft so that during drive of the cross-arm it travels in a circular course around the side wall of the receptacle and in addition spins or rolls and squeezes the material between it and the receptacle side wall, power means for driving the cross-arm, and means connected to the cross-arm for conjoint drive therewith for controlling the material so that during each time the element travels around the side wall substantially the entire mass of material is flung outwards in a scattered and aerated manner against substantially all portions of the inner face of said side wall into the path of the element and is then after squeezing and resultant mulling by the element scraped and deflected inwards.

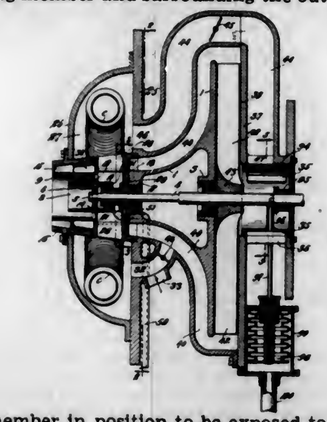
2,200,826

OIL BURNER

Albert Clarence Johnson, Brooklyn, N. Y.

Application January 11, 1938, Serial No. 184,437
4 Claims. (Cl. 158—77)

2. An oil burner of the character described comprising a supporting member adapted for attachment to a fire door of a furnace, a rotatable spindle journalled therein, a burner nozzle carried by the supporting member and comprising an outer chamber member and a rotatable vaporizer member positioned in spaced relation to and within the chamber member to provide an outer air passage therebetween, said vaporizer member being connected to the spindle and having spaced inner and outer cup members providing an inner air passage therebetween, fan blades disposed in said inner passage between the cup members, a preheating chamber member carried by the supporting member and surrounding the outer chamber member in position to be exposed to the furnace heat, means for conducting fuel oil through the preheating chamber and to the inner cup member, means for conducting air direct from the preheating chamber to the inner air passage, means for delivering a main air supply through the outer air passage and means for rotating the spindle.

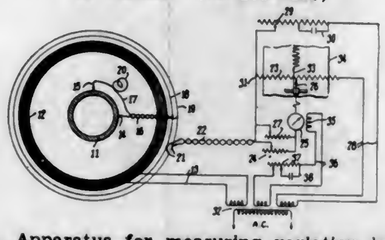


2,200,827

METHOD AND APPARATUS FOR MEASURING ECCENTRICITY IN TUBULAR CONDUCTORS

Ralph W. Atkinson, Perth Amboy, N. J., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey

Application March 10, 1934, Serial No. 715,036
24 Claims. (Cl. 175—183)



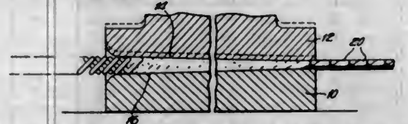
1. Apparatus for measuring variation in the thickness of a tubular conductor comprising, in combination, means for causing an electric current to flow circumferentially in the conductor, two contacts for engaging the conductor at points spaced circumferentially about the conductor, an external circuit including means for balancing the voltage between the spaced contacts on the conductor surface with a voltage 180 degrees out of phase, means for causing relative movement between the conductor and the spaced contacts, and means operating automatically in response to any voltage unbalance in the external circuit caused by variation in the resistance of the conductor between the contacts as the contacts move over the conductor surface to adjust the voltage balancing means and restore the voltage balance in the external circuit.

2,200,828

ORNAMENTAL CHAIN AND METHOD OF MAKING

Eugen Augenstein, Pforzheim, Germany, assignor to Universal Chain Co., Inc., Maplewood, N. J., a corporation of New Jersey

Application August 4, 1938, Serial No. 223,033
5 Claims. (Cl. 59—35)



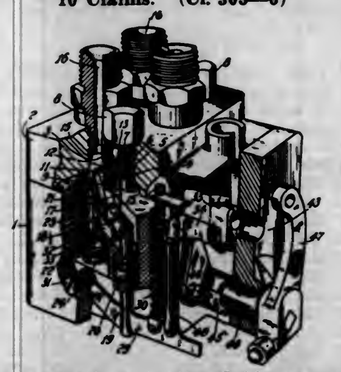
1. The method of making ornamental chains which consists in tightly twisting a cable chain to position its links in overlying relation, subjecting the cable chain in its twisted form, to a plurality of successive hammering operations to form a rigid structure of the twisted cable chain of the desired cross-sectional form, and subsequently limbering the chain to form a flexible structure thereof.

2,200,829

FLUID-PRESSURE BRAKE CONTROL APPARATUS

George Edward Beharrell, Streetly, Joseph Wright, Stoke Park, and Henry Trevaskis, Sutton Coldfield, England, assignors to Dunlop Rubber Company Limited, London, England, a British company

Application December 10, 1938, Serial No. 245,006
In Great Britain December 10, 1937
10 Claims. (Cl. 303—6)



1. Apparatus for actuating fluid pressure valves for aircraft which comprises a pressure chamber, a supply of fluid under pressure, an inlet valve from said fluid supply to said pressure chamber and closed by the pressure of said fluid, a displaceable exhaust outlet from said pressure chamber, a lever having means at one end to close said exhaust outlet and to fulcrum thereon, means connected intermediate the ends of said lever to open said inlet valve, and means operable at the other ends of said lever to tilt said lever.

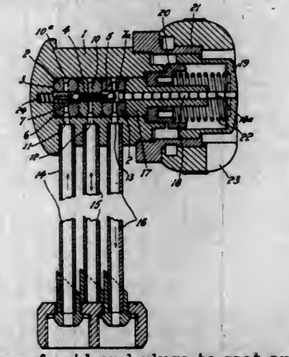
2,200,830

CONTROL VALVE FOR HYDRAULIC SYSTEMS AND APPARATUS

George Edward Beharrell, Streetly, Joseph Wright, Stoke Park, and Henry Trevaskis, Sutton Coldfield, England, assignors to Dunlop Rubber Company Limited, London, England, a British company

Application March 31, 1939, Serial No. 265,370
In Great Britain April 1, 1938
3 Claims. (Cl. 277—21)

1. A control valve for apparatus of the type described which comprises a cylindrical valve casing, a series of three aligned cylindrical plugs in said valve casing, each having a passage therethrough, said passages being in alignment and the passage of the intermediate plug being of less diameter than those of the end plugs to form valve seats at its opposite ends, the outer edges of said plugs being recessed, packing rings in said recesses and sealing against said casing valves in



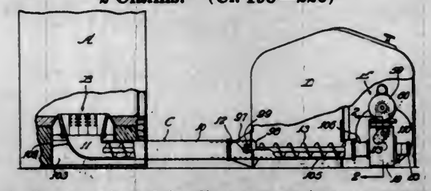
the passages of said end plugs to seat on the respective valve seats of the intermediate plug, spring pressed means to push the valve in one end chamber onto this valve seat, manually operated means to push the valve in the other end plug onto its valve seat and a pin in the intermediate plug of dimension to provide longitudinal passage therethrough and of a length to unseat one valve when the other is seated.

2,200,831

FEEDING APPARATUS

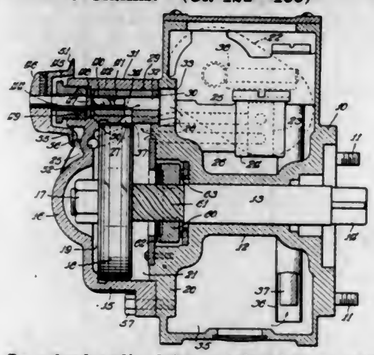
Harold N. Bliss and George E. Fenton, Ithaca, N. Y., assignors to Morse Chain Company, Ithaca, N. Y., a corporation of New York

Application July 18, 1938, Serial No. 219,714
2 Claims. (Cl. 198—226)



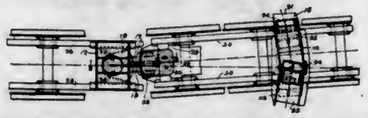
1. In a material feeding apparatus, a conveyor including a conduit and a conveying screw extending thereinto, a fluid motor including a cylinder and a piston reciprocable therein, means connecting said piston to said screw to positively reciprocate the same, means operative to cause said screw to rotate with an unthreading movement on the return stroke and to advance with a non-rotating movement, a prime mover, a pump driven thereby, means for directing fluid under pressure from said pump to said motor on opposite sides of said piston alternately whereby said motor may maintain continued operation of the screw in the presence of an obstruction, a pressure relief valve adapted to relieve excess pressure in said motor so as to allow such continued operation, and a hopper having an extremity with which the edge of said screw is adapted to cooperate during each advance stroke so as to exert against an obstruction, a combined shearing action tending to sever such obstruction and a lateral thrust tending, under repeated assaults, to gradually move said obstruction to a non-obstructing position.

2,200,832
HYDRAULIC DRIVE MECHANISM
Harold N. Bliss and George E. Fenton, Ithaca, N. Y., assignors to Morse Chain Company, Ithaca, N. Y., a corporation of New York
Application June 9, 1939, Serial No. 278,378
9 Claims. (Cl. 121—135)



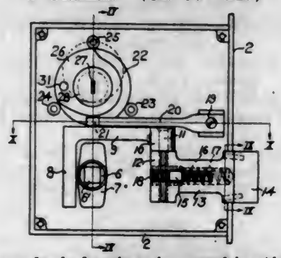
1. In a hydraulic drive mechanism, a cylinder, a reciprocable piston therein, means for alternately delivering fluid under pressure to said cylinder on opposite sides of said piston for driving the same back and forth, a port in the side wall of said cylinder, adapted to be uncovered by said piston at the end of its stroke, and means for varying the effective dimension of said port in an axial direction so as to vary the point of piston stroke at which the port is uncovered.

2,200,833
ARTICULATED LOCOMOTIVE
James G. Blunt, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application April 14, 1939, Serial No. 267,775
3 Claims. (Cl. 105—175)



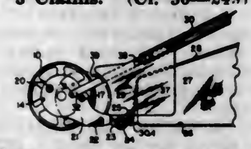
1. An articulated steam locomotive comprising a boiler; a forward power truck unit supporting a portion of the weight of said boiler and movable relative thereto in a longitudinal direction; a rear power truck unit adjacent said forward unit supporting another portion of the weight of said boiler and having a rigid connection therewith, said units being articulated together at their adjacent end portions; pulling means connecting said units together at their adjacent end portions for said articulation thereof, including a drawbar and vertical pivotal connections connecting the opposite ends of said bar, each with the adjacent unit end portion whereby said bar can swing laterally, about said pivotal connections, relative to each unit end portion and each said unit end portion can move laterally about its pivotal connection independently of the other said unit end portion; a buffing device disposed between and operably engaging said unit end portions yieldingly resisting pushing, buffing and compressive forces, within a predetermined range, transmitted thereto by either of said units thereby permitting relative longitudinal movement between said units, and between said boiler and said forward unit, said bar being provided with means rendering it inoperative and free from said forces during the operation of said device whereby said bar is subject to pulling forces only; a lateral motion resistance and centering device disposed between a portion of said boiler and a portion of said forward unit comprising upper roller seat means having connection with said boiler portion, lower roller seat means having connection with said forward unit portion, and means for maintaining vertical alignment of both said roller seat means, one of said seat means connections being rigid and the other of said seat means connections permitting relative movement between the roller seat means and portion connected thereby in a direction longitudinally of said locomotive during said relative longitudinal movement between said boiler and said forward unit and between said units; and roller means disposed between said seat means.

2,200,834
BURGLARPROOF DOOR LOCK
Edward I. Brown, Lansing, Mich., assignor of one-half to John Dietrich, Lansing, Mich.
Application June 6, 1938, Serial No. 212,172
2 Claims. (Cl. 70—149)



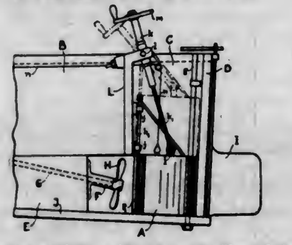
1. A door lock having in combination, a casing, a spring projected locking and latching bolt arranged to be moved outwardly and inwardly in the casing, an elbow arm pivotally attached to the bolt and arranged to be turned sidewise, a door knob spindle having a rollback thereon arranged to act on said elbow arm to retract the bolt, a spring having one end attached to the casing and the other end arranged to press against the elbow arm to hold the arm in unlocking position, a circular cam, a plurality of spaced rollers arranged to carry the cam rotatively in the casing, said cam having a peripheral arcuate portion constructed with a thin part increasing to a thicker part, said cam portion adapted when rotated to act against the force of said spring and move the said elbow sidewise into locking position, means carried by the casing in the path of said elbow arm when said arm is in its locking position whereby the retraction of the said arm and the bolt is prevented, the back of said casing having an aperture, a pin insertable therein, said cam having a pinhole to receive the pin and hold the cam against rotation.

2,200,835
SPREADER PLATE
Charles F. Coates, Spokane, Wash.
Application September 23, 1938, Serial No. 231,373
3 Claims. (Cl. 56—249)



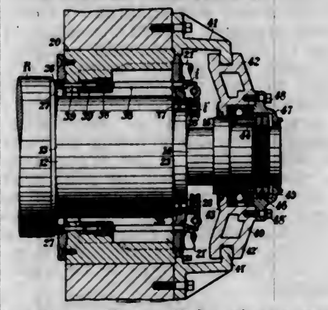
3. In a lawn mower having a handle secured between bails and a grass catcher suspended from the handle, an obliquely slotted spreader plate secured between said handle and one of said bails and depending downwardly therefrom and longitudinally of said handle and movable in the direction of the oblique slot for raising and lowering said spreader plate with relation to said grass catcher.

2,200,836
BACKING DEVICE FOR PROPELLER-DRIVEN VESSELS
Niels Jørgen Didriksen, Odense, Denmark
Application April 5, 1938, Serial No. 200,186
In Denmark April 5, 1937
3 Claims. (Cl. 114—145)



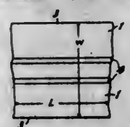
1. In combination with a propeller driven vessel, a deflector container for the screw water having a forward facing inlet opening and two lateral discharge openings facing obliquely forward in substantially opposite directions, a vertical dividing plate disposed in said deflector container rearwardly of said inlet opening, and means to adjust said deflector container to a position rearwardly of the propeller with said inlet opening facing the latter.

2,200,837
ROLLING MILL
Wilhelm Fass, Magdeburg, Germany, assignor to Fried-Krupp, Grusonwerk, Aktiengesellschaft, Magdeburg, Buckau, Germany
Application August 9, 1938, Serial No. 223,871
In Germany August 14, 1937
7 Claims. (Cl. 80—55)



1. In a rolling mill, a mill housing, a work roll arranged in said housing and having a primary roll neck adjacent to the roll barrel and terminating in a secondary neck, a journal bearing adjustably mounted in said mill housing, and having an arc shaped bearing plate engaging the upper face of said primary roll neck, a thrust bearing engaging said secondary roll neck and being slidably attached to the mill housing, in spaced relation to said journal bearing so as to be self-aligning, a cooling chamber formed in said journal bearing, wherein the lower face of the primary roll neck and the frontal, rear and lateral edges of its bearing plate are directly exposed to a cooling agent circulated therethrough, sealing means in said journal bearing for retaining the cooling agent therein, and means in said cooling chamber and projecting into the space between said journal and thrust bearings for retightening said sealing means.

2,200,838
APPARATUS FOR PROTECTING SURFACES FROM ICE FORMATION
Edgar Fuller Field, Sutton Coldfield, England, assignor to Dunlop Rubber Company, Limited, London, England, a British company
Application November 13, 1937, Serial No. 174,301
In Great Britain November 24, 1936
12 Claims. (Cl. 244—134)

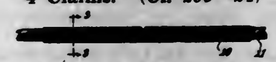


1. Means for protecting aircraft from ice formation which comprises a permeable covering positioned on the surface of the structure to be protected through which ice preventing liquid is diffused to the outer surface of the covering; a conduit extending beneath said covering and having a wall comprising a strip of absorbent textile fabric, the threads of said strip extending outwardly from said conduit, which conduit and the threads extending therefrom serve to conduct and to distribute liquid to the said covering.

2,200,839
WATER-RESISTANT LAMINATED PAPER AND METHOD OF MANUFACTURE
Louis C. Fleck, Appleton, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
No Drawing. Application June 29, 1936, Serial No. 87,952
6 Claims. (Cl. 154—40)

1. A method of preparing laminated paper particularly adapted for use in the manufacture of embossed wall paper comprising treating one side of a sheet of paper with an alkaline solution of a potentially water-resistant casein adhesive, treating one side of a second sheet of paper with a starch adhesive containing an agent adapted to render said casein adhesive water-resistant, and pressing the freshly treated sides of said sheets together.

2,200,840
CONTINUOUS SACHET DEVICE
Harry S. Frank, New York, N. Y.
Application December 3, 1937, Serial No. 177,920
4 Claims. (Cl. 299—24)



1. A highly flexible continuous sachet device for producing scented ornamentations or the like, consisting of an extremely thin, close-textured, exteriorly smooth, highly flexible tubular fabric casing, and a relatively bulky, highly resilient scent-carrying filler, completely but loosely occupying the entire space within the casing, said filler consisting of long absorbent fibres arranged substantially longitudinally in respect to the casing, the bulk of the filler very substantial-

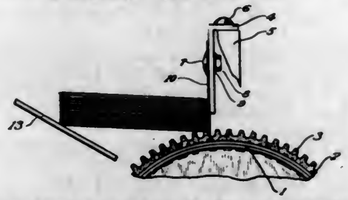
ly predominating in volume, compared with the thinness of the casing, the length of the device being very substantially greater than its longest diagonal passing through its cross section, the bulky but loose filler and the thin casing rendering the finished device highly flexible and pliable.

2,200,841
JEWELRY SETTING
Frederick J. Gaertner, Maplewood, N. J.
Application July 13, 1939, Serial No. 284,142
5 Claims. (Cl. 63—26)



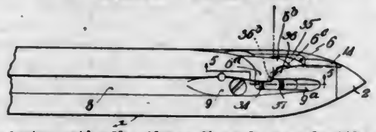
1. A jewelry setting including a body section having a plurality of spaced upstanding posts with free upper ends, and a separate mounting section including an annulus seated within and secured upon said posts with its general plane below the plane of the upper ends of said posts, and a plurality of mounting pins projecting upwardly from said annulus between said posts to receive and hold a gem.

2,200,842
SEPARATING AND FEEDING MECHANISM FOR ENVELOPES
Elmer E. Gray, Cliftondale, Mass.
Application January 4, 1938, Serial No. 183,245
5 Claims. (Cl. 271—41)



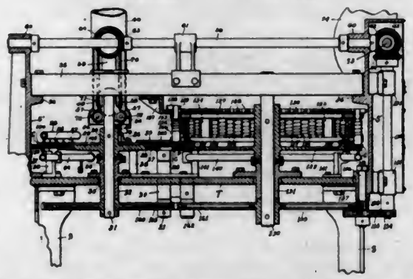
1. In a separating and feeding mechanism for envelopes, cards and similar objects, in combination, a drum to support and to feed the envelopes, a plurality of friction members encircling the periphery of the drum to rotate therewith and to increase the frictional engagement of the drum with the envelopes being fed, and a flexible resilient separating member whose end portion is positioned to fit snugly between a pair of the friction members.

2,200,843
SHUTTLE
William E. Jennings, West Warwick, R. I., assignor to U. S. Bobbin & Shuttle Company, Lawrence, Mass., a corporation of Rhode Island
Application May 19, 1937, Serial No. 143,486
11 Claims. (Cl. 139—223)



7. Automatically threading loom shuttle provided with a threading block having a downwardly extending leg portion, the lower end portion of which forms part of the side delivery eye, and a guard formed by the wood of the shuttle and extending back of and in overlapping relation with the leg portion of the threading block with a space between to permit the filling thread to pass between the two and thereafter be prevented from escaping from the side delivery eye during weaving.

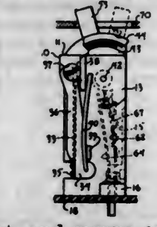
2,200,844
APPARATUS FOR ASSEMBLING SEALING PADS IN RECEPTACLE CLOSURE CAPS
John A. Johnson, Woodhaven, N. Y.
Application July 6, 1937, Serial No. 152,035
15 Claims. (Cl. 113—80)



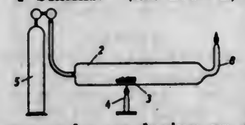
1. In apparatus for assembling sealing pads in closure caps, a conveyor arranged to support and transport closure caps and sealing pads in alined relation to each other, a fixed supporting surface interposed between the travel of the closure caps and sealing pads on the conveyer, means to place closure caps on the conveyer, and means to deposit sealing pads on the supporting surface to be transported by the conveyer, comprising a sealing pad supply tube mounted perpendicularly of the conveyer with the lower end spaced therefrom, a pair of bell crank levers pivotally mounted in a plane parallel to and above the conveyer and having an arm of each lever connected to each other, blade members mounted on the other arms of said levers to extend in a plane between the lower end of the supply tube and the conveyor, elastic means connected to the connection between the levers and adapted to yieldingly urge the blade members toward the center of the supply tube to hold the lowermost sealing pad in the supply tube, and a slide mounted adjacent the conveyer to have movement toward and away from closure caps on the conveyer and connected to a lever of the pair of levers and normally positioned by the elastic means through the lever in the path of travel of the closure caps, contact of the closure caps with the slide actuating the blade members from the center of the supply tube and out of line with the lowermost sealing pad therein against the force of the elastic means to permit depositing by gravity of the sealing pads on the supporting surface to be transported by the conveyer.

2,200,845
OVERLOAD CUTOUT SWITCH
Albert L. Judson, Portland, Oreg., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 17, 1938. Serial No. 196,448
12 Claims. (Cl. 200—116)

1. In combination, first and second contacts, means for biasing the first contact away from the second contact, trip means for holding the first contact in engagement with the second contact when set and for allowing the contacts to separate when tripped, manual means for resetting the trip means including means for maintaining the contacts separated until the trip means is reset, and means associated with said manual means for holding it in a position to maintain the second contact out of engagement with the first contact.

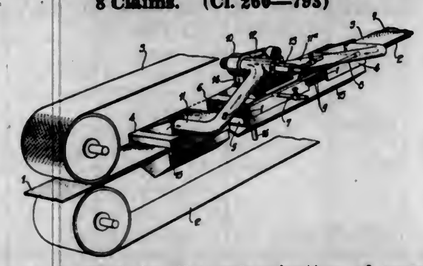


2,200,846
PROCESS FOR THE PRODUCTION OF ANODE MATERIAL FOR ELECTROTHERMICALLY MODULABLE RADIATORS
Max Eugen Lattmann, Zurich, Switzerland
Application August 4, 1937, Serial No. 157,316
In Switzerland April 20, 1937
4 Claims. (Cl. 176—1)



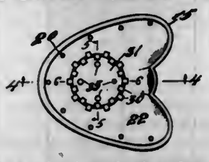
1. In a process for producing an anode material suitable for electrothermetically modulable radiators heated by a controlled bombardment of electrons, the steps which comprise carbonizing an organic material of cellular structure having thin cell walls, annealing the carbon skeleton in a carbon-dissolving atmosphere to reduce the thickness of the cell walls, whereby a cellular carbon skeleton of low heat capacity is obtained, and depositing a metal on the carbon skeleton.

2,200,847
PROCESS OF VULCANIZING SPONGE RUBBER
Evelyn William Madge, Wylde Green, and Albert Arthur Round and Thomas Norcross, Erdington, Birmingham, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
Application December 10, 1937, Serial No. 179,054
In Great Britain December 24, 1936
8 Claims. (Cl. 260—793)



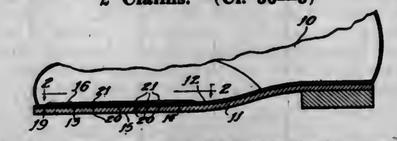
1. A method for the vulcanization of spongy or cellular goods of foamed latex rubber in sheet or molded form which comprises passing said goods through a gaseous atmosphere containing water vapors, heating said atmosphere, and injecting into said atmosphere an aqueous medium in direct contact with said goods and in sufficient quantity and quality as to maintain the goods in a wet condition.

2,200,848
SOUND PRODUCING DEVICE FOR A TAP DANCING SHOE
Sahatiel G. Mandalian, North Attleboro, Mass.
Application February 23, 1939, Serial No. 257,947
6 Claims. (Cl. 36—8.3)



1. A sound producing device for attachment to a tap dancing shoe or slipper comprising a metal plate adapted to be attached to a portion of a shoe and having a cavity in its top face arranged to be disposed adjacent the bottom of a shoe and an enlarged cut out portion through said plate centrally thereof and communicating with said cavity, a hollow closed housing incorporated in said cut out portion of said plate, and loose pieces of metal within said housing adapted to produce a clinking or jingling sound when the shoe is normally tapped by a dancer on the floor, said cavity being capable of intensifying the sound produced by the metal pieces.

2,200,849
INNER SOLE
Morris N. Margolin, Chicago, Ill.
Application December 18, 1939, Serial No. 309,783
2 Claims. (Cl. 36—3)

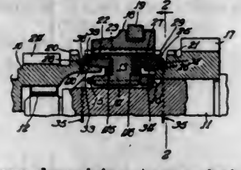


1. An article of the class described comprising an inner sole having a plurality of apertures formed in the fore part thereof, adjacent apertures being spaced apart by a transversely extending integral inner sole portion, a unitary overlay on said inner sole embracing all of the apertured area thereof and resilient flexible inserts integral with said overlay depending therefrom and fitting within said apertures, the said inserts being divided into a plurality of spaced apart sections and the said overlay being provided with a plurality of perforations opening downwardly between said sections.

2,200,850
FLAMEPROOFING SPONGE RUBBER AND METHOD OF FLAMEPROOFING
Charles O. Miserentino, Buffalo, N. Y., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
No Drawing. Application August 27, 1938, Serial No. 227,059
6 Claims. (Cl. 91—68)

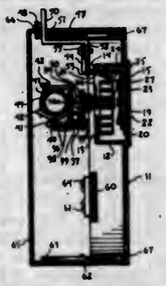
5. A process for fireproofing cellular rubber material which comprises depositing on the surfaces of the cells of said article a deposit of an inorganic fireproofing material and a coating of chlorinated diphenyl insufficient to fill said cells.

2,200,851
TRANSMISSION SYNCHRONIZER
William B. Osborne, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 3, 1938, Serial No. 232,941
9 Claims. (Cl. 192—53)



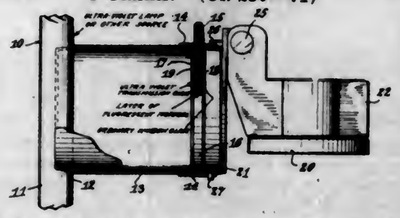
1. In a synchronizing transmission, a pair of axially aligned torque transmitting members, one of which includes a hub, and the other of which is formed with a jaw clutch element and a friction cone, a movable jaw clutch sleeve having internal teeth in an axially shiftable splined engagement with teeth on said hub, said sleeve being adapted to be moved axially into engagement with said jaw clutch element, thus to establish a positive drive connection between said members, a synchronizer ring having an internal friction face, adapted to be moved axially into frictional driving engagement with said cone, having a lost motion rotary driving connection with said hub, and including blocking teeth adapted, in one of its positions permitted by said lost motion connection, to block the axial advance of said sleeve by engagement with the internal teeth thereof, and a torque transmitting element attached to said synchronizer ring and projecting inwardly into frictional engagement with said other torque transmitting element between said jaw clutch element and said cone to transmit torque therebetween for biasing said synchronizer ring in its blocking position, whereby engagement of said blocking means by said movable clutch element during the initial stage of shifting movement, serves to transmit axial thrust from the movable clutch element to the synchronizer ring for effecting synchronizing engagement between the ring and said cone.

2,200,852
THERMOSTATIC SWITCH
Bertram P. Pond, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 17, 1938, Serial No. 196,390
15 Claims. (Cl. 200—138)



1. A device of the class described comprising in combination, a casing having a back, part of which extends inwardly of the casing to form part of a housing, a member made of material having a high heat conductivity and forming the back of said housing, a thermostat within said housing, and means operated by said thermostat.

2,200,853
APPARATUS FOR MEASURING ULTRAVIOLET RADIATIONS
Thomas R. Porter and William L. Sullivan, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 23, 1937, Serial No. 170,630
8 Claims. (Cl. 250—71)



1. Apparatus for measuring ultraviolet radiations comprising a photovoltaic cell and microammeter, and a screen disposed between the source of radiations and said cell, said screen comprising a reversible duplex combination of a sheet of ultraviolet radiations transmitting glass, a sheet of glass which filters the ultraviolet radiations to be measured, and a layer of fluorescent material therebetween.

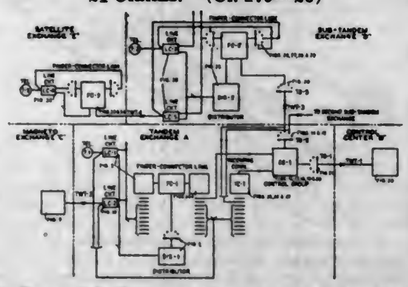
2,200,854
ELECTRICAL CONTACT
Samuel Ruben, New Rochelle, N. Y.
No Drawing. Application May 2, 1939, Serial No. 271,346
5 Claims. (Cl. 200—166)

1. An electric contact composed of a contact material characterized by the addition of a relatively small amount of vanadium pentoxide.

2,200,855
ELECTRICAL CONTACT
Samuel Ruben, New Rochelle, N. Y.
No Drawing. Application May 2, 1939, Serial No. 271,347
5 Claims. (Cl. 200—166)

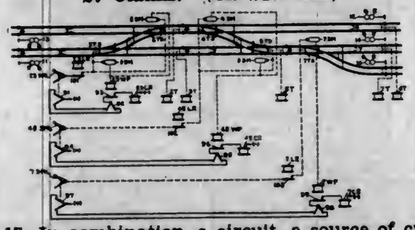
1. An electrical contact composed of a contact material characterized by the addition of a relatively small amount of antimony trioxide.

2,200,856
TELEPHONE SYSTEM
John H. Voss, Downers Grove, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 15, 1938, Serial No. 213,747
21 Claims. (Cl. 179—26)



1. In a telephone system, a local exchange, local subscribers' lines terminating in said exchange, automatic switches in said exchange for completing connections to said local subscribers' lines, a plurality of pairs of conductors extending from said local exchange to a remote operator, means responsive to a local subscriber calling for automatically selecting an idle pair of conductors from among said plurality of conductors for automatically signalling the remote operator over said idle pair of conductors and for selecting one of said switches, means at the local exchange controlled by the operator over a circuit including both said conductors in series for operating said one switch into connection with the called line, and means at the local exchange controlled by the operator over a circuit including both said conductors in parallel for ringing the called subscriber by way of said switch.

2,200,857
INTERLOCKING SYSTEM FOR RAILROADS
Oscar H. Dicke and Forest B. Hitchcock, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application October 31, 1932, Serial No. 640,378
27 Claims. (Cl. 246—134)



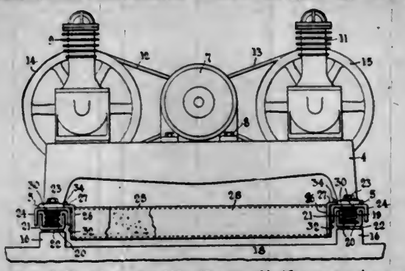
17. In combination, a circuit, a source of current, a manually controlled contact at each end of said circuit for connecting that end of said circuit to one terminal of said source when in one position and for connecting that end of said circuit to the other terminal of said source when in its other position, contact selections included in said circuit for at times opening and at times closing said circuit, electro-responsive means initially controlled by the condition of energization of said circuit, and means maintaining said electro-responsive means energized dependent upon that one of said control contacts connecting said other terminal of said source to its end of said circuit and independent of said contact selections.

2,200,858
TREATMENT OF CACAO BUTTER
William Clayton, Sydney Back, James Frederick Morse, and Robert Ian Johnson, London, England, assignors to Crosse & Blackwell Limited, London, England, a British company
No Drawing. Original application January 15, 1937, Serial No. 120,822. Divided and this application September 25, 1937, Serial No. 165,770. In Great Britain January 18, 1936
6 Claims. (Cl. 260—406)

1. Polymerised and strongly oxidised cacao butter having a molecular weight from 1050 to 1500 and an iodine value below 24.

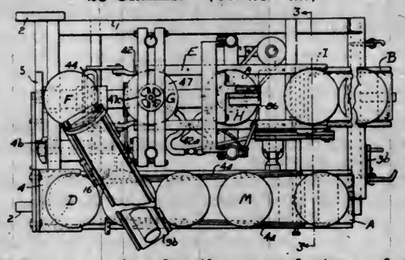
2,200,859
MACHINERY BASE STABILIZER
William D. Leonard, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application January 31, 1939, Serial No. 253,871
8 Claims. (Cl. 248—20)

1. A resilient support for machinery units subject to vibration, comprising a base; a plurality of resilient means for supporting said base; and an adjustable weighty mass for varying the location of the resultant center of gravity of said



mass and the base with the unit thereon to cause each of said resilient means to be placed under equal stress and to support equal shares of the weight of said mass, said base and said unit.

2,200,860
METHOD AND APPARATUS FOR MANUFACTURING POTTERY WARE
William J. Miller, Swissvale, Pa.
Original application February 9, 1935, Serial No. 5,795. Divided and this application July 20, 1935, Serial No. 32,391
25 Claims. (Cl. 25—22)

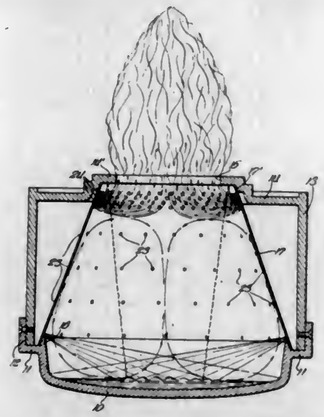


1. In apparatus for the manufacture of dinnerware on absorbent molds the combination which comprises, means for supporting clay billets containing a multiple of mold charges, means for progressing said billets toward a point of charge segregation, means for segregating clay charges from said body, means for operating said billet progressing means and said segregating means in timed relation, a mold support, means for delivering molds to said support and removing molds therefrom, means for operating said last named means in timed relation with said segregating means and said billet progressing means whereby molds are moved in succession into adjacency to said point of charge segregation and charges formed in succession and dropped onto said molds said charges being of substantially disc-like proportions of smaller diameter than the diameter of the ware forming surface of the aforesaid molds.

2,200,861
APPARATUS OF COMBUSTION
John S. Peoples, Chicago, Ill., assignor of one-fourth to Sangston Hettler, Chicago, Ill.
Application October 19, 1935, Serial No. 45,730
5 Claims. (Cl. 158—91)

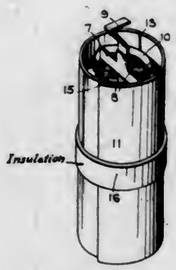
1. An oil burner comprising a vessel for maintaining a body of oil, a perforated cone above said vessel and tapering upwardly therefrom, a reflecting member above the cone and projecting in-

wardly thereof for a substantial distance in the radial direction, means establishing an annular chamber around said cone, and a blower for supplying air under pressure to said annular chamber



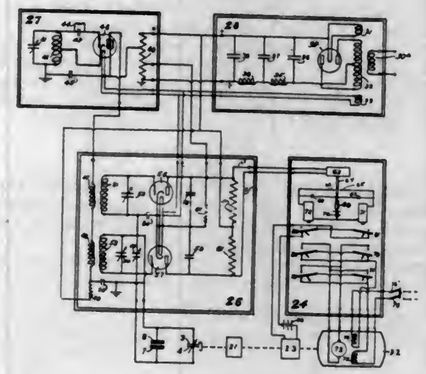
to cool the cone, said chamber terminating short of the oil containing vessel to avoid undue cooling thereof the perforations of the cone being arranged to direct air from the blower downwardly into the oil containing vessel.

2,200,862
DRY CELL
Alfred Henry Redfern, Birmingham, England, assignor to Maxolite Holdings Limited, Kingsway, London, England
Application March 5, 1938, Serial No. 194,187
In Great Britain December 9, 1935
7 Claims. (Cl. 136—107)



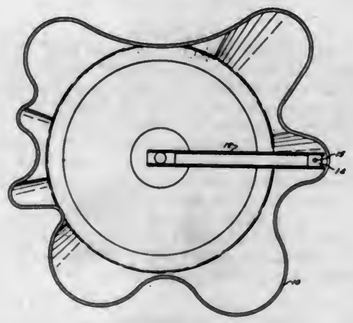
1. A dry cell or battery including a carbon electrode in the form of a conducting metal plate having substantially flat surfaces, a coating of carbonaceous material on each of said surfaces, two separately formed blocks of depolariser one on each of said surfaces, each of said blocks of depolariser being of width co-extensive with that of one of the flat surfaces of said electrode and said blocks conjointly forming a substantially cylindrical outer surface, electrolyte carrying membrane around the outer surface of said depolariser blocks and an open ended substantially cylindrical band of zinc completely surrounding said elements and forming the zinc electrode of the cell, said band being split longitudinally for radial contraction to press the surrounded elements into contacting engagement.

2,200,863
ELECTRICAL CIRCUITS FOR CONTROLLING AND MEASURING
Oscar Hugo Schuck, Philadelphia, Pa., assignor, by mesne assignments, to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application October 3, 1934, Serial No. 746,756
2 Claims. (Cl. 177—351)



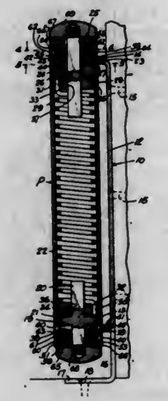
1. In combination; a first tuned circuit; a second tuned circuit, said tuned circuits being normally tuned to the same frequency; means for applying to both tuned circuits a voltage of a predetermined frequency different than the frequency of said tuned circuits; means for varying the tuning of one of said circuits; a common output circuit for both of said tuned circuits including means for detecting said variations in tuning; means in said output circuit responsive to said detection for automatically re-tuning said first circuit to said predetermined value and means for measuring the amount of said last means necessary for retuning the said first circuit.

2,200,864
ROUNDABOUT
Louis Spinelli, Cleveland, Ohio
Application August 30, 1939, Serial No. 292,645
2 Claims. (Cl. 272—44)



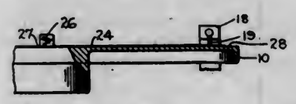
1. A roundabout comprising a rotatable sham mountain carrying thereon an upturned flange surrounding the same and having a track on its upper edge, a rotatable shaft having a radially projecting arm thereon, a carriage carried on said track and connected to said arm, and means for driving said track and arm in opposite directions.

2,200,865
CLOSURE CONTROLLING DEVICE
Benjamin F. Stannard, Los Angeles, Calif., assignor of forty per cent to A. B. Leavelle, Los Angeles, Calif.
Application September 3, 1938, Serial No. 228,424
25 Claims. (Cl. 16—54)



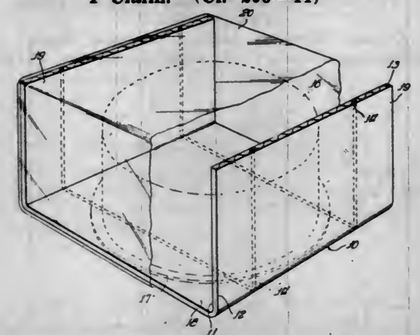
1. In a closure hinge, a pair of hinge members; a housing defining a fluid chamber; plugs closing the ends of the chamber; a hinge pin on one plug fixed to one hinge member; a worm screw in the chamber having a hinge pin forming portion journaled in the other plug and fixed to the other hinge member; a piston in the chamber slidably mounted on the hinge pin for actuation by the worm screw in response to relative hinging movement of the hinge members; means by which relative hinging movement of the hinge members in one direction will permit unrestricted movement of the piston; means by which relative hinging movement of the hinge members in the other direction will retard movement of the piston; and anti-friction means between said hinge pin and worm screw on which the end thrust of the latter is imposed.

2,200,866
APPARATUS FOR RECORDING SOUND ON THIN DISKS
Lincoln Thompson, Stamford, Conn.
Application December 15, 1938, Serial No. 245,944
2 Claims. (Cl. 274—9)



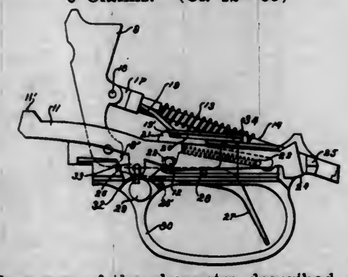
1. In a sound recording apparatus, a disk record of thin flexible semi-rigid material of less than .015" in thickness, a flat hard surfaced plate for directly receiving and rigidly supporting said record, a rotating center spindle associated with said plate and having a driving connection with said record, and a swinging arm located above said record and having a cutting head for indenting laterally undulating helical grooves in said record without substantial warping.

2,200,867
CAKE PACKAGE OR THE LIKE
Tracy C. Weltmer, Kansas City, Mo., assignor, by mesne assignments, to Interstate Bakeries Corporation, Kansas City, Mo., a corporation of Delaware
Original application January 10, 1935, Serial No. 25,779. Divided and this application March 23, 1939, Serial No. 263,607
1 Claim. (Cl. 206—44)



A cake package or the like comprising an inexpensive card-board body of cellular construction having longitudinally extending passageways therein, a reinforcing wire disposed in at least one of said longitudinally extending passageways, the body being thereafter bent to form a bottom and two sides of a relatively deep cubically defined container with the wire likewise bent, said wire terminating substantially flush with the upper ends of the sides, a cake or the like disposed on the bottom member of the body and spaced from the sides thereof, said cake also terminating short of the upper ends of said sides, and a transparent closure thereafter arranged about said container and cake snugly contacting said container but supported by said sides spaced from said cake.

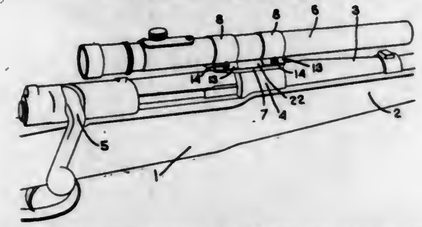
2,200,868
FIREARM
Charles A. Young, Springfield, Ohio
Application August 31, 1938, Serial No. 227,781
6 Claims. (Cl. 42—69)



2. In a gun of the character described, an impact member, a trigger-operated sear to hold said member cocked, a lock for said sear, a slidably mounted actuating device, a stop member for said device having a limited movement, means to connect said stop member with said lock, means operated by the impact member to move said stop member into the path of said actuating member when said impact member is cocked and to move it out of the path of said actuating member when the gun is fired, a spring for said stop member normally tending to move it to a

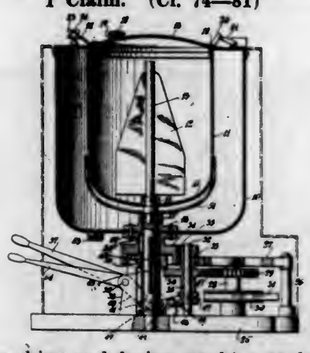
position to move said lock to locking position, said actuating member by a limited movement thereof adapted to contact said stop member and move it a limited distance against the tension of said spring to cause it to move the lock to unlocking position.

2,200,869
TELESCOPE SIGHT MOUNTING FOR FIREARMS
George Norman Albree, Concord, Mass.
Application January 19, 1939, Serial No. 251,696
8 Claims. (Cl. 33—50)



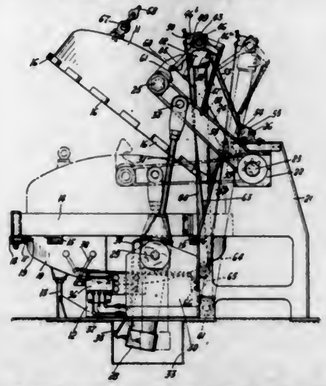
1. A telescope mount for firearms which have a convexly-curved mount-receiving surface extending lengthwise of the barrel, said mount comprising a supporting base having its under face concavely curved on a radius less than that of the convexly-curved mount-receiving surface of the firearm, whereby said base, when assembled with the firearm, will engage the convexly curved surface thereof along two lines of contact only extending lengthwise of the barrel, means to secure said base to said firearm, and means for clamping a telescope to the base.

2,200,870
COMBINED WASHER AND DRIER
William Armbruster, New York, N. Y.
Application February 18, 1937, Serial No. 126,353
1 Claim. (Cl. 74—81)



In a washing and drying machine as described, a drive comprising a substantially cup shaped movable member, a sleeve formed with said member, a shaft within said sleeve and keyed thereto, a comparatively high gear keyed to said sleeve and having a socket, means to raise and lower said sleeve to operate said cup-shaped member, a post parallel to said shaft, a sliding sleeve on said post, an upper and a lower gear on said sliding sleeve, an operating gear in mesh with said lower gear, an eccentric drive on the shaft of said operating gear, a means to raise and lower said post sleeve to alternately bring the upper gear in mesh with the lower part of said high gear to rotate said shaft sleeve gear and parts connected thereto by the operating gear, and to bring the upper gear in mesh with the upper part of said high gear to impart to said shaft sleeve gear and parts connected thereto an oscillating or spinning movement by the eccentric drive.

2,200,871
VULCANIZER
George P. Bosomworth, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 18, 1938, Serial No. 214,612
5 Claims. (Cl. 18—17)



1. In a vulcanizer of the character described, the combination of stationary lower vulcanizer section, a removable cover therefor, a pair of lever arms pivoted at one end to a fixed point and extending along opposite sides of said cover, the free ends of the lever arms being pivotally connected to the cover at diametrically opposite points thereof, and respective fluid pressure cylinders connected to said arms for raising and lowering the same, said fluid pressure cylinders being pivotally mounted below said lever arms and connected thereto intermediate the ends thereof.

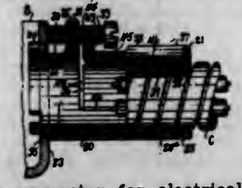
2,200,872
CONSTRUCTION ELEMENT INCLUDING STRUCTURAL SHAPES AND MEMBERS
Gerald Robert Brophy, Westfield, and Herbert James French, Elizabeth, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 25, 1939, Serial No. 252,728
6 Claims. (Cl. 75—125)

5. A low alloy steel combining high yield point with low weld hardenability and containing in balanced and controlled amounts about 0.75% to about 1.25% copper, about 0.5% to about 1.5% nickel, the ratio of nickel to copper being greater than about 1:2, about 0.2% to about 0.65% manganese, about 0.15% to about 0.05% carbon, about 0.85% to about 1.25% silicon, the silicon content exceeding 0.85% by approximately 0.1% for approximately each 0.1% excess of total carbon, manganese and nickel above 1.5%, and the balance substantially all iron, said steel being in a worked condition and possessing a yield point in the as rolled condition exceeding about 55,000 pounds per square inch combined with low weld hardenability not exceeding about 300 Brinell hardness when welded at temperatures down to about 5° F.

2,200,873
ZINC OXIDE
Howard M. Cyr, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application November 27, 1935, Serial No. 51,748
5 Claims. (Cl. 23—147)

1. The improvement in a method of making acicular zinc oxide by the oxidation of zinc vapor which comprises introducing zinc vapor without substantial preliminary oxidation thereof into a combustion chamber, simultaneously introducing into the combustion chamber a non-oxidizing diluting gas, the volume of the diluting gas being at least twice the volume of the zinc vapor, simultaneously introducing into the combustion chamber air only slightly in excess of that necessary for the oxidation of the zinc vapor, burning the zinc vapor substantially completely with a lazy flame in said chamber in the presence of the air and the non-oxidizing diluting gas, the zinc vapor being introduced into the chamber at such a rate that the volume of such vapor entering the chamber per minute does not exceed one twenty-fifth of the volume of the chamber.

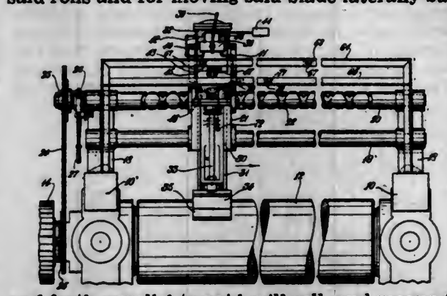
2,200,874
BOX CONNECTOR
Paul N. Dann, New Haven, Conn., assignor to The Rattan Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application November 16, 1938, Serial No. 240,615
3 Claims. (Cl. 285—6.5)



1. A box connector for electrical-cable comprising: a cable-engaging coupling-member including a nipple for bushing an opening in a box and having an abutment-finger at its inner end, an oppositely-arranged mounting-lug at the outer end thereof, and an outwardly-projecting securing-screw threaded through said mounting-lug for securing said box adjacent said opening, respectively between said inner abutment-finger and said outer securing-screw; a separable cable-engaging cap-member for said coupling-member having an extending-portion thereof between the coupling-member and said outwardly-projecting securing-screw; and adjustable clamping-devices for the separable coupling-member and cap-member; said cap-member being shiftable toward said outwardly-projecting securing-screw and being constructed and arranged for positioning in non-interfering relation to operation of said securing-screw exteriorly of said box.

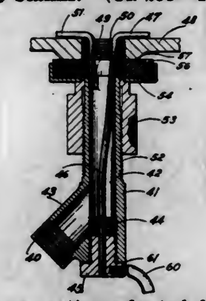
2,200,875
MIXER FOR PLASTIC MATERIAL
Terry W. Edwards and Charles H. Nagel, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 20, 1938, Serial No. 203,078
4 Claims. (Cl. 18—2)

1. In a mixer for plastic material, the combination of a mill comprising rolls for forming a thick sleeve of plastic material on one of the rolls thereof, a flat scraper blade for removing material from said mill roll, power means common to said mill rolls and said scraper blade for rotating said rolls and for moving said blade laterally back



and forth parallel to said mill roll, and means for raising and lowering said scraper, off of and onto said mill roll at determinate points in its course of lateral movement.

2,200,876
CRANKCASE FLUSHING MACHINE
Carl F. Ehinger, Cleveland, Ohio, assignor, by mesne assignments, to Paul B. Hunt, Cleveland, Ohio
Application April 7, 1936, Serial No. 73,141
Renewed October 19, 1939
3 Claims. (Cl. 285—44)

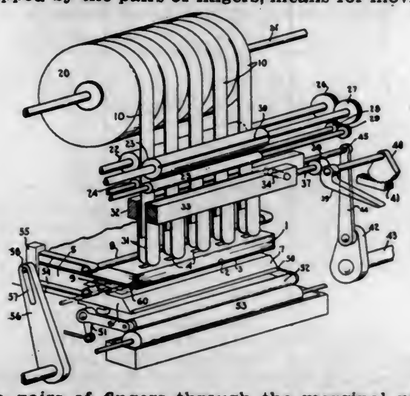


1. A fluid connection adapted for engagement with a receptacle having a drainage opening, comprising a body portion, a hook member rigidly mounted on said body portion, a second hook member rotatably mounted within said body portion and adapted in one position of adjustment to lie alongside said first mentioned hook member and in another position of adjustment to extend in a direction away from said first mentioned hook member, both of said hook members being adapted to project within the drainage opening and to engage the inner wall of the receptacle adjacent the drainage opening, a sealing washer disposed on the exterior of said body portion, and means for urging said sealing washer into sealing engagement with the exterior surfaces of said receptacle adjacent said drainage opening.

2,200,877
LOOSE-LEAF BINDING METHOD AND APPARATUS
Emil N. Farkas, Chicago, Ill., assignor of one-half to Frank F. Farkas, Chicago, Ill.
Application February 10, 1939, Serial No. 255,581
6 Claims. (Cl. 11—1)

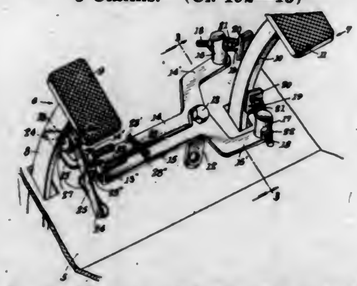
4. In a book binding machine, a clamp for marginally perforated book leaves, a table on which said leaves rest, said table having a ledge, a stop for loose pieces of paper, means for carrying a plu-

rality of supplies of paper ribbons adjacent one another, a plurality of pairs of fingers, one pair for each supply of paper ribbons, means for advancing the ribbons from each of said supplies between said pairs of fingers, means for causing the pairs of fingers to grip the ribbons between them, means for severing the lengths of ribbons gripped by the pairs of fingers, means for moving



the pairs of fingers through the marginal perforations in the book leaves, means for separating the pairs of fingers to release the severed lengths of ribbons against said stop, means for folding the ends of the ribbons over the perforated margin to form rings with overlapping ends, means for removing the book from the clamp, and means for feeding a new book into binding position in the machine.

2,200,878
CLUTCH-OPERATED CONTROL
Victor W. Farris, New York, N. Y.
Application October 21, 1938, Serial No. 236,209
5 Claims. (Cl. 192—13)

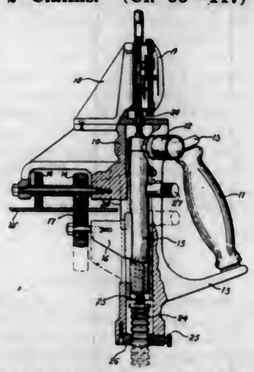


1. In combination with the clutch and brake pedals of a motor vehicle, a pair of jaws adapted to grip the brake pedal and hold the same in its then position, said jaws being pivotally mounted on a common pivot point, and means operated by the clutch pedal to actuate said jaws.

2,200,879
DENATURED ALCOHOL CONTAINING AN ACETYLATED HARDWOOD OIL
Louis J. Figg, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 18, 1937, Serial No. 164,572
12 Claims. (Cl. 202—77)

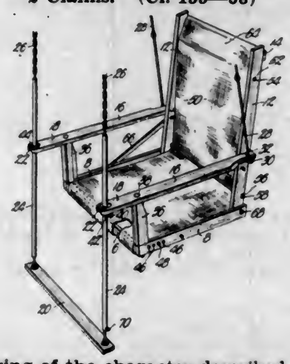
1. An odorant especially adapted to be used as a denaturant, comprising the composition resulting from the acetylation of a caustic-soluble oil obtained by the destructive distillation of hardwood.

2,200,880
MANUALLY OPERATED THICKNESS GAUGE
Raymond S. Fox, Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application January 28, 1938, Serial No. 187,469
2 Claims. (Cl. 33—147)



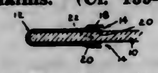
1. A thickness gauge for metal sheets comprising in combination, a body member, a pair of spaced rollers mounted therein rotatable upon a common fixed axis and adapted to engage one surface of the material being gauged, a roller mounted for movement toward and from one of said fixed rollers and engaging the opposite surface of the metal being gauged, indicating means whereby the position of said movable roller may be determined, supplementary guiding rollers on opposite sides of the axis of said pair of spaced rollers and engaging the material being gauged on the same side therewith, said spaced rollers and supplementary rollers having their material engaging portions in a common plane, and handles on said body member.

2,200,881
SWING
William H. Fry, Kansas City, Mo.
Application September 12, 1938, Serial No. 229,401
2 Claims. (Cl. 155—58)



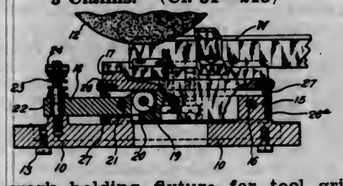
1. A swing of the character described comprising a frame having a seat portion; an arm on the frame disposed along each side of the seat portion thereabove and each having a bifurcated length extending outwardly beyond the seat portion; a foot rest forwardly of and below the seat portion beneath the bifurcated lengths of said arms; and suspension members for the swing, there being a suspension member passing through the bifurcated length of each arm respectively and into engagement with said foot rest, the portions of said suspension members intersecting the arms and extending to the foot rest being in the nature of a stiff link for the purpose specified, each of said links having a cross-pin passing therethrough to underlie the bifurcated length of the associated arm, each arm having loops of leather or the like circumscribing the cross-pin on each side of the said link whereby the links are pivotally joined to the arms and the suspension members having said links therein support the weight of a portion of the swing.

2,200,882
NARROW FABRIC
Bertram J. Goldsmith, Neshanic, N. J.
Application May 24, 1938, Serial No. 209,718
4 Claims. (Cl. 139—384)



1. A narrow fabric of the class described comprising a length of fabric having a body portion and a longitudinally extending marginal edge portion comprising two superposed thicknesses united at their inner edges with the body portion and separate from each other at their outer portions, one of said thicknesses being wider than the other.

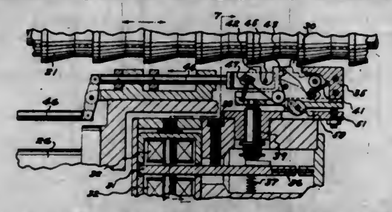
2,200,883
TOOL GRINDING FIXTURE
John J. Harten, Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application September 1, 1938, Serial No. 227,995
3 Claims. (Cl. 51—218)



1. A work holding fixture for tool grinding machines comprising in combination, a base member, a body member pivoted thereto adjacent one end, tool clamping means on said body member, a lever pivotally mounted in said base member intermediate its ends, one end of said lever supporting said body member adjacent the end opposite its pivoted end, a spring mounted adjacent its opposite end resiliently retaining said lever in position to support said body member in operative position, and means to adjust the pressure of said spring.

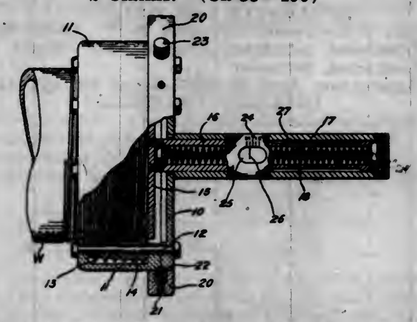
2,200,884
POSITIONING DEVICE FOR MACHINE TOOL TABLES
Frank O. Hoagland, West Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application February 26, 1937, Serial No. 127,973
5 Claims. (Cl. 33—181)

3. A table positioning means for machine tools comprising in combination, a base, a table thereon, means to move said table, a bar on said table extending in the direction of movement thereof, equally spaced abutments on said bar, a pivotal member supported in said base having a movable member in position to engage any of said abut-



ments, micrometer adjusting means for said pivotal member whereby the position of said member in a direction parallel to said bar may be determined, and means to indicate when said pivotal and movable members are in measuring position.

2,200,885
THREAD GAUGE
Stanley G. Johnson, Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application June 6, 1938, Serial No. 212,024
2 Claims. (Cl. 33—199)

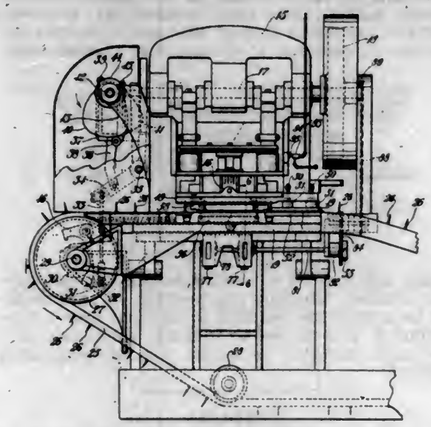


1. A screw thread gauge comprising in combination, a housing, a plurality of screw thread engaging members mounted in a circular series within said housing, a plate supported for movement within said housing in a direction parallel to said members, whereby a threaded member to be gauged may engage against a face of said plate and said thread engaging members when said gauge is placed in gauging position, means normally forcing said plate toward its forward position, and a ring surrounding said housing and frictionally retained for rotation thereon.

2,200,886
GRID-TRIMMING APPARATUS
Max O. Kuhn, Cuyahoga Falls, Ohio, assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 8, 1938, Serial No. 184,054
8 Claims. (Cl. 164—20)

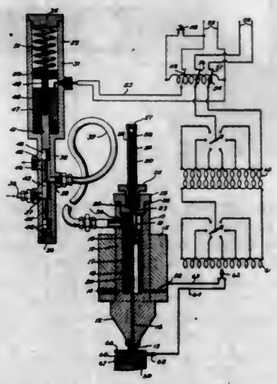
1. In grid-trimming apparatus, the combination of a die having an opening therein defining the outline of the grid to be trimmed, a reciprocable punch operating through said opening, a die pad in alignment with said opening, yielding means normally urging said die pad out of said opening, and rotary power-driven means operat-

ing in determinate time relation to the movement of the punch and adapted mechanically to en-



gage the pad structure for restraining movement of the pad in opposition to said yielding means.

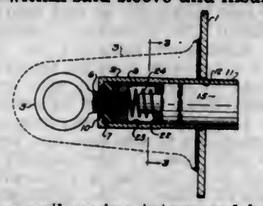
2,200,887
APPARATUS FOR WELDING
Henry C. Lockwood, Brooklyn, N. Y.; Isabel Tyte Lockwood administratrix of said Henry C. Lockwood, deceased
Application April 8, 1937, Serial No. 135,656
17 Claims. (Cl. 219—4)



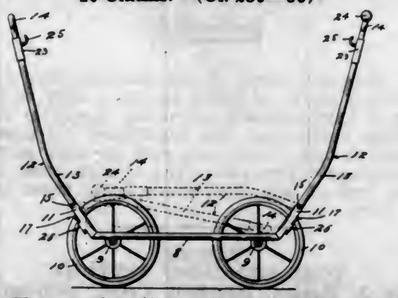
4. A welding electrode having an electrically non-conducting work engaging portion and an electrically conducting portion, the latter being operable independently of the former.

2,200,888
SUPPORT FOR RADIO ANTENNAE
Arthur T. Mace, East Cleveland, Ohio, assignor to The Radiart Corporation, Cleveland, Ohio, a corporation of Ohio
Application January 13, 1940, Serial No. 313,767
8 Claims. (Cl. 250—33)

1. In an automobile radio antenna, the combination of an antenna rod and means for securing said rod to the cowl of the automobile, said means comprising a metallic sleeve, a nut within said sleeve and insulated therefrom, an eye-bolt secured to said nut, a lead-in cable terminal socket secured within said sleeve and insulated therefrom, and a coil spring interposed between said nut and socket.

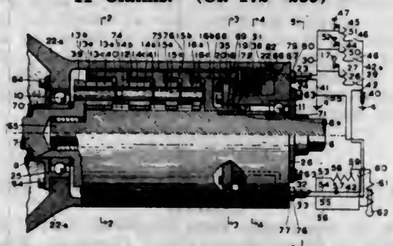


2,200,889
LATCH MECHANISM FOR FOLDING BODY SUPPORTS ON BABY CARRIAGE CHASSIS
Julius Andrew Mahr, Minneapolis, Minn., assignor to Inventors Patent Holding Company, Minneapolis, Minn., a corporation of South Dakota
Application July 20, 1939, Serial No. 285,541
10 Claims. (Cl. 280—36)



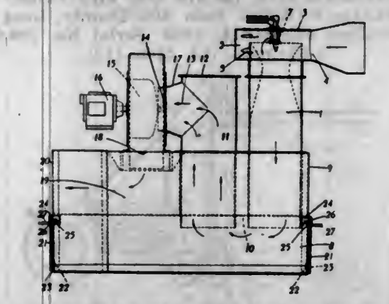
1. The combination with a folding chassis having a pair of separate and independent side members, an upright body support attached to said side members for folding movement upon itself transversely of the chassis and for bodily folding movement onto the chassis longitudinally thereof, of a toggle joint transversely connecting said side members, and latch mechanism for holding the body support in an operative position, said toggle joint being arranged to automatically release the latch mechanism during buckling of the toggle joint to fold the chassis.

2,200,890
POWER TRANSMISSION DEVICE
Howard J. Murray, New York, N. Y.
Application April 8, 1938, Serial No. 200,821
11 Claims. (Cl. 172—239)



1. The combination in a vehicle power transmission including a pair of shafts, differential speed driving sets each in speed driving relation with one of the shafts and with each neighboring set, one set in driving relation with the other shaft for establishing a drive between the shafts, of control means including a source of current for automatically establishing a desired speed relation between the shafts as the drive is effected, said control means comprising an alternating current, dynamo-electric brake including a fixed field portion energized from said source, a rotatable element and a fixed armature portion energized by power received from said shafts through said sets, a plurality of manually operable co-incidental vehicle fuel supply and brake means for separately controlling the field element current supply and thereby causing the brake to become effective, said control means being operable incidental to the rotation of the shafts to additionally augment the intensity of the action of the brake, and a unidirectional clutch for connecting the shafts in positive drive relation independently of the fixed field producing means.

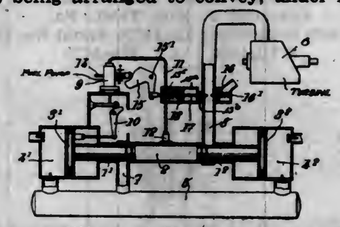
2,200,891
DUST EXTRACTION
Tage Georg Nyborg, Worcester, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England
Application November 16, 1937, Serial No. 174,865
In Great Britain November 21, 1936
4 Claims. (Cl. 183—21)



1. Apparatus for extracting and collecting dust from air or gases comprising a chamber, a mixing tube open at its end projecting into the chamber and forming therewith an annular space, means for leading dust laden air tangentially into this annular space so as to impart a rotary motion to the air, and causing the rotating air to pass inwardly into the mixing tube over the projecting end thereof so that a vortex is formed tending to throw dust particles towards the center thereof, and a spray nozzle arranged near the entrance to the mixing tube to deliver a fine water spray along the axis of the vortex thus formed in the direction of its general movement.

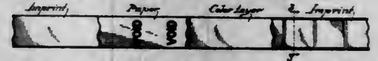
2,200,892
REGULATING DEVICE FOR COMPRESSED FLUID GENERATORS OF THE FREE PISTONS TYPE
Raul Pateras Pescara, Paris, France, assignor to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A: Geneva, Switzerland
Application November 3, 1936, Serial No. 109,033
In Belgium November 8, 1935
16 Claims. (Cl. 60—13)

1. A system of the type described which comprises, in combination, a motor compressor including an internal combustion motor cylinder, at least one gas compression cylinder, at least one piston freely movable in said cylinders, and an adjustable pump for feeding fuel to said motor cylinder, a gas operated receiving machine requiring at low drive gas pressures a quantity of gas less than the minimum output of said motor compressor, means for causing gas under pressure from said compression cylinder to flow to said receiving machine by passing at least partly through said motor cylinder, said means being arranged to convey, under normal



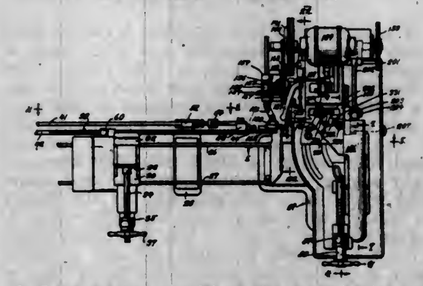
running conditions of the system, the whole of said gas to said receiving machine, regulating means, responsive to variations of the working conditions of said receiving machine, for controlling the feed of said fuel pump, and outlet means disposed between the inlet of the compressor cylinder and the gas operated receiving machine operative by the pressure of the compressed gas, at low pressures only of the compressed gas, for releasing a part of the gas after its entrance into the compressor cylinder.

2,200,893
STAMP OR THE LIKE
Irwin L. Poliack, Chicago, Ill., assignor to American Decalcomania Company, Chicago, Ill., a corporation of Illinois
Application March 22, 1939, Serial No. 263,569
5 Claims. (Cl. 283—10)



1. In a device of the character set forth, a paper strip, imprinting thereon in water-soluble ink, a water-impervious layer over said ink and paper and concealing said ink, and a design imprint on said water-impervious layer.

2,200,894
SAW MACHINE
Charles Rasmussen, Racine, Wis., assignor of one-half to John Oster, Racine, Wis.
Application May 9, 1936, Serial No. 78,841
26 Claims. (Cl. 29—73)



1. In a sawing machine, the combination with a power operated saw and stock feeding mechanism, of means for bringing about the alternate operation of said saw and said mechanism and

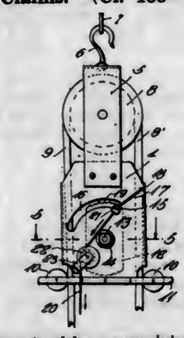
adjustable means for varying the limit of movement of said mechanism, and means for preventing the operation of the saw while said feeding mechanism is operating, said means including a cam operated through a rack and gear and regulated by spring pressure.

2,200,895
SHOESTRING FASTENER
Clarence J. Rio, Tyler, Pa.
Application September 13, 1939, Serial No. 294,728
5 Claims. (Cl. 24—117)



4. A shoestring fastener comprising a hollow stationary jaw having an open lower end and side openings for passage of end portions of a shoestring therethrough, a wedge in said stationary jaw constituting a movable jaw shiftable therein into and out of position for clamping a shoestring against portions of the movable jaw below the side openings thereof, a pin carried by the stationary jaw and engaged through a passage formed longitudinally in the movable jaw, and a spring about said pin urging said movable jaw downwardly into position for gripping a shoestring.

2,200,896
HOIST PULLEY AND ROPE GRIPPER
Clarence J. Rio, Tyler, Pa.
Application September 13, 1939, Serial No. 294,729
5 Claims. (Cl. 188—65.1)



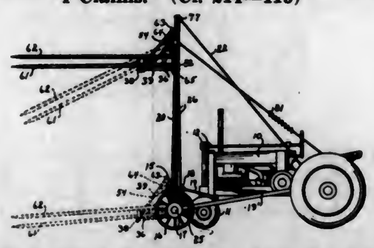
1. A hoisting tackle comprising a casing having side walls and edge walls and being open at its upper and lower ends, a yoke rising from said casing and secured to side walls of the casing, a pulley wheel rotatably carried by said yoke over said casing whereby a cable may be trained over the pulley wheel with flights passing through the casing, a block rotatably mounted in said casing and having opposite end edges formed with teeth, one side wall of the casing being formed with an arcuate slot concentric to the axis of said block, a pin extending from said block outwardly through said slot, a spring secured to the casing and to the outer end of said pin and yieldably holding the block in vertical position out of gripping engagement with the cable, and a pull line having one end connected with said pin, said pull line when drawn upon serving to exert pull on the pin and turn the block about its axis and dispose its teeth in position to clamp flights of the cable against the edge walls of the casing and secure the cable against movement in a load lowering direction.

2,200,897
UMBRELLA
Nathan Ronkin, Elizabeth, N. J.
Application October 14, 1939, Serial No. 299,544
4 Claims. (Cl. 135—36)



1. A tip for an umbrella rib comprising a rounded portion with a closed end and another portion with flat faces on the opposite sides thereof and having an open bore for the reception of the end of an umbrella rib, and a plurality of holes extending diametrically through said tip and approximately normal to the planes of said flat faces.

2,200,898
LOADER FOR GRAIN OR THE LIKE
Wallace F. Rouse, Palo Alto County, Iowa
Application August 14, 1939, Serial No. 290,045
4 Claims. (Cl. 214—113)

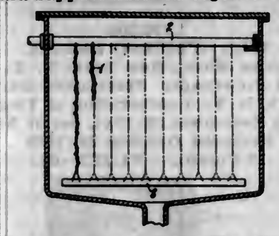


1. In a device of the class described, a steerable chassis designed to be secured to a driving mechanism or the like, two spaced-apart track members rigidly secured to said chassis and extending upwardly, a carrier element slidably mounted on said track bars, a means for manually raising said carrier on said track bars, a tooth rack pivotally secured to said carrier and having thereon a plurality of forwardly extending elongated tooth members, a shaft secured and rotatably mounted on said carrier, a sprocket gear secured to said shaft, a second sprocket gear spaced from said first mentioned sprocket gear and secured to said carrier, a sprocket chain operatively connecting said first and said second mentioned sprocket gears, spaced apart lugs on said chain capable of contacting the rearward end of said tooth rack for controlling its pivotal action, and a manually operated brake mechanism on said shaft for limiting the movement of said chain, said lugs and said tooth rack at times.

2,200,899
SPACING MEANS FOR BAG FILTERS
Wilhelm Heinrich Scheidt, Wuppertal-Elberfeld, Germany
Application November 12, 1937, Serial No. 174,274
In Germany August 24, 1937
4 Claims. (Cl. 210—195)

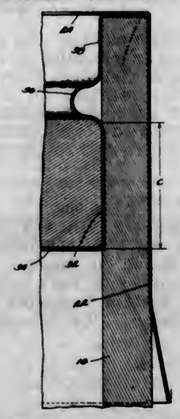
1. Spacing means for bag filters, comprising

in combination, a fixed support, a plurality of continuous lengths of elastic material secured midway between their ends to said support with the portions of each length of material on either side of said support hitched together at intervals



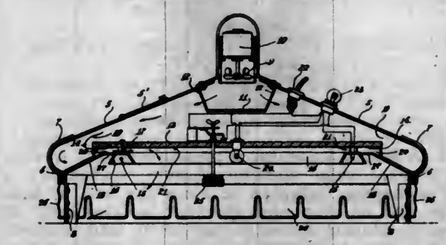
so as to form a looped chain-like structure, and a second fixed support spaced from said first-mentioned support, the free ends of each length of material being fixed to said second support with the looped structure under tension.

2,200,900
CONTAINER CONSTRUCTION
Robert E. Schmidt, Elgin, Ill., assignor to Elgin Butter Tub Company, a corporation of Illinois
Application March 3, 1938, Serial No. 193,704
7 Claims. (Cl. 229—5.7)



1. A container comprising a hollow body portion having an open end, said body portion having its walls formed of compressible material, a head portion for an open end of said body portion, said head portion being telescoped into the end of the body portion, said head portion of a permanent size and having a metallic edge enclosing band, said band having a ledge bent over the top of said head portion, the continuation of said upper ledge in the same plane as said band and terminating in an outwardly directed shoulder portion adapted to rest upon the edge of said body portion, and a compressing member in the nature of an enclosing rim member of a preformed shape capable of being fastened about the outside of said body portion and formed with an inwardly turned ledge adapted when said rim is in position to rest upon the outer surface of the shoulder of said metallic edge member, said rim member adapted in position to compress the walls of said body portion and form a croze in the inside surface of the same spaced from the end and conforming to the size of the edge enclosing band of said head portion.

2,200,901
BROODER
Howard S. Smith, Plainville, and John L. Robertson, Forestville, Conn., assignors to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application May 28, 1938, Serial No. 210,552
3 Claims. (Cl. 119—33)



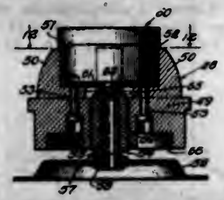
1. A brooder having a slanting roof with an air inlet, a flat ceiling positioned between the top and lower edge of said roof providing spaces above and below said ceiling, said ceiling being supported with its periphery spaced from the sides of the roof and providing a passage therebetween, a fan supported by the roof and positioned in said air inlet for circulating the incoming air, a deflector plate extending around the lower edge of said roof and extending from the lower edge of said roof upwardly toward and inwardly of but spaced from the periphery of the ceiling providing a passage between said plate and ceiling in communication with the space below the ceiling, a heating element positioned adjacent said latter passage and supported on but spaced from the under surface of said ceiling and providing a passage between said heating element and ceiling, and a deflector element surmounting said heating element beneath the latter passage.

2,200,902
LADDER
Harry A. Solomon, Syracuse, N. Y.
Application November 5, 1938, Serial No. 239,077
1 Claim. (Cl. 228—62)



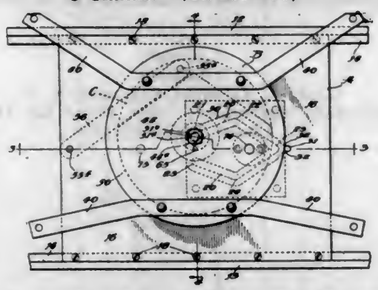
A ladder comprising a pair of runners having apertured top end portions, rungs between the runners, resilient caps mounted on said top end portions, substantially U-shaped members pivotally secured to said apertured end portions rearwardly of said resilient caps and adapted to swing over said caps, and suction cups secured at their center to said U-shaped members for holding the ladder against slipping when in use.

2,200,903
VALVE FOR PRESSURE COOKERS
Percy W. Stephens, Chicago, Ill.
Application February 4, 1937, Serial No. 124,127
2 Claims. (Cl. 53—2)



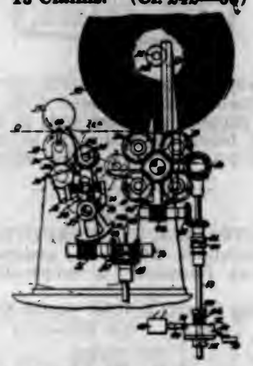
1. A safety valve for a pressure cooker having a vertical tube opening therein, including: a valve member adapted to close the end of said tube and be supported thereby; a valve body of heat insulating material carried by said member and having upwardly projecting portions forming a socket; a pressure gauge adapted to be received by said socket and fastened therein, said gauge and body cooperating to form a chamber of relatively large dimensions surrounding said valve member and communicating to atmosphere through a relatively large area between said upwardly projecting portions; and means whereby said gauge communicates with said tube, said means comprising an opening through said valve member.

2,200,904
REVOLVING CAR SEAT
Clarence A. Van Derveer and Ernie J. Beck, Michigan City, Ind., assignors, by mesne assignments, to S. Karpen & Bros., a corporation of Illinois
Application June 7, 1937, Serial No. 146,912
8 Claims. (Cl. 155—96)



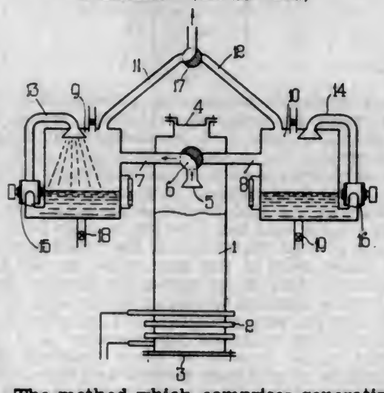
3. In combination, a base equipped with a pair of spaced plates comprising an upper and a lower plate, a chair-supporting structure rotatably supported on said base and including a supporting plate slidably engaging said upper plate, said upper plate having an opening therein and having a socket at the lateral edge of said opening, said lower plate being equipped with a guide track extending laterally of said base in a forward path and returning laterally of said base in a rearward path, a disk disposed between and slidably engaging said spaced plates, said disk being provided with an edge groove, a guide link having its one end pivotally secured within said groove and being pivotally connected at its other end to said base, a stud secured to said supporting plate and to said disk and engaging said track, means for resiliently holding said structure in one position, means associated with said structure for engaging said socket after rotation of said structure through substantially 90° for moving said stud into said rearward path, and means for resiliently holding said structure in a reversed position after rotation of said structure through substantially 180°.

2,200,905
WEB SPLICING DEVICE
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application November 13, 1934, Serial No. 752,817
Renewed October 20, 1938
13 Claims. (Cl. 242—66)



8. In a winding machine, the combination of a rotatable frame, a plurality of rolls carried by the frame at equal distances from its axis of rotation, means for rotating all of said rolls on their respective axes, and means for rotating said frame to bring any two adjacent rolls to the top to support a core and rotate it.

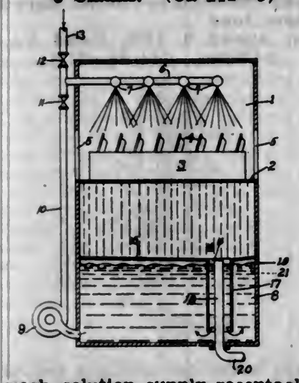
2,200,906
MANUFACTURE OF ALKALI METALS AND ALKALI METAL HYDROXIDES
Thomas Wood, St. Helens, England
Application November 10, 1937, Serial No. 173,946
In Great Britain November 12, 1936
8 Claims. (Cl. 23—184)



2. The method which comprises generating in a mixture of an alkali metal mineral acid salt selected from the group consisting of chlorides and sulphates, a non-volatile base and a solid reducing agent which is a conductor of electricity, eddy currents sufficient to raise the temperature to a point at which reaction takes place with liberation of alkali metal excluding air and maintaining a reduced pressure during said reaction and removing the vapours of alkali metal from the reaction zone.

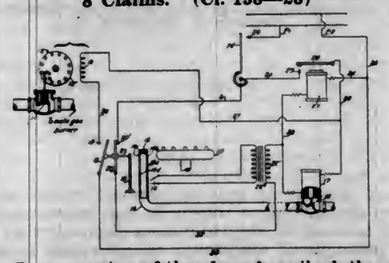
8. The method which comprises bringing about a reaction between sodium chloride, lime and coke by heating them together by high frequency induction with exclusion of air and under reduction of pressure withdrawing vapours containing sodium and contacting such vapours with water to form caustic soda.

2,200,907
DISHWASHING MACHINE
Kurt Albrecht, Pittsburgh, Pa., assignor to John M. Hopwood, Mount Lebanon, Pa.
Application April 18, 1938, Serial No. 202,628
3 Claims. (Cl. 141—9)



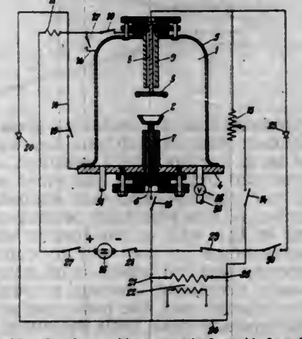
3. A wash solution supply receptacle for mechanical dishwashing machines of the jet type adapted to be connected to a pump supplying the jets and receiving wash solution returned from said jets, said receptacle having a closed top provided with an opening therein and a tube connected to said opening and extending downwardly into said receptacle for conveying return wash solution to the interior of said receptacle, there being an overflow outlet associated with said tube the outlet opening of which is located above the normal level of wash solution contained in said receptacle, said overflow outlet being operative to allow rinse water collecting in said tube on top of the wash solution therein to overflow to drain without substantially diluting said wash solution.

2,200,908
FUEL BURNER CONTROL SYSTEM
Don Beggs, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application August 30, 1939, Serial No. 292,695
8 Claims. (Cl. 158—28)



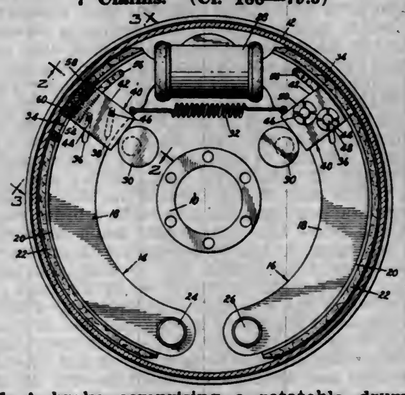
1. In apparatus of the class described, the combination of a pilot burner, a pilot burner valve, an electric motor for opening said valve, an electric igniter for said burner, a control relay having a normally open switch, a master control switch, an energizing circuit for the relay independent of the pilot valve motor and including said master control switch and igniter, a holding circuit for the relay independent of the igniter and including said master control switch, the relay switch and the pilot valve motor.

2,200,909
METALLIZATION OF METAL ARTICLES BY CATHODE DISINTEGRATION
Bernhard Berghaus, Berlin-Lankwitz, and Wilhelm Burkhardt, Berlin-Grunewald, Germany; said Burkhardt assignor to said Berghaus
Application November 29, 1938, Serial No. 243,012
In Germany November 30, 1937
1 Claim. (Cl. 250—27.5)



The method of coating metal articles by cathode disintegration within an evacuated chamber having a metallic cathode therein which comprises, impressing a voltage across the cathode and the article to be coated to create a glow current within the chamber for heating the article and disintegrating metal particles from the cathode onto the article, adjusting said voltage to such a value as to fuse the metal particles into the article being coated, and applying additional metal particles onto coating thus formed at a temperature below the fusion temperature.

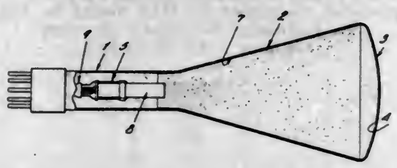
2,200,910
AUTOMATIC ADJUSTER
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application December 23, 1938, Serial No. 247,516
7 Claims. (Cl. 188—79.5)



1. A brake comprising a rotatable drum, a

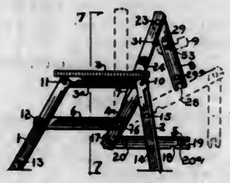
braking element for cooperation therewith, a retractile stop associated with the element, and a member frictionally clamped to the element and movable thereof for cooperation with the drum and stop.

2,200,911
SEALED LEAD-IN FOR CATHODE-RAY TUBES AND THE LIKE
Robert M. Bowie, St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application January 12, 1938, Serial No. 184,521
3 Claims. (Cl. 250—27.5)



1. In combination, an enclosing glass envelope and a lead-in wire sealed into the wall of the envelope in a vacuum-tight manner, said wire having one end exposed on the inner surface of the wall and the opposite end exposed on the outer surface of the wall, both of said ends being imbedded in the wall, a conductive coating on the inner surface of the wall in contact with said inner exposed end, and a conductive coating on the outer surface of the wall in contact with said outer exposed end, the outer end of the wire being substantially flush with the outer wall surface.

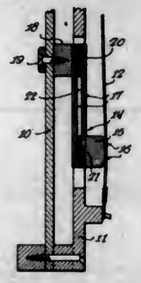
2,200,912
COLLAPSIBLE BEACH CHAIR AND COT
Alfred E. Brandon, New York, N. Y.
Application June 7, 1938, Serial No. 212,241
10 Claims. (Cl. 155—45)



1. A combination beach chair and cot comprising arm rests, front and rear legs respectively pivoted to said arm rests, link elements pivotally mounted upon the pivots joining said arm rests to said rear legs and depending therefrom, pivotally connected seat and back rest frames pivoted to said depending links, the front end of the seat frame being pivoted to said front legs, cross bars connecting said rear legs, and recesses rearward in each side rail of said back rest frame adapted to engage one said cross bar whereby said back rest frame may be retained in various positions when detached from the arm rests, a brace frame movable below said seat frame being pivoted to the depending links and provided with means engageable with said rear legs so that said brace frame may remain unobstructed by the back rest frame when the structure is extended as a cot, a supplemental leg frame having one end pivotally mounted on the free end of the back rest frame, the other end adapted to be engaged with the said rear legs and recesses on the free end of said supplemental legs engaging another one of said cross bars when the back rest frame engages said first cross bar and the seat is in alignment therewith.

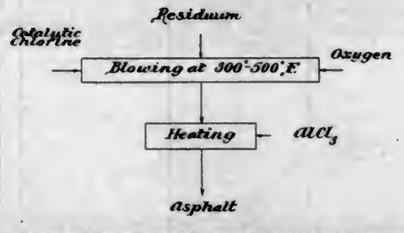
2. A combination beach chair and cot as in claim 1, means mounted upon the side rails of said supplemental leg frame to form lateral projections adapted to engage the side rails of said back rest frame whereby said supplemental leg frame may be braced in open or closed condition when said back rest frame engages the said arm rests.

2,200,913
PIANO BRIDGE
Oscar A. Bronson, Milwaukee, Wis., assignor of one-third to William S. Collins, Minneapolis, Minn., and one-third to Charles Hays Jackson, Des Moines, Iowa
Application August 9, 1939, Serial No. 289,125
3 Claims. (Cl. 84—212)



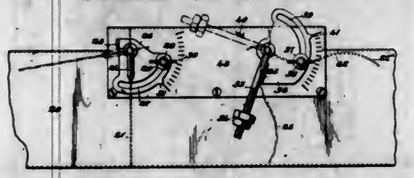
1. A piano bridge comprising a pair of superimposed leaves spaced apart to form a resonance chamber therebetween, means disposed substantially along one marginal portion of said superimposed leaves for mounting the latter upon a piano sounding board in spaced relation thereto, said leaves extending laterally from said mounting means, and means disposed substantially along and supported by the opposite marginal portion of said leaves for contact with the piano strings whereby sound vibrations from said strings are transmitted to said sounding board through opposite side walls of said chamber.

2,200,914
MANUFACTURE OF IMPROVED ASPHALT
Robert E. Burk and Charles H. Whitacre, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application July 14, 1938, Serial No. 219,186
5 Claims. (Cl. 196—74)



1. A process of making asphalt, which comprises air-blowing a residuum and introducing a small amount of chlorine, then discontinuing the 0.25 per cent of aluminum chloride and a small 0.25 per cent of aluminum chloride and a small amount of a hydro-halogen acid and maintaining the temperature elevated.

2,200,915
COMBUSTION AIR REGULATING MEANS FOR FIREBOXES
Verdrie F. Clark, New Albany, Ind., assignor to Peerless Manufacturing Corporation, Louisville, Ky., a corporation of Kentucky
Application March 29, 1938, Serial No. 198,750
2 Claims. (Cl. 137—152)



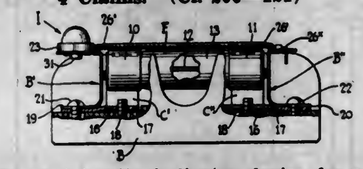
2. Air flow control means comprising a duct, a damper within said duct having a horizontal pivot disposed transversely relative to the duct adjacent to the top thereof, said damper having portions extending to opposite sides of said pivot, one portion to close the space between said pivot and the bottom of the duct and the other portion to close the space between said pivot and the top of the duct when the damper is closed, means tending constantly to swing said damper to an open position in which it extends substantially longitudinally relative to the duct near the top wall thereof, the free end portion of said first mentioned portion of said damper being formed to extend downwardly when the damper is in its open position extending substantially longitudinally relative to the duct so as to be acted upon by air flowing through the duct in excess of a predetermined velocity to initiate closing movement of the damper.

2,200,916
PNEUMATIC SAFETY TIRE
Joseph P. Crowley, Toledo, Ohio
Application November 22, 1938, Serial No. 241,836
2 Claims. (Cl. 152—342)



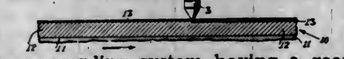
1. A pneumatic safety tire comprising a pair of interjoined distensible toroid members, one of said members having pneumatically impenetrable tread and side walls and a felloe-engaging wall joining said side walls; a clincher bead formed at the line of jointure of said side and felloe-engaging walls; the other of said toroid members having a felloe-approximating wall and an integral flange extension formed on either side of said felloe-approximating wall; each flange extension extending into and forming an embedded core part of one of said clincher beads to locate the felloe-approximating wall of said other toroid member in registration with the interior of said felloe-engaging wall of said first toroid member; a valve orifice extending through a wall of said first and second toroid members, providing communication between the exterior of the first toroid member and the interior of said second toroid member; and an orifice formed in the wall of said second toroid member, providing free communication between the interiors of said second and first toroid members.

2,200,917
INDICATOR
Lyman E. Dodge, Morris Township, Morris County, N. J., assignor to Frank C. La Mar, Tucson, Ariz.
Application June 27, 1936, Serial No. 87,643
4 Claims. (Cl. 200—121)



1. In an integrity indicator device for a cartridge fuse, the combination, with a cartridge fuse element and a support therefor having terminals by which said fuse may be included in the electrical circuit to be protected, of an integrity indicator element including an indicating means and means to support said indicating means fully exposed at or above the level of the cartridge fuse, in attention-arresting position and in electrical connection with said terminals, thereby to include said indicator means in a shunt with said fuse in the working circuit, said device being characterized by having said fuse cartridge element removable while said indicating means remains in place and further characterized by having said integrity indicator element supported by a support having a pair of bracket connectors one at each end of said cartridge fuse element and including binding screws, and each having a foot with an open slot by which said foot can be fitted to one of the binding screw terminals on said support, one of said brackets having a bracket part with a keyhole slot formation to cooperate with a complemental stud-terminal provided on said integrity indicator means.

2,200,918
APPARATUS FOR SOUND RECORDATION
Orville M. Dunning, Glen Ridge, and Charles T. Jacobs, New Providence Township, Union County, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application January 27, 1937, Serial No. 122,536
2 Claims. (Cl. 274—41)

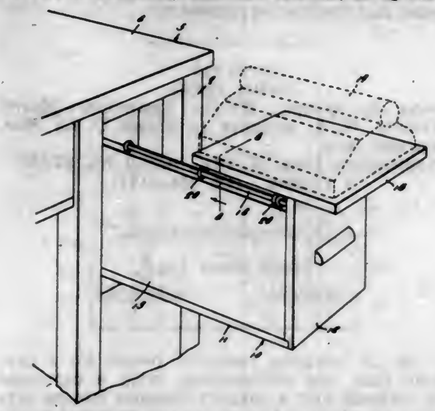


1. In a recording system having a recording tool and means for effecting a bias of the same against a record: the combination of sound-responsive means for modulating said bias; and a record for traversal by said tool, comprising a thin skin of chlorinated rubber and therebeneath a substantially inert, yieldable body material.

2,200,919
TYPEWRITER DESK MOUNT
William M. Fritch, Jasper, Ind.
Application April 28, 1939, Serial No. 270,637
2 Claims. (Cl. 312—22)

1. In combination with a desk, a drawer having a front wall and one side wall, a guide rod on the side wall, a typewriter supporting platform, means slidably connecting the platform and the

guide rod, said platform being adapted to be swung downwardly into the drawer, or upwardly



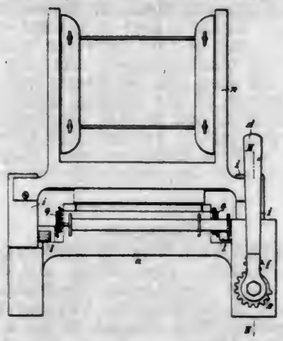
and slid outwardly to partly rest on the front wall of the drawer.

2,200,920

PLATEN PRINTING MACHINE

Ludwig Gerard, Mannheim-Feudenheim, Germany

Application March 21, 1939, Serial No. 263,244
In Germany April 19, 1938
4 Claims. (Cl. 101—273)



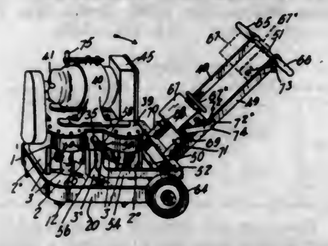
1. A platen printing machine comprising in combination a printing bed, printing forms with raised embossed text removably insertable in said bed, an ink cloth stretched on said bed over said forms, a carriage reciprocable in the longitudinal direction of said bed, a paper magazine mounted on said carriage and adapted to feed a sheet of paper on to said ink cloth at each reciprocation of said carriage, a pressure roller journalled on said carriage and adapted to press the fed sheet of paper against said ink cloth and consequently against said forms to print the text on the sheet of paper, a double track formed under said printing bed and comprising a rocker track in the form of a lever with two unequal arms and having a gradually ascending curve merging into a suddenly descending curve, a pivot pin supporting said lever just after the beginning of said descending curve, and a horizontal track extending under said rocker track, rollers supporting said carriage on said rocker track during the outward movement of said carriage and on said horizontal track during the return movement of the carriage.

2,200,921

GRINDING MACHINE FOR PLASTIC FLOORING

George Peter Granell, Toronto, Ontario, Canada

Application April 24, 1939, Serial No. 269,565
3 Claims. (Cl. 51—177)



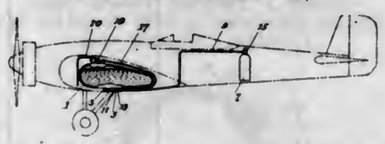
1. A grinding machine for plastic flooring comprising a grinder body, grinder units mounted in the body to rotate beneath the same, means carried by the body for rotating the units, a lever frame, carrier wheels upon which the frame is fulcrumed, arms extending inward from the fulcrum point and at each side of the grinder, a weight adjustable longitudinally of the frame for counterbalancing the grinder body and means for automatically locking the counterbalancing weight when adjusted to the outer end of the frame.

2,200,922

FUEL TANK DUMP VALVE

Henry Ernest Heigis, West Orange, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey

Original application April 15, 1936, Serial No. 74,452. Divided and this application April 29, 1937, Serial No. 139,710
15 Claims. (Cl. 137—21)



1. In a discharge system, a storage tank for containing a liquid, a source of fluid under pressure, means to prevent discharge of the liquid, means to permit the fluid under pressure to act on the last named means to render the same ineffective, means to prevent escape of the fluid under pressure through the ineffective discharge preventing means, means to permit controlled escape of the fluid under pressure to the tank after operation of the discharge preventing means, and means normally permitting discharge of liquid from the tank when said liquid is above a given pressure and adapted to prevent escape of any medium in the tank below said given pressure.

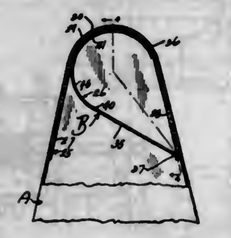
2,200,923

CLOSURE CONSTRUCTION FOR COLLAPSIBLE TUBES

Horace S. Hoggatt, Richmond, Ind.

Application September 2, 1939, Serial No. 293,272
8 Claims. (Cl. 221—60)

1. In a receptacle for receiving fluid materials the combination of a container portion, and a closure portion, said closure portion including yieldable spring parts each having dispensing openings therein, said spring parts inherently positioning themselves to maintain the dispensing openings out of alignment and being positioned so that upon pressure they may be distorted to



move the openings into alignment for dispensing materials from the receptacle.

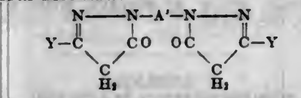
2,200,924

BIS-PYRAZOLONYL COLOR FORMER

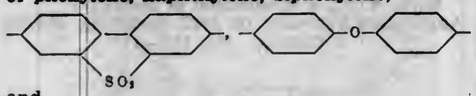
Andrew B. Jennings, New Brunswick, and Edmund B. Middleton, Metuchen, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 24, 1938, Serial No. 215,703
10 Claims. (Cl. 95—6)

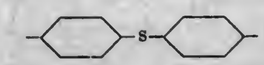
1. A photographic element bearing color-forming photographic emulsion layer comprising a binding agent, a silver halide and a compound of the general formula:



wherein Y is a hydrocarbon radical and A' is a bivalent radical taken from the class consisting of phenylene, naphthylene, biphenylene,



and

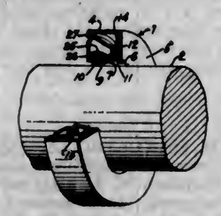


2,200,925

FLUID SEAL

Lloyd A. Johnson, Hillsborough, and Allison Donham Owen, Berkeley, Calif., assignors to National Oil Seal Co., Oakland, Calif., a corporation of Nevada

Application March 6, 1939, Serial No. 259,992
3 Claims. (Cl. 288—3)



1. A unitary fluid seal adapted to seal the space between two relatively moving cylindrical surfaces, comprising an outer cage member having an axial flange spaced from and adjacent to the movable surface being sealed, and a radial wall portion supporting said flange, another cage member having an axial flange concentric with and spaced from the aforesaid axial flange to form therewith a pair of clamping jaws, and a plurality of axially extending fingers projecting beyond the face of the rim of said last-named axial flange, and a flexible sealing member having an axial sealing lip portion to contact the movable surface being sealed, an axial portion spaced radially from the aforesaid axial portion, and clamped in the aforementioned jaws, a flexible portion connecting said axial portions, and a radial positioning flange portion formed on the inner edge of said clamped axial portion and extending radially in the space provided by said fingers between said rim and said radial wall portion of said cage members.

2,200,926

DIAZO DERIVATIVES OF CYCLIC GUANIDYL SULPHONIC ACIDS

Hans Z. Lecher, Plainfield, Frederic H. Adams, Somerville, and Henry Philip Orem, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 23, 1939, Serial No. 310,821
10 Claims. (Cl. 260—140)

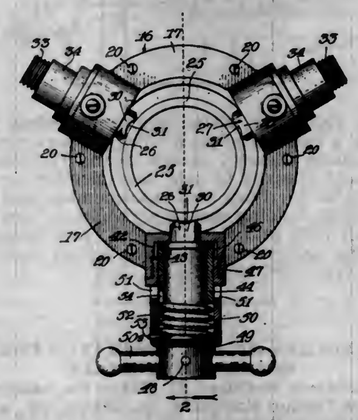
1. Stabilized diazo compounds having the following general formula: $X-(N=N-G)_n$ in which X is a radical of a polynuclear ice color diazo component, G is a radical included in the group consisting of cyclic guanidyl sulphonic acid radicals free from carboxylic groups and free from azoic coupling groups, and their alkali metal and ammonium salts, and n is a whole number included in the group consisting of 1 and 2.

2,200,927

WORK HOLDER

Tideman M. Lilleberg, Chicago, Ill., assignor to The Nye Tool & Machine Works, a corporation of Illinois

Application March 9, 1939, Serial No. 260,846
17 Claims. (Cl. 10—107)



1. A work holder having a plurality of work-engaging jaws, and means having a single actuating device operating when actuated to move all of said jaws and comprising yieldable means by which certain only of said jaws are operated inwardly, whereby when said device is actuated

all of said jaws move inwardly until resisted by the work, whereupon said yieldable means yield and a predetermined one of the jaws continues its inward movement.

2,200,928

METHOD OF PRODUCING ELEMENTAL SULPHUR BY REACTION BETWEEN SULPHURETED HYDROGEN AND SULPHUR DIOXIDE

Axel Rudolf Lindblad, Stockholm, and Fritz Olov Herneryd, Skelleftehamn, Sweden, assignors to Imperial Chemical Industries Limited, London, England, a limited joint-stock company of Great Britain, and Boliden Gruvaktiebolag, Stockholm, Sweden, a limited joint-stock company of Sweden

No Drawing. Application December 15, 1938, Serial No. 245,986. In Sweden November 26, 1937

2 Claims. (Cl. 23—225)

1. The process of producing elemental sulphur by contacting a mixture of hydrogen sulphide and sulphur dioxide with a catalyst comprising a substance which has the power to absorb water selected from the group consisting of Portland cement, smeltcement and gypsum, and a material from the group consisting of pyrites and pyrites concentrate.

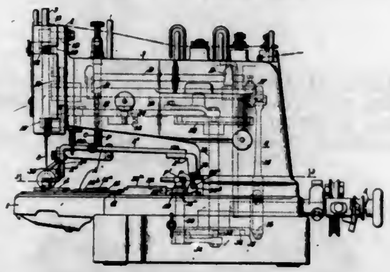
2,200,929

UNIVERSAL BUTTON SEWING MACHINE

Michael McCann, Ozone Park, N. Y., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application October 13, 1936, Serial No. 105,354

9 Claims. (Cl. 112—114)



1. A clamp for button-sewing machines comprising a base-member; a work-support removably secured thereto; clamp means for securing said work-support to said base-member; a button-holder overlying said base-member and having button-holding means arranged in operative relation with said work-support; and means for releasing said clamp means to permit ready removal of said work-holder.

2,200,930

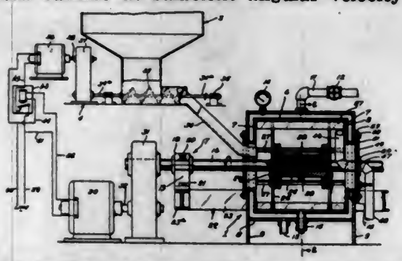
PROCESS OF AND APPARATUS FOR HEATING MATERIALS

Bert Harrison McQueer, St. Marys, Pa., assignor to Speer Carbon Company, St. Marys, Pa., a corporation of Pennsylvania

Application May 15, 1937, Serial No. 142,935

14 Claims. (Cl. 126—343.5)

1. In a method of heating to free fluidity a material having a highly viscous fluid phase at certain temperatures, the step which comprises rotating a mass of such material within and relatively to a cylindrical, surrounding and confining heated surface at sufficient angular velocity to



maintain the material in the form of a hollow circular shell in contact with said heated surface.

2,200,931

FABRIC WRINKLEPROOFING AND WATERPROOFING COMPOSITION

Perry M. Moore, Bloomfield, N. J.

No Drawing. Application April 13, 1937, Serial No. 136,526

11 Claims. (Cl. 260—29)

1. A resin composition suitable for making fabrics crease-resistant consisting essentially of an aqueous solution of mono-methylolurea made alkaline with an organic alkaline reacting amine compound condensed to the water-soluble stage and stabilized against condensation to the insoluble stage while in storage with a paraffin wax water emulsion.

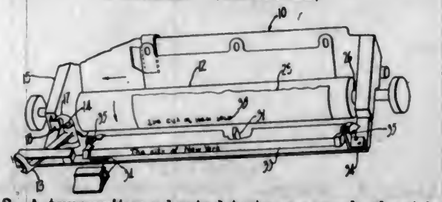
2,200,932

TYPEWRITING MACHINE

Samuel A. Neidich, Ventnor City, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application February 10, 1937, Serial No. 124,980

2 Claims. (Cl. 197—1)



2. A typewriter adapted to type a work-sheet in the form of a reduplicative negative, said typewriter having, in combination, typing elements having invert type-characters, means to letter-feed said work-sheet relative to said types whereby invert characters will be typed at letter-space intervals from left to right on said work-sheet, and means to line-space said sheet in the direction in which the inverted bottom portions of the characters typed will be trailing the top portions.

2,200,933

STRAND HANDLING APPARATUS

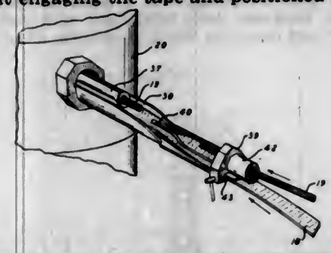
Axel C. Nystrom, Rutherford, and Lester O. Reichelt, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 1, 1937, Serial No. 161,976

4 Claims. (Cl. 173—244)

1. In a strand handling apparatus, a tube to guide longitudinal advancement of a core strand, a guide having a straight tape control slot to

center a tape with respect to the tube prior to the bending of the tape longitudinally of itself about the tube, a support for the tape leaving the guide having a flat portion adjacent the guide merging into a curved portion spaced from the guide, an element engaging the tape and positioned to press



the central part of the tape into engagement with the support adjacent the curved portion thereof, and means to complete the bending of each portion of the tape about the tube prior to the passage of the corresponding portions of the core strand from the tube and continue the bending of the tape about the core strand.

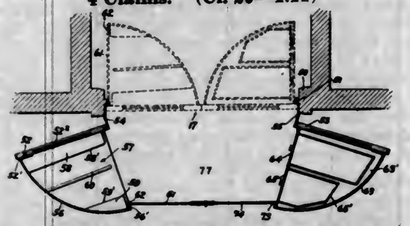
2,200,934

SPACE GAINING STRUCTURE FOR BUILDING CONSTRUCTIONS

Frederick P. Platt and Le Roy Soher, New York, N. Y.

Application July 28, 1938, Serial No. 221,660

4 Claims. (Cl. 20—1.11)



1. In building construction, the combination of a fixed door frame defining an entrance to an enclosed space, a main door hingedly mounted upon one lateral jamb of, and adapted when in closed position to fit within, said frame, wall members secured to said main door and defining an enclosed storage compartment having a portion extending out of the plane of said door into said enclosed space when said door is seated in the frame, said storage compartment being adapted to pass through the door frame as said door is opened and having an access opening in a face thereof other than the face which is most remote from the hinge mounting of the main door, a supplementary door hingedly mounted at one of its edges upon a portion of the storage compartment which is remote from the hinge mounting of the main door and serving normally to close said access opening, and means to which an opposite edge of said supplementary door may be latched adapted to cooperate with said supplementary door to prevent access to said storage compartment when the main door is open.

2,200,935

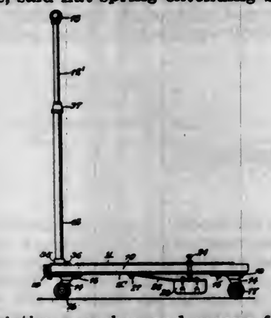
SCOOTER BRAKE

Joseph M. Rodriguez, Brooklyn, N. Y.

Application April 25, 1939, Serial No. 269,832

4 Claims. (Cl. 188—20)

1. In a scooter, a foot board having a bore extending therethrough near one end, a tubular member extending through said bore, means at each end of said tubular member for clamping the same in position, a rod slidingly fitted into said tubular member and extending thereabeyond at each end, a flat spring secured at one end to said foot board at a point spaced from said bore, said flat spring extending beneath said



rod, a friction member and means for clamping said friction member to said flat spring at a point substantially in line with said rod, whereby when said rod is forced downwardly it will swing one end of said flat spring downwardly and cause said friction member to function, said spring acting to raise said rod and friction member when the rod is released.

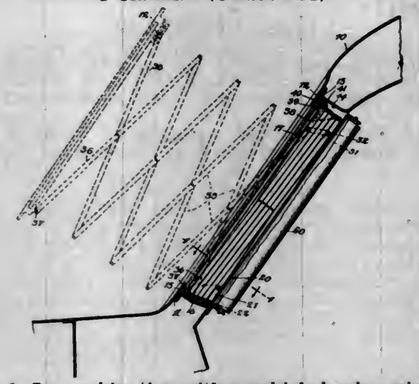
2,200,936

SAFETY WINDSHIELD

Carl E. Ruesch, Sayreville, N. J.

Application September 6, 1939, Serial No. 293,594

4 Claims. (Cl. 296—84)



1. In combination with a vehicle having windshield posts, a windshield, lazy tongs connecting said windshield with said windshield posts and adapted to fold within said posts, and means for holding said windshield yieldingly in normal position and to allow it to be moved out of said normal position on said lazy tongs.

2,200,937

PRINTING PRESS SHEET DELIVERY APPARATUS

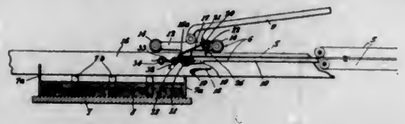
Harry E. Stolper, Brooklyn, N. Y., assignor to Mail & Express Printing Co., Inc., New York, N. Y., a corporation of New York

Application May 6, 1939, Serial No. 272,094

9 Claims. (Cl. 271—84)

1. In apparatus of the kind described, in com-

bination with a reciprocating carriage for delivering a single printed sheet to a position over a pile location and there freeing said sheet during a retraction stroke of the carriage, means for delivering an air-blast against said sheet downwardly thereon following its complete release from the carriage; means for moving the means first-mentioned in a direction of carriage reciprocation; a second means for delivering an air-blast downwardly against said sheet; and a means



for moving said second means in timed relation with the reciprocation of the carriage, said second means being placed to have its air-blast act downwardly on a previously freed sheet during transport of a subsequent sheet by the carriage on a forward stroke of the latter and to have its air-blast act downwardly on said subsequent sheet during freeing thereof from the carriage incidental to the ensuing retraction stroke of the carriage.

2,200,938

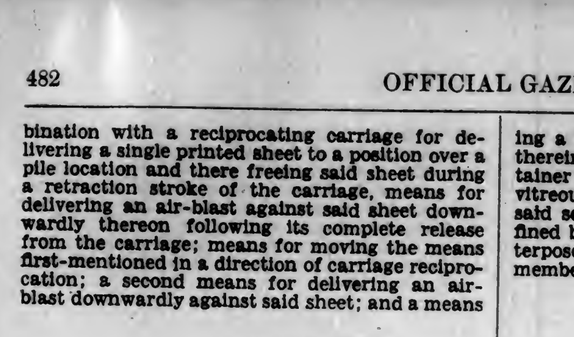
DYESTUFFS OF THE TRIARYLMETHANE SERIES

Ernst Teupel, Schkopau, and Ottmar Wahl, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application January 25, 1938, Serial No. 186,817. In Germany November 22, 1934

1 Claim. (Cl. 260—392)

The dyestuff corresponding in the carbinol form in the free state to the following formula:



dyeing wool and silk clear blue shades, the dyeings on silk being dischargeable to a pure white.

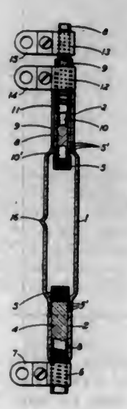
2,200,939

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Georg Trebbin, Berlin-Spandau, Willy Ledig, Berlin-Lichtenrade, and Hans-Joachim Helwig, Berlin-Schoneberg, Germany, assignors to General Electric Company, a corporation of New York

Application August 12, 1938, Serial No. 224,614
In Germany August 14, 1937
5 Claims. (Cl. 176—126)

1. A gaseous electric discharge device comprising a vitreous container, solid electrodes sealed therein, a gaseous atmosphere therein, said container having a tubular extension thereon, a vitreous seal member in said tubular extension, said seal member projecting into the space defined by said container and a layer of metal interposed between said extension and said seal member and covering the end portion of said seal



member projecting into said container, said extension, said seal member and said metal layer being fused together to form an hermetic joint, the part of said layer in the space defined by said container being an auxiliary electrode to facilitate the starting of the main arc discharge in said device, the part of said layer interposed between said extension and said seal member being a current lead for said auxiliary electrode.

2,200,940

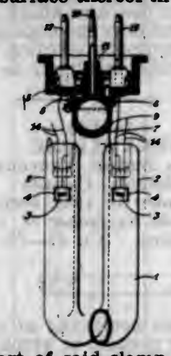
GASEOUS ELECTRIC DISCHARGE DEVICE

Willem Uyterhoeven, Cornelis Verburg, Pieter Schouwstra, and Johannes P. M. Mutsaers, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York

Application April 18, 1935, Serial No. 17,082
In the Netherlands April 19, 1934
3 Claims. (Cl. 176—122)

3. A lamp unit comprising in combination a gaseous electric discharge lamp device and a base therefor, and a clamp of electrically conducting material, said lamp comprising an elongated, curved container, said base being removably fastened to said container between the ends of said container by said clamp, said clamp being

an auxiliary electrode to facilitate the starting of said lamp, said container having a metal coating on the outer surface thereof in contact with the



immovable part of said clamp, the ends of said container being free to move with respect to the other element of said lamp unit.

2,200,941

PROCESS FOR PRODUCING SODIUM ACETYLIDE

Richard Rockhill Vogt, South Bend, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 19, 1938, Serial No. 241,377
10 Claims. (Cl. 260—665)

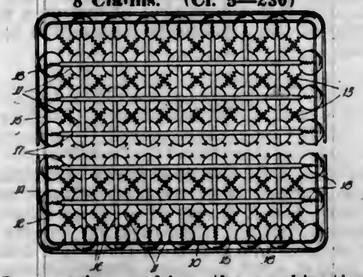
1. The process for producing sodium acetylide which comprises adding sodium to a liquid ammonia solution of acetylene at such a rate that during a major portion of the reaction no substantial dissolved excess of sodium is present.

2,200,942

SPRING CUSHION

Arthur Wesley, Chicago, and Lawrence J. Sieger, Cicero, Ill., assignors to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware

Application November 25, 1938, Serial No. 242,343
8 Claims. (Cl. 5—230)



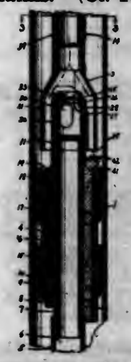
1. In a spring cushion, the combination of a group of spiral-springs with their top ends in substantially the same plane, means securing said spiral-springs together, each of the marginal spiral-springs at its top having the end of the wire forming its terminal-convolution connected to the portion of the wire next adjacent to it, said connections of the marginal spiral-springs of the cushion being in substantial alignment for each side and each end of the cushion, and a border-wire extended around the cushion below said terminal-convolutions of said marginal spiral-springs and above said next adjacent portions of the wires and just outside said connections.

2,200,943

WELL PUMPING DEVICE

Robert Alexander Wilson and Roy Alvah Smith, Dallas, Tex., assignors to Kibele Manufacturing Company, Dallas, Tex., a corporation of Texas

Application November 24, 1936, Serial No. 112,444
8 Claims. (Cl. 103—5)



1. In a well pump in combination a well casing, a tubing therein, a centrifugal pump secured to the lower end of said tubing, a packer between said casing and tubing above said pumping mechanism, a barrier in the bore of said tubing above said packer, said tubing having passageways from the bore below and above said barrier outwardly into the well casing whereby fluid from said pumping mechanism is delivered into the casing above the packer and a pumping fluid introduced into the tubing above said barrier lifts the pumped fluid upwardly from the packer.

2,200,944

TEXTILE FINISHING PROCESS

Frederick Charles Wood, Manchester, England, assignor to Tootal Broadhurst Lee Company Limited, Manchester, England, a British company

No Drawing. Application August 13, 1938, Serial No. 224,825. In Great Britain August 27, 1937
2 Claims. (Cl. 8—116)

1. The process of finishing linen materials which includes the steps of treating the material with a quaternary ammonium salt containing a group of at least ten carbon atoms and capable of producing water-repellency, heating the impregnated material to produce a water-repellent effect and then swelling the water-repellent material with an alkaline swelling agent to improve its wear-resistance.

2,200,945

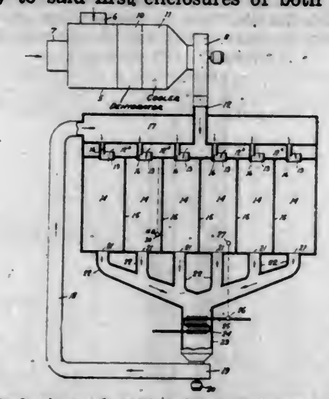
AIR CONDITIONING METHOD AND APPARATUS

Carlyle M. Ashley, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Application April 6, 1938, Serial No. 200,496
6 Claims. (Cl. 236—44)

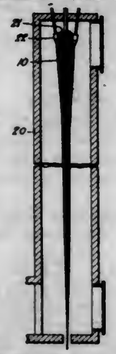
2. In an apparatus of the character described, a plurality of first enclosures to be conditioned, means for dehydrating a first volume of air, means for supplying said dehydrated air to said first enclosures, means for withdrawing from said enclosures air which has circulated therein, means for reducing the dry bulb temperature of said withdrawn air by abstraction of sensible heat only therefrom, means for supplying said

cooled withdrawn air to a second enclosure to be conditioned, and means for supplying air from said second enclosure to said first enclosures, the supply to said first enclosures of both said de-



hydrated air and said cold withdrawn air serving to provide for the maintenance of desired atmospheric conditions within said first enclosures.

2,200,946
FABRIC-MAKING MATERIAL
Godfrey Bloch, New York, N. Y.
Application September 16, 1937, Serial No. 164,108
11 Claims. (Cl. 18—54)



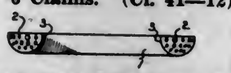
6. Artificial filamentary staple which is crimped and which has spaced protrusions eccentric to the filament body axis, each protrusion being formed of solidified film-forming fluid, wherein the protrusions are formed of material additional to the body of the filament.

2,200,947
ELECTRODE HOLDER
Philip Bourque, Detroit, Mich.
Application June 20, 1938, Serial No. 214,739
11 Claims. (Cl. 219—8)



1. In an electrode holder of the class described; a pair of registering jaws adapted for being sprung apart; a rockable member extending between said jaws and adapted upon rocking movement for springing the same apart; and a spring engaging one of said jaws and engaging said rockable member for normally resisting movement of said rockable member relatively to said jaw.

2,200,948
WREATH BASE
Hubert Griffiths Bufton, Vancouver, British Columbia, Canada
Application November 18, 1938, Serial No. 241,244
In Canada November 20, 1937
6 Claims. (Cl. 41—12)



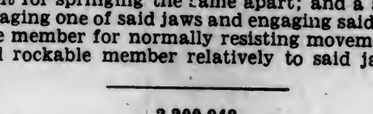
4. A wreath base consisting af a paper pulp structure having a channel in which flower stems are adapted to be carried, said structure having a plurality of weakened zones through which flower fastening means are adapted to be thrust, said weakened zones having one face indented below the face of the channel.

2,200,949
MONAZO INTERMEDIATES
Miles Augustinus Dahlen and Frithjof Zwilgmeyer, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1939, Serial No. 254,164
5 Claims. (Cl. 260—198)

1. A compound represented by the formula



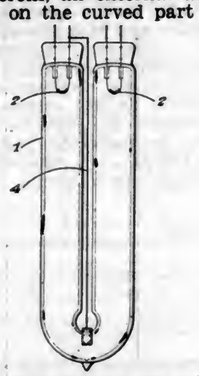
in which one Z is amino and the other is hydrogen; one Z_1 is hydroxy and the others are hydrogen; and R is the radical of one of a group consisting of the arylamines represented by the formulae



wherein each Y is one of a group consisting of hydrogen, methyl, ethyl, methoxy, ethoxy, chloro and nitro; each X is one of a group consisting of hydrogen, methyl, ethyl, methoxy, ethoxy and chloro; at least one B is from the group consisting of methyl, ethyl, methoxy, ethoxy, chloro and nitro; and the other B's are from the group consisting of hydrogen, methyl, ethyl, methoxy, ethoxy, chloro and nitro.

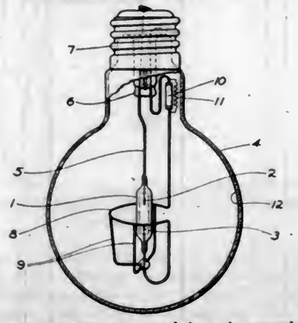
2,200,950
GASEOUS ELECTRIC DISCHARGE DEVICE
Eduard G. Dorgelo, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application April 30, 1935, Serial No. 19,086
In Germany May 3, 1934
2 Claims. (Cl. 176—122)

2. An electric discharge device comprising a U-shaped container, electrodes and electrode leads sealed therein at the ends thereof, a gaseous atmosphere therein, an external auxiliary electrode mounted on the curved part of said con-



tainer, a layer of insulating material interposed between said auxiliary electrode and said container and a current lead connecting said auxiliary electrode to one of said electrode leads.

2,200,951
ARTIFICIAL ILLUMINATION
Willem Elenbaas, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application November 13, 1937, Serial No. 174,456
In Germany November 20, 1936
2 Claims. (Cl. 176—1)

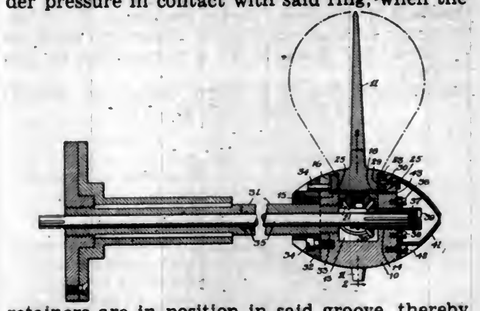


1. An electric lamp comprising, in combination, an electric gaseous discharge device which emits ultraviolet and visible radiations when a discharge is passed therethrough, a filament which is adapted to be operated at incandescence to supplement the light from said discharge device, and a luminescent bulb which encloses both said discharge device and said filament, said luminescent bulb having a response to the ultraviolet radiations which is increased by the effect of infra-red rays from said filament.

2,200,952
VARIABLE PITCH PROPELLER
Stephen A. Farrell, Brooklyn, N. Y.
Application May 28, 1938, Serial No. 210,644
2 Claims. (Cl. 170—173)

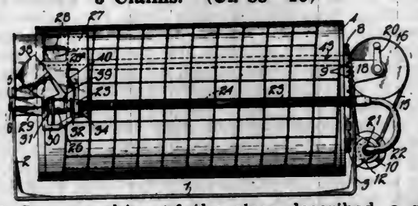
2. A variable pitch propeller including a hub, blades, each blade having a cylindrical root end and swivelly fitting in a socket in the hub, a flange on said root end, a ring of packing surrounding the root end of each blade in contact with said flange, a collar surrounding said root end and removably and adjustably attached to said hub, said root end having an annular groove

therein, retainers adapted to hold the collar under pressure in contact with said ring, when the



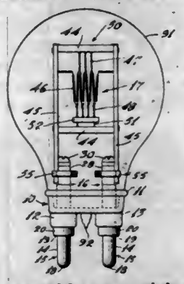
retainers are in position in said groove, thereby making an inside fluid-tight joint.

2,200,953
MOTION PICTURE APPARATUS
Max Fleischer, New York, and John E. Burks, Great Neck, N. Y.; said Burks assignor to said Fleischer
Application April 5, 1937, Serial No. 134,988
3 Claims. (Cl. 88—16)



1. In a machine of the class described, a rotatable drum adapted to support a plurality of pictures arranged in a spiral about the face of said drum, a threaded shaft disposed parallel to the axis of said drum, an aperture plate mounted on said shaft with an edge of said aperture plate resiliently held in engagement with the thread of said shaft, and means for intermittently rotating said drum and rotating said threaded shaft.

2,200,954
ELECTRIC DEVICE
Jacob Glassberg, Hillside, N. J., assignor, by mesne assignments, to Radiant Lamp Corporation, a corporation of New Jersey
Application January 10, 1939, Serial No. 250,154
22 Claims. (Cl. 176—38)

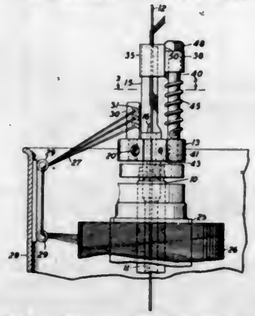


1. A unitary assembly comprising an insulating base having a plurality of openings therein, contact terminals secured to said base at portions thereof adjacent said openings and extending outwardly therefrom and supports independent of said terminals secured to said base at portions thereof adjacent said openings and extending away from said terminals.

2,200,955
CORE COVERING APPARATUS

Herbert S. Keating, North Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 8, 1939, Serial No. 260,527
9 Claims. (Cl. 57—17)



1. A core covering apparatus comprising a guide movable in a fixed path about a longitudinally advancing core having a fibre covering, a polishing element movable with the guide and cooperating therewith to compress the fibre covering, means to support the element for movement relative to the guide, a stop member movable to vary the movement of the element toward the guide, and means tending to hold the element in engagement with the stop member to cause application of pressure to the covered core varying with variations in the thickness of the covering to cause the compressed covering to be uniform in diameter.

2,200,956
ICE CREAM CONE AND PROCESS OF MAKING

George Winter Kennedy, Philadelphia, Pa.

Application March 14, 1939, Serial No. 261,697
2 Claims. (Cl. 99—89)

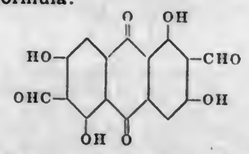
1. A chocolate candy ice cream cone comprising a cone structure made from a pliable and workable candy composition, said cone structure having a seam consisting of overlapping edges pressed together to fuse the candy composition of said overlapping edges and establish a joinder therebetween.

2,200,957
ANTHRACHRYSONE - 2,6 - DIALDEHYDE AND A PROCESS OF PREPARING THE SAME

Georg Kränzlein and Fritz Roemer, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application October 14, 1939, Serial No. 299,576. In Germany May 17, 1938
2 Claims. (Cl. 260—376)

2. The anthrachrysone-2,6-dialdehyde of the following formula:



being a yellow powder and forming, when recrystallized from nitrobenzene, yellow-brown leaflets which melt above 360° C.

2,200,958
GLASS FOR GASEOUS ELECTRIC DISCHARGE DEVICES

Hermann Krefft, Berlin-Friedrichshagen, Kurt Larché, Berlin, and Max Thomas, Weisswasser, Oberlausitz, Germany, assignors to General Electric Company, a corporation of New York

No Drawing. Original application December 10, 1935, Serial No. 53,794. Divided and this application October 28, 1938, Serial No. 237,520. In Germany December 12, 1934
1 Claim. (Cl. 106—36.1)

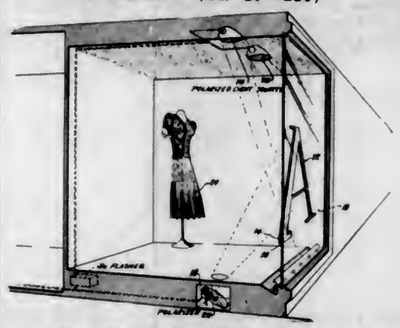
A glass having the following composition:

	Per cent
Silica (SiO_2)	50
Boric oxide (B_2O_3)	1
Alumina (Al_2O_3)	25
Magnesium oxide (MgO)	8
Calcium oxide (CaO)	6
Barium oxide (BaO)	5
Phosphorous pentoxide (P_2O_5)	5

2,200,959
DISPLAY DEVICE EMPLOYING POLARIZED LIGHT

Edwin H. Land, Wellesley Farms, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware

Application June 1, 1938, Serial No. 211,180
10 Claims. (Cl. 40—130)



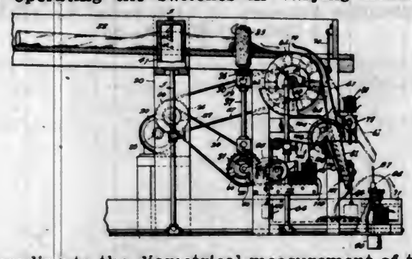
1. In combination, a light source, means associated with said source to polarize light emanating therefrom, transparent means positioned in the path of light emanating from said source and illuminated thereby providing birefringent means and further light-polarizing means positioned with its polarizing axis at a predetermined angle to a principal optical direction of said birefringent means, said birefringent means being positioned between said two polarizing means, a second light source, and an object illuminated by said source, said source and said object being positioned on the same side of said transparent means as said first-mentioned light source, said object being visible through said transparent means by an observer positioned on the other side thereof.

2,200,960
DISTRIBUTING APPARATUS FOR INTESTINES

Frank G. Leavenworth, Oak Park, Ill., assignor, by mesne assignments, to Packers Machinery Company, Chicago, Ill., a corporation

Application November 21, 1934, Serial No. 754,190
16 Claims. (Cl. 209—82)

15. In apparatus of the character described, the combination of a trough provided with means for flattening a distended intestine, means for positively advancing the intestine through the trough, a series of electrical switches, and means for operating the switches in varying number

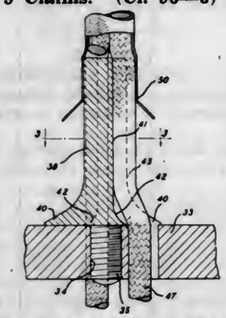


according to the diametrical measurement of the intestine where the intestine is flattened in the trough.

2,200,961
METHOD OF AND APPARATUS FOR ASSEMBLING STRANDS

Victor S. Martin, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 3, 1938, Serial No. 228,350
5 Claims. (Cl. 96—3)

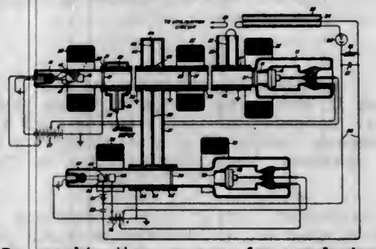


1. In a strand assembling apparatus, means for forming a covering on a plurality of strands, and means for loosening the covering on the strands comprising a pin extending between strands at the point where the covering is being formed, said pin having grooves for receiving and retaining the strands in a predetermined spaced relationship while said covering is applied, whereby the covering is loosened when the pin is withdrawn.

2,200,962
ULTRA SHORT WAVE DEVICE

Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 31, 1938, Serial No. 248,771
6 Claims. (Cl. 250—27)

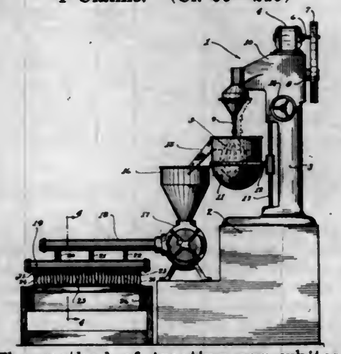


1. In combination, means for producing an electron beam, means for modulating the beam at high frequency, resonant circuit means coupled to the modulated beam independently of the said modulating means and adapted to react with the beam so as variably to affect its modulation in accordance with the condition of resonance of the circuit means, and means for varying the condition of resonance of the said circuit means in response to the occurrence of undesired changes in a characteristic of the modulated beam, thereby automatically to suppress or offset such changes.

2,200,963
TREATMENT OF EGG WHITES

Leon D. Mink, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application August 22, 1935, Serial No. 37,375
4 Claims. (Cl. 99—210)



1. The method of treating egg whites which comprises whipping the egg whites to a foam and thereafter drying the egg whites in strands of foam.

2,200,964
SKI PASSENGER CARRIAGE AND INCLINED SERVICING WAY FOR THE SAME

George W. Morton, Bartlett, N. H.

Application September 9, 1938, Serial No. 229,107
4 Claims. (Cl. 104—173)



1. A ski passenger carriage comprising a wheeled seat-supporting platform, a running board at one side of said platform extending from end to end of the carriage past the wheels thereof, guards enclosing the wheels above said running board, said platform being stepped downwardly between the adjacent ends of said wheel guards at the running board side of the carriage to substantially the level of the running board, and a passenger seat supported on said platform at the side thereof remote from said downwardly-stepped portion of the platform and disposed at an angle to said running board, said downwardly-stepped portion of the platform providing a recess extending inwardly of the running board below the top surface of the platform and said

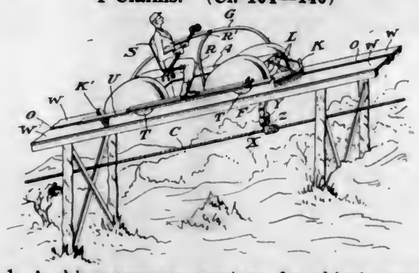
recess being bounded by the adjacent side wall of the platform and the adjacent portions of the inner surfaces of the wheel guards and constituting an inward continuation of the running board within which a portion at least of the passenger's legs are accommodated when the passenger is seated on said seat while his feet with attached skis rest on the running board parallel to and extending longitudinally thereof.

2,200,965

PASSENGER CARRIAGE FOR SKI OR LIKE ELEVATED WAYS

George W. Morton, Bartlett, N. H.

Application March 23, 1939, Serial No. 263,758
4 Claims. (Cl. 104—140)



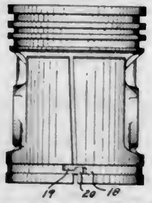
1. A ski passenger carriage for skier's service on upgrade approaches to an elevated take-off along a cabled inclined way, said way having a central slot and having an endless cable disposed to run below the plane of said slot, said carriage including a platform support, a wheel axle vertically pivoted beneath each end of said support, a depending towing arm dirigibly connected to the front axle of said carriage and disposable through the slot of said inclined cable way below the plane of the wheel axles and clamped to the cable, a forwardly projecting vertical guide on said depending towing arm and supported for free guidance in said slot in advance of the towing cable connection, said axles being connected across so that the wheels at front and rear turn at predetermined angles.

2,200,966

PISTON

Adolph L. Nelson, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan

Original application June 2, 1934, Serial No. 728,663. Divided and this application March 24, 1937, Serial No. 132,681
2 Claims. (Cl. 309—13)



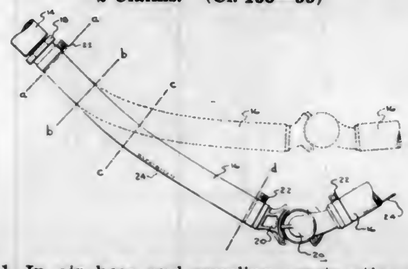
1. A piston comprising a head, a skirt with a slot extending vertically therein and forming two separated wings, a hook member formed on each of said wings, said hook members being interengaged to prevent spreading of the slot when a lathe center is placed within the open end of the piston, the skirt being provided with clearance which permits closing in of the slot when pressure is created between the skirt and the cylinder in which the piston is operated.

2,200,967

HOSE CONSTRUCTION

John H. Phillips, Jackson, Mich.

Application February 10, 1938, Serial No. 189,831
2 Claims. (Cl. 138—55)



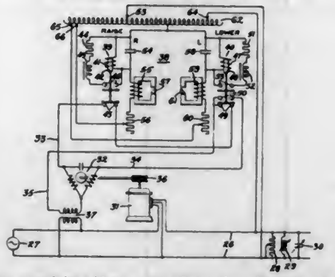
1. In air hose and coupling construction for railroad cars of the type which, when in coupled relation, loosely hang in an arc between adjacent coupled cars, hose sections of flexible extensible material each having a relatively narrow non-extensible reinforcing member embedded in the wall thereof adjacent the exterior surface of each hose section, said members being along the side of greatest arc and being under tension with the hose hung at an arc as in use.

2,200,968

ELECTRIC CIRCUIT CONTROL MEANS

Lewis R. Runaldue, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application April 13, 1938, Serial No. 201,799
10 Claims. (Cl. 175—320)



1. In combination, an electric circuit, a branch circuit including an electroresponsive device connected to be energized from said circuit and normally having different impedance values for different operating conditions of said electroresponsive device, and means operative in accordance with an operating condition of said electroresponsive device for varying the impedance of said branch circuit for maintaining the impedance of said branch circuit substantially constant for different predetermined operating conditions of said electroresponsive device.

2,200,969

LAMINATED SAFETY GLASS

Joseph D. Ryan and James D. Gwyn, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

No Drawing. Application December 31, 1936, Serial No. 118,567
8 Claims. (Cl. 49—81.5)

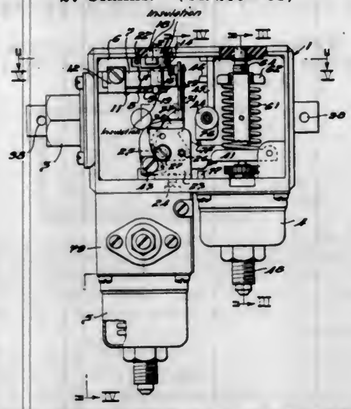
8. Laminated safety glass comprising two sheets of glass and an interlayer of plastic bonded therebetween and comprising a polyvinyl acetal resin formed by the reaction of a saturated aldehyde on a hydrolyzed polyvinyl ester and a dialkyl sebacate compatible therewith as a plasticizer therefor.

2,200,970

ELECTRIC SWITCH

Carl A. Schaefer, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application May 4, 1936, Serial No. 77,723
27 Claims. (Cl. 200—83)



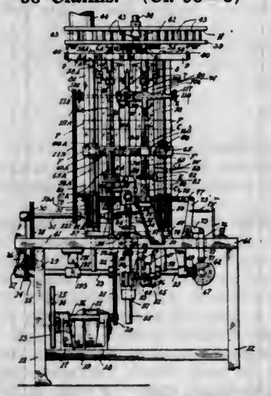
1. In an electric switch, a pair of generally parallel, rigid arms, each pivotally mounted on a relatively fixed part and each having limited relative movement independently of the other about its pivotal mounting on said part, a contact element supported on one of said arms, an opening in the other of said arms through which said contact element loosely extends, a stationary contact cooperating with said contact element to complete a circuit through the switch, and means for moving said other arm into engagement with said one arm to move said contact element to separated position.

2,200,971

SYSTEM FOR MAKING, FILLING, AND SEALING CONTAINERS

John R. Sonneborn, Willow Grove, and Jonathan Y. Albertson, Philadelphia, Pa., assignors to Stokes and Smith Company, Summerdale, Pa., a corporation of Pennsylvania

Application March 4, 1939, Serial No. 259,748
58 Claims. (Cl. 93—3)



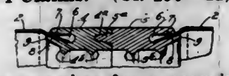
1. In the art of making containers of web material, the method which comprises applying tension to the web material to draw it over a form to produce a tube, relieving the tension upon the web material, and while said material is relieved of tension joining its margins to each other to form a seal extending longitudinally of said tube.

2,200,972

CARRYING CASE AND FRAME STRUCTURE THEREFOR

Leo Stein, Chicago, Ill.

Application June 10, 1938, Serial No. 212,935
4 Claims. (Cl. 190—41)



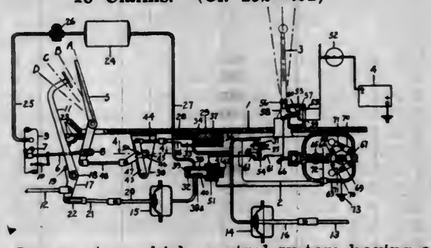
1. A frame member for a carrying case, said member comprising an integral bar of malleable metal formed with an initially open channel extending longitudinally of the bar in one edge thereof to receive a marginal portion of the flexible material composing a wall of the case, the malleable metal of said member being sufficiently rigid to maintain an effective grip on said material after the walls of the channel have been bent together with said material between them.

2,200,973

DEVICE FOR OPERATING VEHICLE CONTROLS

Henry W. Struck, Boston, Mass.

Application June 3, 1938, Serial No. 211,555
18 Claims. (Cl. 192—.01)



1. In a motor vehicle control system having a throttle actuating member, brakes, a clutch, power operable means to operate said brakes and power operable means to operate said clutch, a source of power, means to connect said source and both of said power operable means, said means comprising a first control for said brake operating means and a second control for said clutch operating means, an operator control, means connecting said operator control to said throttle actuating member to permit limited movement of said operator control independently of said member, means connecting said first control to said operator control to permit said first control to be actuated during said limited movement prior to movement of said throttle actuating member, means resiliently urging said operator control to a position wherein said first control is fully operative, and means to operate said second named control, said last named means comprising means to operate when said first control is in an operative position and means responsive to the vehicle speed.

2,200,974

INK

Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 15, 1936, Serial No. 96,246
5 Claims. (Cl. 134—36)

1. As a composition of matter, an ink compris-

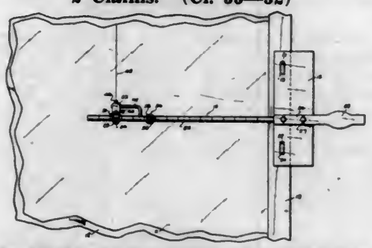
ing not less than about 50% pigment and not more than about 20% of an approximately 40% formaldehyde solution and the remainder waterproof spar varnish, unsaponifiable greasy matter and litho-oils the formaldehyde remaining in an uncombined condition.

2,200,975

GLASS CUTTING APPARATUS

Ben F. Anderson, Shreveport, La., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application July 1, 1938, Serial No. 217,008
2 Claims. (Cl. 33—32)



1. In apparatus for cutting sheet glass as it is supported in a horizontal position upon the top of a table, a carrier supported upon and movable along said table and having a portion thereof engaging the outer edge of the said table to guide the same, a substantially horizontal supporting rod carried by said carrier and overhanging said table, a cutting unit including a collar slidably and rotatably mounted upon said supporting rod, means for securing said collar to said rod, a cutting ferrule rotatably carried by said collar and a cutting diamond carried by said ferrule; and a cutter stabilizing unit comprising a collar slidably and rotatably mounted upon said supporting rod, means for securing said collar to said rod and a bracing arm extending between and connected to said last mentioned collar and said cutting unit.

2,200,976

RESETTING MEANS FOR AIR BORNE GYROSCOPES

Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application November 2, 1935, Serial No. 48,008
5 Claims. (Cl. 74—5)

4. In a directional gyroscope, a rotor bearing casing, a rotatably mounted vertical ring, large complementary dry surfaces for supporting said casing for oscillation about a horizontal axis within said ring, means whereby air under pressure is supplied thereto for floating said casing about said axis, means for locking the casing about said axis preparatory to resetting by shutting off the air supply, means for temporarily cutting off the air supply, and means for resetting said vertical ring and casing in azimuth while said casing is so locked about said horizontal axis.

2,200,977

FOOD PRODUCT AND METHOD OF MAKING SAME

William C. Baxter, Newtown, Conn.

Application January 25, 1938, Serial No. 186,780
7 Claims. (Cl. 99—137)



1. A frozen food product comprising a layer of frozen cream; a biscuit of strand-like crunchy cereal pieces having a frozen coating of cream thereon supported upon said layer of frozen cream; and a portion of ice cream on the cream-coated biscuit.

2,200,978

LAMP HOLDER

Harold D. Blake, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Original application January 24, 1935, Serial No. 3,334. Divided and this application November 2, 1938, Serial No. 238,449
5 Claims. (Cl. 173—328)



1. A holder for an electric lamp comprising a substantially flat sheet metal portion with annularly disposed integral spring fingers extending outwardly from one face thereof for engagement with a cavity in a lamp base, a cap of insulating material covering covering said sheet metal portion on the face opposite said spring fingers and having a rim covering the edge of said portion to form insulating means encasing said portion, said cap being provided with an opening in the rim thereof, and a projecting prong portion extending from said flat sheet metal portion through the opening in said rim and beyond the confines of said insulating cap for engagement with a socket.

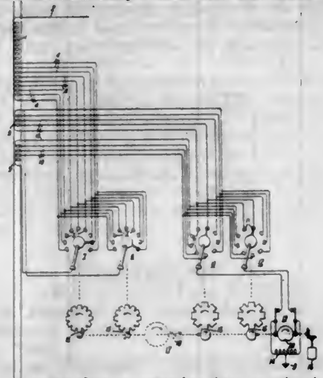
2,200,979

TRANSFORMER TAP-CHANGING SYSTEM

Louis F. Blume, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application June 22, 1939, Serial No. 280,567
9 Claims. (Cl. 171—119)

2. A transformer ratio adjusting system comprising, in combination, a main transformer winding provided with a plurality of main tap contacts, a pair of movable main contacts for successively engaging said main tap contacts, a pair of insulated vernier windings connected respectively to said main movable contacts, said vernier windings each having a plurality of vernier tap contacts, a movable vernier contact for successively engaging said vernier tap contacts, and means for so interlocking the motions of said movable contacts that a main movable contact is moved only when the movable vernier



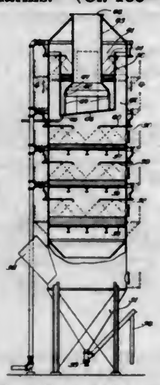
contact is engaging a vernier tap contact on the vernier winding which is connected to the other main movable contact.

2,200,980

METHOD AND APPARATUS FOR ELIMINATING MOISTURE FROM GAS OR AIR

Arthur J. Boynton, Winnetka, and Gilbert D. Dill, Chicago, Ill., assignors to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois

Application October 24, 1938, Serial No. 236,650
4 Claims. (Cl. 183—81)



1. Apparatus for eliminating moisture from gas comprising a housing having upper and lower chambers, spaced vertical passages adjacent the housing walls, said passages leading from the lower and discharging into the upper chamber, an outlet passage extending centrally down into the upper chamber and terminating in the lower portion of the upper chamber, and a system of vertical, elongated parallel conduits of relatively small diameter extending across the area of the upper chamber above the lower end of the outlet passage and below the upper end of the inlet passages.

2,200,981

ELECTRIC SWITCH

Leonard W. Cook, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application February 1, 1939, Serial No. 254,078
4 Claims. (Cl. 200—172)

1. An operating lever comprising in combination, a preformed member of insulating material having an integral handle portion and a flat metallic insert therefor, said lever being adapted for mounting for pivotal movement about an axis substantially perpendicular to the plane of said insert, said member having a main recess opening at the end opposite said handle portion and a sub-recess of reduced size opening on the floor of said main recess, said metallic insert



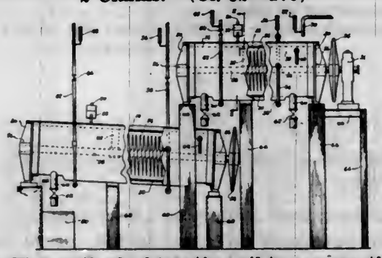
having a body portion with barbs extending from the opposite edges thereof, said body portion being positioned in said main recess with said barbs in biting engagement with the end walls of said main recess to secure said insert in said member and a lug projecting from an end of said body portion and engaging the walls of said sub-recess to transmit tangential forces between said member and said insert.

2,200,982

METHOD FOR CRYSTALLIZING FATS

Carl Dedlow, La Plata, Argentina, assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

Application August 30, 1937, Serial No. 161,545
In Argentina March 24, 1937
2 Claims. (Cl. 62—170)



1. The method of treating oil to remove therefrom the components having a melting point higher than the oil which comprises quickly chilling the oil to a temperature sufficient to form seed crystals of the components having the higher melting point, quickly chilling the chilled oil to a lower temperature sufficient to cause the seed crystals to increase by accretion and to solidify substantially all of the components having the higher melting point and thereafter separating the crystals from the oil.

2,200,983

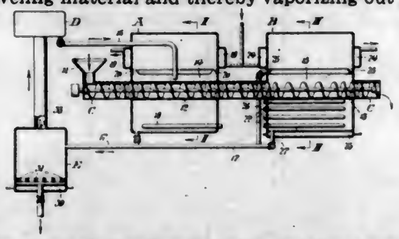
EXTRACTION WITH SOLVENTS

Clarence F. Dinley, Detroit, Mich., assignor, by mesne assignments, to Solvent Machine Company, trustee, Detroit, Mich., a corporation of Michigan

Original application January 5, 1937, Serial No. 119,076. Divided and this application June 21, 1937, Serial No. 149,360
5 Claims. (Cl. 260—705)

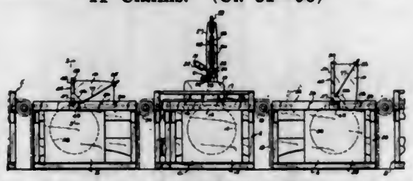
1. A continuous process for the extraction treatment of organic material containing oil, fat, or resin, and the removal of residual solvent from the treated material, which process comprises continuously and successively feeding the organic material into, through, and out of closed treating and solvent removal chambers, and pro-

viding liquid solvent in the treating chamber for the treatment of said material; in said treating chamber continually heating and vaporizing the liquid solvent and condensing the vapor, and percolating the condensate across and through the traveling material in said chamber; in said solvent removal chamber continually heating the traveling material and thereby vaporizing out the



solvent remaining therein, while leaving a region of the chamber substantially unheated; continually condensing the solvent vapor in said unheated region; and withdrawing liquid solvent containing extracted matter from both of said chambers, purifying it of such extracted matter, and returning the purified solvent to said treating chamber.

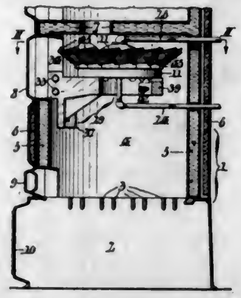
2,200,984
SHEET EDGING APPARATUS
John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 23, 1938, Serial No. 215,331
11 Claims. (Cl. 51—96)



1. In apparatus for grinding the curved edge of a sheet or plate of glass or the like, a rotary grinding wheel positioned to rotate about a substantially horizontal axis, a horizontal runway leading to and from said grinding wheel including a plurality of horizontally aligned conveyor rollers arranged at each side of the wheel, a work holder mounted above the grinding wheel for supporting the sheet to be ground on edge in a substantially vertical position including two series of rollers arranged at substantially right angles relative to one another and engageable by the adjacent edges of said sheet, and means for rocking said work holder first in one direction to move the curved edge of the sheet to be ground over and in engagement with the grinding wheel and then in the opposite direction to return it to starting position, one of said series of rollers being disposed in substantially horizontal alignment with said conveyor rollers at the completion of the rocking movement of said work holder in either direction.

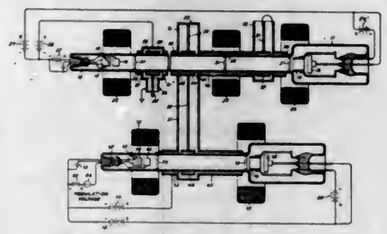
2,200,985
HEAT-DIFFUSER AND WATER-BACK DEVICE
George Faulds, Philadelphia, Pa.
Application January 7, 1939, Serial No. 249,675
6 Claims. (Cl. 122—20)

1. In a furnace, a combustion chamber having an access door, a combined heat-diffuser and water-back device adapted for location centrally within said chamber over the combustible medium, said device comprising a substantial structure with surrounding tangential edge-lapping baffles, said baffles being inclined to the horizontal and also capable of storing heat, and bracket



means including counterpart components with an intervening section for combined support of the device from the frame of the access door, said intervening section having relatively movable connection with the counterpart component free ends to accommodate expansion and contraction of the combined supporting means.

2,200,986
MODULATION SYSTEM
Victor H. Fraenckel, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 27, 1939, Serial No. 301,628
5 Claims. (Cl. 179—171.5)

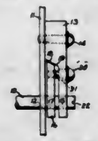


1. In combination, means including a discharge device of the cathode ray type for producing a concentrated electron beam, an electrode structure coupled to the beam at a point along the beam path, said structure having dimensions which are so correlated to the transit time of electrons in the beam as to assure effective mutual reaction between the structure and the beam when the beam is preliminarily modulated at a particular frequency, means for preliminarily modulating the beam at the said particular frequency, resonant circuit means connected to the said electrode structure and adapted to be excited to oscillation by the reaction of the modulated beam thereon, the electrode structure in turn reacting on the beam to produce a secondary modulation thereof in accordance with the condition of resonance of the said circuit means, means for varying the condition of resonance of the circuit means at a desired frequency to produce secondary modulation of the beam at such frequency, and means for abstracting energy from the doubly modulated beam.

2,200,987
ELECTROGALVANIZING PROCESS
John P. Hubbell, Garden City, and Louis Weisberg, New York, N. Y.
No Drawing. Application December 1, 1937, Serial No. 177,464
23 Claims. (Cl. 204—18)

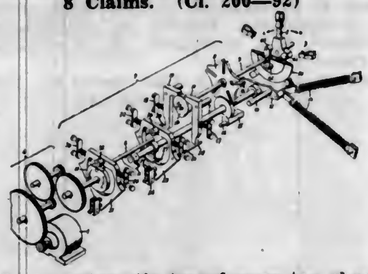
1. The process of producing smooth electrogalvanized products which comprises passing a current at high cathode current density through a concentrated ammoniacal zinc solution in which the work being plated is immersed as the cathode, said solution containing ammonia substantially in excess of the amount required to form zinc tetrammine compound with all of the zinc in solution.

2,200,988
SHAFT LOCKING DEVICE
Clair E. Jennings, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 3, 1938, Serial No. 188,515
7 Claims. (Cl. 188—67)



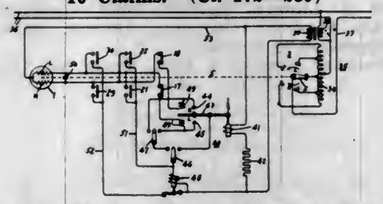
1. In combination, a shaft rotatable about its axis, means for rotating said shaft, means forming a plurality of axially aligned non-rotatable bearings for said shaft, means for locking said shaft against rotation, said last named means including means for applying to at least one of said bearings a force acting radially of said shaft and tending to displace said bearings from said axial alignment, and means responsive to said force to increase the pressure which said shaft exerts on said bearings.

2,200,989
ELECTRIC REGULATOR
Thomas C. Lennox and Salvatore Minneci, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application January 5, 1938, Serial No. 183,494
8 Claims. (Cl. 200—92)



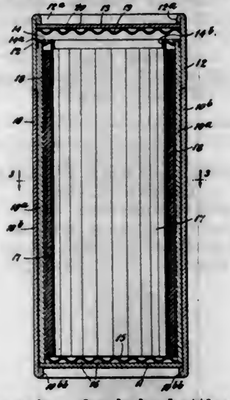
1. In an automatic transformer tap changing step regulator, in combination, a tap changing switch having a contact adapted to be moved in forward and reverse directions into successive engagement with a plurality of fixed tap contacts, a Geneva-gear for operating said movable contact, a crankshaft, a power spring attached to a crank on said shaft and adapted normally to hold said shaft in a given angular position, a Geneva-gear driver, driving lugs for said Geneva-gear driver fastened to said crankshaft on opposite sides thereof, a transverse member rigidly fastened to said crankshaft, a winding pin for engaging said member, reduction gears for driving said winding pin, and a reversible motor for operating said reduction gears.

2,200,990
ELECTRIC REGULATOR
Thomas C. Lennox and Salvatore Minneci, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Original application January 5, 1938, Serial No. 183,494. Divided and this application November 16, 1938, Serial No. 240,820
10 Claims. (Cl. 172—239)



1. In a regulator, an operating motor, a primary device for controlling the direction of operation of said motor in accordance with the value of a quantity to be regulated, seal-in means for causing said motor to operate a predetermined amount after said primary relay causes said motor to start, and means operated substantially coincidentally with the operation of said seal-in means for preventing said primary device from stalling said motor by attempting to cause its reversal after said seal-in means has been operated.

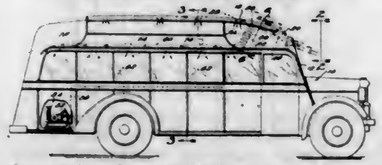
2,200,991
CONTAINER FOR BABY BOTTLES AND THE LIKE
Isaac Lieber, New York, N. Y., assignor to Thervac Products, Inc., New York, N. Y., a corporation of New York
Application February 3, 1939, Serial No. 254,414
3 Claims. (Cl. 229—14)



1. In a container for baby bottles and the like, a hollow cylindrical body having a closed bottom end, a corrugated disc rested on said closed bottom end, an annular member mounted on the top end of said body and extending radial inwards and at its inner edge having a longitudinally inwardly extending flange portion, and a tubular heat insulation unit comprising flexible heat insulation material adjacent and ex-

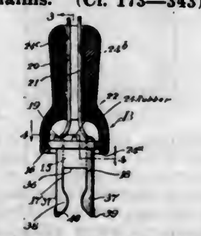
tending around the side wall of said body and at its top stopping short of said flange and a flexible sheet extending along said heat insulation material and at its bottom edge resting on said disc and at its top edge projecting above said heat insulation material and behind said flange portion and having free side edges adjacent each other, whereby one of said side edges may be gripped and pulled for easily removing said heat insulation unit.

2,200,992
VEHICLE VENTILATING AND AIR CONDITIONING APPARATUS
Alfred R. Lintern, Detroit, Mich., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application January 6, 1937, Serial No. 119,219
7 Claims. (Cl. 98—2)



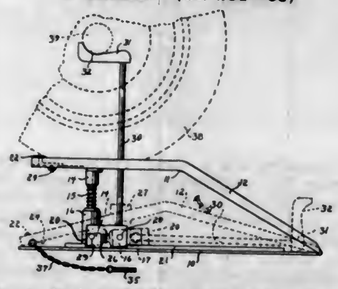
1. Apparatus for ventilating the interior of a closed passenger vehicle body having an outer roof and a front wall including a windshield and said vehicle body having seats therein at spaced intervals along each side thereof comprising means forming air inlet openings in said body adjacent the sides of said front wall, means forming exhaust openings in the roof of said body adjacent the front thereof, means forming an elongated exhaust conduit in the roof structure of said vehicle, located centrally of said vehicle and having spaced openings therethrough communicating with the interior of said vehicle body, said exhaust conduit communicating with said exhaust openings, members extending longitudinally of said vehicle body forming air inlet conduits, said members being located at each side of said vehicle body interiorly thereof over said seats in spaced relation to the roof and having downwardly directed spaced openings therethrough communicating said conduits with the interior of said body, the space between the members and the roof being open to the interior of the vehicle, and means communicating said inlet conduits with said inlet openings.

2,200,993
QUICK-DETACHABLE ELECTRICAL CONNECTION
Leslie H. Marshall, Fullerton, Calif., assignor to John Regan, as trustee
Application September 20, 1938, Serial No. 230,769
4 Claims. (Cl. 173—343)



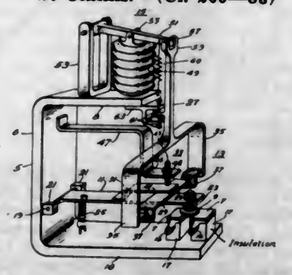
4. In a quick-detachable electrical connection, a cylindrical socket open at one end, a tongue extending transversely across the socket substantially the full diameter of the bore of the socket, said tongue terminating in spaced relation from the outer end of the socket, electrical contact means at the tongue, a cylindrical plug having a diametrical recess in one end so that said end of the cylindrical plug forms a pair of prongs, and electrical contact means at the prongs, the cylindrical plug being of a diameter adapting it for substantially snug reception in the cylindrical socket with the pronged end of the plug initially received in the socket irrespective of the relative position to which the plug and socket may be turned and with the plug adapted to then be turned for positioning its pronged end for straddling the tongue with the electrical contact means at the prongs engaging the electrical contact means at the tongues.

2,200,994
VEHICLE JACK
Harry H. Polk, Des Moines, Iowa
Application December 18, 1939, Serial No. 309,846
8 Claims. (Cl. 254—88)



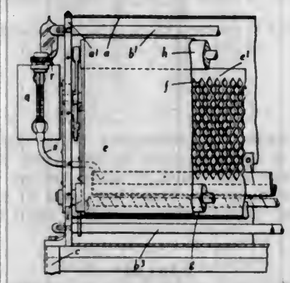
1. In a device of the class described, a base member, a ramp hinged at one end to said base member, a lowerable and raisable jack under the free end portion of said ramp capable of lowering and holding and raising and holding the free end of said ramp at any position in its normal effective swinging movement relative to said base, and a supporting member on said base member.

2,200,995
CIRCUIT CONTROLLER
Richard H. Procter, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1937, Serial No. 124,251
26 Claims. (Cl. 200—83)



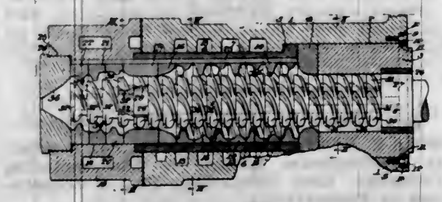
1. In a circuit controlling device relatively movable contacts, a switch member movable to open or to closed circuit position to open or to close said contacts, actuating means for moving said switch member to open or to closed circuit position with a snap action to secure quick make or break action of said contacts comprising a movable operating member, an overcenter toggle device carried by said operating member, and a lost motion connection coupling said switch member to said toggle device.

2,200,996
APPARATUS FOR CONTINUOUSLY DEVELOPING SENSITIZED LAYERS
John Robert Reed, London, England, assignor of one-half to The Ozalid Company Limited, Westminster, London, England
Application April 26, 1938, Serial No. 204,295
In Great Britain May 11, 1937
6 Claims. (Cl. 95—90.5)



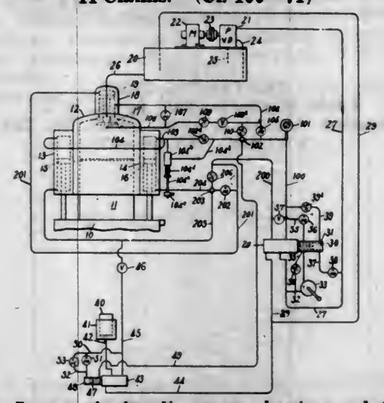
1. In apparatus for developing sensitized layers of the type referred to, the combination of: a developing chamber having a perforated guide surface over which the sensitized layer travels, said perforated guide surface being inclined upwardly and inwardly substantially at an angle of 45° to 75° to the horizontal; a tray for developing liquid disposed beneath the perforated guide surface towards the lower end thereof; heating means disposed beneath the said tray for evaporating the liquid in the said tray; means for directing part of the heat produced by said heating means towards the lower portion of the perforated surface; and means for moving the sensitized layer over the perforated guide surface.

2,200,997
EXTRUDING MACHINE
Vernon E. Royle, Paterson, N. J.
Application January 29, 1937, Serial No. 122,937
5 Claims. (Cl. 18—12)



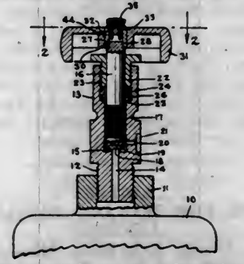
1. A stock screw for extruding plastic material comprising, a shaft and a plurality of sections removably secured thereon, each of said sections being provided with a hub and a series of circumferentially arranged formations on its periphery extending throughout the length of the hub to form partial threads in overlapped relation, each of said formations being of substantial height at the front of the hub and arcuately tapered toward the rear, said tapered portion terminating on the hub.

2,200,998
HYDRAULIC PRESS
Carl F. Schnuck, New Haven, Conn., assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut
Application June 3, 1937, Serial No. 146,316
11 Claims. (Cl. 100—71)



1. In an hydraulic press having relatively movable pressing members to act on the work, means to effect relative approaching and pressing movements of said members comprising main and auxiliary fluid pressure motors, a single source of variable fluid pressure, fluid connections from said source to said motors, means actuated by fluid pressure in said connections for opening said connections to said main motor only after said members have been engaged with the work by said auxiliary motors, means to pre-fill said main motor prior to supply thereto of fluid pressure from said source, said means including a valve, a fluid-pressure motor for closing said valve, and means controlling admission of fluid pressure to said valve motor to close said valve prior to supply of fluid pressure to the main motor, said means also being actuated by pressure in said connections independently of the actuation of the means opening the connection to the main motor.

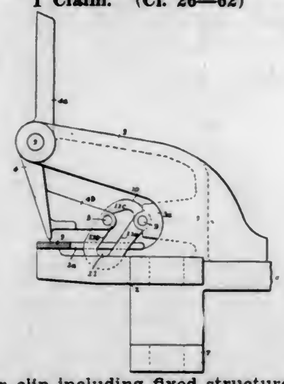
2,200,999
VALVE HANDLE OF COMPRESSED GAS TANKS
Justin G. Sholes, Cleveland, Ohio, assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio, a corporation
Application July 5, 1938, Serial No. 217,386
4 Claims. (Cl. 287—53)



1. In a gas container, a valve stem provided with parallel plane faces at its upper end and a longitudinal channel, there being a part cut out into said stem from said channel at one point in its extent to form a recess at said point, a valve

handle having a socket adapted to embrace said plane faces and conforming thereto, and a headed fastening member adapted to contact said valve handle having thereon a resilient finger adapted to extend along said channel, with a deformed part thereon adapted to seat in said recess for holding said valve handle positioned on said valve stem and freely removable therefrom.

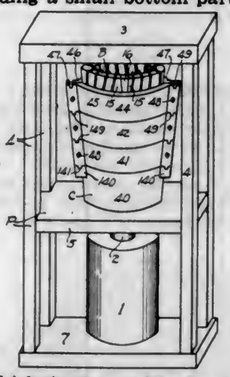
2,201,000
TENTERING CLIP
Louis Slagboom, Fair Lawn, N. J.
Application August 8, 1939, Serial No. 288,925
1 Claim. (Cl. 26—62)



A tenter clip including fixed structure providing a space open laterally to receive the cloth and a horizontal cloth-supporting surface at the lower side of said space provided with an aperture, a depending jaw member pivoted in said structure above said surface on a horizontal axis and movable outwardly against cloth positioned on said surface and reversely, said structure having a fixed pivot parallel with said axis and above said surface and arranged inward of said member, and an up-and-down-movable feeler member confined by the pivot to a single arcuate path concentric with said pivot and arranged to enter and recede from said aperture, one member having a bearing whose axis is parallel with the first axis and arranged to stand in substantially the same horizontal plane as the pivot when the feeler member, supporting the jaw member, rests on the cloth overlying said aperture and the other member having a slot receiving the bearing and formed to extend approximately horizontally when the feeler member so rests on the cloth and one side of which for substantially the full extent of the slot is straight and the other side of which is the side against which the bearing bears when said members descend without cloth present under the feeler member and has a portion thereof which is displaced from each end of the slot diverted and forming a recess providing a detent shoulder for the bearing and the portion thereof which is relatively between the recess and the jaw member substantialy parallel for its full extent with the first-named slide.

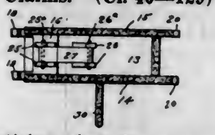
2,201,001
MACHINE FOR MAKING JORDAN SHELL LININGS
Harold D. Stuck, Lawrence, Mass., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts
Application December 31, 1935, Serial No. 56,957
5 Claims. (Cl. 29—84)

1. In a machine for making a Jordan shell lining, the combination of a press including a fixed plate and a platen movable to and from said plate; with a compound form of truncated conical shape including a small bottom part and a large



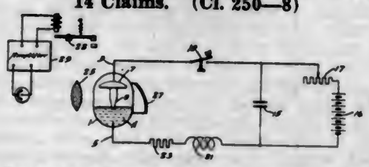
top part which is removable from the bottom part; and a block carried by the fixed plate and having a circular head of such size as to enter the large end of the large top part of the form and smaller than the small end of such top part.

2,201,002
ADVERTISING SIGN FOR AUTOMOBILES
Joseph G. Theriault, Milton, Mass.
Application July 24, 1939, Serial No. 286,123
3 Claims. (Cl. 40—129)



1. An advertising sign for automobile doors, comprising a sign body having a recess at one end adapted to pass around a door handle and lock and extension hooks adapted to engage over the adjacent edge of said door, folded over horizontal top and bottom edges on said body forming slide-ways thereon, a slide member adapted to slide in the opposite end of said body, said slide member being recessed on one side and having extension hook portions thereon adapted to engage over the opposite door edge, brackets attached to the back side of said slide and said body portion, pins located across said brackets, a tension member anchored to said pins, said hooks, and slide-way members being faced on their back surfaces with felt material.

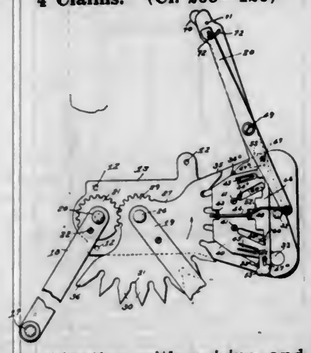
2,201,003
ELECTRIC DISCHARGE APPARATUS
William E. Berkey, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 29, 1936, Serial No. 103,185
14 Claims. (Cl. 250—8)



2. In a signalling system for the transmission

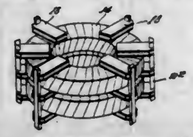
and reception of light waves, a transmitting arrangement comprising an electric discharge device including an anode, a cathode and a bar of high resistant material having one end supported from and in electrical contact with said anode and the other in contact with said cathode, a power supply for energizing said device including a control circuit and a capacitor capable of producing a discharge through said bar to form a radiant-energy emission spot on the surface of said cathode.

2,201,004
AUTOMOBILE DOOR WINDOW MECHANISM
Daniel L. Chandler, Salem, and George W. Ewing, Peabody, Mass., assignors to Aresee Company Inc., Salem, Mass., a corporation of Massachusetts
Application June 26, 1939, Serial No. 281,146
4 Claims. (Cl. 268—126)



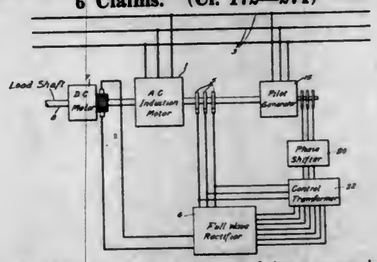
1. In combination with raising and lowering mechanism for automobile door windows, said raising and lowering mechanism comprising elevating arms attached to said window and engaged at one end by means of pivoted pinion members, one of said pinion members having an attached segment, V shaped teeth located on the periphery of said segment, alternating V shaped cam members engaging the V sides of said teeth for the purpose of elevating or lowering said window, slots located between said V teeth at their bases, said V shaped cams engaging with said slots at the end of each forward movement of the cams for the purpose of locking said segment and window.

2,201,005
SPACER FOR TRANSFORMER COILS
James G. Ford, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 6, 1938, Serial No. 206,358
1 Claim. (Cl. 175—362)



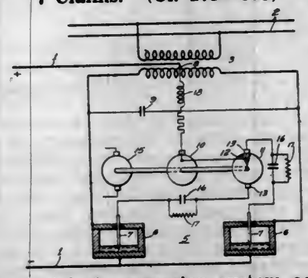
A spacer for transformer coils comprising, a body portion of hard rigid insulating material having outer opposite surfaces of soft yielding fibrous insulating material, the hard and soft insulating material being of the same composition and formed from a single unit whereby the soft surfaces are integral with the hard body portion, the soft insulating material on the surfaces of the body portion being adapted to yield under pressure of the coils to cushion them and prevent abrasion thereof.

2,201,006
VARIABLE SPEED MOTOR DRIVE
Lee A. Kilgore, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 18, 1938, Serial No. 235,583
6 Claims. (Cl. 172—274)



1. A variable speed motor drive comprising a wound rotor induction motor having a primary and a secondary winding, means for supplying substantially constant frequency alternating current to said primary winding, a direct current motor, connections including a controlled rectifier for supplying current to said direct current motor from the secondary winding of said induction motor; a pilot generator coupled to said induction motor, a primary and secondary winding in said pilot generator, said primary winding of said pilot generator beng connected to the source of alternating current supply of said induction motor, control electrodes in said rectifier, means for supplying control potential to said control electrodes and connections for applying the potential of the secondary winding of said pilot generator for controlling the application of control potential to said control electrodes.

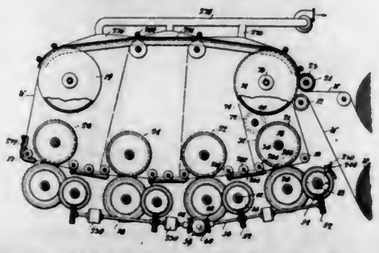
2,201,007
VAPOR ELECTRIC DEVICE
Leon R. Ludwig, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 17, 1938, Serial No. 225,377
7 Claims. (Cl. 175—363)



1. An electrical conversion system comprising a direct current circuit, an alternating current circuit, an inductive winding device connecting said circuits, a multi-valve arc discharge device for transferring energy between said circuits, a make-alive electrode in each of said valves, a source of direct current actuating potential for

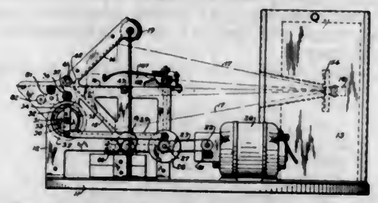
said make-alive electrodes, circuit interrupting means for periodically impressing said actuating potential on make-alive electrodes, means in series with said make-alive electrode for reducing current flow thereto prior to the opening of said circuit interrupting means.

2,201,008
WEB-FED PRINTING PRESS
Charles J. MacArthur, Glen Ridge, N. J.
Original application December 17, 1937, Serial No. 180,285. Divided and this application July 25, 1939, Serial No. 286,308
7 Claims. (Cl. 101—152)



1. In a rotary printing press, having a printing cylinder, inking means adapted to supply a circuit of ink in communication with a relatively small and confined peripheral area of said printing cylinder, said means including an ink applying member of small ink capacity having a generally nozzle shaped end portion with an opening, an openable gate in said opening and impeller means to create an ink circuit in said ink applying member, and a detachable ink reservoir means which includes an ink reservoir, agitation and delivering means for ink in said reservoir and connecting means between said reservoir and said ink applying member.

2,201,009
APPARATUS FOR PHOTOGRAPHING DOCUMENTS
Frank E. Oller, Mount Vernon, N. Y.
Application January 3, 1939, Serial No. 249,142
11 Claims. (Cl. 88—24)

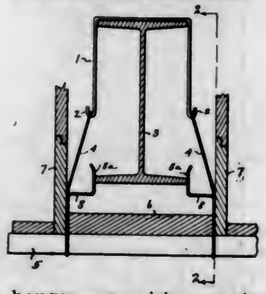


1. In an apparatus for simultaneously photographing both sides of a document, a pair of angularly related image reflecting members having a slot between their adjacent edges, a fixed transparent table having its edge aligned with said slot and spaced between said members whereby the document may be inserted through said slot upon said table, means for illuminating both sides of said table, a mechanism for photographing the image of the document as reflected by said members, an oscillating finger for removing the document from the table in a direction at right angles to the direction in which it was placed upon the table, and means operatively connecting said oscillating finger with said mechanism.

2,201,010
REDUCING COMPOSITION USEFUL FOR TEXTILE PRINTING AND OTHER PURPOSES
Henry Papini, Pawtucket, R. I., assignor to Warwick Chemical Co., West Warwick, R. I., a corporation of Rhode Island
No Drawing. Application August 16, 1938, Serial No. 225,144
9 Claims. (Cl. 8—34)

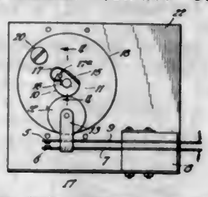
7. A vat dyeing composition comprising a vat dye and a hydroxy acetone as a reducing agent for said vat dye.

2,201,011
FORM HANGER
Ernest A. Podd, Houston, Tex.
Application December 21, 1937, Serial No. 181,030
1 Claim. (Cl. 25—131.5)



A form hanger comprising an inverted, U-shaped bracket having approximately parallel, depending, side bars, end hooks on the lower ends of said bars, a stirrup hung from each hook, the lower end of each stirrup being approximately rectangular in shape and hanging in a vertical plane, the side bars of each stirrup converging upwardly to an apex which engages the corresponding hook, the upper end of one stirrup converging upwardly and inwardly towards the upper end of the other stirrup, a spacer for each stirrup, said spacer comprising a side arm whose outer end is attached to and whose inner end is spaced from, the stirrup and turned upwardly with its free end turned outwardly.

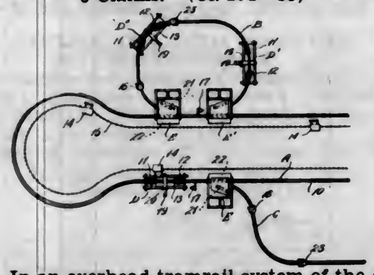
2,201,012
CONTROL DEVICE
Alexander C. Reid, Genoa, Ill., assignor to Leich Electric Company, Genoa, Ill., a corporation of Illinois
Application September 10, 1938, Serial No. 229,262
3 Claims. (Cl. 200—30)



1. A safety intermittent contact actuating mechanism for electrical circuits comprising a shaft, a drive motor therefor, a contact actuating element rotatably journalled on said shaft, a weighted crank connected to said element, and a lost motion drive connection between the motor shaft and said element whereby the element may be rotated by said weighted crank through a half

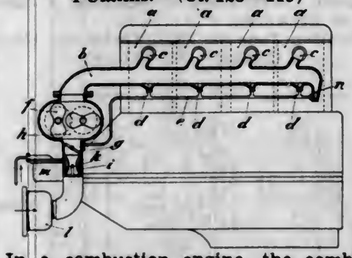
turn independently of the shaft, said lost motion connection comprising a spring fixed to said element and having a free end portion extending toward said shaft, and a projection on said shaft adapted to engage said free end portion.

2,201,013
OVERHEAD CARRIER SYSTEM
Morris G. Rosenthal, Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application October 2, 1937, Serial No. 166,980
6 Claims. (Cl. 104—88)



1. In an overhead tramrail system of the character referred to the combination of: a suspended overhead monorail track system comprising a main track, a plurality of branch tracks, and a plurality of switches associated with said tracks: a plurality of carriers on said main track; means on said carriers for actuating said switches to a position to transfer a carrier from said main track to one of said branch tracks; means for returning said switches to their original positions after a carrier has moved therethrough onto a branch track; and means for preventing the subsequent actuation of a switch after it has been returned to its original position by a succeeding carrier on said main track until a carrier transferred to said branch track has moved along said branch track a predetermined distance away from said switch.

2,201,014
ARRANGEMENT FOR DRAWING FUEL OUT OF THE INDUCTION CONDUIT OF INTERNAL COMBUSTION ENGINES
Georg Scheerer, Stuttgart-Bad-Cannstatt, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application June 8, 1938, Serial No. 212,525
In Germany June 9, 1937
4 Claims. (Cl. 123—119)



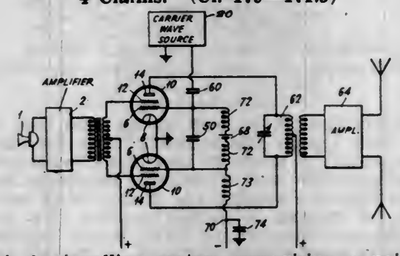
1. In a combustion engine, the combination with a carburetor, an intake manifold of relatively wide cross-section and a charging blower between said carburetor and said manifold, of catching devices for the fuel condensate disposed in said manifold, one of said catching devices being disposed at the end of said manifold remote from said charging blower.

2,201,015
YARN BRAKE
Hellmut Schlick, Burgstadt, Germany
Application October 1, 1937, Serial No. 166,715
8 Claims. (Cl. 242—147)



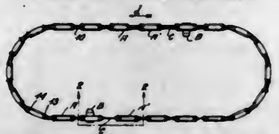
1. A yarn brake for textile machines, comprising a stationary member, a pivoted member associated with said stationary member, each of said members carrying a plurality of spaced gripping elements, the gripping elements of the stationary member and the gripping elements of the pivoted member interengaging each other and forming a braking passage for the yarn, the center of gravity of the pivoted member being so related to its pivot that it tends to cause the gripping elements of the pivoted member to swing toward the gripping elements of the stationary member to cause a pressure on the yarn, and a dampening dash-pot arrangement connected to said pivoted member for dampening the vibrations of said pivoted member caused by the passing yarn.

2,201,016
MODULATOR
George Lindley Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 29, 1936, Serial No. 61,259, now Patent No. 2,134,065, dated October 25, 1938, which is a division of application Serial No. 524,247, March 21, 1931, now Patent No. 2,074,440, dated March 23, 1937. Divided and this application March 10, 1938, Serial No. 195,011
4 Claims. (Cl. 179—171.5)



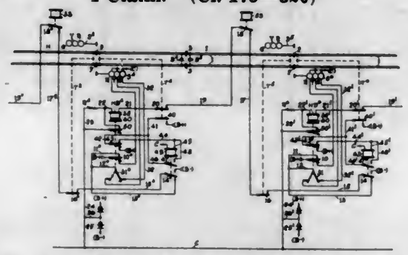
4. A signalling system comprising a pair of electron discharge devices, each having an anode, a cathode, and a plurality of grid-like electrodes, direct current circuits for applying direct current potentials of different values to the electrodes of one pair of like grid-like electrodes in said devices relative to the cathodes of said devices, a source of carrier wave oscillations, circuits connecting said source of carrier wave oscillations to said same pair of like grid-like electrodes to apply thereto carrier waves in phase, means reactive at the frequency of said oscillations in said direct current circuits, a second source of oscillations of different frequency, and a balanced push-pull circuit coupled on the one hand to said second source of oscillations and on the other hand to another pair of like grid-like electrodes in said devices to apply thereto oscillations of said different frequency in phase opposition.

2,201,017
OVERHEAD CARRIER SYSTEM
William G. Wehr, East Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application December 24, 1937, Serial No. 181,664
9 Claims. (Cl. 104—25)



1. In an overhead carrier system of the character referred to, the combination of a continuous overhead track, a plurality of cars operatively connected together in an endless train and movable about said track, a plurality of said cars having lost motion therebetween and at least one of said cars including propelling means for moving the train about said track, and resilient means for operatively connecting a plurality of said cars whereby changes in the length of the train or a portion thereof under varying load conditions are facilitated.

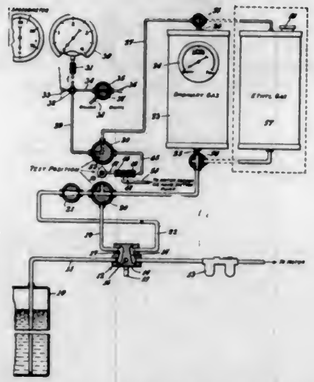
2,201,018
SIGNALING SYSTEM FOR RAILROADS
Joseph E. Willing, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application February 17, 1932, Serial No. 593,549. Divided and this application January 22, 1937, Serial No. 121,845
1 Claim. (Cl. 175—320)



In combination, a relay having slow pick up and slow release characteristics and including an armature, a magnetic core and an operating winding on the core, an external resistance separate from the winding and connected in series with the winding to thereby produce slow pick up characteristics in the relay, means separate from the winding and positioned on the core and constituting a low resistance short-circuited loop to produce slow release characteristics in the relay, and circuit means closing a relatively low resistance shunt across the external resistance only upon the relay having picked up its armature, whereby the relay pick up current is less than the relay holding current, and the functioning of the said loop in producing slow release characteristics in the relay is unaffected by the said external resistance.

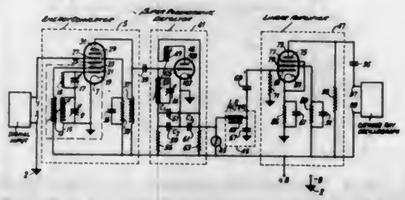
2,201,019
FUEL CONSUMPTION TESTER
John J. Zotter, Brooklyn, N. Y.
Application December 17, 1938, Serial No. 246,283
2 Claims. (Cl. 73—51)

1. A portable fuel testing device for internal combustion engines, comprising, a tank; a pair of three-way valves; a vacuum gage provided with at least one metered air-inlet; conduits connecting one of said valves with one end of said tank, said vacuum gage and a source of suction; additional conduits connecting the other of said valves with the other end of said tank, the fuel pump of the engine to be tested, and a main source of fuel supply; and means to simultaneously operate said three-way valves whereby, in their first position, said tank, said vacuum gage and said source of suction are cut off from each other and connection is established between the main source of fuel supply and the fuel pump of the engine to permit the normal operation of the engine; in their last position, said first named end of said



tank is connected with the source of suction, and said vacuum gage and the fuel pump of the engine are cut out of the system, and said second named end of said tank is connected with the main source of fuel supply whereby operation of the source of suction draws fuel from the main source of supply into said tank; and, in their intermediate position, said first named end of said tank is connected with said vacuum gage, said second named end of said tank is connected with the fuel pump of the engine, and said source of suction and said main source of fuel supply are cut out of the system whereby, upon operation of the engine, the rate of withdrawal of fuel from said tank is indicated on said vacuum gage.

2,201,020
ELECTRIC INDICATOR
Samuel J. A. M. Bagno, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1937, Serial No. 151,109
6 Claims. (Cl. 171—95)

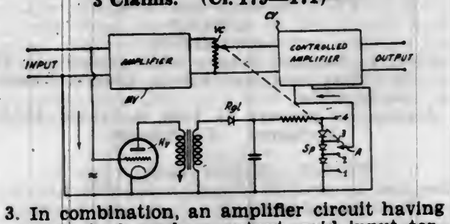


1. An electrical voltage measuring system comprising means for producing carrier wave energy, means for modulating the produced energy by the voltages to be measured, means for super-regeneratively detecting the modulated energy, and means for measuring the detected energy.

2,201,021
N-METHYL SACCHARIN IN FORMALDEHYDE-UREA MOLDING COMPOSITIONS
Emil H. Balz, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application August 8, 1938, Serial No. 223,691
3 Claims. (Cl. 260—71)

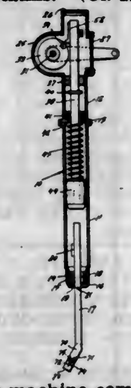
1. A thermosetting molding composition comprising a formaldehyde-urea reaction product and N-methyl saccharin as a latent accelerator.

2,201,022
CONTROL OF AUDIO FREQUENCY TRANSMISSION
Hans Bartels and Günther Ulbricht, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 17, 1936, Serial No. 111,236
In Germany December 10, 1935
3 Claims. (Cl. 179—171)



3. In combination, an amplifier circuit having input terminals and an output, said input terminals being adapted to have varying amplitude signals applied thereto, an auxiliary control channel connected to said input terminals, a rectifier for rectifying signals in said auxiliary channel, a tapped voltage divider including a non-linear resistance connected to said rectifier, means for so applying selected portions of the voltage developed across said divider to a control circuit of said amplifier that the amplitude of signals in said output varies logarithmically with respect to the amplitude of signals at said input terminals.

2,201,023
RAILROAD TIE TAMPING MACHINE
Allen M. Brown, Cottage Grove, Oreg.
Application May 3, 1939, Serial No. 271,441
6 Claims. (Cl. 125—33)



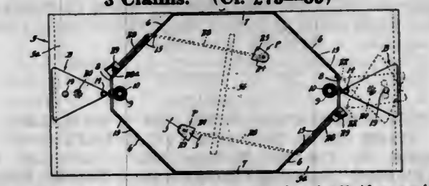
1. A tamping machine comprising a casing including upper and lower chambers defined by axially spaced partitions, a tamping bar reciprocally mounted in the lower end of the lower chamber of the casing, an impact bar reciprocally mounted within the lower chamber of the casing coaxially above the tamping bar and projecting through and beyond the upper chamber, a spring within said lower chamber adapted to be compressed by the impact bar upon upward movement of the same, means on said impact bar arranged to engage stop means within said upper chamber to limit downward movement of the impact bar rotating cam means engaging cam face means carried by the upper projecting end of said impact bar, operative to raise and to release the same after a predetermined degree of angular movement thereof, the release of said impact bar being operative to drive the same downwardly under the action of said spring for forceful engagement with the end of the tamping bar.

2,201,024
METHOD OF MAKING HEAT TRANSFER PIPE
John W. Brown, Jr., Lakewood, Ohio
Application June 7, 1938, Serial No. 212,285
4 Claims. (Cl. 22—203)



1. The method of forming heat transfer fins on pipe, which comprises casting one fin section at a time on the pipe with a neck at one end of the section surrounding the pipe and a hub portion at the other end of the section surrounding the pipe and overlapping the neck of the previously formed section.

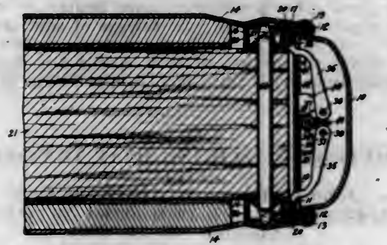
2,201,025
GAME APPARATUS
Harold J. Cadman, Minneapolis, Minn.
Application February 8, 1939, Serial No. 255,263
3 Claims. (Cl. 273—85)



1. Game apparatus for use of a ball therewith including, a member affording a normally horizontally disposed plane playing surface, baskets for receiving a ball supported from said member above respective ends of said surface, air-projecting nozzles mounted on said member at respective ends of said surface for swinging movement in a horizontal plane to project respective air jets across said surface in various directions for propulsion of a ball disposed on said surface, manually controllable means for delivering air to said nozzles, said member having a pair of ball receiving depressions therein within the boundary of said surface each having a side sloped to guide a ball out of said depression toward a respective one of said baskets, and a pair of air conduits each having an end thereof opening into the bottom of a respective one of said depressions for delivery of air to propel a ball up said sloped

side, the remaining ends of said conduits being situated and arranged for convenient connection thereof to said respective nozzles to receive air therefrom.

2,201,026
LOOSE-LEAF BINDER MECHANISM
James Cooper, Solvay, N. Y., assignor to Hall & McChesney Inc., Syracuse, N. Y., a corporation of New York
Application June 15, 1939, Serial No. 279,327
4 Claims. (Cl. 129—23)



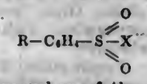
1. A loose-leaf binder comprising a back member, a cover hinged along each edge of the back member, a housing pivotally secured to each edge of the back member, a plurality of leaf impaling posts extending transversely of the back member, each of said housings including means operable to detachably secure the housing to like ends of said posts, a link pivotally connected at one end to each of said housings and being pivotally connected at its opposite end to a second link, said second links being pivotally connected to said back member, the links of each pair extending in angular relation when the housing associated therewith is attached to the ends of said posts, spring means cooperable with each pair of links and urging said first links in opposite directions, and urging said housings, when detached from the ends of said posts, outwardly from said posts, the links of each pair being arranged to assume a substantially straight line relation when the housing associated therewith is detached from the posts, and means shiftable into and out of engagement with each pair of said links and operable when in engagement therewith to prevent said pair of links from assuming a straight line relation.

2,201,027
CYANTHIOFORMAMIDE IN FORMALDEHYDE-UREA MOLDING COMPOSITIONS
David E. Cordier, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application August 2, 1938, Serial No. 222,675
3 Claims. (Cl. 260—71)

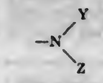
1. A thermosetting molding composition comprising a formaldehyde-urea reaction product and cyanthioformamide as a latent accelerator.

2,201,028
MOLDING COMPOSITION
David E. Cordier, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application September 28, 1938, Serial No. 232,225
5 Claims. (Cl. 260—33)

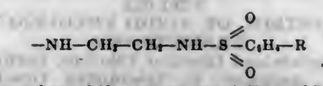
1. A thermosetting molding composition comprising a formaldehyde-urea reaction product and a plasticizer selected from the group consisting of organic compounds of the general formula



in which R is a member of the group consisting of H and CH_3, X is a member of the group consisting of

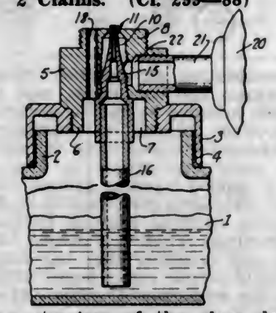


and



Y is a member of the group consisting of hydroxyethyl, hydroxypropyl, hydroxybutyl and hydroxyamyl, and Z is a member of the group consisting of H, hydroxyethyl, hydroxypropyl, hydroxybutyl and hydroxyamyl.

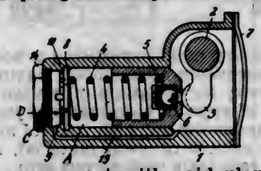
2,201,029
ATOMIZER
Clyde C. Daggett, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application January 20, 1938, Serial No. 185,938
2 Claims. (Cl. 299—88)



2. In an atomizer of the class described, a liquid receptacle, a spray head mounted thereon and having an externally threaded cylindrical extension at its outer end, said extension having a substantially flat outer end with an air discharge passage and a vent passage opening therethrough, said passages respectively having communication with a source of air supply and the interior of the receptacle, a liquid discharge nozzle mounted in said head and having its discharge end projecting through and beyond the outer end of said air discharge passage in spaced concentric relation thereto, the throat of said liquid nozzle being in communication with the interior of said receptacle near its bottom, and a cap for threading over said extension and having an interior yielding sealing member for seating on the outer ends of said extension and liquid nozzle to seal said vent and air discharge passages and said nozzle against leakage.

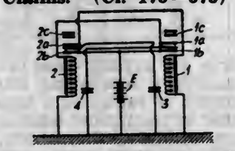
2,201,030
REGULATING VALVE FOR HYDRAULIC SHOCK ABSORBERS
Fritz Albert Deutsch, Berlin-Wilmersdorf, Germany, assignor to Elizabeth S. Oberstadt, Cleveland, Ohio
Application May 12, 1937, Serial No. 142,156
In Germany May 12, 1936
6 Claims. (Cl. 267—8)

1. In a hydraulic device of the character described, a pressure chamber having a plane surface area on the inner wall thereof, a piston operable in said pressure chamber, a discharge aperture in said plane surface area for the passage of liquid displaced by movement of said piston, means for actuating the piston for subjecting the liquid of said chamber to pressure, a compression spring in the pressure chamber adapted to act on the piston to retract the same, a control member held against said plane surface area by said spring and adapted to be forced into



fluid-tight engagement with said plane surface area by the hydraulic pressure created in the pressure chamber by movement of the piston therein, said control member being movable in a plane parallel to said plane surface area when relieved from the pressure of the liquid, and means cooperating with said control member for guiding the movement thereof whereby the free cross-section of the discharge aperture and the hydraulic resistance produced in the device is adjustable.

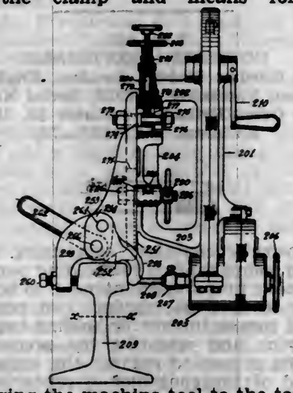
2,201,031
SWITCHING ARRANGEMENT
Edmund Eichelberg, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 19, 1938, Serial No. 241,409
In Germany September 24, 1937
3 Claims. (Cl. 175—373)



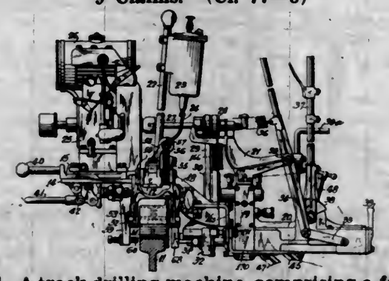
1. A timing circuit including a pair of relays each having an actuating winding and front and back contacts, a condenser associated with each of said relay windings, means for charging each condenser from a source of current through the front contacts of the other relay and means for discharging each condenser through its associated relay winding through the back contacts of the other relay, each of said relays having an ancillary set of contacts adapted to be connected into controlled circuits.

2,201,032
RAILWAY RAIL DRILLING MACHINE
Edward A. Everett, Long Island City, N. Y.; Gustave A. Nelson and William R. Loughridge, executors of said Edward A. Everett, deceased, assignors to Matthew H. Loughridge, Bogota, N. J.
Original application April 12, 1933, Serial No. 665,737. Divided and this application June 12, 1937, Serial No. 148,986
7 Claims. (Cl. 77—8)

1. A support for securing a machine tool to a railway rail, comprising a vertical member having a base resting upon the railhead and its vertical face projecting beyond the plane of the railhead, a pair of spaced depending arms from said base arranged to engage one side of the rail, a clamping member pivoted to said base to engage the opposite side of the rail between said depending arms, a cam pivoted to said base engaging said clamping member to engage or disengage the clamp and means for pivotally securing the machine tool to the top of said vertical member to hang vertically and to swing parallel to the rail for locating the tool in spaced positions from the vertical to operate on the side of the rail.



2,201,033
TRACK DRILLING MACHINE
Edward A. Everett, New York, N. Y., assignor to Nande Corporation, New York, N. Y., a corporation of New York
Application October 16, 1937, Serial No. 169,523
9 Claims. (Cl. 77—8)



1. A track drilling machine, comprising a frame with a drilling mechanism on the transverse centre of the frame for drilling the rail, said frame being supported at two spaced points on the rail and by the ties of the track, means for adjusting the height of the frame relative to the rail at said supporting points, a foot engaging the ties, a pair of links in line with the drilling mechanism pivotally connecting said foot with said frame, means maintaining said links in parallel relation to each other and means for raising and lowering said foot relative to the frame.

2,201,034
RUBBER HYDROCHLORIDE COMPOSITION
Erich Gebauer-Fuelnegg, deceased, late of Evanston, Ill., by Marie Gebauer-Fuelnegg, administratrix, Evanston, Ill., and Eugene W. Moffett, Chicago, Ill., assignors to Marbon Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 10, 1936, Serial No. 115,263
16 Claims. (Cl. 91—68)

1. A composition of matter comprising a rub-

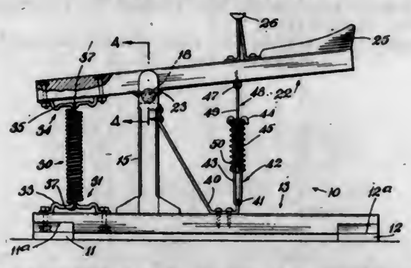
ber hydrohalide and a substance from the group consisting of chlorinated diphenyl, chlorinated diphenyl ether and chlorinated naphthalene.

2,201,035
COSMETIC CONTAINER
Ida Gordon-Stables, London, England
Application November 6, 1939, Serial No. 302,989
In Great Britain November 10, 1938
3 Claims. (Cl. 132—79)



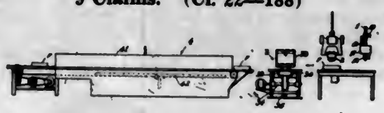
1. A cosmetic container comprising two self-contained compartments for holding pans of eyelash cosmetic preparation intended to be used alternately to facilitate drying, two central self contained compartments for holding two brushes for applying and removing the preparation, a magnifying mirror to enlarge the eyelash fixed in the lid of the container, a protecting damp proof embossed disc for keeping the mirror free from the cosmetic.

2,201,036
SEESAW
Edwin J. Guerrier, New Orleans, La.
Application February 13, 1939, Serial No. 256,162
1 Claim. (Cl. 272—55)



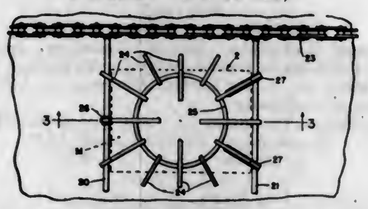
In a seesaw, a base, a post fixed thereto and extending upwardly therefrom, a member pivoted mediately the ends thereof to the upper end of said post, a bracket attached to the upper side of said base, forwardly of the post, and provided with a plurality of humped portions, a similar, symmetrically disposed bracket attached to the underside of said pivoted member, and likewise provided with a plurality of humps, a spring interconnecting said brackets and having hooked portions at the ends thereof selectively engaging said humps, a seat on the rear end of said pivoted member, a handle fixed to said pivoted member forwardly of the seat and extending upwardly therefrom, a bracket interconnecting the portion of the base rearwardly of the post, with the upper end of said post, said bracket being formed with an opening, a U-shaped member engaging said opening and having upwardly extending parallel arms formed with downwardly hooked edge portions at their upper ends, an eyelet fixed to the underside of said pivoted member, rearwardly of said post, an inverted U-shaped member on said eyelet and having downwardly extending arms provided at their lower ends with upwardly hooked portions, and a coil compression spring receiving said U-shaped members, and interposed between the hooked shaped portions of the arms of one U-shaped member and the hooked portions of the arms of the other U-shaped member.

2,201,037
MOLDING PROCESS
Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, a corporation of Illinois
Application April 23, 1938, Serial No. 203,872
9 Claims. (Cl. 22—188)



8. A foundry mold comprising a body substantially homogeneous throughout, having therein a casting cavity for reception of molten metal, and composed of gypsum base material incorporating asbestos, honeycombed with voids of at least three times the volume of solid material, and having a smooth, relatively non-porous skin.

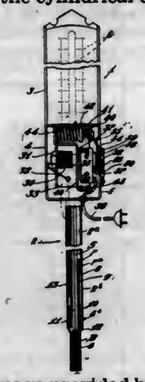
2,201,038
DRYING APPARATUS AND METHOD
Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, a corporation of Illinois
Continuation of application Serial No. 91,897, July 22, 1936. This application May 5, 1938, Serial No. 206,150
9 Claims. (Cl. 34—12)



6. In a drier for gypsum-base molds for use as a casting matrix, a supporting grid including a ring, a plurality of radial bars supported wholly from said ring by their inner ends, and projecting in coplanar relationship thereabove, said bars being engageable with the lower surface of such a gypsum-base mold for local differential sliding relative thereto lengthwise of such bars by shrinking of the mold during drying and outward elongation of the bars by being heated, to prevent adhesion between the mold and said bars.

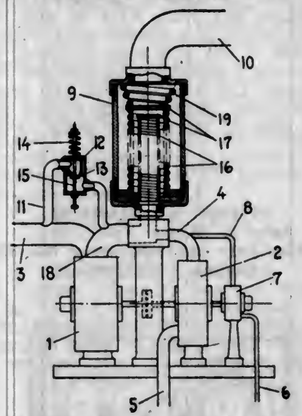
2,201,039
TEMPERATURE RESPONSIVE INSTRUMENT
Elmer H. Hammond, Southport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application November 7, 1938, Serial No. 239,289
10 Claims. (Cl. 200—140)

1. A control device for a pasteurizer, comprising an elongate fluid-tight tubular casing having a smooth, easily cleanable, exterior surface, and means for supporting the casing from its upper part in depending relation within the pasteurizer, partition means within the casing defining two independent closely adjacent chambers in the lower end portion of the casing, each chamber being designed to receive a thermally expansible element, one of said chambers being substantially cylindrical and the other being substantially annular in horizontal section and having a tubular inner wall which provides a fluid-tight passage through said annular chamber, and means defining independent canals leading from the respective chambers to the upper end of the casing, the canal from the cylindrical chamber extending



through the passage provided by the tubular inner wall of the annular chamber.

2,201,040
PRODUCTION OF FIRE EXTINGUISHING FOAM
Hans Frithjof Hansen-Ellehammer, Hellerup, Denmark
Application February 21, 1939, Serial No. 257,603
In Denmark March 9, 1938
2 Claims. (Cl. 261—35)



1. An apparatus for the production of fire extinguishing foam, comprising a foam-developing appliance, means for pumping foam-producing liquids through said foam-developed appliance, a compressed air motor driving said pumping means, a supply pipe for said motor, and a pipe connecting the air exhaust of said motor to said foam-developing appliance.

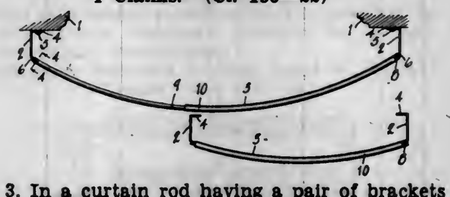
2,201,041
FATTY DERIVATIVES OF ALKYLATED AMINES
Jacob Katz, Providence, R. I., assignor to Warwick Chemical Company, West Warwick, R. I., a corporation of Rhode Island
No Drawing. Application March 1, 1938, Serial No. 193,262
4 Claims. (Cl. 134—18)

2. A process of giving yarns and woven and knitted fabrics an improved soft hand and a suede-like finish which comprises treating such fabrics with an aqueous bath containing between 0.05% and 2.0% of a combination of two mols of stearic acid and one mol of diethylene triamine.

2,201,042
REDUCING COMPOSITION USEFUL FOR TEXTILE PRINTING, DYEING, AND OTHER PURPOSES
Jacob Katz, Providence, R. I., assignor to Warwick Chemical Company, West Warwick, R. I., a corporation of Rhode Island
No Drawing. Application August 29, 1939, Serial No. 292,411
14 Claims. (Cl. 8—34)

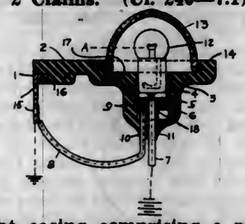
1. A textile coloring composition comprising a vat dye and a reducing composition formed by the reaction of a water soluble carbo-hydrate and a reducing sulphur acid salt at a temperature varying between about 50 and 150° C., and a pressure varying about between ½ and 15 atmospheres.

2,201,043
EXTENSION CURTAIN ROD DISCOVERY
Guy W. Kirsch, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application May 23, 1938, Serial No. 209,526
4 Claims. (Cl. 156—22)



3. In a curtain rod having a pair of brackets adapted to be attached to a window casing, a pair of hook members disposed in vertically alined relationship on each bracket, a pair of relatively flat telescoping sheet metal rod sections identically curved flatwise into circular arcs forming a curtain rod bowed horizontally away from a line between said brackets, and means for pivotally connecting the upper and lower edges of the free ends of said rod sections forming the ends of said curtain rod to said hooks of said brackets and bowed outwardly away from the window casing to which the brackets are fastened in use comprising alined apertures in the upper and lower edges of said ends adapted to pivotally fit over said hooks, whereby said rod will be held against twisting and sagging from the horizontal position with its flat portions vertically disposed regardless of the spacing of the brackets within the extension limits of the curtain rod.

2,201,044
LIGHT CASING
Jesse D. Langdon, La Canada, Calif.
Application November 26, 1935, Serial No. 51,652
2 Claims. (Cl. 240—7.1)



1. A light casing comprising a resilient body formed with a flat front face and having a lens recess in said flat face, a bracket projecting from said flat face and integral with said body, the rear of said body having a rearwardly extending protuberance thereon integral with the body, a

socket cavity in said protuberance opening in the front of said body and with the rear of said socket cavity located within the protuberance, the flat face surrounding said lens recess being formed to provide a bezel for retaining a lens in said lens recess, said bezel being adapted to be retracted from one side of a lens inserted in said lens recess by flexing said casing body with respect to said bracket within the elastic limits of the material of the casing.

2,201,045
LIGHTING DEVICE
Ernest R. Lundstrom, Worcester, Mass.
Application September 21, 1938, Serial No. 231,063
2 Claims. (Cl. 240—10)



1. A flexible electric power supply extension adapted for spiral disposal about a body and comprising coextending insulated conductors fashioned with end sections and a plurality of spaced pairs of socket members between said sections, said socket members of each pair isolated relative to each other and arranged to yieldably receive spaced headed prongs of a connector for a group of electric lamps, one of said end sections provided with a portion equipped with spaced fastener elements for locking engagement with each other when said portion is disposed about said body whereby to maintain said last mentioned end section connected to the latter, and means secured to said other end section for securing the latter to said body.

2,201,046
SELF-OILING SWING HOOK
Fremont H. McLain, Wellsville, Ohio
Application April 22, 1938, Serial No. 203,712
1 Claim. (Cl. 248—341)



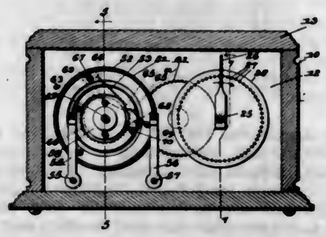
A hook having an eye with an internal substantially disk-like cam connected to the rim of the eye by a narrow neck, and a hanger provided with a lubricant receptacle to receive the cam and lubricant, whereby to form a self-lubricating bearing in which the hook is adapted to swing.

2,201,047
STRUCTURAL MEMBER AND METHOD OF MAKING SAME
Clarence H. Moore and James G. Moore, Jacksonville, Fla., assignors to The Aetna Iron & Steel Co., Jacksonville, Fla., a corporation of Florida
Application December 1, 1938, Serial No. 243,427
8 Claims. (Cl. 29—155)



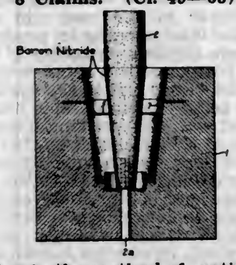
6. The method of reinforcing a metal structural member, said member comprising a flange and a web, said method comprising applying a metal plate to the inner face of said flange with the inner edge of said plate in spaced relation to said web and the outer edge of said plate adjacent the outer edge of said flange, welding said edge to said flange within the space existing by reason of said spaced relation, the weld being confined to a disposition between said inner face of the flange and the plane of the outer face of said plate, welding the outer edge of said plate to said flange, applying a second metal plate to the exposed face of the first with the inner edge of the second plate abutting said web and its outer edge adjacent the outer edge of the first plate, and welding said abutting edge to said web and the outer edge of said second plate to the first plate.

2,201,048
TIMING MECHANISM
John R. Moore, Tyler, Tex.
Application July 19, 1938, Serial No. 220,156
3 Claims. (Cl. 200—3)



1. A controlling mechanism for electrical devices comprising a disc provided with a flat portion, means rotating the disc once every twelve hours, operative connections between the disc and the rotating means said connections including a wheel having spaced pins and a spring finger connected to the rotating means, the free end of the finger being located between a pair of the pins, a second disc, means for manually rotating the second disc independently of the first disc, a circuit closer carried by the second disc and, means on the first disc for opening the closer for a predetermined period, and means for indicating the angular position of the second disc and means for positioning the opening means on the second disc in accordance with a predetermined time of the day.

2,201,049
GLASS FABRICATION PROCESS AND MOLD
Roy W. Moore, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 13, 1939, Serial No. 299,296
8 Claims. (Cl. 49—65)

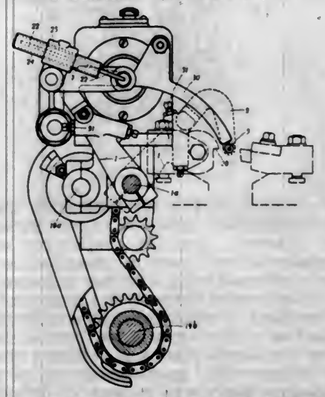


1. The step in the method of casting fluid glass into contact with a solid receiving surface to which glass will normally adhere which consists in interposing a layer of boron nitride between said receiving surface and said fluid glass.

2,201,050
PROCESS FOR PRODUCING CARBONACEOUS MATERIAL
Alfred Oberle, Edgemoor, Md.; Grace Oberle administratrix of said Alfred Oberle, deceased
No Drawing. Original application August 11, 1928, Serial No. 299,100. Divided and this application April 17, 1933, Serial No. 666,629. Renewed September 28, 1939
5 Claims. (Cl. 252—3)

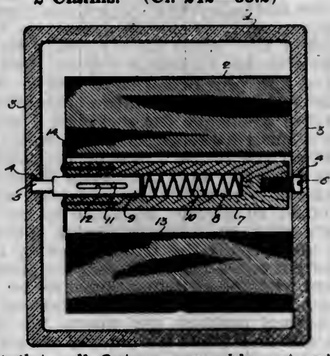
4. The process of treating carbonaceous material which comprises subjecting the carbonaceous material to treatment with superheated steam under superatmospheric pressure, releasing the pressure, and subjecting the treated material to a vacuum treatment.

2,201,051
AUTOMATIC LATHE
William Ogilvie, Knowle, England, assignor to B. S. A. Tools Limited, Birmingham, England, a British company
Application April 1, 1939, Serial No. 265,566
In Great Britain April 2, 1938
4 Claims. (Cl. 29—51)



1. In an automatic lathe of the kind herein specified, the combination with a rocking and reciprocating arm operative to pick up and transfer a partly formed work piece from a first to a second working station, of means for effecting two operations at said second station, comprising a rotatable hollow shaft carrying means for holding a work piece, a rod slidably mounted in said hollow shaft, a tool carried on one end of said rod and adapted to operate on the work piece held by said hollow shaft from the rear side of said work piece, a slide bar mounted on the lathe and having a bracket thereon connected to one end of said tool carrying rod, a screw tap mounted non-rotatably on the other end of said slide bar and arranged to operate on the work piece from the front side thereof, and means for reciprocating said slide bar to bring said tool into operative engagement with the rear part of the work piece held by said hollow shaft, retract said tool from said work piece, and then bring the non-rotatable screw tap into operative engagement with the work piece held by said hollow shaft.

2,201,052
TOILET ROLL SUPPORT FOR RECESSED WALL FIXTURES
Philip D. Parsons, Swarthmore, Pa., assignor to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania
Application February 8, 1938, Serial No. 189,437
2 Claims. (Cl. 242—55.2)



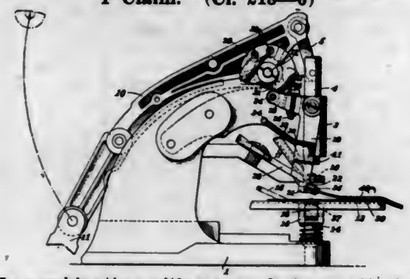
2. A toilet roll fixture assembly comprising a receptacle of a shape adapted to receive therein a standard size roll of toilet paper and having top, bottom, rear and side walls and an open front, said side walls having aligned recesses therein; a spindle adapted to support a standard size toilet roll and comprising relatively movable inner and outer telescoping parts providing for axial expansion and contraction of said spindle, the opposite ends of said spindle formed respectively by said telescoping parts, being supported respectively in the recesses in the side walls of said receptacle; a spring confined between said parts and normally retaining the spindle in axially expanded condition; and a flange on the outer part of said spindle remote from the wall supported end of said outer part and spaced from the wall supporting said end a distance somewhat less than the axial dimension of a standard size toilet roll adapted to be supported on the outer part of said spindle, whereby said toilet roll, when mounted on said spindle and placed within the receptacle with the opposite ends of the spindle supported within the recesses in the side walls, is axially and resiliently confined by the spring between the flange and the side wall in which the end of the outer part of said spindle is supported, thereby holding the roll against free rotation in the receptacle.

2,201,053

SNAP FASTENER ATTACHING MACHINE

Frederick H. Peterson, Watertown, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut

Application May 7, 1938, Serial No. 206,664
1 Claim. (Cl. 218—6)



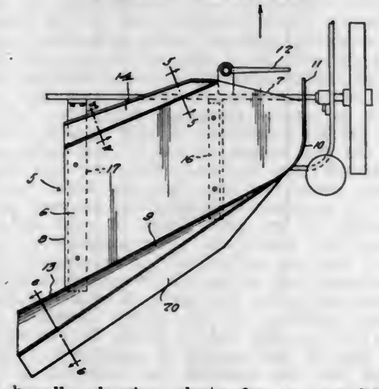
In combination with a snap fastener attaching machine having a plunger, a bearing for the same, an oscillating lever for operating said plunger, a fastening station for supporting the stud of a snap fastener, means for holding a washer for clenching the stud to a garment; together with a bell-crank shaped guide and kick-out member secured to said bearing, the upper arm of the said bell-crank shaped guide and kick-out member being in close proximity to the forward end of said oscillating lever, said guide and kick-out member including a guide foot at its lower end and provided with a groove, the foot normally extending beneath the plunger and being adapted to engage the socket of a snap fastener previously attached to the garment, a cam mounted on the forward end of said oscillating lever for operating said bell-crank shaped guide and kick-out member when said lever operates said plunger to thereby push the socket out of alignment with the plunger during the descent thereof and permit the plunger during the descent thereof to attach the stud to the garment in alignment with the aforementioned socket, means for returning the said guide and kick-out member to normal position, and means for aligning the foot with relation to the plunger when the foot is in its normal position.

2,201,054

BUNDLE CLEARING CHUTE

Earl Reeder, Portland, Oreg.

Application December 15, 1938, Serial No. 245,992
1 Claim. (Cl. 56—68)



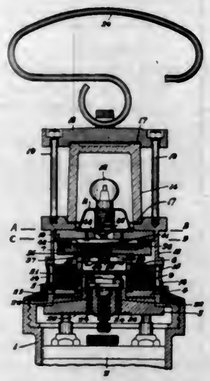
A bundle clearing chute for a corn binder, said chute comprising a bottom, an end wall rising from one end of the bottom, the other end of the chute being open, a front side wall and a rear side wall rising from the bottom, the end wall and said front side wall being spaced apart to form an inlet opening at the front side of the chute adjacent the closed end, brackets for connecting the chute to the rear end of a corn binder with the inlet opening in position receiving bundles from the delivery means of the binder and with the bottom of the chute sloping downwardly from the closed end to the open end, said rear side wall being of considerable height where it joins the end wall for receiving upper portions of the bundles as they fall over as they enter the chute and said rear wall having its top sloping downwardly from said high part to the end of the wall at the open end of the chute and said wall having a sloping top curving rearwardly to form a wide part down which the upper portion of a bundle slides which causes the bundle to lie upon the bottom of the chute with its top projecting from the open end thereof and engaging the ground, the lower end of the rear side wall projecting beyond the open end of the chute to cooperate with the forward movement of the machine and engagement of the top of a bundle with the ground to turn the bundle as it falls upon the ground with the butt toward the direction of travel of the machine and the bundles out of the return path of the machine, said front side wall sloping upwardly and forwardly and of short height.

2,201,055

APPARATUS FOR INDICATING THE PRESENCE OF INFLAMMABLE VAPORS OR GASES

Henry Thomas Ringrose, West Park, Leeds, England

Application July 27, 1937, Serial No. 156,003
In Great Britain August 1, 1936
2 Claims. (Cl. 177—311)



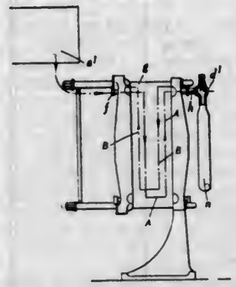
1. An electrical device for indicating the presence of inflammable gases or vapors including a pressure chamber, pressure responsive selective signal means in said pressure chamber, a porous chamber communicating with the pressure chamber, an incandescent filament in the porous chamber for burning combustible gases diffusing into said vessel so as to create a vacuum therein for operating the signal means to indicate the presence of inflammable gases in excess of a predetermined quantity, and means for delaying the equalization of the pressures between the pressure chamber and the porous chamber for testing purposes.

2,201,056

APPARATUS FOR PASTEURIZING LIQUIDS

Richard Seligman, Point Pleasant, Wandsworth, London, England, assignor to The Aluminum Plant & Vessel Company Limited, Point Pleasant, Wandsworth, London, England, a British company

Application October 13, 1939, Serial No. 299,372
In Great Britain November 9, 1938
2 Claims. (Cl. 261—15)



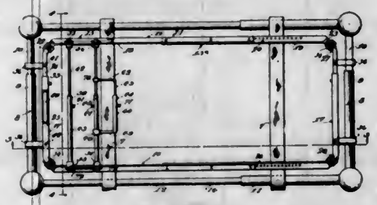
1. Means for pasteurizing liquids by the direct admission of steam, comprising a heat exchanger provided with an inlet for the liquid to be pasteurized, passages in the heat exchanger for the liquid to be heated, other passages in the heat exchanger for the flow of heated liquid in heat exchange relationship with the liquid to be heated, a liquid outlet, a steam injector external to the heat exchanger and connected with the liquid outlet of the heat exchanger, said steam injector serving to inject steam directly into the liquid and also to draw the liquid through the first-mentioned passages in the heat exchanger, and means connecting the discharge of the steam injector with said other passages in the heat exchanger whereby the mixture of heated liquid and condensed steam discharged from the injector is forced by the latter back through the heat exchanger in heat exchange relationship with the liquid passing to the injector for heating.

2,201,057

CASKET PLACER

Joseph Robert Smetana, Sedalia, Mo.

Application July 26, 1939, Serial No. 286,710
6 Claims. (Cl. 27—26)



1. A casket placer for use in connection with a casket lowering device having lowering belts, said placer including a flat rectangular frame providing parallel tracks lengthwise thereof, oppositely disposed spaced means extended laterally from the frame adapted to be detachably connected to said device for suspending the frame above and in inwardly disposed relation with respect to the said device, a carriage travelling on said tracks, and an arrestor bodily carried by and extended forwardly from the carriage.

2,201,058

METHOD OF SEPARATING CLOSURE MEMBERS STAMPED FROM A BAND

Willy Stäubli, Zurich, Switzerland

Application July 12, 1938, Serial No. 218,771
In Switzerland July 13, 1937
5 Claims. (Cl. 29—66)



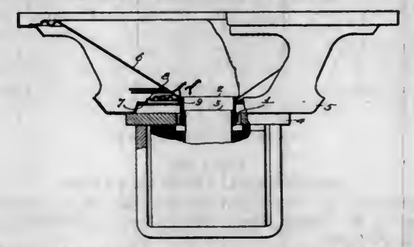
1. Method for detaching closure parts, which are capable of being broken away and which are stamped on both side edges of a sheet metal band and are provided at their free ends with heads, from the band, consisting in passing the sheet metal band positively between rollers which bend the parts more and more relatively to the band and then separate the parts from the band by pressure upon the said heads, the band and the parts being clamped during the detachment.

2,201,059

LOUD-SPEAKER

Ingo L. Stephan, Beverly, N. J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application December 14, 1937, Serial No. 179,748
8 Claims. (Cl. 179—115.5)



1. In a sound reproducing device having a magnetic system including an air gap, a voice coil disposed in said air gap, a speaker cone operatively connected to said voice coil to be actuated thereby, and an annular supporting and centering element also operatively connected to the voice coil and provided with a portion intermediate its inner and outer edges having an upwardly arched substantially concavo-convex radial cross section shape, said concavo-convex portion of the element when expanded by the action of moisture being operative to introduce a force which tends to oppose the tendency of the cone to displace the voice coil from said air gap when similarly expanded.

2,201,060

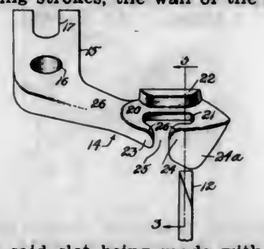
WORK SUPPORT FOR STITCHING MACHINES

John G. Terzian, West Medford, Mass., assignor of one-half to Nishan G. Terzian, West Medford, Mass.

Application February 15, 1939, Serial No. 256,402
2 Claims. (Cl. 112—62)

1. A needle plate for use in curved-needle sewing machines, presenting a smooth work supporting top surface over which the work is adapted to be fed, said plate having a supporting arm

laterally off-set so as to be out of the path of the work, said plate formed with a slot substantially elongated in the direction of work feed, and through which the curved-needle and awl of the machine respectively move down and up in their work piercing strokes, the wall of the plate out-



ward from said slot being made with a lateral clearance passageway for the needle that is directly in front of the normal path of the needle, but through which the needle is free to pass when it is descending in a forwardly deflected condition, said passageway extending from the top to the bottom of said outer wall.

2,201,061
STABILIZING OF OIL
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application June 8, 1938, Serial No. 212,599
16 Claims. (Cl. 99—163)

1. The process of stabilizing glyceride oil products prepared from oils having fatty acid radicals containing more than two double bonds, which comprises, adding to said product a vegetable phosphatidic material of which the fatty acid radicals of the phosphatides contained therein have no more than two double bonds.

2,201,062
MEDICINAL PREPARATION
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application June 14, 1938, Serial No. 213,701
10 Claims. (Cl. 99—163)

1. A substantially tasteless and odorless medicinal preparation, which comprises, a product prepared or derived from fish oil in admixture with a small proportion of a vegetable phosphatidic material free from fatty acid radicals of greater unsaturation than two double bonds, said product being stable against reversion to the original flavor of said oil before substantial rancidity occurs.

2,201,063
SHORTENING
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application August 1, 1939, Serial No. 287,839
6 Claims. (Cl. 99—123)

1. As a new product of manufacture, shortening capable of being employed in baked products having high ratios of sugar to flour which comprises shortening prepared from a refined glyceride oil in admixture with a small proportion of vegetable phosphatidic material free from fatty acid radicals having more than two double bonds, said phosphatidic material having been isolated from crude vegetable oils free from fatty acid radicals having more than two double bonds and being concentrated and substantially free of deleterious ingredients.

2,201,064
PHOSPHATIDE COMPOSITION
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application August 5, 1939, Serial No. 288,685
10 Claims. (Cl. 99—15)

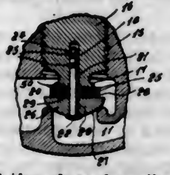
1. In combination, a food product, and a vegetable phosphatidic material incorporated therein, said vegetable phosphatidic material being free of fatty acid radicals of higher unsaturation than linoleic acid and which has been isolated from crude vegetable oils free from fatty acid radicals having more than two double bonds and being concentrated and substantially free of deleterious ingredients and being stable against oxidation and against the production of an unpalatable flavor and odor.

6. In combination with edible chocolate containing fatty material and water, a small amount of vegetable phosphatidic material free from fatty acid radicals of greater unsaturation than linoleic acid and which has been isolated from crude vegetable oils free from fatty acid radicals having more than two doub'e bonds and being concentrated and substantially free of deleterious ingredients dispersed therein to retain the water admixed with said fatty materials, said phosphatidic materials being free of deleterious odors and flavors whereby a substantial quantity may be employed in said product.

6. In combination with edible choco'ate compositions, a small amount of vegetable phosphatidic material free from fatty acid radicals of greater unsaturation than linoleic acid and which has been isolated from crude vegetable oils free from fatty acid radicals having more than two double bonds and being concentrated and substantially free of deleterious ingredients incorporated therein to retard graying and blooming and to increase the covering power without imparting a deleterious odor or taste thereto.

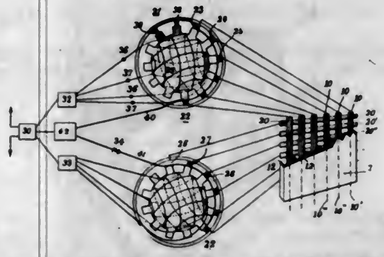
8. In combination with a dessert food product, a small amount of vegetable phosphatidic material free of fatty acid radicals of higher unsaturation than linoleic acid and which has been isolated from crude vegetable oils free from fatty acid radicals having more than two double bonds and being concentrated and substantially free of deleterious ingredients, to improve the texture of said food product.

2,201,065
FAUCET ADAPTER
James J. Toolan, Schenectady, N. Y.
Application September 1, 1938, Serial No. 228,025
3 Claims. (Cl. 251—44)



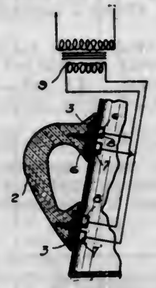
1. A device of the class described comprising a pin having a head at one end thereof, said pin being provided adjacent its opposite end with a plurality of spaced annular grooves forming a plurality of spaced frangible collars, said pin being adapted to connect a faucet valve head and stem, and a plurality of washers carried by the pin for spacing the valve head and stem, the thickness of said washers being substantially equal to the thickness of the collars, and the number of washers and collars used varying proportionately.

2,201,066
SCREEN TELEVISION RECEIVER
Pierre Marie Gabriel Toulon, Puteaux, France
Application July 1, 1937, Serial No. 151,521
In France July 9, 1936
5 Claims. (Cl. 178—7.3)



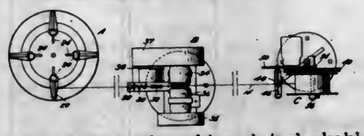
1. Screen for the reception of television images comprising a frame, a multiplicity of light diffusing electro-optical elements diffusing the light which falls on them arranged in juxtaposition on said frame so as to form a surface on which the moving image may be observed directly, individual electric connections for each of said electro-optical elements for applying the image signals thereto, and a unilaterally conductive device interposed in each of said connections in series with the element supplied by said connection and forming an integral assembly with said electro-optical element.

2,201,067
METHOD OF MAKING METAL ARTICLES WITH HANDLES
Virgil W. Whitmer, Canton, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application February 9, 1939, Serial No. 255,471
5 Claims. (Cl. 219—10)



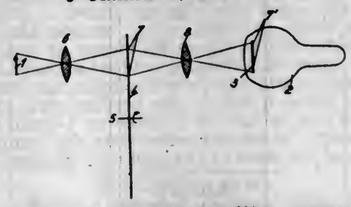
1. The method of attaching a non-metallic handle to a thin metal article which comprises the steps of attaching to the end of such a handle a metal member having projections, pressing such projections with welding pressure against one surfase of such an article, and passing welding current thru said article and said projections in series to form a weld between said member and said article.

2,201,068
MANUFACTURE OF SLIDE FASTENERS
George Wintritz, Staten Island, N. Y., assignor to Conmar Products Corporation, Bayonne, N. J., a corporation of New Jersey
Application June 22, 1938, Serial No. 215,180
54 Claims. (Cl. 153—1)



1. The method of making interlockable elements for a slide fastener, which includes the step of preliminarily pressing and thereby deforming, without cutting, the entire length of a long continuous strip of uniform wire stock to form a connected series of embryo fastener elements therefrom, each of said embryo elements comprising a solid embryo head and widely divergent embryo jaws, the head being narrow and adapted to interlock with the heads of adjacent elements when the elements are mounted on the slide fastener, and the embryo jaws diverging outwardly from the embryo head, said connected elements being arranged longitudinally of the strip in end to end relation with the divergent embryo jaws pointing generally toward one end of the strip, there being substantially no waste material outside the embryo jaws of the elements.

2,201,069
METHOD OF AND MEANS FOR TELEVISION TRANSMISSION
Hanns-Heinz Wolff, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application December 4, 1936, Serial No. 114,161
In Germany December 10, 1935
9 Claims. (Cl. 178—7.2)

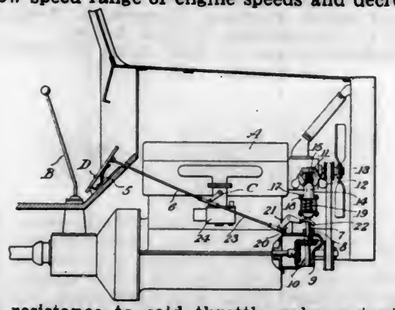


1. In a television transmitter comprising a cathode ray tube having a photo-electric mosaic upon which the image to be transmitted is projected and which is scanned by a cathode ray, means to illuminate each element of said mosaic only for a small part of an image change period and to scan it immediately thereafter, said means consisting of an obturating diaphragm rotating synchronously with the scanning, said diaphragm having a plurality of elongated apertures being so arranged as to uncover at once at least one of the image lines.

2,201,070
ENGINE THROTTLE CONTROL
Tim Zintsmaster, Cleveland Heights, Ohio
Application January 11, 1938, Serial No. 184,493
3 Claims. (Cl. 264—3)

1. A speed responsive device for an engine having a throttle valve actuating means, comprising rotary means driven by the engine, speed responsive means actuated by said rotary means

for offering a resistance to throttle control movement in the throttle opening direction within a low speed range of engine speeds and decreas-



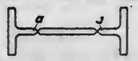
ing resistance to said throttle valve actuating means with increase in engine speed, and connections between the last named means and the said throttle valve actuating means.

2,201,071

METHOD OF PRODUCING IRON GIRDERS AND VERY LARGE T-SECTION IRON

Justin Baugnée, Niederkorn, Luxemburg, assignor to the firm Hauts Fourneaux & Acieries de Differdange - St. - Ingbert - Rumelange Société Anonyme, Luxemburg, Luxemburg

Application August 11, 1937, Serial No. 158,615
In Luxemburg August 18, 1936
7 Claims. (Cl. 29—155)



1. In a method of producing wide-flange I-beams having a considerable height of the web, the steps which consist of shaping blocks of material in a hot rolling process into wide-flange I-beams, indenting the said web longitudinally during the rolling operation, passing the beam between shearing rolls to separate the beam longitudinally into half-beams having straight beveled edges to their webs, moving the said half-beams into contact by means of the said beveled edges with straight beveled edges of a flat iron section, and thereupon welding the beveled edges of the said webs to the beveled edges of the said flat iron section to produce an I-beam having a height which is greater than the combined heights of the webs of the said half-girders.

2,201,072

ALLOY STEEL

Edgar F. Blessing, Short Hills, N. J., assignor to Chas. W. Guttzeit, New York, N. Y.

No Drawing. Application November 11, 1937, Serial No. 174,009
14 Claims. (Cl. 75—128)

1. A forgeable steel characterized by being substantially stable against decarburization and demolybdenization at its hot working and hardening temperatures comprising as its principal alloying ingredients approximately 8.50% molybdenum, 8.50% chromium, 1% tungsten, 4% cobalt, 0.75 to 1.50% vanadium and 0.30 to 0.65% carbon, with the remainder substantially all iron.

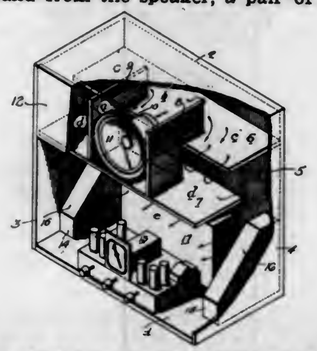
2,201,073

HORN TYPE LOUD-SPEAKER

Lloyd J. Bobb, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application March 11, 1939, Serial No. 261,357
In Great Britain March 25, 1938
4 Claims. (Cl. 181—31)

1. A sound reproducing apparatus, comprising a cabinet having front and rear panels, said front panel having at least two openings therein, a pair of vertically-spaced horizontal baffles within said cabinet, the lower one of said baffles extending from the front of said cabinet rearwardly and terminating in a rear edge spaced from the rear of the cabinet, the upper baffle extending from the rear of said cabinet toward the front of said cabinet and terminating in a front edge spaced from the front of the cabinet, a loud-speaker disposed above said lower baffle in front of said upper baffle adjacent one of said openings at the front of the cabinet for emitting sound from the speaker, a pair of vertical



baffles arranged on opposite sides of said loud speaker to form a speaker compartment and extending rearwardly above said upper baffle to direct sounds rearwardly, and a panel extending between said vertical baffles and between said horizontal baffles, the said loud-speaker being characterized by having more efficient response at high frequencies than at low frequencies, and the said baffles being arranged to provide successive sound chambers of increasing cross-sectional area from the rear of the laud-speaker to the other opening in the front of the cabinet whereby to reproduce efficiently the low frequency sounds.

2,201,074

UNSATURATED ETHERS AND METHOD OF MAKING SAME

Edgar C. Britton and Harold R. Slagh, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application January 28, 1939, Serial No. 253,381
13 Claims. (Cl. 260—615)

1. An unsaturated ether having the general formula:

R—O—Y—O—Y'—OR'

wherein R and R' each represents a radical of the class consisting of allyl and 2-methyl-allyl radicals and Y and Y' each represents a lower alkylene radical.

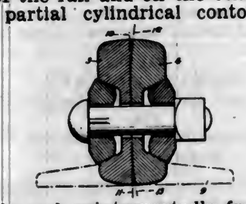
2,201,075

RAIL JOINT

Alfred Nathan Brogden, Blackpool, England

Application January 20, 1938, Serial No. 185,995
In Great Britain January 26, 1937
3 Claims. (Cl. 238—231)

1. A rail having a relatively short portion at its end of reduced width throughout its length from head to flange, presenting on one side a surface in continuity with the normal outer surface of the rail and on the other side a surface of partial cylindrical contour extending



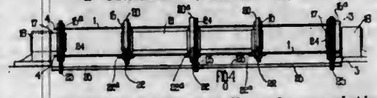
completely and uninterruptedly from the top of the head of the rail to the bottom of its flange.

2,201,076

RAIL JOINT AND APPARATUS FOR FORMING THE SAME

Alfred Nathan Brogden, Blackpool, England

Application April 22, 1939, Serial No. 269,526
In Great Britain January 26, 1937
4 Claims. (Cl. 82—1)



1. A method of shaping rail ends consisting in mounting a number of rails on a cage and cutting opposite sides of the rail ends simultaneously by rotating the cage relatively to cutting tools disposed adjacent to the ends of the rails.

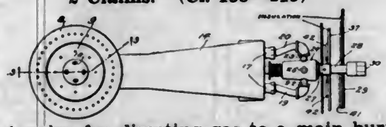
4. A machine for shaping rail ends comprising in combination a plurality of spaced toothed wheels having axial holes for the receipt of rails, means to guide these wheels for rotation about their central axis, means to drive said wheels in synchronism and cutting tools disposed inside and outside of the rail ends when these are carried within the axial holes in the wheels.

2,201,077

GAS BURNER IGNITING MEANS

James E. Browning, San Antonio, Tex., assignor of one-half to Claude V. Birkhead and Werner N. Beckmann, both of San Antonio, Tex., copartners doing business as Birkhead, Beckmann, Stanard & Vance

Application August 17, 1938, Serial No. 225,487
2 Claims. (Cl. 158—115)



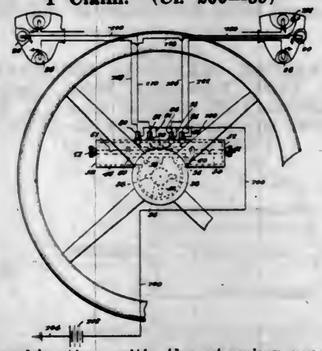
1. A valve for directing gas to a main burner, to an auxiliary burner and to an igniting burner for said main and auxiliary burners; said valve comprising a body having a gas admission port, a main burner feed port, an auxiliary burner feed port, and an igniting burner feed port; and a manually rotatable plug in said body normally occupying a neutral position in which all of said ports are closed, said plug having ports operable when said plug is turned in one direction from a neutral position to first place only said igniting burner feed port in communication with said admission port, to then place both said igniting burner feed port and said auxiliary burner feed port in communication with said admission port, and to finally place only said auxiliary burner feed port in communication with said admission port; said plug having additional ports operable when said plug is turned in the other direction from said neutral position to first place only said igniting burner feed port in communication with said admission port, to then place both said igniting burner feed port and said main burner feed port in communication with said admission port, and to finally place only said main burner feed port in communication with said admission port.

2,201,078

SAFETY LIGHT SWITCH

George H. Bruington, Santa Fe, N. Mex.

Application September 4, 1937, Serial No. 162,481
1 Claim. (Cl. 200—59)



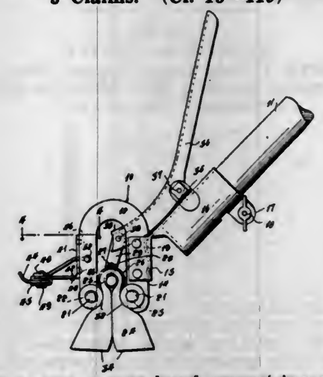
In combination with the steering mechanism of a vehicle, a casing having a slidable rack therein, the outer tooth on each end of the rack being shorter than the centrally disposed teeth, the steering post of the steering mechanism having three cogs thereon disposed 90° apart, the oppositely disposed cogs being shorter than the other cog and in the normal straight line driving position of the steering post the longer cog being disposed in its lowermost position, said cog cooperating with the teeth of the rack for effecting a movement thereof upon rotation of the steering post, spaced pairs of switches in said casing, and a switch trip secured to said rack normally out of engagement with the switches when the steering post is in position for straight line travel of the vehicle and adapted upon movement of the steering post for a right or a left hand turn to selectively actuate each of the pairs of switches.

2,201,079

WRINGER MOP

Henry J. Camden, Jackson, Mich.

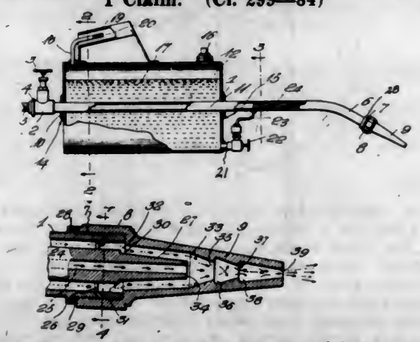
Application May 5, 1938, Serial No. 206,241
3 Claims. (Cl. 15—119)



2. In a mop, a mop head comprising a pair of

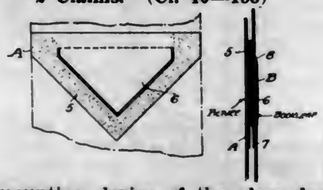
spaced arch shaped members having depending ends provided with openings, a plate secured to corresponding sides of said arch shaped members, a socket member projecting upwardly and outwardly from the plate and adapted to removably engage a handle, spaced wringer members journaled in the openings and forming a restricted slot, a clamping member, a compressible mopping element supported thereby and having its ends depending downwardly through said slot, a lever pivotally mounted on the socket, and a link connecting the clamping member and lever to move the mopping element through said slot, said mopping element being compressed by said wringers.

2,201,080
PRESSURE CLEANING APPARATUS
Paul A. Clark, Davenport, Wash., assignor to Thomas Oldt Gutelius, Rome, N. Y.
Application December 24, 1938, Serial No. 247,698
1 Claim. (Cl. 299—84)



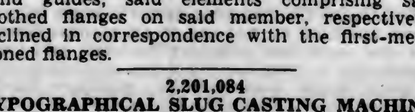
Pressure cleaning apparatus comprising in combination with a reservoir for cleaning fluid, a pressure conveying conduit extending through said reservoir and terminating in a spaced discharge position, a fluid conveying tube connected with said reservoir and concentrically disposed within said conduit with the end of said tube projecting from the end of said conduit, and an atomizing nozzle on the end of said conduit and enclosing the end of said tube, the interior wall of said nozzle and the external surface of the end of said tube being tapered centrally and coacting to produce predetermined velocity of air delivered by said conduit, said nozzle having successive chambers therein of gradually changing diameters adjacent the end of said fluid conveying tube for intermixing particles of cleaning fluid delivered by said tube with the air delivered by said conduit.

2,201,081
RETAINING DEVICE
Lewis Clifton Culp, Eugene, Oreg.
Application March 4, 1939, Serial No. 259,914
2 Claims. (Cl. 40—158)



1. A mounting device of the class described capable of securing pictures to the leaves of picture albums and embodying tabs capable of being adhesively secured to the pictures and to the album leaves, respectively, one of said tabs having a tongue and the other of said tabs having a slot to receive said tongue to interlock the same and hold the pictures securely in place.

2,201,082
TROLLING SINKER
Joe Dobbins and Charles F. Hacker, Pensacola, Fla.
Application September 1, 1938, Serial No. 228,034
5 Claims. (Cl. 43—52)



1. A trolling sinker comprising a non-buoyant body portion, said body portion having an enlarged head and a tail and tapering from its enlarged head to its tail, the forward and upper portion of said head being provided with an inclined concave face to normally direct the body portion downwardly when drawn through the water, a rod projecting outwardly and upwardly from said inclined concave face and adapted to be connected at its upper end to a fishing line, and means projecting from the opposite end of said body portion and adapted to be connected to a lure.

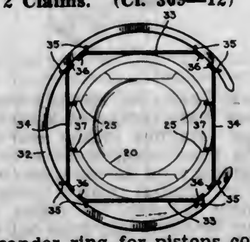
2,201,083
GRAIN SIEVE
Andrew Evenson, Canby, Minn., assignor of thirty per cent to Sam K. Nomeland, Porter, Minn.
Application May 2, 1939, Serial No. 271,334
2 Claims. (Cl. 209—398)

1. A sieve comprising a stationary frame including a bottom provided therein with parallel laterally spaced slots extending from side to side thereof, and a plate-like member in said frame slidable therein over said bottom and being provided with slots therein similar to the first-mentioned slots and registerable with the latter under sliding of the member, flanges on said member extending along the slots thereof, respectively, on one side of said slots and from end to end thereof and inclining downwardly through the slots of said frame to provide oblique depending wind guides, and raised elements on said member extending along the slots thereof, respectively, from end to end of said slots and on the other side thereof and providing upstanding wind guides, said elements comprising saw toothed flanges on said member, respectively, inclined in correspondence with the first-mentioned flanges.

2,201,084
TYPOGRAPHICAL SLUG CASTING MACHINE
Herman R. Freund, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application February 17, 1940, Serial No. 319,495
19 Claims. (Cl. 199—50)

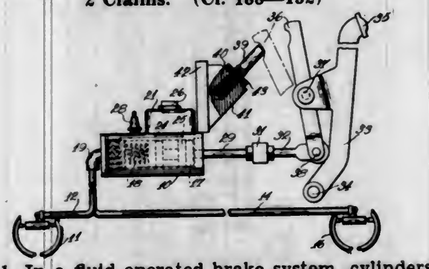
1. In a typographical slug casting machine having a movable vise jaw and adjusting means adapted normally to set said jaw to different line measure positions, auxiliary means cooperative variably with the adjusting means to alter the setting of said jaw at all line measure positions by a given amount and at certain only of such positions by an additional amount, and means for varying at will the cooperative relation between said auxiliary means and the jaw adjusting means.

2,201,085
INTERNAL COMBUSTION ENGINE PISTON
Norman Eugene Girard, Windsor, Ontario, Canada
Application April 13, 1939, Serial No. 267,692
2 Claims. (Cl. 309—12)



1. An expander ring for pistons comprising a split ring, a series of springs disposed around the inner periphery of said ring, each spring consisting of a flat steel band having lugs bent from its ends adapted to engage over the upper and lower edges of said ring, and lugs bent from the band intermediate its length for engagement in an opening in the piston.

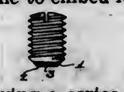
2,201,086
SAFETY HYDRAULIC BRAKE STRUCTURE
Juel F. Guderian, Coquille, Oreg., assignor of one-fourth to James Richmond and one-fourth to Georgia G. Richmond, Coquille, Oreg.
Application June 15, 1939, Serial No. 279,367
2 Claims. (Cl. 188—152)



1. In a fluid operated brake system, cylinders, brake devices operable one from each cylinder, means establishing communication between the cylinders, pistons operable in the cylinders, said means being disposed for closing through movement of one of the pistons to apply the brakes, a lever operable to apply the brakes, and means associated with said lever operable to move the pistons faster than the lever following initiation of movement of the lever.

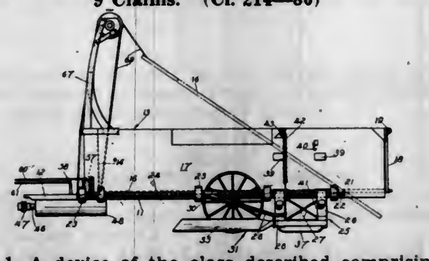
2,201,087
SELF-LOCKING SETSCREW
Howard T. Hallowell, Jenkintown, Pa., assignor to Standard Pressed Steel Co., Jenkintown, Pa., a corporation of Pennsylvania
Application April 28, 1938, Serial No. 204,870
8 Claims. (Cl. 151—37)

1. A self-locking setscrew having an axially disposed cavity in the working tip, said cavity having inwardly convergent walls defining the inner face of a terminal rib adapted when the screw is turned home to embed itself in the work,



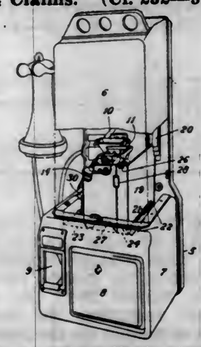
said inner face having a series of small recesses arranged in proximity to the extremity of the tip into which the metal of the work is compressed when the screw is tightened to thereby interlock the screw with the work.

2,201,088
MECHANICAL PITCHFORK
Albert W. Hamon, Skedee, Okla.
Application May 11, 1939, Serial No. 273,109
9 Claims. (Cl. 214—80)



1. A device of the class described comprising a trailer vehicle, power take-off means mounted thereon and disposed longitudinally thereof, a rotatably mounted shaft disposed substantially parallel to the power take-off means, means connecting said shaft and said power take-off means, said means including a clutch, a frame fixed to said shaft and projecting outwardly of one side of said vehicle, and a pitchfork connected to the outer end of said frame and movable by the rotation of said shaft through an arc toward the trailer vehicle.

2,201,089
COIN COLLECTING APPARATUS
Charles Marion Hancock, Wollaston, Mass., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 1, 1938, Serial No. 199,518
4 Claims. (Cl. 232—57.5)



1. A telephone coin collector including an outer housing, a relay assembly within said housing for disposing of coins deposited therein, and an inner housing including a shield of insulating material having three side walls extending about the front and two sides of the relay assembly and being

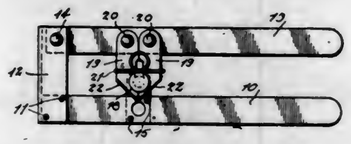
held in resilient engagement within the outer housing and about the relay assembly to prevent the unauthorized operation thereof by instrumentalities inserted through said outer housing.

2,201,090
TEXTILE SPINDLE ASSEMBLY
James Hardy and Richard Arthur Lloyd, Lowestoft, England
Application October 31, 1939, Serial No. 302,244
In Great Britain October 20, 1938
5 Claims. (Cl. 308—169)



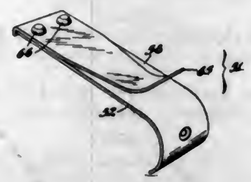
2. In a spindle assembly, a vertical spindle, a vertical bolster wherein said spindle is rotatably mounted, a bolster holder provided with a central bore wherein said bolster is mounted, the wall of said bolster being provided with an aperture extending therethrough near the bottom thereof, said bolster being provided on its external surface with a channel, oil passage means including said channel extending from said aperture upwardly to the top of said bolster, and an impeller carried on said spindle in register with said aperture.

2,201,091
SPLIT-WASHER-REMOVING TOOL
James E. Hehir, Niagara Falls, N. Y.
Application November 10, 1938, Serial No. 239,864
Renewed November 30, 1939
4 Claims. (Cl. 81—3)



1. In a tool of the character described, a head, a handle bar rigid with the head, a handle lever pivoted on the head and co-extensive with the handle bar, cooperating means carried by the handle bar and handle lever for spreading a split-washer and removing the same from a shaft, including a holder on the handle bar for a shaft carrying a split washer, a pair of tensioned split washer spreading and removing jaws carried by the handle lever in transverse alinement with said holder, and means carried by the holder for spreading said jaws when the latter are moved toward the handle bar.

2,201,092
YARN HOLDING DEVICE FOR KNITTING MACHINES
Rudolph Hug, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application January 27, 1938, Serial No. 187,170
8 Claims. (Cl. 66—145)



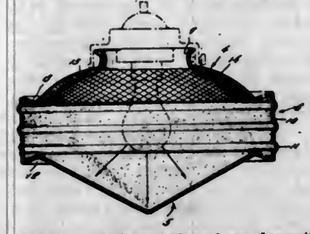
2. A thread holder for knitting machines having an upper plate resting on a lower one along spaced lines, retaining means near one of said lines having loose engagement with said upper plate for holding it on the lower one but arranged to prevent substantial relative horizontal turning movement between the plates, said plates spaced apart between said lines but arranged so that the space between them tapers from the point of widest spacing toward said retaining means.

2,201,093
ILLUMINATING DEVICE
Frank Illo, New York, N. Y., assignor to Frank Illo, Jr., New York, N. Y.
Application March 24, 1939, Serial No. 263,991
2 Claims. (Cl. 240—10.1)



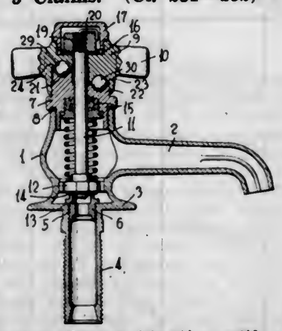
1. In a device of the class described, a pedestal, a vertically arranged post supported by said pedestal, an elongated reflector mounted on said post and including a plurality of vertically arranged lamp compartments, electric lamps in said compartments, a drum surrounding said post and including a gear portion, pinions carried by the pedestal and engaging the gear portion of the drum for rotatably supporting the latter, means connected to one of said gears for the rotation of the drum, said drum including angularly related sides and each side including a plurality of vertically arranged windows adapted to match the lamp compartments during the rotation of the drum, said drum in the window-forming frames of the sides thereof being provided with grooves and slots to permit the insertion of colored light transmitting panels in the windows.

2,201,094
INCANDESCENT LAMP GLOBE
Joseph B. Kassel, Brooklyn, N. Y.
Application February 10, 1939, Serial No. 255,733
2 Claims. (Cl. 240—100)



1. A reflecting globe of the class described comprising one-piece glass enclosure embodying a horizontal concavo-convex prismatic reflector constituting an upper crown portion, an underlying horizontal conical lower basal portion, a vertical outstanding cylindrical rim, said rim being of a diameter greater than the diameters of the crown and the basal portions, and converging annular webs integrally connecting the upper and lower edges of the rim with the adjacent peripheral edges of said crown and basal portions, the upper web being of plain glass, the rim, lower web and conical basal portion being of frosted glass.

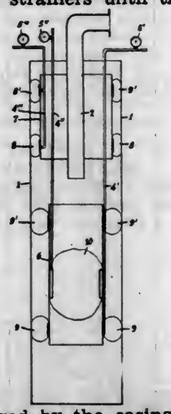
2,201,095
BALL BEARING FAUCET
Tobias J. Kaufman, Chicago, Ill.; Mabelle G. Kaufman, executrix of said Tobias J. Kaufman, deceased, assignor to Eljer Company, Ford City, Pa.
Application February 26, 1938, Serial No. 192,861
5 Claims. (Cl. 251—132)



1. In a valve, the combination with a reciprocating stem, of a stationary part and a rotatable part, means for securing the valve stem to said rotatable part and cam means interposed between said rotatable and stationary parts, said cam means being located in vertically spaced disconnected and independent surfaces.

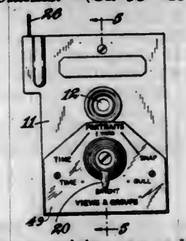
2,201,096
METHOD OF LOCATING AND REPAIRING SUCTION STRAINER DAMAGES IN WELLS
Ernest Kerman, Kfar-Saba, Palestine
Application July 5, 1938, Serial No. 217,441
In Palestine July 7, 1937
5 Claims. (Cl. 166—21)

1. A method of repairing damages inside strainers in wells characterized by the use of inflatable casings surrounding hollow bearers, said casings being connected to thin tubes leading above and out of strainers, said casings being shifted inside the strainers until the damaged



portions are covered by the casings which are then inflated by means of said tubes with liquids or pastes which subsequently solidify.

2,201,097
PHOTOGRAPHIC CAMERA
Arthur William Kingston, London, England, assignor of one-half to Peter Koch De Gooreynd, London, England
Application April 23, 1938, Serial No. 203,862
In Great Britain April 13, 1937
4 Claims. (Cl. 95—45)



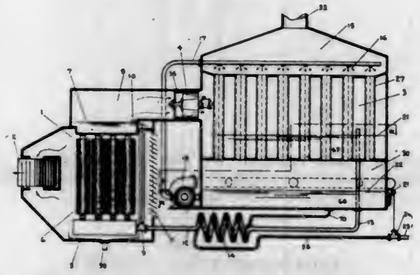
1. A camera comprising an adjustable lens-carrier, a diaphragm-member having a plurality of apertures mounted on the lens-carrier and movable relatively thereto, a movable shutter member, a single control-member for effecting adjustment of the lens-carrier and the diaphragm-member comprising a rotatable shaft, an arm mounted on the shaft and having formed thereon one surface adapted to engage a co-operating surface on the lens-carrier and a second surface adapted to engage a co-operating surface on the diaphragm-member, which co-operating surfaces constitute cams so that rotation of the shaft effects movement of the lens-carrier and diaphragm-member, said shaft also having means thereon for controlling the time operation of the shutter member, the arrangement being such that upon rotation of the shaft there is provided for each shutter speed at least two settings of the aperture and the lens carrier.

2,201,098
PREPARATION FOR CLEANING REMOVABLE DENTURES
Orville E. McKim, Port Chester, N. Y.
No Drawing. Application April 25, 1938, Serial No. 204,254
6 Claims. (Cl. 167—93)

6. A liquid preparation for cleaning removable

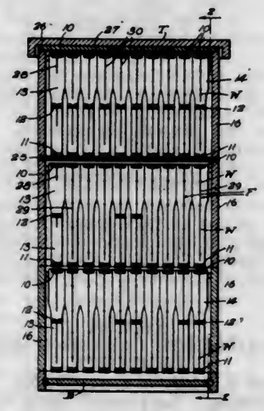
dentures comprising a combination having an acid reaction of ingredients for penetrating and dissolving mucin plaque accumulations on said dentures, consisting of substantially one part of a saturated aqueous solution of citric acid and fifteen parts of isopropyl alcohol, said combination being in an aqueous solution.

2,201,099
REFRIGERATION
Ralph C. Roe, Englewood, N. J.
Application June 8, 1933, Serial No. 674,846
3 Claims. (Cl. 62—115)



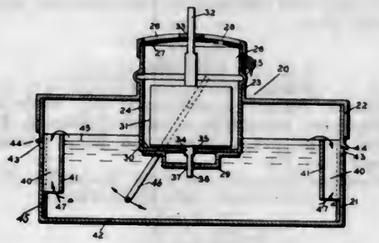
1. A refrigeration system including: an evaporator and condenser having connections with one another, the whole arranged to constitute a cyclic passage and maintained under relatively high vacuum; and a reaction-type power-drivable axial-blade-screw compressor in said cyclic passage and in compressive relation from said evaporator to said condenser, the portion of said cyclic passage containing said compressor being substantially straight from said evaporator to said condenser and the axis of said compressor extending in the same general direction as the axis of said portion of said cyclic passage.

2,201,100
COMB FRAME FOR BEEHIVES
Herschel Lee Rushing, Nashville, Tenn.
Application April 6, 1937, Serial No. 135,320
4 Claims. (Cl. 6—10)



1. A beehive comb frame for interchangeable use in tiered brood and super chambers that are of like form and dimensions, laterally and vertically said frame comprising top, bottom, and end bars, an intermediate horizontal division bar means attached to and extending between the frame end bars and dividing the space between top and bottom bars of the frame into separate comb honey-receiving areas and having a longitudinal slot extending therethrough, through which a comb foundation may extend, the top and bottom bars of the frame having on their under side and upper side, respectively, a longitudinally extending groove, said grooves being adapted, respectively, to receive the upper and lower edges of a sheet of comb foundation that is wider from top to bottom than the distance between said top and bottom bars and less in width than the distance between the bottoms of the said two grooves in said top and bottom bars, the slot in said intermediate division bar means of the frame being substantially aligned with said grooves to allow the foundation sheet to extend therethrough.

2,201,101
SOLUTION DISPENSING DEVICE
Vincent J. Sinkwich, New York, N. Y.
Application December 6, 1938, Serial No. 244,246
2 Claims. (Cl. 141—9)

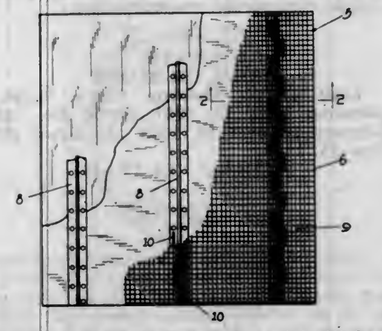


1. A solution dispensing device particularly for washing machines comprising a receptacle, for the introduction of the washing liquid producing substances, at least one outlet opening in the wall thereof, an open ended pocket at said opening extending within the receptacle with its open upper end slightly above said outlet opening and being spaced with its open lower end from the bottom of the receptacle, a top on said receptacle and liquid inlet openings in the middle portion thereof for the admission of dissolving liquid, the difference of height between the upper end of said open pocket and of said outlet and the distance between the lower end of the pocket and the bottom of the dispenser being chosen in such manner that in proportion to the progressing consumption of the cleaning substance by the instreaming water the washing liquid is composed by mutually varying amounts of the solution overflowing the upper end of the pocket and entering through the lower end of the same whereby a practically equal concentration of the dispensed washing liquid is insured.

2,201,102
PLASTERBOARD
John Dean, San Francisco, Calif.
Application July 6, 1937, Serial No. 152,132
Renewed April 8, 1940
4 Claims. (Cl. 72—116)

1. In a fabricated lathing of the class described, a non-metallic base, a waterproofing consisting of tin foil arranged against the base,

stiffening elements positioned upon said base, a non-metallic element arranged over the stiff-

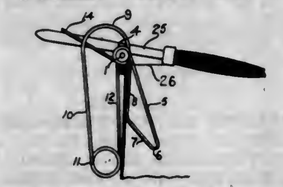


ening elements, the whole being wire stitched together as a unit.

2,201,103
INSECTICIDE AND FUNGICIDE
Frederick E. Dearborn, Washington, D. C.; dedicated to the free use of the People in the territory of the United States
No Drawing. Application November 14, 1938, Serial No. 240,356
2 Claims. (Cl. 167—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

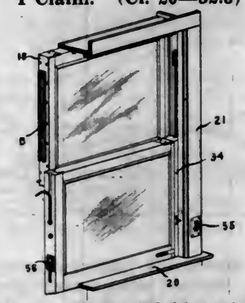
1. An insecticide containing as its essential ingredients compounds of the general formula $3CuAs_2O_4.CuORS_x$, where RS_x is the anhydride of a sulfurized unsaturated monocarboxylic acid containing from two to four atoms of sulfur in the acid molecule.

2,201,104
PASTE BRUSH HOLDER
Otto D. Edick, Lansing, Mich., assignor to Samuel H. Davis and John F. Motcheck, Jr., Lansing, Mich.
Application November 21, 1938, Serial No. 241,711
2 Claims. (Cl. 248—112)



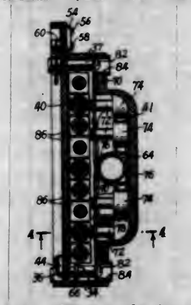
2. A brush holder comprising in combination, a transverse connecting member, and a continuous resilient wire portion having its ends attached to the opposite ends of said connecting member, said wire being arranged to form two vertically disposed side portions spaced apart, said side portions having parts turned around the connecting member near the ends thereof and extended to form an upwardly and outwardly inclined brush support, the said side portions being turned downwardly at the top and arranged to form downwardly extending portions having clamping bands adapted to press against the inside of a receptacle, the parts of the wire side portions which are turned around said connecting member being arranged to pass down on the outside of the receptacle whereby the said connecting member will rest above and near the rim of the receptacle, said side portions at the ends of said transverse member constructed to be passed over and to resiliently engage the edge of the receptacle.

2,201,105
REMOVABLE SLIDING WINDOW
Silvio Fabriani, New York, N. Y.
Application November 25, 1938, Serial No. 242,143
1 Claim. (Cl. 20—52.3)



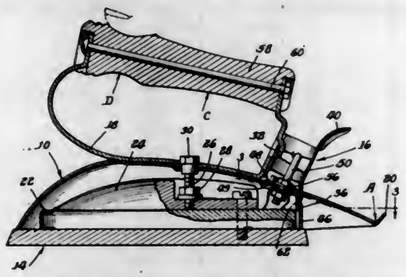
In a window having a slidable sash and a frame therefor, an upper and lower sectional guide strip fixed on one side of said sash, a catch in the upper section, a hook on the lower section engageable with said catch, means carried by said lower section to disengage said hook from the catch, and a bolt slidably carried by said sash to engage the lower section of said guide strip.

2,201,106
CIRCUIT ELEMENT MOUNTING UNIT FOR ELECTRICAL MEASURING APPARATUS
Frank S. Fox, Jr., and George C. Walsh, Foxboro, Mass., assignors to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application November 26, 1937, Serial No. 176,769
7 Claims. (Cl. 175—183)



1. As an article of manufacture, a universal circuit unit for electrical measuring apparatus, comprising, in combination, a base of insulating material, a plurality of terminals mounted in a row across one end thereof, a plurality of circuit elements detachably mounted in a row on said base, connections between said circuit elements and said terminals, said base being adapted to support said connections on the side opposite said circuit elements, a cover for said base covering all of said base but that portion on which said terminals are mounted and forming therewith a housing for said circuit elements, another circuit element mounted on the inside of said cover, and means for attaching said cover to said base and for serving as connections between said latter circuit element and certain of said first mentioned circuit elements and terminals.

2,201,107
ELECTRIC IRON CONSTRUCTION
James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1939, Serial No. 250,783
6 Claims. (Cl. 219—25)



1. In an electrically heated iron construction, a sole plate, heating means associated with said sole plate, a handle structure, an integral shell of thin metal stock disposed in covering relation with respect to said sole plate and having a portion extending rearwardly beyond the heel thereof, and including a wall inclining downwardly toward the plane of the sole plate to provide a streamlined contour, the downwardly inclined wall portion terminating in a laterally extending line disposed rearwardly of the sole plate, and an integral flange disposed in a plane extending rearwardly and upwardly from the downwardly inclined wall portion, having a rearward edge no thicker than the metal stock of the shell, providing spaced feet when the sole plate and shell extend upwardly, electrical contact elements associated with the shell, guard means therefor having an extension above the said rearwardly extending portion and providing a rest cooperable with the said feet to support the iron with sole plate and shell extending upwardly when the extension and feet are rested on a horizontal supporting surface, the said plane of the feet forming flange extending sharply upwardly from the edge thereof when in rest position to present a narrow edge to the supporting surface, and means secured within said shell providing a rear wall portion.

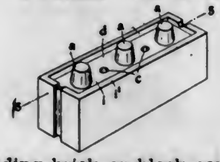
2,201,108
DENATURED ALCOHOL COMPOSITION
Paul Mahler, New York, N. Y., and Carl Haner, Moylan, Pa., assignors to Publicker Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 15, 1937, Serial No. 169,253
2 Claims. (Cl. 202—77)

1. A denatured ethyl alcohol composition, for use as alcohol, including at least 90% of ethyl alcohol of commercial concentration and a small proportion of generally pure allyl cyanide.

2,201,109
DENATURED ALCOHOL COMPOSITION
Paul Mahler, New York, N. Y., and Carl Haner, Moylan, Pa., assignors to Publicker Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 15, 1937, Serial No. 169,255
1 Claim. (Cl. 202—77)

A denatured alcohol composition including ethyl alcohol and methyl butyrate in the proportion of more or less approximately one to two parts of generally pure methyl butyrate, by volume, to one hundred parts of ethyl alcohol of the usual commercial concentration.

2,201,110
BRICK OR BLOCK
Latif Tewfik Makram, Cairo, Egypt
Application June 16, 1937, Serial No. 148,535. Renewed October 19, 1939. In Great Britain June 16, 1936
6 Claims. (Cl. 72—38)



1. A building brick or block comprising longitudinally extending flanges on the top face, correspondingly cut-away portions or grooves in the bottom face, a plurality of projecting members on the top face, recesses in corresponding positions on the bottom face of dimensions to leave spaces around the projections and between the interfaces of the brick when the bricks are laid one upon the other, holes extending from the top to the bottom faces of the brick or block and a communicating channel extending longitudinally around the brick or block to enable cement or mortar to be passed into the spaces, holes and channels between adjacent bricks.

2,201,111
HEAT TREATMENT OF METALS
Josef Martin Michel, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 30, 1939, Serial No. 292,607. In Germany September 2, 1938
5 Claims. (Cl. 148—13.1)

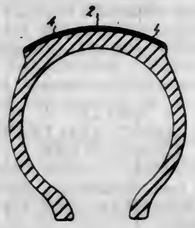
1. An improvement in the heat treatment of metals, especially of aluminium base alloys, by a process involving heating successive batches of metal in a fused salt bath substantially consisting of saltpetre and subsequently quenching such batches in an aqueous medium, which improvement consists in constantly maintaining the pH-value of the quenching medium numerically below about 7.

2,201,112
TREATMENT OF HYDROGENATED OILS
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application June 30, 1939, Serial No. 282,081
4 Claims. (Cl. 99—123)

1. A hydrogenated shortening composition, having a desirable flavor and odor and improved frying and baking characteristics, carrying thoroughly dispersed therethrough a small amount, less than 5%, of decorticated, low moisture containing, macerated sesame seeds.

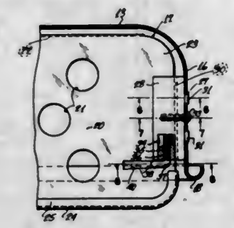
2,201,113
ANTISKID TREAD
Franklin G. Neal, Springfield, Mass., assignor to Springfield Wire & Tinsel Co., West Springfield, Mass., a corporation of Massachusetts
Application June 16, 1937, Serial No. 148,458
5 Claims. (Cl. 152—211)

1. In an antiskid tread wearing layer of material for tires, the combination of a layer of metal wound thread with the metal coils on the thread



slightly spaced apart and of a small diameter on the order of a fraction of an inch, there being many coils per inch of length, said metal wound thread being closely enough spaced in its layer to provide a great many spaced coils per square inch of area in such layer, said thread layer being unwoven and embedded in and bonded together by an integral sheet of vulcanized rubber, the wearing side of which rubber sheet is located to wear away with the layer of bonded metal coils placed to give such surface antiskid properties.

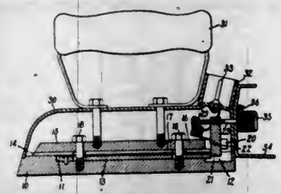
2,201,114
SHELF AND SUPPORTS THEREFOR
Frank D. Peltier and Karl F. Schmidt, Indianapolis, Ind., assignors, by mesne assignments, to Philco Refrigerator Company, Philadelphia, Pa., a corporation of Delaware
Application May 28, 1938, Serial No. 210,601
6 Claims. (Cl. 211—90)



2. Removable shelving for refrigerators, comprising a shelf provided with wedge-shaped slots therein, shelf-supports adapted for slidably receiving said shelf, and elements operatively carried by said supports, adapted for wedged seating in said slots to lock said shelf to the supports, said elements in effecting a locked condition of said shelf, serving also to effect a predetermined positionment of the shelf relative to the supports.

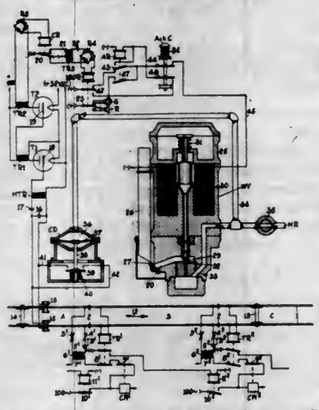
2,201,115
AUTOMATIC FLATIRON, AND THERMOSTATIC DEVICE FOR CONTROLLING THE SAME
Frank Reingruber and Joseph Reingruber, Toronto, Ontario, Canada, assignors to General Thermostat Corporation, New York, N. Y., a corporation of New York
Application July 7, 1937, Serial No. 152,392
In Canada July 10, 1936
28 Claims. (Cl. 219—25)

1. In a flatiron provided with a soleplate, a heating element for said soleplate, means controlling the heating element comprising a pair of expansible and contractible members of widely different coefficients of expansion differentially responsive to the temperature of the soleplate and means operated by the relative movement of



said members controlling the operation of said heating means.

2,201,116
AUTOMATIC TRAIN CONTROL SYSTEM FOR RAILROADS
Percy W. Smith, New York, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 28, 1939, Serial No. 253,363
7 Claims. (Cl. 246—63)

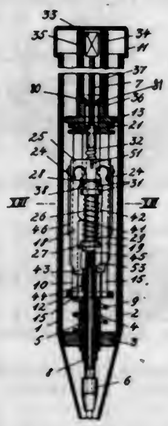


1. In a train control system, in combination with trackway apparatus for putting train control current on the track rails in accordance with traffic conditions ahead; car carried apparatus including, a receiver, a cab signal having a plurality of aspects of varying restrictivenesses, circuit means controlled by the receiver and controlling the signal, a normally inactive penalty warning device, means for making the penalty device active to give a warning upon a change in signal aspect to more restrictive, manually operative means for restoring the device to inactivity, and means, operative only upon the device becoming inoperative, for inflicting a penalty in the form of a traffic restriction regardless of actual traffic conditions.

2,201,117
PENCIL
Eugen Wild, Pforzheim, Germany, assignor to the firm Carl Emil Ruf, Pforzheim, Germany
Application April 20, 1939, Serial No. 268,854
In Germany December 13, 1938
5 Claims. (Cl. 120—12)

1. A pencil comprising in combination, a tubular outer shell or jacket, a lead holder arranged in said shell for axial movement, means comprising two pairs of levers suspended in said jacket for axial and rocking movement for locking said lead holder in said shell in two end positions,

means axially displaceable on the rear end of said shell for exerting pressure on said locking means and a spring arranged to act on said lock-



ing means for causing said lead holder to advance into one and to recede into the other end position, respectively.

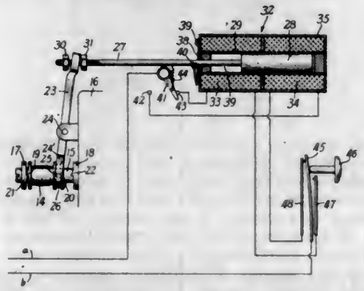
2,201,118

TRANSMISSION OF POWER

Arnold H. Beede, Fairfield, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York

Application April 6, 1938, Serial No. 200,335

3 Claims. (Cl. 192—84)



2. In a commercial phonograph, the combination of a movable member for operating said phonograph adapted to occupy an operative or inoperative position, a pair of electromagnets, a circuit system for alternately energizing said magnets, an armature member oppositely affected by said pair of magnets, mechanism connected to said armature member for controlling the movement of said movable member to and from said positions, a control device in said circuit for closing the circuit to one magnet to move said movable member to its inoperative position and for closing the circuit to said other magnet to effect movement of said movable member to its operative position, switch means in said circuit, and resilient means associated with said armature member and said switch means for effecting the operation of said switch means in response to movement of said armature member only when the latter has moved beyond mid-position in either direction to open the circuit to the active magnet and to prepare the circuit of the inactive magnet for energization when closed by said control device, whereby the active magnet is not deenergized and the inactive magnet cannot be energized until said armature member is urged beyond the mid-point of its travel in the direction of its initial movement by the action of said resilient means.

2,201,119

EMULSIFYING AGENT AND ITS METHOD OF PRODUCTION

Manuel Blumer, Butler, George Andreas Kessler, Petrolia, and Leo Salzmann, Butler, Pa., assignors to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application July 6, 1938, Serial No. 217,820

17 Claims. (Cl. 260—504)

1. A new emulsifying agent comprising essentially a petroleum mahogany sulphonate product derived from the acid treatment of a petroleum lubricating oil distillate under sulphonating conditions, said product being substantially free from water-in-oil emulsion forming substances.

2,201,120

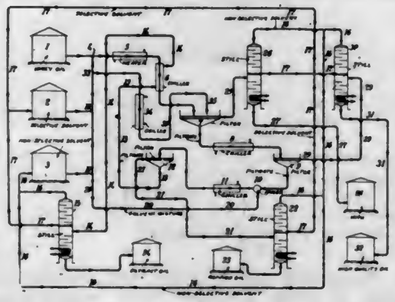
PROCESS FOR SEPARATING HYDROCARBON OILS

Ernst Bösing, Berlin, Germany, assignor to Edeleanu Gesellschaft, m. b. H., a corporation of Germany

Application August 17, 1938, Serial No. 225,463

In Germany August 31, 1937

9 Claims. (Cl. 196—13)



1. A process of producing a lubricating oil of high quality from a wax-free hydrocarbon mixture containing the same together with low quality oil constituents, comprising dissolving said mixture in a solvent blend consisting of a selective solvent having a low melting point and a non-selective solvent having a melting point of not less than 30° F., the volumetric composition of said solvent blend being such that upon cooling to a low temperature a substantial amount of the non-selective solvent will crystallize out as a solid and the remainder of said solvent blend will become selective towards the low quality oil constituents, cooling said solution of hydrocarbon mixture and solvent blend to a low temperature to crystallize out part of said non-selective solvent and to form a heterogeneous wax-free mixture comprising an undissolved phase containing solid non-selective solvent and the liquid high quality oil constituents, and a dissolved phase containing the remainder of said solvent blend in liquid form and dissolved therein the low quality oil constituents, separating the undissolved phase from the dissolved phase and recovering the solvents from both phases.

2,201,121

UNSATURATED DERIVATIVES OF COMPOUNDS OF THE CYCLOPENTANO POLYHYDRO PHENANTHRENE SERIES AND A PROCESS OF PRODUCING THE SAME

Adolf Butenandt, Berlin-Lichterfelde, and Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application December 22, 1936, Serial No. 117,152. In Germany December 24, 1935

16 Claims. (Cl. 260—397)

1. Process of producing unsaturated derivatives of compounds of the cyclopentano polyhydro phenanthrene series comprising subjecting compounds of the cyclopentano polyhydro phenanthrene series which contain a tertiary hydroxyl group and a hydrocarbon substituent at the carbon atom 17 and a hydrogen atom attached to a carbon atom adjacent to the tertiary hydroxyl group present at the carbon atom 17, dehydrating conditions whereby the elements of water are split off from the substituents at the 17-carbon and the adjacent carbon.

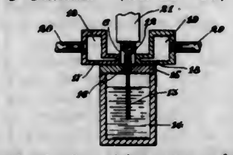
2,201,122

SEPARABLE FASTENER

George Henry Clifford Corner, Birmingham, England, assignor to Talon, Inc., a corporation of Pennsylvania

Application November 23, 1935, Serial No. 51,302. Renewed October 18, 1939. In Great Britain November 30, 1934

5 Claims. (Cl. 18—59)



1. The method of making separable interlocking fasteners of the class described, comprising forming fastener members from insoluble non-metallic material with an interlocking portion at one end and a bifurcated portion at the other end, fixing an insert of soluble non-metallic material between said bifurcated portions, forming a tape receiving slot in said insert, placing a series of said fastener members on the edge of a tape with the edge of the tape filling the slots in said inserts, and then sticking said insert material to said fabric tape by the use of a suitable solvent.

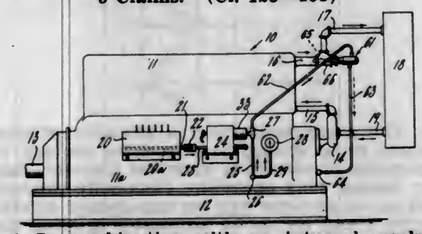
2,201,123

CONTROL SYSTEM

Alan C. Davis, New York, N. Y., assignor to Viking Instruments, Inc., Stamford, Conn., a corporation of New York

Application July 1, 1939, Serial No. 282,407

5 Claims. (Cl. 123—198)



1. In combination with an internal combustion engine having a pressure lubrication system and a pressure-responsive device therewithin, a mechanically operated by-pass valve in such system, said valve being normally closed during the operation of the engine but being adapted to be opened to by-pass lubricating oil from the pressure system to the crank case of the engine and thereby to lower the pressure and actuate said pressure-responsive means.

2,201,124

DISPERSIBLE HYDROPHILIC SULPHUR

Philip J. Ehman and Walter O. Walker, Marinette, Wis., assignors to Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin

No Drawing. Application September 19, 1938, Serial No. 230,657

7 Claims. (Cl. 252—6)

1. A composition of matter dispersible in water comprising hydrophilic colloidal sulphur of amicronic particle size, about 5% by weight of polythionic acids as a peptizing agent, about 20% by weight of water, and about 2 to 10% by weight of a stabilizing agent selected from the group consisting of sucrose, maltose, dextrose, glycerine, molasses, glucose, "Glycopon B" (a glycol carbohydrate composition), "Glycopon 2A" (sulphited glycol carbohydrate), triethylene glycol, diethylene glycol, and propylene glycol.

5. The process of making a composition of matter readily dispersible in water comprising preparing an aqueous sludge of hydrophilic colloidal sulphur of amicronic particle size containing polythionic acids, and adding to said sludge a stabilizer from the group consisting of sucrose, maltose, dextrose, glycerine, molasses, glucose, "Glycopon B" (a glycol carbohydrate composition), "Glycopon 2A" (sulphited glycol carbohydrate), triethylene glycol, diethylene glycol, and propylene glycol, thereby reducing the water content of the sludge to about 10 to 30% by weight to form a paste of suitable consistency containing about 0.05 to 10% by weight of polythionic acids and about 0.01 to 20% by weight of stabilizer.

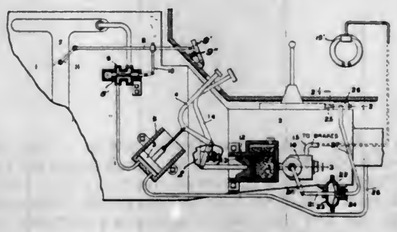
2,201,125

CLUTCH AND BRAKE MECHANISM

Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

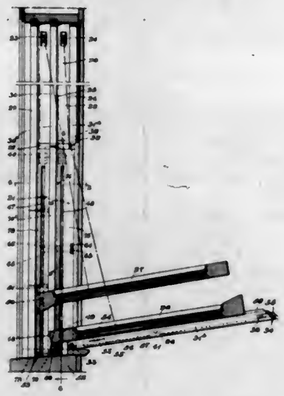
Application November 9, 1932, Serial No. 641,831

23 Claims. (Cl. 192—.01)



1. In a motor vehicle provided with a clutch, power operated means for disengaging the clutch, and a braking system having brakes, holding means for preventing release of the brakes from applied position, a second power operated means for actuating the holding means, the power operated means for said holding means being operated when said clutch is actuated by its power means.

2,201,126
WINDOW CONSTRUCTION
George Rosenberg, New York, N. Y.
Application May 24, 1938, Serial No. 209,821
14 Claims. (Cl. 20—42)



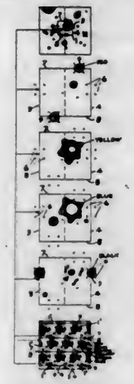
1. In a window assembly, a jamb, a pair of sashes mounted for vertical movement, an outside stop, a middle stop, and an inside stop associated with said sashes, said inside stop being mounted for pivotal movement, said middle stop being so constructed and arranged as to be capable of at least two positions, one of said positions being within said jamb and one of said positions being externally of said jamb, means for normally urging said middle stop to its external position, said pair of sashes being further arranged for pivotal movement, one of said sashes cooperating with said middle stop upon pivotal movement of the former to urge the said middle stop to its position within said jamb whereby both sashes may be swung down and inwardly when said inside stop and said middle stop are moved to non-interfering positions with respect to the locus of pivotal movement of said sashes.

2,201,127
KEY AND KEYHOLE ILLUMINATION
Philip Schechter, Brooklyn, N. Y.
Application March 8, 1939, Serial No. 260,486
1 Claim. (Cl. 250—74)



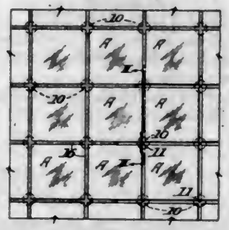
In a key and a door lock having a key slot therefor, the combination of a lock plate on said door lock having a groove in the outer face thereof formed as indicia, said indicia being located adjacent the key slot edge to define a particular slot portion, said key having a groove formed as indicia in the key slot engaging end, illuminating paint or the like in said grooves, said paint being covered with a transparent material and said paint and covering materials being confined in said grooves, said indicia being marginal joining marks adapted to register with corresponding marks on the respective parts only when the parts are in correct relative position for entry of the key into the slot.

2,201,128
REPRODUCTION OF COLOR PHOTOGRAPHIC DESIGNS
Leon Singer, Brooklyn, N. Y.
Application July 29, 1937, Serial No. 156,267
3 Claims. (Cl. 95—2)



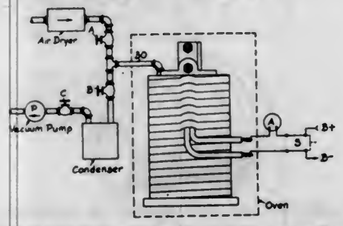
1. In a process for reproducing color photographic designs, the marking off on an original color design a substantially rectangular portion having certain elements of the design overlapping the border thereof, applying registration marks around said certain elements and around other portions of the border in which said certain elements are to recur in the finished design, making a set of color separation records for each primary color, each set comprising a main record and auxiliary records, cutting out said certain elements in said auxiliary records and affixing them on said other portions of each said main record of the same set by means of said registration marks, forming a number of reproductions of each of the main records so produced, assembling such records to form a repeat design for each color separation and recombining the repeat color separation designs to form a completed color repeat design.

2,201,129
TILING
Joseph Weiland, Anderson, Ind., assignor, by direct and mesne assignments, to The Butler-Weiland Corporation, Anderson, Ind., a corporation of Indiana
Application August 26, 1938, Serial No. 226,892
17 Claims. (Cl. 72—19)



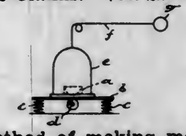
1. The combination with a plurality of tiles adapted to be applied to a receiving surface, of a plurality of attaching members therefor, said tiles having slots extending diagonally through their corner portions only for engagement by said members, and means for adjustably drawing the attaching members and tiles toward the receiving surface, whereby the rear faces of the tiles engage and conform the tiles to said receiving surface.

2,201,130
APPARATUS FOR MAKING INSULATED ELECTROMAGNETS
Edward H. Branson, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application January 15, 1935, Serial No. 1,924. Divided and this application July 29, 1937, Serial No. 156,361
2 Claims. (Cl. 18—6)



1. Apparatus for vulcanizing hermetically sealing rubber coverings around electromagnets, comprising, a heating oven capable of enclosing an electromagnet, circuit means for applying electrical energy to the winding of the electromagnet while the magnet is in the oven for heating the spaces between the turns and between the layers of the magnet winding, a conduit, means connecting the conduit with the interior of the electromagnet winding while it is in the oven, a vacuum pump and an air dryer, each associated with the conduit, and means for connecting the vacuum pump and the air dryer to the conduit for, respectively, forming a partial vacuum in the space occupied by the winding and supplying dry air to said space.

2,201,131
METHOD FOR CASTING JEWELRY AND THE LIKE
Thoger G. Jungersen, Mimico, Ontario, Canada
Application April 28, 1937, Serial No. 139,629
6 Claims. (Cl. 22—193)

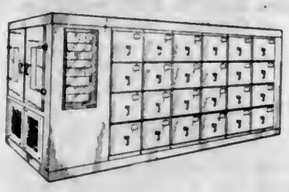


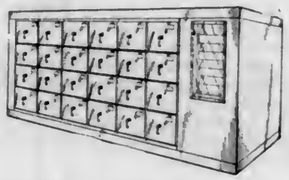
1. The method of making molds which comprises: subjecting a quantity of mold material disposed in a liquid or viscous condition in a container to a vacuum process to remove substantially all of the occluded air therefrom; after the air has been removed, subjecting said quantity of mold material to atmospheric pressure; carefully introducing a pattern into said quantity of mold material while said mold material is under atmospheric pressure; permitting the mold material to harden; and finally removing the pattern to form a mold cavity.

DESIGNS

MAY 14, 1940

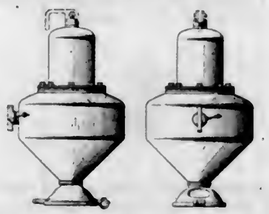
120,476
DESIGN FOR A COMBINED DISPLAY AND DISPENSING CABINET FOR FROZEN FOOD OR THE LIKE
William McKinley Baird, Chicago, Ill.
Application March 11, 1940, Serial No. 90,822
Term of patent 14 years

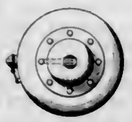




The ornamental design for a combined display and dispensing cabinet for frozen food or the like, substantially as shown.

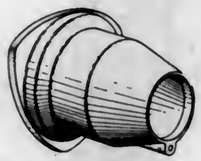
120,477
DESIGN FOR A COMBINED CARBIDE HOPPER AND FEED CONTROL UNIT FOR AN ACETYLENE GENERATOR
Clarence H. Baker, Indianapolis, Ind., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application October 10, 1939, Serial No. 87,610
In Canada May 23, 1939
Term of patent 14 years





The ornamental design for a combined carbide hopper and feed control unit for an acetylene generator, substantially as shown and described.

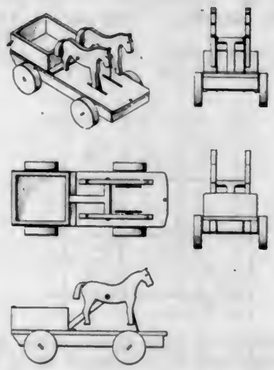
120,478
DESIGN FOR AN AIR TUBE FOR OIL BURNERS OR THE LIKE
Reginald W. Beckett, Elyria, Ohio
Application October 18, 1939, Serial No. 87,712
Term of patent 14 years





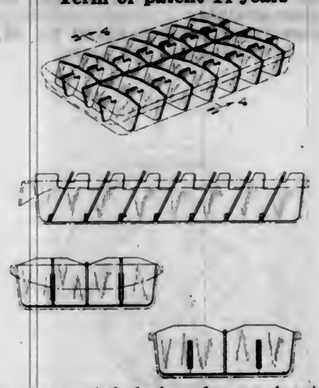
The ornamental design for an air tube for oil burners or the like, substantially as shown.

120,479
DESIGN FOR A TOY
Andrew Bollak, New York, N. Y.
Application March 9, 1940, Serial No. 90,781
Term of patent 7 years



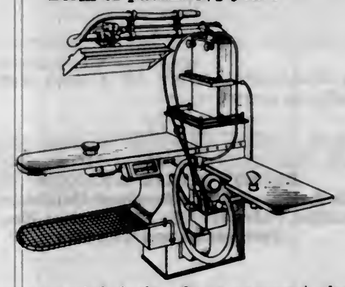
The ornamental design for a toy, as shown.

120,480
DESIGN FOR AN ICE TRAY
Clifford R. Carney, Detroit, Mich.
Application September 2, 1939, Serial No. 87,012
Term of patent 14 years



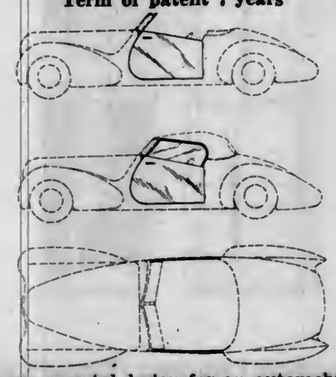
The ornamental design for an ice tray, substantially as shown and described.

120,481
DESIGN FOR A GARMENT CLEANING UNIT
Carl Dahlberg, Duluth, Minn.
Application January 11, 1940, Serial No. 89,402
Term of patent 3½ years



The ornamental design for a garment cleaning unit, as shown and described.

120,482
DESIGN FOR AN AUTOMOBILE
Howard A. Darrin, Brentwood, Calif.
Application November 27, 1939, Serial No. 88,508
Term of patent 7 years



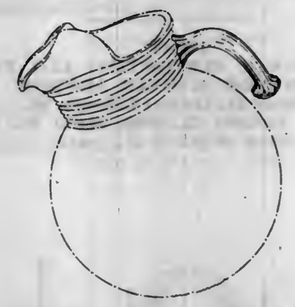
The ornamental design for an automobile, substantially as shown and described.

120,483
DESIGN FOR A DRESS
Marion Haon, New York, N. Y.
Application March 29, 1940, Serial No. 91,320
Term of patent 3½ years



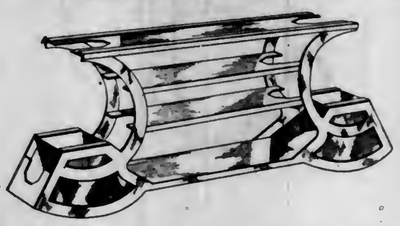
The ornamental design for a dress, substantially as shown and described.

120,484
DESIGN FOR A PITCHER
Edwin Haub, Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application September 13, 1939, Serial No. 87,195
Term of patent 14 years



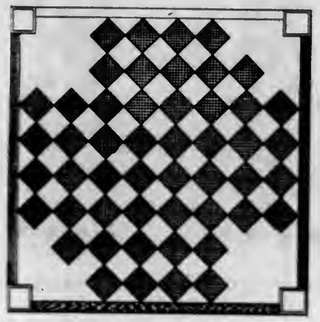
The ornamental design for a pitcher, as shown and described.

120,485
DESIGN FOR A DISPLAY RACK
Jesse N. Hollingsworth, Los Angeles, Calif.
Application March 8, 1940, Serial No. 90,766
Term of patent 7 years



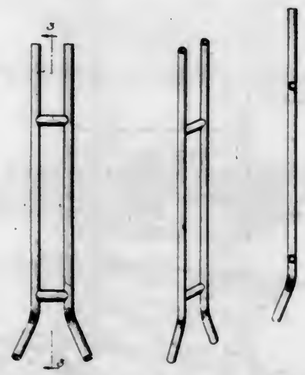
The ornamental design for a display rack, substantially as shown.

120,486
DESIGN FOR A GAME BOARD
Laurence Kuchin, Jr., Seattle, Wash.
Application August 2, 1939, Serial No. 86,424
Term of patent 7 years



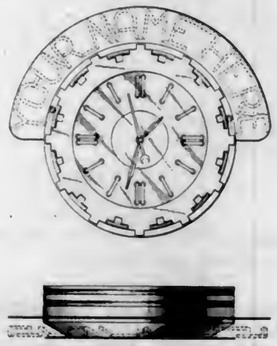
The ornamental design for a game board, as shown.

120,487
DESIGN FOR A SUPPORTING LEG FOR A TABLE OR SIMILAR ARTICLE
Maurice H. Levine, Chicago, Ill.
Application January 22, 1940, Serial No. 89,632
Term of patent 3½ years



The ornamental design for a supporting leg for a table or similar article, as shown.

120,488
DESIGN FOR A CLOCK SIGN
Myron W. Lewis, Fred Johanson, and David R. Pennell, Alliance, Ohio, assignors to The Electric Neon Clock Company, Cleveland, Ohio, a corporation of Ohio
Application March 7, 1940, Serial No. 90,752
Term of patent 3½ years



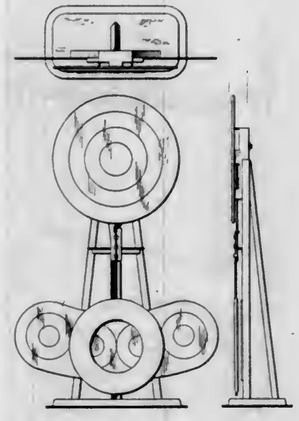
The ornamental design for a clock sign, substantially as shown.

120,489
DESIGN FOR A WRENCH
Alvin J. Musselman, Cleveland Heights, Ohio
Application February 23, 1940, Serial No. 90,456
Term of patent 14 years



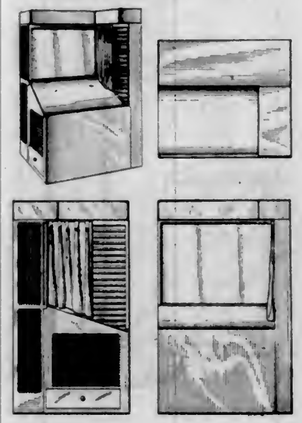
The ornamental design for a wrench, substantially as shown.

120,490
DESIGN FOR A SWINGING TARGET TOY
Anthony Schillace and William J. Daily, Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application March 7, 1940, Serial No. 90,750
Term of patent 14 years



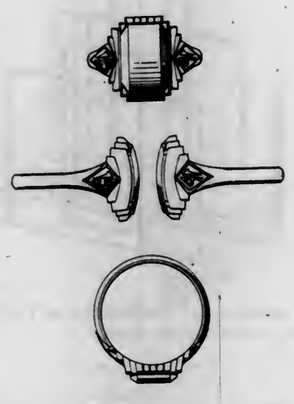
The ornamental design for a swinging target toy, substantially as shown.

120,491
DESIGN FOR A DISPLAY STAND FOR MATERIAL FOR WALL COVERINGS, FLOORINGS, RUGS, OR THE LIKE
Charles Eugene Stephenson, New York, N. Y.
Application January 31, 1940, Serial No. 89,899
Term of patent 14 years



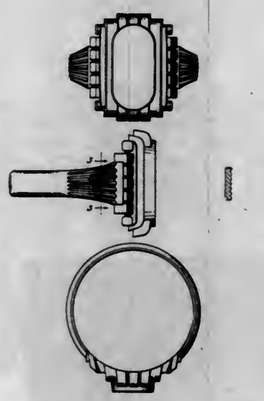
The ornamental design for a display stand for material for wall coverings, floorings, rugs, or the like, substantially as shown and described.

120,492
DESIGN FOR A FINGER RING
Herbert R. Terryberry and Arthur P. Terryberry, Grand Rapids, Mich.
Application March 27, 1940, Serial No. 91,272
Term of patent 7 years



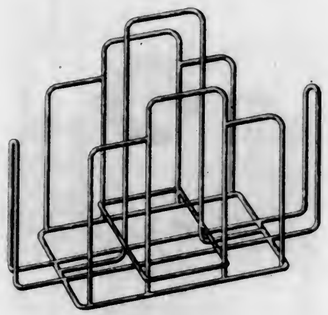
The ornamental design for a finger ring, substantially as shown.

120,493
DESIGN FOR A FINGER RING
Herbert R. Terryberry and Arthur P. Terryberry, Grand Rapids, Mich.
Application March 27, 1940, Serial No. 91,273
Term of patent 7 years



The ornamental design for a finger ring, substantially as shown.

120,494
DESIGN FOR A RACK FOR CUPS, SAUCERS, OR THE LIKE
Henry J. Watral, Queens Village, N. Y.
Application March 6, 1940, Serial No. 90,732
Term of patent 14 years



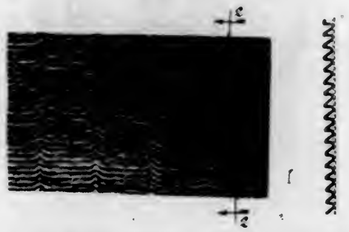
The ornamental design for a rack for cups, saucers, or the like, as shown.

120,495
DESIGN FOR A PIPE COUPLING
William R. Wilson, Detroit, Mich.
Application February 7, 1938, Serial No. 74,935
Term of patent 7 years



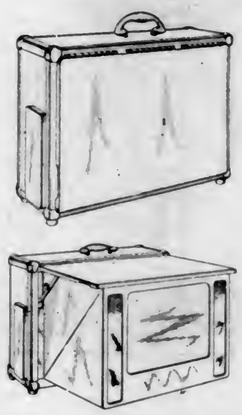
The ornamental design for a pipe coupling, substantially as shown.

120,496
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
William E. Barrott, Aurora, Ind.
Application September 18, 1939, Serial No. 87,273
Term of patent 3½ years



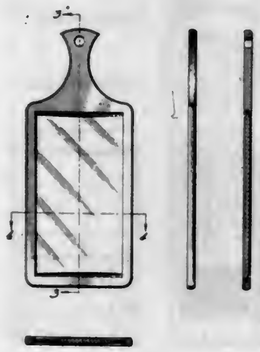
The ornamental design for a textile fabric or similar article, as shown and described.

120,497
DESIGN FOR A PORTABLE COMBINED SOUND AND PICTURE REPRODUCING APPARATUS
Vladimir J. Boor, Scotch Plains, N. J., and Arthur J. Bradford, Grosse Pointe Farms, Mich.
Application February 15, 1940, Serial No. 90,278
Term of patent 14 years



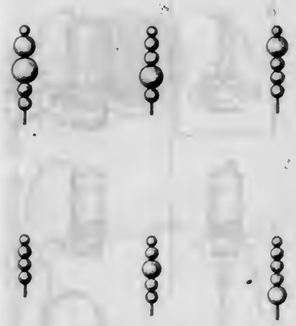
The ornamental design for a portable combined sound and picture reproducing apparatus, substantially as shown and described.

120,498
DESIGN FOR A READING GLASS
Louis F. Chapoton, Detroit, Mich.
Application March 4, 1940, Serial No. 90,664
Term of patent 14 years



The ornamental design for a reading glass, as shown.

120,499
DESIGN FOR CHESSMEN
Harold Vernon Chase, Evanston, Ill.
Application February 5, 1940, Serial No. 90,058
Term of patent 14 years



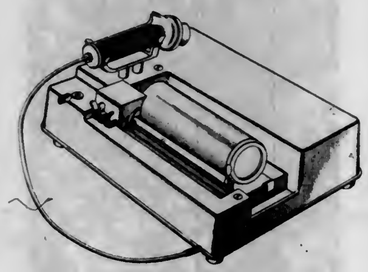
The ornamental design for chessmen, substantially as shown.

120,500
DESIGN FOR A SHOE
Herman B. Delman, New York, N. Y.
Application March 1, 1940, Serial No. 90,601
Term of patent 3½ years



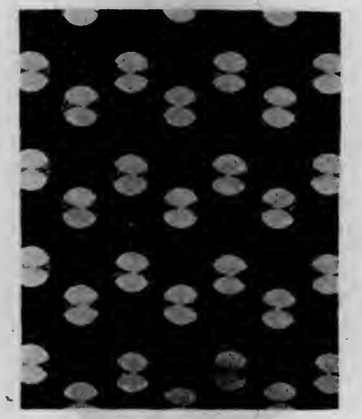
The ornamental design for a shoe, as shown.

120,501
DESIGN FOR A COMMERCIAL PHONOGRAPH
William F. Feyrer, Norwalk, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application February 23, 1939, Serial No. 83,152
Term of patent 14 years



The ornamental design for a commercial phonograph, as shown and described.

120,502
DESIGN FOR A TEXTILE FABRIC
George J. Finnegan, New York, N. Y.
Application April 9, 1940, Serial No. 91,548
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

120,503
DESIGN FOR A TEXTILE FABRIC
George J. Finnegan, New York, N. Y.
Application April 9, 1940, Serial No. 91,550
Term of patent 3½ years



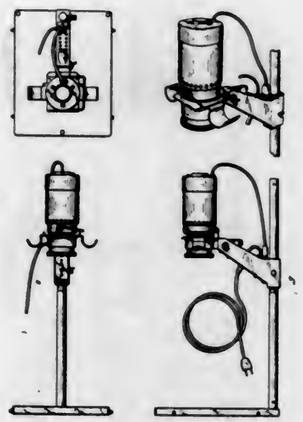
The ornamental design for a textile fabric, substantially as shown and described.

120,504
DESIGN FOR A GOGGLE FRAME
Joseph C. Foster, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application August 12, 1939, Serial No. 86,634
Term of patent 3½ years



The ornamental design for a goggle frame, substantially as shown.

120,505
DESIGN FOR AN ENLARGER
Harry R. Habig, Cincinnati, Ohio, assignor of one-half to Max Gest, Cincinnati, Ohio
Application November 28, 1939, Serial No. 88,527
Term of patent 14 years



The ornamental design for an enlarger substantially as shown and described.

120,506
DESIGN FOR A BUTTON
Sol Holstein, New York, N. Y.
Application April 3, 1940, Serial No. 91,439
Term of patent 3½ years



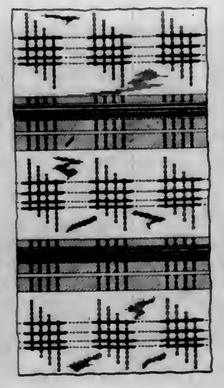
The ornamental design for a button, substantially as shown.

120,507
DESIGN FOR A BUTTON
Sol Holstein, New York, N. Y.
Application April 12, 1940, Serial No. 91,622
Term of patent 3½ years



The ornamental design for a button, substantially as shown.

120,508
DESIGN FOR A DRAPERY FABRIC
Harry Josephson, New York, N. Y.
Application March 8, 1940, Serial No. 90,760
Term of patent 3½ years



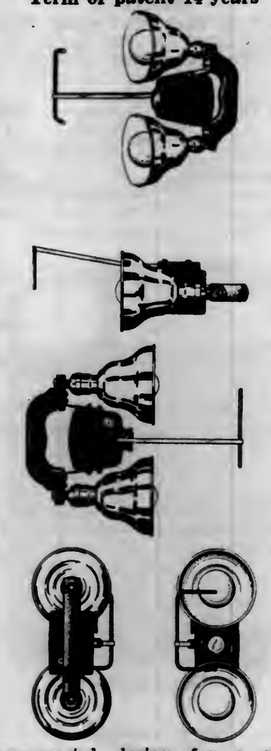
The ornamental design for a drapery fabric, as shown and described.

120,509
DESIGN FOR A TEXTILE FABRIC
Louis Kalman, New York, N. Y.
Application April 13, 1940, Serial No. 91,666
Term of patent 3½ years



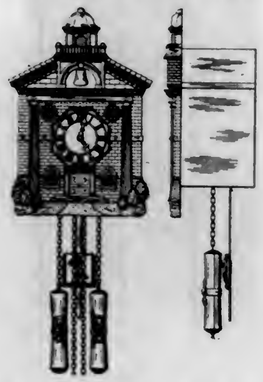
The ornamental design for a textile fabric, substantially as shown.

120,510
DESIGN FOR A COMBINATION CAMERA AND ILLUMINATING DEVICE
Albert J. Kunze, Cleveland, Ohio
Application February 16, 1940, Serial No. 90,318
Term of patent 14 years



The ornamental design for a combination camera and illuminating device, substantially as shown.

120,511
DESIGN FOR A WALL CLOCK
Frederick Lux, Waterbury, Conn., assignor to The Lux Clock Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 16, 1940, Serial No. 90,978
Term of patent 7 years



The ornamental design for a wall clock, as shown.

120,512
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Elmer D. Packard, Norway, Maine
Application April 13, 1940, Serial No. 91,662
Term of patent 14 years

The ornamental design for a shoe or similar article, substantially as shown and described.

120,513
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Willis O. Prouty, Hermosa Beach, Calif.
Application September 25, 1939, Serial No. 87,367
Term of patent 14 years



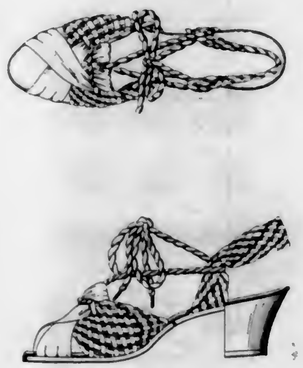
The ornamental design for a bowl or similar article, substantially as shown.

120,514
DESIGN FOR A PITCHER OR SIMILAR ARTICLE
Willis O. Prouty, Hermosa Beach, Calif.
Application September 25, 1939, Serial No. 87,369
Term of patent 14 years



The ornamental design for a pitcher or similar article, substantially as shown.

120,515
DESIGN FOR A SHOE
John Roman, Winchester, Mass., assignor to Trimmings, Inc., Lawrence, Mass., a corporation of Massachusetts
Application February 28, 1940, Serial No. 90,583
Term of patent 3½ years



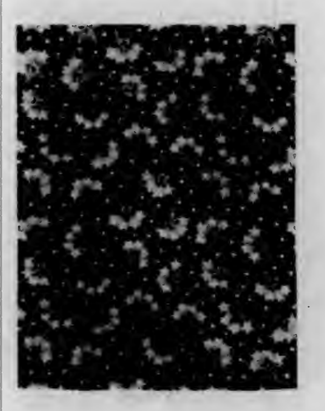
The ornamental design for a shoe, substantially as shown and described.

120,516
DESIGN FOR A SHOE
John Roman, Winchester, Mass., assignor to Trimmings, Inc., Lawrence, Mass., a corporation of Massachusetts
Application February 28, 1940, Serial No. 90,584
Term of patent 3½ years



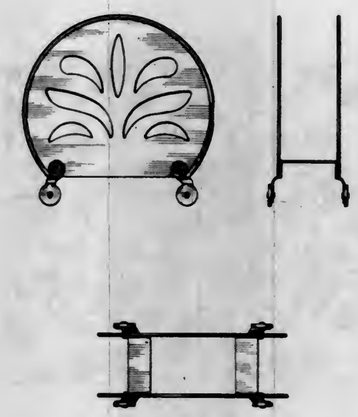
The ornamental design for a shoe, substantially as shown.

120,517
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
William Steffen, Hackensack, N. J.
Application March 25, 1940, Serial No. 91,215
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

120,518
DESIGN FOR A PAPER NAPKIN HOLDER
Paul Tresenberg, Springfield Gardens, N. Y.
Application March 5, 1940, Serial No. 90,683
Term of patent 7 years



The ornamental design for a paper napkin holder, as shown and described.

120,519
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application April 17, 1940, Serial No. 91,720
Term of patent 3½ years



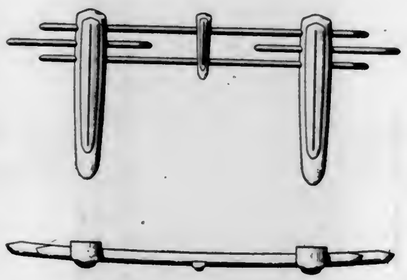
The ornamental design for a textile fabric or similar article, as shown.

120,520
DESIGN FOR A WRAPPING PAPER
Jean E. Vivaudou and Henry G. Lubin, New York, N. Y.
Application March 1, 1940, Serial No. 90,609
Term of patent 7 years



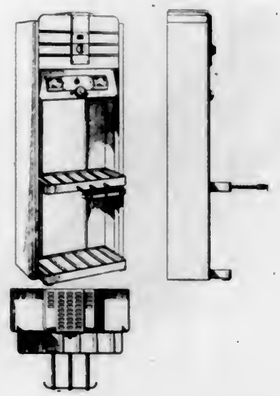
The ornamental design for a wrapping paper, as shown.

120,521
DESIGN FOR A GRILLE GUARD
Gustave F. Bahr, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application April 3, 1940, Serial No. 91,442
Term of patent 14 years



The ornamental design for a grille guard, as shown.

120,522
DESIGN FOR A BATTERY CHARGER AND TESTER
Lawrence A. Blazey, Cleveland, Ohio, assignor to Benjamin F. W. Heyer, Tenafly, N. N. J.
Application November 14, 1939, Serial No. 88,252
Term of patent 7 years



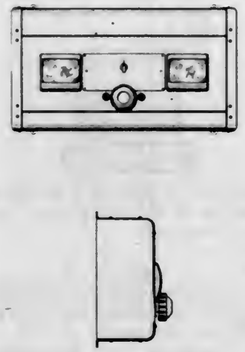
The ornamental design for a battery charger and tester, as shown and described.

120,523
DESIGN FOR A BATTERY TESTER
Lawrence A. Blazey, Cleveland, Ohio, assignor to Benjamin F. W. Heyer, Tenafly, N. J.
Application November 14, 1939, Serial No. 88,253
Term of patent 7 years



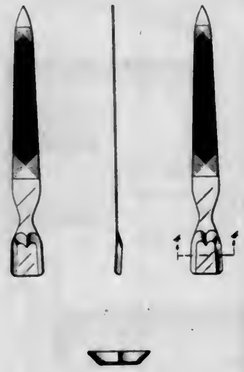
The ornamental design for a battery tester, as shown and described.

120,524
DESIGN FOR A BATTERY TESTER
Lawrence A. Blazey, Cleveland, Ohio, assignor to Benjamin F. W. Heyer, Tenafly, N. J.
Application November 14, 1939, Serial No. 88,254
Term of patent 7 years



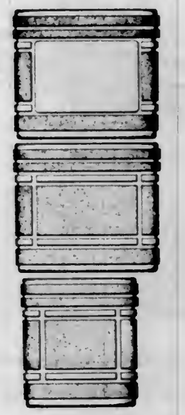
The ornamental design for a battery tester, as shown.

120,525
DESIGN FOR A COMBINED FINGERNAIL FILE AND POWDER SCOOP
Russell C. Buffum, New York, N. Y., assignor to Graef & Schmidt, Inc., New York, N. Y., a corporation of New York
Application February 7, 1940, Serial No. 90,088
Term of patent 3½ years



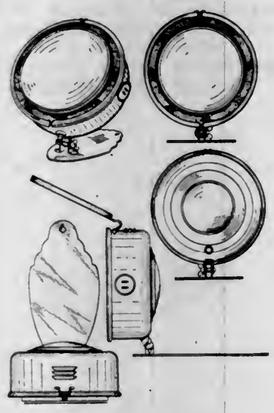
The ornamental design for a combined fingernail file and powder scoop, substantially as shown.

120,526
DESIGN FOR A RECEPTACLE FOR BATTERIES AND SIMILAR ARTICLES
Oswald B. Carson, Bronxville, N. Y., assignor to American Hard Rubber Company, New York, N. Y.
Application March 12, 1940, Serial No. 90,844
Term of patent 7 years



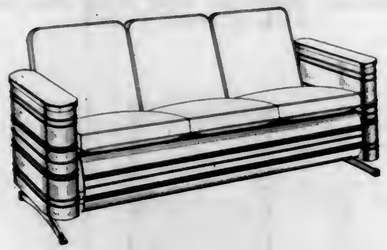
The ornamental design for a receptacle for batteries and similar articles, as shown.

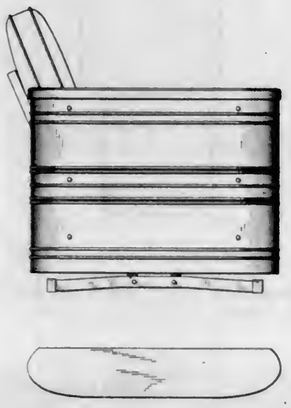
120,527
DESIGN FOR A COMBINATION LAMP AND MIRROR OR SIMILAR ARTICLE
Harry B. Gross, Brooklyn, N. Y.
Application March 8, 1940, Serial No. 90,770
Term of patent 3½ years



The ornamental design for a combination lamp and mirror or similar article, as shown and described.

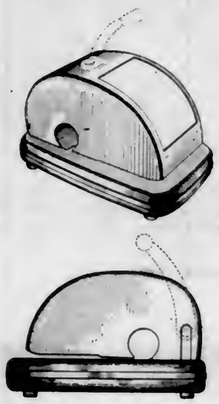
120,528
DESIGN FOR A GLIDER
Carl H. Oermann, York, Pa.
Application March 6, 1940, Serial No. 90,716
Term of patent 7 years





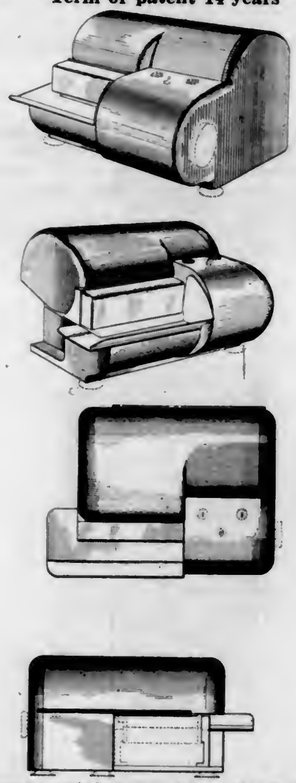
The ornamental design for a glider, as shown.

120,529
DESIGN FOR A CASING FOR A CHECK WRITING MACHINE OR SIMILAR ARTICLE
Walter B. Payne, Rochester, and Henry Dreyfuss, New York, N. Y.
Application March 8, 1940, Serial No. 90,774
Term of patent 14 years



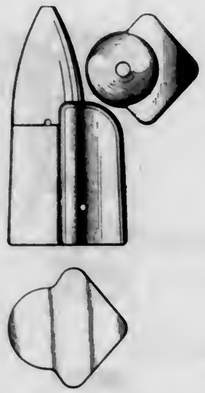
The ornamental design for a casing for a check writing machine or similar article, substantially as shown and described.

120,530
DESIGN FOR A CHECK IMPRINTING MACHINE OR SIMILAR ARTICLE
Gilbert L. Pierce, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
Application July 3, 1939, Serial No. 85,822
Term of patent 14 years



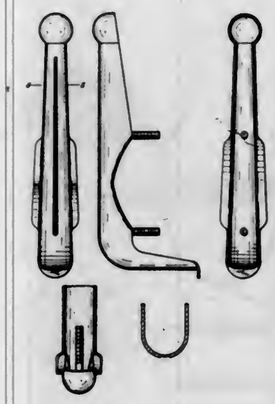
The ornamental design for a check imprinting machine or similar article, substantially as shown and described.

120,531
DESIGN FOR AN ELECTRIC VAPORIZER
Joseph Robinson, New York, N. Y.
Application November 25, 1938, Serial No. 81,337
Term of patent 7 years



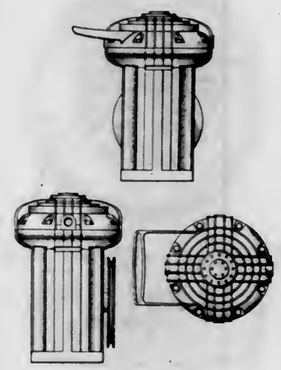
The ornamental design for an electric vaporizer, substantially as shown.

120,532
DESIGN FOR AN AUTOMOBILE GRILLE GUARD
Theodore J. Scofield, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application March 15, 1940, Serial No. 90,970
Term of patent 3½ years



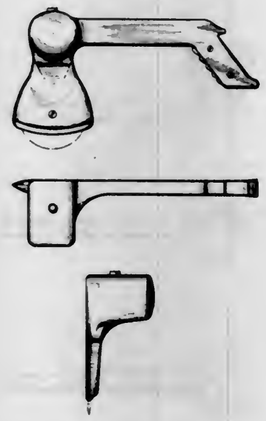
The ornamental design for an automobile grille guard, substantially as shown.

120,533
DESIGN FOR A FLUID PUMP OR THE LIKE
Glenn W. Tammen, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 13, 1940, Serial No. 90,897
Term of patent 7 years



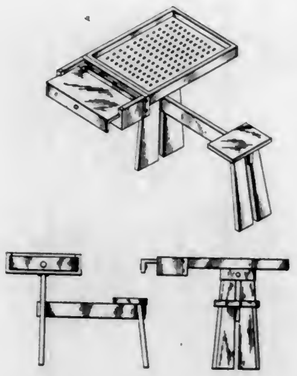
The ornamental design for a fluid pump or the like, substantially as shown.

120,534
DESIGN FOR AN ELECTRIC HANDSAW
George T. Wax, Baton Rouge, La.
Application November 30, 1939, Serial No. 88,577
Term of patent 14 years



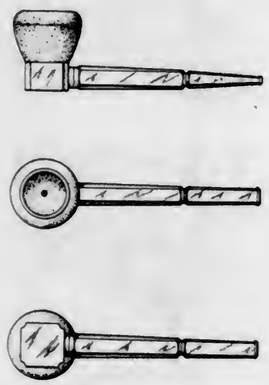
The ornamental design for an electric handsaw, as shown.

120,535
DESIGN FOR A PLAY TABLE
Harry Zimmerman, New York, N. Y.
Application February 23, 1940, Serial No. 90,449
Term of patent 7 years



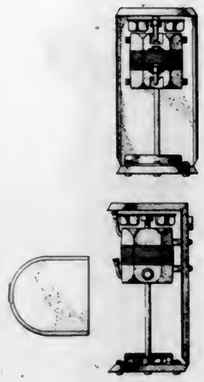
The ornamental design for a play table, as shown.

120,536
DESIGN FOR A PIPE
George T. Ash, Washington, D. C.
Application January 27, 1940, Serial No. 90,074
Term of patent 3½ years



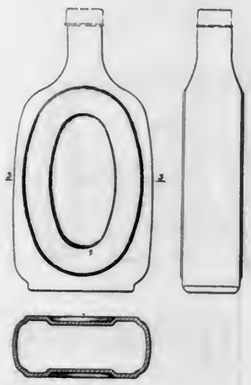
The ornamental design for a pipe, as shown.

120,537
DESIGN FOR A PUMP
Thomas G. Beckett, Dallas, Tex.
Application November 9, 1939, Serial No. 88,154
Term of patent 3½ years



The ornamental design for a pump, as shown.

120,538
DESIGN FOR A BOTTLE
Hyman C. Berkowitz, Boston, Mass., assignor to Ben-Burk, Inc., Boston, Mass., a corporation of Massachusetts
Application January 5, 1940, Serial No. 89,320
Term of patent 14 years



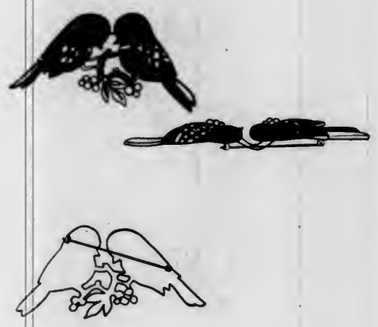
The ornamental design for a bottle, substantially as shown.

120,539
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application February 15, 1940, Serial No. 90,273
Term of patent 3½ years



The ornamental design for a pin or similar article, substantially as shown.

120,540
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application February 15, 1940, Serial No. 90,274
Term of patent 3½ years



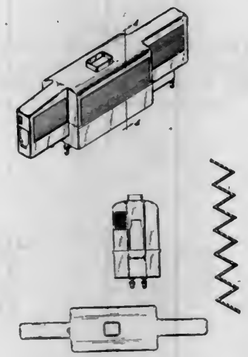
The ornamental design for a pin or similar article, substantially as shown.

120,541
DESIGN FOR AN ASH TRAY
James K. Boyd, Wilkinsburg, Pa.
Application November 18, 1939, Serial No. 88,353
Term of patent 14 years



The ornamental design for an ash tray, substantially as shown.

120,542
DESIGN FOR A CASING FOR A COMBINED MILK CAN WASHER, STERILIZER, AND DRIER
Willard S. Campbell, Hampshire, Ill.
Application February 21, 1940, Serial No. 90,409
Term of patent 7 years



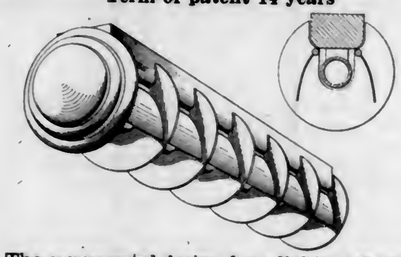
The ornamental design for a casing for a combined milk can washer, sterilizer, and drier, substantially as shown and described.

120,543
DESIGN FOR A STOCKING
Rose Carafa, New York, N. Y.
Application November 7, 1939, Serial No. 88,114
Term of patent 7 years



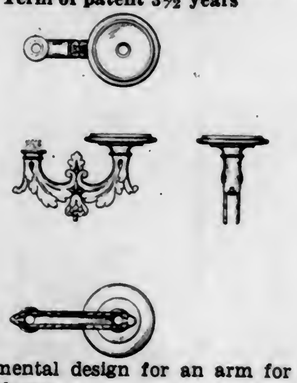
The ornamental design for a stocking, as shown.

120,544
DESIGN FOR A LIGHTING FIXTURE
Thomas A. Carter, Jr., Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application December 23, 1939, Serial No. 89,104
Term of patent 14 years



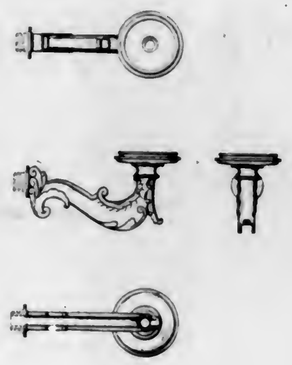
The ornamental design for a lighting fixture, as shown.

120,545
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application January 2, 1940, Serial No. 89,254
Term of patent 3½ years



The ornamental design for an arm for lamp fixtures, as shown.

120,546
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application January 2, 1940, Serial No. 89,255
Term of patent 3½ years



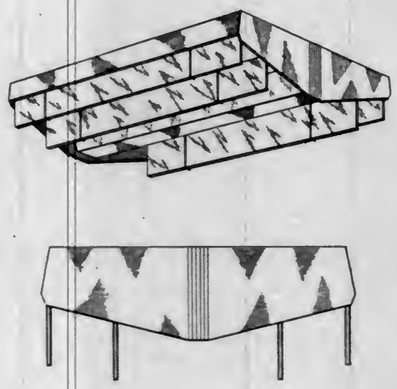
The ornamental design for an arm for lamp fixtures, as shown.

120,547
DESIGN FOR A SALTCELLAR OR SIMILAR CONTAINER
Harry C. Gessler, Brooklyn, N. Y.
Application March 11, 1940, Serial No. 90,827
Term of patent 7 years



The ornamental design for a saltcellar or similar container, substantially as shown.

120,548
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Edwin F. Guth, St. Louis, Mo.
Application February 29, 1940, Serial No. 90,594
Term of patent 3½ years



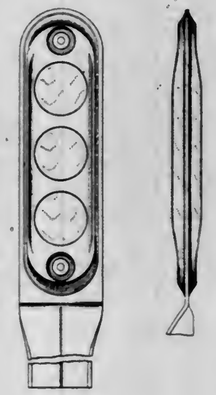
The ornamental design for a fluorescent lighting fixture, as shown.

120,549
DESIGN FOR A REFLECTOR SIGNAL DEVICE OR THE LIKE
John C. Haggart, Jr., Westfield, N. J., assignor to Signal Service Corporation, a corporation of Delaware
Application September 2, 1939, Serial No. 87,028
Term of patent 14 years



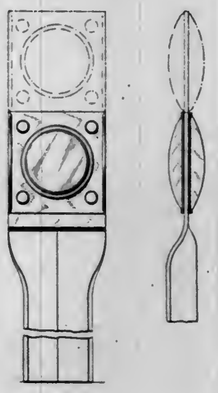
The ornamental design for a reflector signal device or the like, as shown and described.

120,550
DESIGN FOR A REFLECTOR SIGNAL DEVICE OR THE LIKE
John C. Haggart, Jr., Westfield, N. J., assignor to Signal Service Corporation, a corporation of Delaware
Application September 2, 1939, Serial No. 87,029
Term of patent 14 years



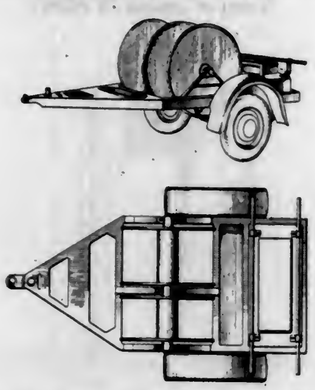
The ornamental design for a reflector signal device or the like, as shown.

120,551
DESIGN FOR A REFLECTOR SIGNAL DEVICE OR THE LIKE
John C. Haggart, Jr., Westfield, N. J., assignor to Signal Service Corporation, a corporation of Delaware
Application September 2, 1939, Serial No. 87,030
Term of patent 14 years



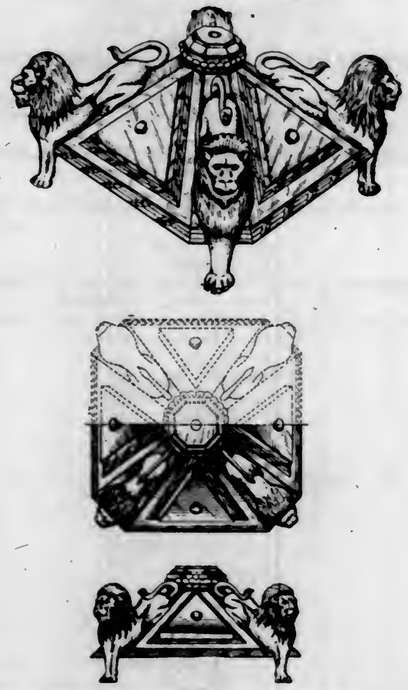
The ornamental design for a reflector signal device or the like, as shown and described.

120,552
DESIGN FOR A PORTABLE FIRE PUMP UNIT
Richard D. Kaul, Fairfield, Conn., assignor to The Sealand Corporation, Bridgeport, Conn., a corporation of Connecticut
Application January 3, 1940, Serial No. 89,271
Term of patent 7 years



The ornamental design for a portable fire pump unit, as shown.

120,553
DESIGN FOR A LAMP BASE
James Kernes, Chicago, Ill.
Application December 7, 1939, Serial No. 88,746
Term of patent 3½ years



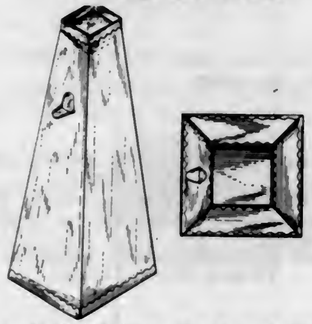
The ornamental design for a lamp base, as shown and described.

120,554
DESIGN FOR A LAMP
Edward S. Lynch, New York, N. Y.
Application March 2, 1940, Serial No. 90,641
Term of patent 7 years



The ornamental design for a lamp, as shown.

120,555
DESIGN FOR A MILK BOTTLE
Claude E. Pope, Oakland, Calif.
Application May 11, 1938, Serial No. 77,128
Term of patent 14 years



The ornamental design for a milk bottle, substantially as shown.

120,556
DESIGN FOR A PIPE OR SIMILAR ARTICLE
Louis J. Robertson, New York, N. Y.
Application October 25, 1938, Serial No. 80,670
Term of patent 3½ years



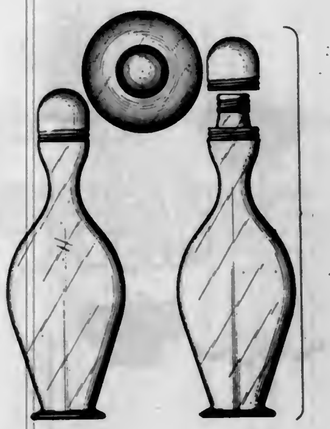
The ornamental design for a pipe or similar article, as shown.

120,557
DESIGN FOR A CIGAR BOX
Arthur Abraham Schwarz, New York, N. Y., assignor to Max Schwarz Manufacturer "La Primadora" Havana Cigars Ltd., New York, N. Y., a corporation of New York
Application January 11, 1939, Serial No. 82,298
Term of patent 14 years



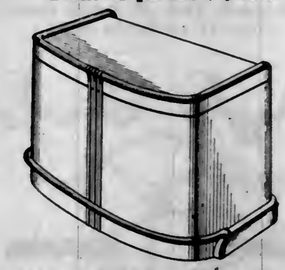
The ornamental design for a cigar box, as shown.

120,558
DESIGN FOR A BOTTLE
Joseph Sochurek, Milwaukee, Wis.
Application January 2, 1940, Serial No. 89,261
Term of patent 7 years



The ornamental design for a bottle, as shown.

120,559
DESIGN FOR A CIGARETTE CONTAINER
Malcolm A. Vendig, Sands Point, Long Island, N. Y.
Application December 16, 1939, Serial No. 88,939
Term of patent 7 years



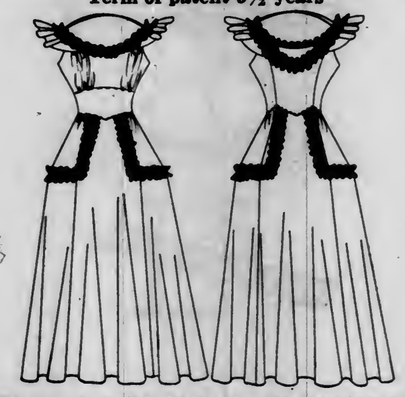
The ornamental design for a cigarette container, substantially as shown and described.

120,560
DESIGN FOR A PIN CLIP
Joseph Wuyts, New York, N. Y.
Application March 8, 1940, Serial No. 90,757
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

120,561
DESIGN FOR AN EVENING GOWN
Harry Berman, New York, N. Y.
Application April 18, 1940, Serial No. 91,747
Term of patent 3½ years



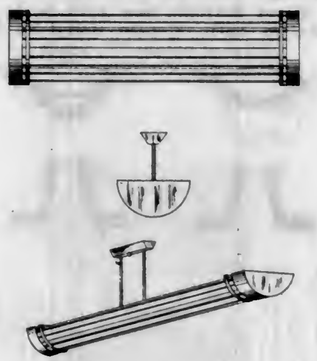
The ornamental design for an evening gown, substantially as shown.

120,562
DESIGN FOR AN EVENING GOWN
Harry Berman, New York, N. Y.
Application April 18, 1940, Serial No. 91,748
Term of patent 3½ years



The ornamental design for an evening gown, substantially as shown.

120,563
DESIGN FOR A FLUORESCENT LAMP FIXTURE
Orrick H. Biggs, Beverly, and Charles F. MacCarthy, Salem, Mass., assignors to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application November 8, 1939, Serial No. 88,126
Term of patent 14 years



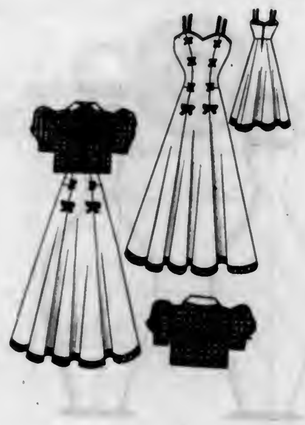
The ornamental design for a fluorescent lamp fixture, as shown and described.

120,564
DESIGN FOR A DRESS
Samuel Grossman, Chicago, Ill.
Application February 23, 1940, Serial No. 90,452
Term of patent 3½ years



The ornamental design for a dress, as shown.

120,565
DESIGN FOR A DRESS ENSEMBLE
Aline Henry, New York, N. Y.
Application April 12, 1940, Serial No. 91,621
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

120,566
DESIGN FOR A DRESS ENSEMBLE
Samuel King, Boston, Mass.
Application April 18, 1940, Serial No. 91,749
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

120,567
DESIGN FOR A DRESS ENSEMBLE
Samuel King, Boston, Mass.
Application April 18, 1940, Serial No. 91,750
Term of patent 3½ years



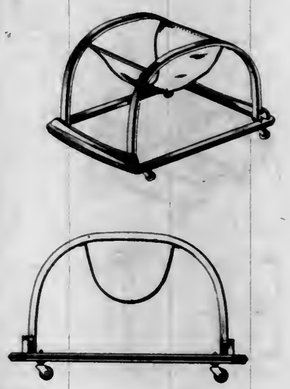
The ornamental design for a dress ensemble, substantially as shown.

120,568
DESIGN FOR A KEY HOLDER
Sylvester G. Lipic, St. Louis, Mo.
Application December 16, 1939, Serial No. 88,943
Term of patent 14 years



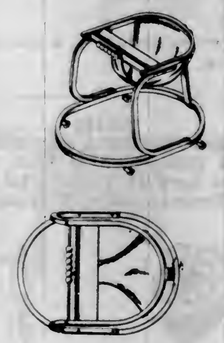
The ornamental design for a key holder, as shown and described.

120,569
DESIGN FOR A BABY'S WALKER OR SIMILAR ARTICLE
Leslie Peltier, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio
Application March 26, 1940, Serial No. 91,260
Term of patent 14 years



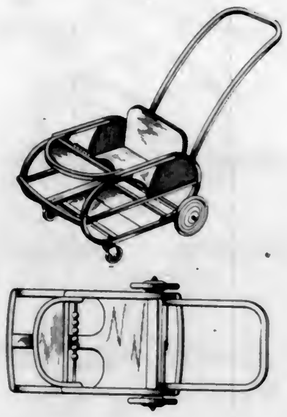
The ornamental design for a baby's walker or similar article, as shown.

120,570
DESIGN FOR A BABY'S WALKER OR SIMILAR ARTICLE
Leslie Peltier, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio
Application March 26, 1940, Serial No. 91,261
Term of patent 14 years



The ornamental design for a baby's walker or similar article, as shown.

120,571
DESIGN FOR A COMBINATION CHILD'S WALKER AND STROLLER OR SIMILAR ARTICLE
Leslie Peltier, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio
Application March 26, 1940, Serial No. 91,262
Term of patent 14 years



The ornamental design for a combination child's walker and stroller or similar article, as shown.

120,572
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application April 11, 1940, Serial No. 91,598
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

120,573
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application April 11, 1940, Serial No. 91,599
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

120,574
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application April 11, 1940, Serial No. 91,600
Term of patent 3½ years



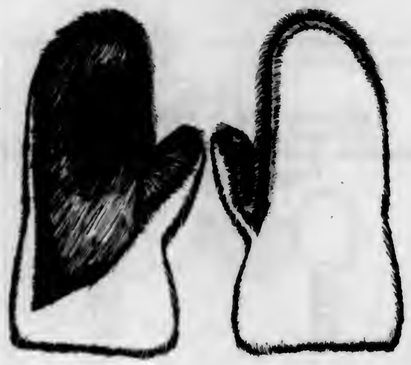
The ornamental design for a pin clip, substantially as shown.

120,575
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application April 11, 1940, Serial No. 91,601
Term of patent 3½ years



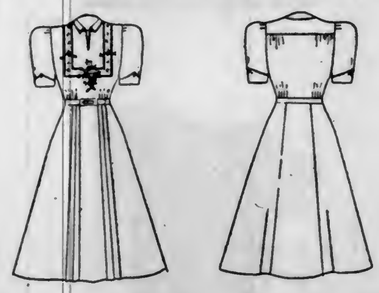
The ornamental design for a pin clip, substantially as shown.

120,576
DESIGN FOR A MITTEN
Louis Postman, New York, N. Y.
Application February 12, 1940, Serial No. 90,210
Term of patent 3½ years



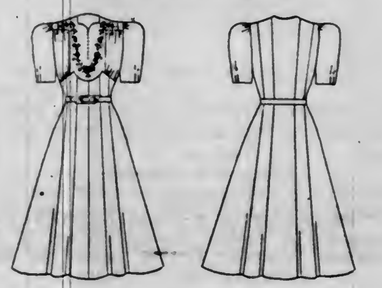
The ornamental design for a mitten, substantially as shown and described.

120,577
DESIGN FOR A DRESS
Sara Schwartz, Brooklyn, N. Y.
Application April 6, 1940, Serial No. 91,513
Term of patent 3½ years



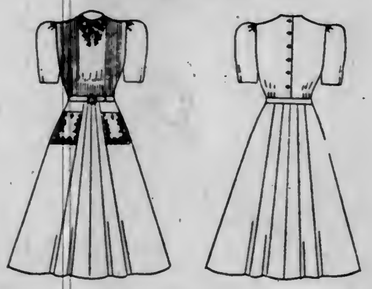
The ornamental design for a dress, substantially as shown.

120,578
DESIGN FOR A DRESS
Sara Schwartz, Brooklyn, N. Y.
Application April 6, 1940, Serial No. 91,514
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,579
DESIGN FOR A DRESS
Sara Schwartz, Brooklyn, N. Y.
Application April 6, 1940, Serial No. 91,515
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

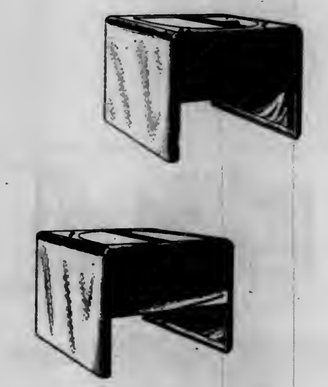
514 O. G.—36

120,580
DESIGN FOR A DRESS
Sara Schwartz, Brooklyn, N. Y.
Application April 6, 1940, Serial No. 91,516
Term of patent 3½ years



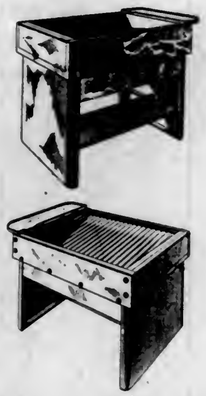
The ornamental design for a dress, substantially as shown.

120,581
DESIGN FOR A PLATE WHIRLER
Glenn W. Tammen, Chicago, Ill., assignor to American Type Founders, Inc., Elizabeth, N, J., a corporation of New Jersey
Application July 20, 1939, Serial No. 86,109
Term of patent 7 years



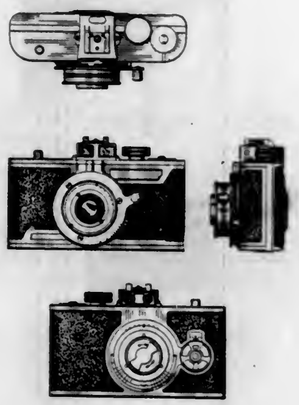
The ornamental design for a plate whirler, as shown and described.

120,582
DESIGN FOR A PLATEMAKER'S SINK
Glenn W. Tammen, Chicago, Ill., assignor to American Type Founders, Inc., Elizabeth, N. J., a corporation of New Jersey
Application February 28, 1940, Serial No. 90,576
Term of patent 7 years



The ornamental design for a platemaker's sink, as shown.

120,583
DESIGN FOR A CAMERA
Otto K. Cazin, Hoboken, N. J., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application March 20, 1940, Serial No. 91,097
Term of patent 7 years



The ornamental design for a camera, substantially as shown.

120,584
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Max L. Cohen, New York, N. Y.
Application April 11, 1940, Serial No. 91,594
Term of patent 3½ years



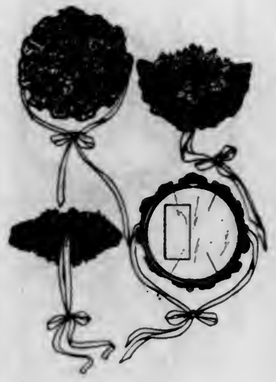
The ornamental design for a textile fabric or similar article, substantially as shown and described.

120,585
DESIGN FOR A SNOOD-SCARF
Alexandre M. Grean, Mount Vernon, N. Y.
Application November 4, 1939, Serial No. 88,038
Term of patent 3½ years



The ornamental design for a snood-scarf, substantially as shown.

120,586
DESIGN FOR A CONVERTIBLE PURSE
Mercedes Hall, New York, N. Y.
Application March 12, 1940, Serial No. 90,841
Term of patent 3½ years



The ornamental design for a convertible purse, substantially as shown.

120,587
DESIGN FOR A JAR
Ernest A. Hinkins, Washington, Pa., assignor to Tygart Valley Glass Company, Washington, Pa., a corporation of West Virginia
Application January 19, 1940, Serial No. 89,581
Term of patent 7 years



The ornamental design for a jar, as shown.

120,588
DESIGN FOR A SHOE
George J. Mosher, Brockton, Mass., assignor to The Conrad Shoe Company, North Abington, Mass., a corporation of Massachusetts
Application March 26, 1940, Serial No. 91,255
Term of patent 7 years



The ornamental design for a shoe, substantially as shown.

120,589
DESIGN FOR A NECKLACE
Alfred Philippe, New York, N. Y.
Application April 13, 1940, Serial No. 91,651
Term of patent 3½ years



The ornamental design for a necklace, substantially as shown.

120,590
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application April 13, 1940, Serial No. 91,652
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

120,591
DESIGN FOR A NECKLACE
Alfred Philippe, New York, N. Y.
Application April 13, 1940, Serial No. 91,653
Term of patent 3½ years



The ornamental design for a necklace, substantially as shown.

120,592
DESIGN FOR A NECKLACE
Alfred Philippe, New York, N. Y.
Application April 13, 1940, Serial No. 91,654
Term of patent 3½ years



The ornamental design for a necklace, substantially as shown.

120,593
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application April 13, 1940, Serial No. 91,655
Term of patent 3½ years



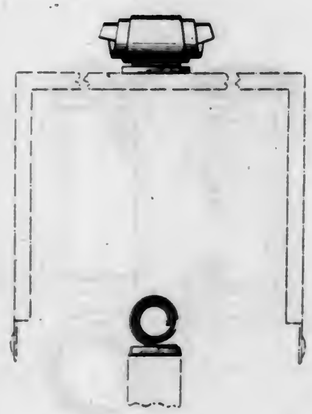
The ornamental design for a bracelet, substantially as shown.

120,594
DESIGN FOR A NECKLACE
Alfred Philippe, New York, N. Y.
Application April 13, 1940, Serial No. 91,656
Term of patent 3½ years



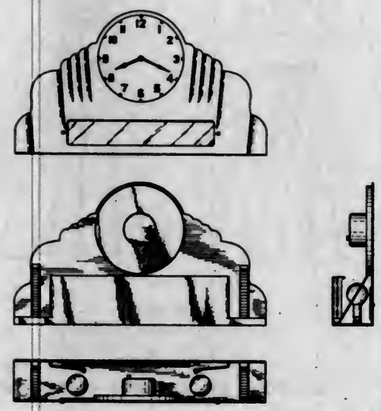
The ornamental design for a necklace, substantially as shown.

120,595
DESIGN FOR A HANDBAG FRAME OR THE LIKE
William J. Reilly, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application March 23, 1940, Serial No. 91,201
Term of patent 3½ years



The ornamental design for a handbag frame or the like, as shown and described.

120,596
DESIGN FOR AN ADVERTISING DISPLAY UNIT OR SIMILAR ARTICLE
Charles J. Strauss, Wheeling, W. Va., assignor to Advertising Corporation of West Virginia, Wheeling, W. Va., a corporation of West Virginia
Application January 30, 1940, Serial No. 89,881
Term of patent 7 years



The ornamental design for an advertising display unit or similar article, substantially as shown.

120,597
DESIGN FOR A DRESS
Leo Bellinson, New York, N. Y.
Application April 25, 1940, Serial No. 91,936
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,598
DESIGN FOR A DRESS
Morris Birnbaum, New York, N. Y.
Application April 17, 1940, Serial No. 91,724
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,599
DESIGN FOR A DRESS
Morris Birnbaum, New York, N. Y.
Application April 17, 1940, Serial No. 91,723
Term of patent 3½ years



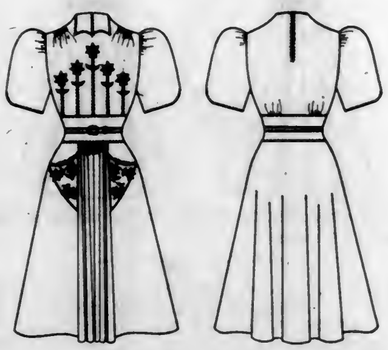
The ornamental design for a dress, substantially as shown.

120,600
DESIGN FOR A DRESS
Paul Calick, New York, N. Y.
Application March 23, 1940, Serial No. 91,184
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

120,601
DESIGN FOR A DRESS
Jacob J. Kushner, New York, N. Y.
Application April 20, 1940, Serial No. 91,792
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,602
DESIGN FOR A DRESS
Jacob J. Kushner, New York, N. Y.
Application April 20, 1940, Serial No. 91,793
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,603
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 23, 1940, Serial No. 91,881
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,604
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application April 25, 1940, Serial No. 91,930
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

120,605
DESIGN FOR A DRESS
Syd Novak, Chicago, Ill.
Application April 25, 1940, Serial No. 91,934
Term of patent 3½ years



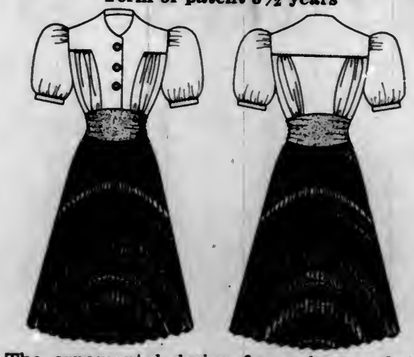
The ornamental design for a dress, substantially as shown.

120,606
DESIGN FOR A DRESS
Syd Novak, Chicago, Ill.
Application April 25, 1940, Serial No. 91,931
Term of patent 3½ years



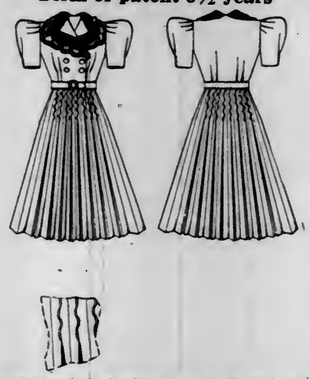
The ornamental design for a dress, substantially as shown.

120,607
DESIGN FOR A DRESS
Ruth Richman, New York, N. Y.
Application April 20, 1940, Serial No. 91,794
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,608
DESIGN FOR A DRESS
Samuel Ruchman, New York, N. Y.
Application April 23, 1940, Serial No. 91,882
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

THE

OFFICIAL GAZETTE

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May 21, 1940

Trade Marks	176	No. 377,897 to No.	378,072,	inclusive.
T. M. Renewals	58			
Labels	16	No. 54,767 to No.	54,782,	inclusive.
Labels Renewed	1			
Prints	7	No. 17,970 to No.	17,976,	inclusive.
Reissues	10	No. 21,452 to No.	21,461,	inclusive.
Patents	842	No. 2,201,132 to No.	2,201,973,	inclusive.
Designs	113	No. 120,609 to No.	120,721,	inclusive.
Total	1,223			

Notice

This Office has been notified by the Secretary of State of the receipt on April 4, 1940, from the Minister of Finland at Washington of the following decree, dated January 5, 1940, regarding the temporary prorogation of payments in connection with applications for patents and patents already granted.

CONWAY P. COE,
Commissioner.

DECREE

extending certain time limits for the deposit of applications for patents and for patents granted.

Issued at Helsinki on January 5, 1940

On the report of the Minister of Commerce and Industry the following is decreed:

Article One

In derogation of the provisions of the ordinance of January 21, 1898, relative to patents, *the time limits hereinafter mentioned are extended*, provided however they did not expire prior to October, 1939, until further order and until, by a new decree, it shall be decided otherwise:

1° time limit for the payment of regular or additional annual taxes on patents;

2° time limit for application for recovery of the validity of a patent forfeited because of non-payment of taxes;

3° time limit for the payment of annual taxes falling due when a patent shall have been put into force again;

4° time limit for opposing a published application for a patent;

5° time limit during which one and the same depositor or his assignee may, without an application for a patent previously made abroad standing in the way of its newness, apply for a patent in Finland;

6° time limit during which, starting from the deposit of the application made abroad, the patent must be applied for in Finland in order that the depositor may be maintained in the enjoyment of the right of priority provided for by the decree of September, 1921; and

7° time limit during which the decision of the Patent Office shall be appealed to the competent authority.

There shall be likewise extended the time limit for requesting that the investigation of the matter be placed on the agenda of a full meeting of the Patent Office.

Article Two

A national of a foreign country with no fixed abode in Finland shall only enjoy the extensions of time limits provided for by Article One subject to a corresponding privilege being granted in his country, as a measure of reciprocity, to the nationals of Finland. However, subject to reciprocity, and until otherwise decided, such time limit mentioned in Article One as shall have expired on November 30, 1939, or after that date, and which a national of a country adhering to the Convention of Union for the Protection of Industrial Property shall have been required to comply with, shall be extended for one month; in case such a time limit shall have expired prior to the coming into effect of the present decree, it shall be extended for one month starting from the day of its coming into effect.

KYOSTI KALLIO,
President of the Republic.
M. A. KOTILAINEN,
Minister of Commerce and Industry.

HELSINKI, *January 5, 1940.*

Adjudicated Patents

(C. C. A. N. Y.) Leake patent, No. 1,770,932, for method of strengthening structural members under load, claims 1, 6, 12, and 14 *Held* invalid. *Leake* v. *New York Cent. R. Co.*, 110 F.(2d) 166.

(C. C. A. Mich.) Stubnitz patent, No. 2,031,745, for combination air and spring cushion seat and the like, claims 7, 8, and 9 *Held* infringed. *Stubnitz-Greene Spring Corporation* v. *Fort Pitt Bedding Co.*, 110 F.(2d) 192.

(D. C. Pa.) Fullman reissue patent, No. 20,873, for connector for electrical conduits, *Held* invalid. *Thomas & Betts Co.* v. *Steel City Electric Co.*, 31 F. Supp. 812.

Condition of Applications Under Examination at Close of Business May 4, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,979; Trade-Mark Division, 1,470. Oldest new case, Sept. 15, 1939; oldest amended, Sept. 18, 1939.)
(The dates given are 1939 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Dec. 11	Dec. 11	527
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Nov. 6	Oct. 25	875
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Mar. 4	†Mar. 7	295
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Dec. 4	Nov. 24	554
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons.	†Feb. 12	†Feb. 15	348
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 21	Oct. 27	992
5725	7. JARBOE, C. G., Optics; Photography	Dec. 22	Dec. 22	974
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Nov. 8	Nov. 8	1,037
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 7	Nov. 14	771
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	†Jan. 23	†Feb. 26	393
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Feb. 12	†Feb. 12	366
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Dec. 15	Dec. 5	517
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 27	Nov. 20	666
5097	14. REYNOLDS, E. L., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Jan. 19	†Jan. 12	646
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 8	Nov. 15	1,207
5716	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 14	Dec. 15	544
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 22	Dec. 27	613
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 15	Nov. 24	611
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Jan. 12	†Jan. 17	487
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	†Jan. 2	†Feb. 1	296
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Jan. 24	†Jan. 25	476
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Sept. 25	Sept. 25	1,172
7624	23. BUTTNER, W. J., Registers (part)	Oct. 16	Sept. 20	286
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 26	Sept. 28	1,482
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	†Jan. 11	†Jan. 8	515
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Dec. 4	Dec. 8	437
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Nov. 7	Oct. 26	850
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Nov. 25	Nov. 20	512
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 14	Nov. 15	911
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Dec. 29	Dec. 27	741
4716	31. DUNOOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 30	Dec. 30	962
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Dec. 22	Dec. 20	215
6906	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	†Jan. 4	†Jan. 8	930
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	†Mar. 5	†Feb. 26	233
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Dec. 11	Dec. 26	749
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Dec. 5	Dec. 11	726
5686B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 15	Dec. 14	607
2084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering: Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Oct. 10	Oct. 12	736
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 3	†Jan. 3	582
7880	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	Oct. 4	Oct. 4	1,981
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Dec. 8	Dec. 6	274
5882	42. CUTTING, H. O., Electric Signaling	Oct. 19	Oct. 2	727
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	†Jan. 5	Dec. 22	444
4087B	44. HARVEY, L. P., Refrigeration	Nov. 16	Nov. 17	672
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Feb. 7	†Jan. 26	446
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Dec. 9	Dec. 9	722
6062	47. KANOF, W. J. (Act.), Clutches; Brakes	†Jan. 4	†Jan. 5	494
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 18	Dec. 18	479
7726	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 1	Nov. 1	923
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Dec. 4	Dec. 11	1,453
5628	51. BACKUS, C. D., Radiant Energy (part)	†Feb. 21	†Mar. 1	577
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 21	Dec. 23	573
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Lable Pasting and Paper Hanging.	Dec. 14	Nov. 16	346
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	†Mar. 6	†Mar. 7	251
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Dec. 12	Dec. 11	500
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Nov. 4	Nov. 4	1,255
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 21	†Jan. 12	366
5905	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 29	Nov. 30	462
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 17	Nov. 17	846
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	†Feb. 17	†Feb. 19	346
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Nov. 30	Dec. 2	616
5621	62. PUGH, E. O., Games; Geometrical Instruments	†Mar. 2	†Feb. 10	309
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Oct. 10	Oct. 6	1,148
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Jan. 31	†Jan. 31	597
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Feb. 8	†Jan. 26	435
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	†Apr. 1	†Apr. 19	1,365
	(Labels and Prints	†Apr. 17	†Apr. 15	106
2605	Designs: H. H. KALUPY	†Mar. 27	†Apr. 10	844

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE WEYANDT

No. 4,219. Decided December 26, 1939

[108 F.(2d) 246]

PATENTABILITY—ELECTRO-MAGNETIC VIBRATING SYSTEM.

Claims for an electro-magnetic vibrating system *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Horace B. Fay (*Mr. Spencer B. Michael* of counsel) for Weyandt.

Mr. Howard S. Miller for the Commissioner of Patents.

GARRETT, *P. J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner rejecting, as unpatentable over the prior art cited, two claims, numbered respectively 3 and 11, in an application for patent entitled, "Electro-Magnetic Vibrating Systems." No claims were allowed. The appealed claims read:

3. In apparatus of the character described, the combination of a vibratory screen, an electromagnet for vibrating said screen, a thermionic valve including a filament and plate, through which the circuit from a suitable source of supply to said electromagnet is completed, a main switch and means mechanically connected to said main switch for energizing said filament for a predetermined time interval before the circuit through said valve to said electromagnet is closed.

11. In apparatus of the character described, the combination of a vibratory screen, a vibratory feeder for said screen, a plurality of electromagnets respectively adapted to actuate said screen and feeder, a single source of alternating current supply, means including a plurality of thermionic valves each provided with filament and plate units through which pulsating current is supplied respectively to said electromagnets, a main switch, and means mechanically connected to said switch for energising said filaments for a predetermined time interval before the circuit through said valves to said electromagnets is closed.

The references cited are: Woodruff, 562,750, June 23, 1896; Dawson, 1,928,812, October 3, 1933.

The Board states:

The claims on appeal relate to a system comprising a screen for screening granular material. The screen is of the vibrating type. A hopper is provided for the screen. Separate electromagnetic means are provided on the screen and hopper, respectively, for independently vibrating the same. Both of the electromagnetic vibrators are supplied by pulsating current derived from a thermionic electric valve.

The subject matter involved is, in some of its phases, quite technical in character as is the reference patent to Dawson, entitled, "Control Apparatus."

The patent to Woodruff is for a grain separator. It does not embrace any electrical operating features—at least none are mentioned therein. Broadly, it discloses the combination of a hopper, into which uncleaned grain may be fed, with a screen for grading the grain, and teaches that hopper and screen may be separately vibrated by mechanical means described.

The Examiner rejected both claims on prior art. Claim 3 was rejected on Dawson alone and claim 11 on Dawson in view of Woodruff. Claim 3 was also rejected—

"on the ground that it defines an exhausted combination and that the invention if any, resides in the electric control circuit or the time delay relay per se, rather than in the combination of a vibrating screen with the specific circuit."

The Board specifically approved all grounds of rejection set forth by the Examiner.

Appellant emphasizes two features of his combination which, it is claimed, are not taught or disclosed by the prior art. These are present in both claims and are identified as "a main switch" and "means mechanically connected to said main switch" for performing the function of energizing certain filaments for a predetermined time interval before the circuit through the thermionic valve, or valves, to the electromagnet, or electromagnets, is closed. It will be noted that claim 11 defines a plurality of electromagnets and a plurality of thermionic valves while claim 3 requires only one of each.

Under the heading "The Nature of Appellant's Problem", the brief on his behalf states:

For many years sorting and grading apparatus for bulk materials has been equipped with vibrators, and such vibrators have required special equipment to produce current of the desired wave form.

In order to avoid the use of expensive motor generator sets and auxiliary equipment for producing current of the desired wave form for this purpose, appellant conceived the idea of using a thermionic tube for producing the desired wave form, such a tube being relatively inexpensive, readily replaceable and well adapted for the purpose in hand.

The primary drawback to the use of such tube, as appellant discovered, was the fact that the filament of the tube was not permitted to become heated up before the load was thrown in, and this resulted in injury to the tube or the complete destruction of the tube by burning. Appellant further found that in order to avoid such injury or burning of the tubes, the filament of the tube should be heated for from eight to ten seconds before throwing in the vibrator load.

Under the heading "Appellant's Solution and Invention", the brief continues:

In order to thus preheat the filament for a predetermined time interval, appellant conceived the idea of using a time delay mechanism which, when the main line switch is manually closed, functions to permit the main line to heat the filament for such interval, and to then automatically throw on the load to the vibrator.

A description of appellant's system and its operation is given in his brief, references being made by numerals to the various features involved in the combination as shown in the drawings.

This description need not be repeated here in detail.

It is sufficient to state that appellant discloses a system, or device, by means of which granular materials such as sand, gravel, and the like may be graded, or separated as to sizes, by passing the materials through a screen after (when desired) such materials are fed to the screen from a hopper, such grading or separation being accomplished by vibrating the hopper and screen separately, the motive force of the vibrations being electrical energy. In other words, appellant utilizes electricity for "shaking" the screen and the feed hopper. To do this, his system necessarily requires a main switch—by the operation of which the electrical energy is made effective, bringing about the vibration or "shaking" desired, and means are me-

chanically connected with the switch for the purpose indicated in the claims. A thermionic tube, or a plurality of such, constitutes a feature, or features, of the combination.

It is observed that in his brief appellant claims to have discovered that the primary drawback in the use of such tubes was the fact that the filament was not permitted to become "heated up" before the load was thrown in, thus causing injury to, or destruction of, the tube, and devised the mechanically connected means to overcome this difficulty by preheating the tube.

While appellant may have made this discovery independently, it nevertheless appears that he was not the first to teach it. In the specification of the Dawson patent we find the following:

> The cathode 71 of the tube requires considerable time to be heated to a proper temperature for emitting, and it is seriously impaired if it emits before it reaches this temperature. A time delay relay 93 is therefore provided for preventing the application of the requisite potential between the anode 69 and the cathode 71 of the tube 67 until the cathode has attained a proper temperature.

So, we have in Dawson the definite teaching of the problem and disclosure of means for its solution. It is true, as the Board points out, that Dawson's means are electrical in type and no mechanical connection is shown between the main switch (which, incidentally, is not disclosed in Dawson but which, obviously, must be an element in his combination) and the time delay device, but we concur in the view that it did not constitute invention to make the substitution defined by appellant. It may be that in appellant's "means" per se there is a patentable element, but this would not of itself render patentable the combination in which such means is used. As was said by the Examiner, "Nothing is specified as to the nature * * * of the mechanical connection."

Claim 3, we think, was properly rejected on Dawson, and claim 11 on Dawson in view of Woodruff.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE LEWIS

No. 4,201. Decided December 26, 1939

[108 F.(2d) 248]

1. PATENTABILITY—PRODUCT CLAIMS.

"As to appellant's contention concerning new and different function, it is merely necessary to state that the patentability of a product claim must be found in the product itself and not solely upon an alleged function asserted for the product."

2. SAME—LUBRICATING OIL COMPOSITION.

Certain claims for a mineral lubricating oil composition *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. James M. Graves for Lewis.

Mr. Howard S. Miller for the Commissioner of Patents.

JACKSON, *J.*:

This appeal is from a decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner which rejected for want of patentability over the prior art product claims 7 to 12 inclusive of an application for a patent alleging new and useful improvements in "Lubricating Oil and Lubrication Therewith." Six method claims were allowed.

Claim 12 is illustrative. It reads:

> 12. Mineral oil composition, comprising a hydrocarbon lubricating oil of a character normally tending to corrode alloys of the type of having substantially the corrosion susceptibility characterizing cadmium-silver, cadmium-nickel and copper-lead alloys when continuously applied to the surface thereof under service conditions, and thio di-beta naphthylamine incorporated with said oil in corrosion inhibiting proportions.

The cited reference is: Bartram, 2,006,756, July 2, 1935.

The subject matter herein is sufficiently set forth in the illustrative claim.

The reference relates to a composition of matter comprising oil products of different types for use as liquid fuels in internal combustion engines, as lubricating oil, as transformer oil and as a circulating medium in oil bearing systems and the like. It discloses that various substances, among them thio di-beta naphthylamine, may be added to oil when it is desirable to employ an improved and satisfactory stable mineral oil. The quantity of thio di-beta naphthylamine which is employed is shown by the specification of the patent to be approximately 0.001 to 0.05% of the weight of the oil. While the reference does not show the degree of refinement to which the mineral oil is subjected, it teaches that the addition of small amounts of said compound to the lubricating oil results in stabilization of the oil.

The Examiner held that the said teaching of the patent would make it apparent to one skilled in the art that all lubricating oils, including those of the highly refined type, could be stabilized in this manner. He concluded that the non-corrosive property of all mineral lubricating oils, containing small amounts of thio di-beta naphthylamine, when applied to cadmium-silver, cadmium-nickel and copper-lead alloys would be necessarily inherent. The Board of Appeals agreed with the reasons of rejection by the Examiner.

Appellant contends that the reference is not applicable prior art for the alleged reason that it does not disclose the addition of said compound to mineral lubricating oil of the character normally corrosive to bearings of the cadmium-silver type and also that it fails to disclose the addition of corrosion inhibiting proportions of the compound to the said oil normally corrosive to the said type of bearings.

While it is true, as urged by the appellant, that Bartram was not concerned with the problem of producing a type of mineral lubricating oil which would be an inhibitor of bearing corrosion, nevertheless the reference does disclose an admixture of thio di-beta naphthylamine with mineral lubricating oil. Appellant contends that since the amount of the added compound is shown in the specification of the reference to be 0.001 to 0.05% of the weight of the oil, the specification of the appellant which discloses a proportion of compound as low as 0.2% of the weight of the oil creates a patentable difference.

It is stated in the specification of appellant, after having set forth the said proportionate weight of the compound, that:

> The stated percentage is not intended as a limitation upon the contemplated scope and practice of the invention.

It is very clear that nowhere does the application disclose critical proportions of thio di-beta naphthylamine and oil. Therefore, we are unable to see the force of appellant's contention that the difference in the proportion of the compound set out in his specification and that set out in the reference makes his claims on appeal patentable.

Appellant urges as a summary in his brief that even though the cited patent be given full weight as a legitimate reference his rejected claims defined patentable inventions in that they recite (1) critically different proportions of inhibitor performing a (2) new and different function in (3) a different type of oil to achieve a new and useful result wholly outside the contemplation of the patentee.

It may be, as stated in the brief of appellant, that the proportion shown by Bartram is ineffective to prevent corrosion. As far as appellant's application is concerned, nothing appears to show what proportions are necessary to effect this result. If his argument is correct, it must be that certain proportions at some stage must bring about the result alleged by him, but since he does not show what that is we fail to see in what patentable respect his disclosure differs from that of the reference.

We are not impressed with the contention of appellant that his product contains a different type of oil than that shown in the patent. Apparently when the type of bearing shown in the appealed claims took the place of the usual babbitt bearings highly refined mineral lubricating oil must have been ordinarily used in internal combustion engines. It was the use of this very kind of oil that caused corrosion in the new type of bearings. Therefore, we can not see how it can be successfully urged that the lubricating oils used by appellant in his product were in any way different from those used in the prior art.

[1] [2] As to appellant's contention concerning new and different function, it is merely necessary to state that the patentability of a product claim must be found in the product itself and not solely upon an alleged new function asserted for the product. The mere fact that appellant may have discovered a new property possessed by a combination of highly refined mineral lubricating oil and thio di-beta naphthylamine does not entitle him to the allowance of his rejected product claims. *In re Heap*, 22 C. C. P. A. (Patents) 950, 74 F.(2d) 948, 456 O. G. 265; *In re Newton et al.*, 25 C. C. P. A. (Patents) 1106, 96 F.(2d) 291, 496 O. G. 14.

We can perceive no error in the decisions of the tribunals below and, accordingly, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,272,056. (See 1,305,165.)

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1,305,165, W. H. Ratcliff, Circuit breaker; Re. 18,276, C. H. Kindl, Ignition timer; 1,593,339, 1,557,207, F. C. Kroeger, Ignition apparatus; 1,556,901, C. E. Berkdoll, same; 1,272,056, C. F. Kettering, Ignition system, C. C. A., 2d Cir., Doc. —, *General Motors Corp.* v. *Preferred Electric & Wire Corp.* Decree reversed (notice Mar. 8, 1940).

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1,383,229. (See 1,517,281.) 1,443,073. (See 1,517,281.)

1,482,204. (See 1,517,281.) 1,490,104. (See 1,517,281.)

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1,503,362, H. H. Haight, Rotary pump, filed Mar. 8, 1940, D. C., N. D. Iowa, E. Div., Doc. 19, *H. H. Haight* v. *Viking Pump Co. of Delaware.*

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1,676,185. (See 1,517,281.) 1,703,319. (See 1,517,281.)

1,718,008, S. Segal, Safety razor and stropping device; 1,816,657, H. R. Segal, Safety razor; 1,816,659, 1,816,658, same, Automatic safety razor; 1,865,971, same, Razor blade, D. C., S. D. N. Y., Doc. E 86/190, *Segal Safety Razor Corp. et al.* v. *Gillette Safety Razor Co., Inc.* Consent order dismissing bill with prejudice (notice Mar. 5, 1940).

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1,796,812. (See Re. 17,139.)

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1,816,659. (See 1,718,008.)

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2,142,042, Bowdoin & Strobridge, Process for drying, filed Mar. 9, 1940, D. C., E. D. Mich., S. Div., Doc. 1739, *U. S. Hoffman Machinery Corp.* v. *Chief Cleaners & Dyers, Inc.*

2,146,699, Rogers & Sims, Lint condenser, filed Mar. 1, 1940, D. C., N. D. Tex. (Ft. Worth), Doc. 173, *J. C. Rogers et al.* v. *Ft. Worth Steel & Machinery Co.*

2,166,360, D. Lewis, Bottom for bags, filed Mar. 7, 1940, D. C., S. D. N. Y., Doc. 7/475, *D. Lewis* v. *Bienen Davis, Inc.*

Re. 17,139 (of 1,493,171), Vulliet & Deschatres, Shears; 1,796,812, Steindorff & Heller, same; 1,846,655, G. A. Ungar, Cutting shears, D. C., S. D. N. Y., Doc. E 85/239, *The Stanley Works et al.* v. *Sampson Tool Co., Inc., et al.* Judgment on consent (notice Mar. 5, 1940).

Re. 18,276. (See 1,305,165.)

Des. 102,888, M. R. Hamre, Printed textile fabric, D. C., S. D. N. Y., Doc. 1/165, *Chas. Bloom, Inc.*, v. *Titus Blatter & Co., Inc.* Consent order of discontinuance (notice Mar. 7, 1940).

Des. 105,267, M. W. Daub, Overnight case, D. C., S. D. N. Y., Doc. E 86/302, *Boyle Leather Goods Co., Inc.*, v. *Dale Midtown, Inc.* Consent decree (notice Feb. 28, 1940).

Des. 109,444, R. Ehrlich, Sun shield, D. C., S. D. N. Y., Doc. 4/287, *Lapin Products, Inc.*, v. *Merchandise Distributors, Inc.* Consent order of discontinuance (notice Mar. 6, 1940).

Des. 109,564, S. Lo Prete, Coat, D. C., S. D. N. Y., Doc. E 87/112, *S. Lo Prete et al.* v. *L. B. Wolkoff et al.* Consent decree (notice Feb. 23, 1940).

Des. 112,496, T. Coleman, Dress, D. C., S. D. N. Y., Doc. 2/297, *A. S. Gross, Inc.*, v. *Shelley Dress, Inc.* Consent order of discontinuance (notice Feb. 27, 1940).

Des. 118,505, S. Novak, Dress, filed Feb. 29, 1940, D. C., N. D. Ind. (South Bend), Doc. 136, *S. Novak et al.* v. *Seybold Dry Goods Co.*

Des. 118,602, A. Rebhuhn, Dress, filed Feb. 26, 1940, D. C., S. D. N. Y., Doc. 7/400, *Fred Perlberg, Inc.*, v. *G. Jacobson et al.*

Des. 118,760, R. Schmidt, Textile fabric, filed Mar. 7, 1940, D. C., S. D. N. Y., Doc. 7/477, *Cohn-Hall-Marx Co.* v. *Mitchell & Weber, Inc.*

Des. 118,785, Des. 118,786, J. Schwarts, Dress ensemble, filed Mar. 5, 1940, D. C., S. D. N. Y., Doc. 7/455, *Irwin Junior, Inc.*, v. *Skytop Frocks, Inc.*

Des. 118,786. (See Des. 118,785.)

Des. 118,957, Des. 118,958, L. Goldsmith, Sweater, filed Mar. 3, 1940, D. C., S. D. N. Y., Doc. 7/458, *Olympic Knitwear, Inc.*, v. *Fleetwood Sportwear, Inc., et al.*

Des. 118,958. (See Des. 118,957.)

Des. 119,016, Des. 119,017, M. Bauman, Coat, filed Feb. 29, 1940, D. C., S. D. N. Y., Doc. 7/436, *M. Bauman et al.* (*Bauman & Stoll*) v. *Junior Deb Coat & Suit Co., Inc., et al.*

Des. 119,017. (See Des. 119,016.)

Des. 119,141, C. Frankel, Dress, filed Mar. 11, 1940, D. C., S. D. N. Y., Doc. 8/1, *Navarre Frocks, Inc.*, v. *Fadem-Weiss Dress Corp.* Doc. 7/486, *Navarre Frocks, Inc.*, v. *Victoria Dress Co., Inc.*

Disclaimers

2,062,104.—*David C. Prince*, Swarthmore, Pa. POWER SYSTEM. Patent dated November 24, 1936. Disclaimer filed April 26, 1940, by the assignee, *General Electric Company*.

Hereby enters this disclaimer of claim 38 of said patent.

2,130,589.—*William H. Lantz, Jr.*, Minerva, Ohio. SPRING ACTION ROTARY SWITCH. Patent dated September 20, 1938. Disclaimer filed May 2, 1940, by the inventor; the assignee, *American Electric Switch Corporation*, assenting.

Hereby enters this disclaimer to claims 3, 6, 7, 8, 16, 18, 19, 20, 21, 22, 23, and 24 in said specification.

2,157,329.—*Francis B. Fillo*, Webster Groves, Mo. CONTROL SYSTEM. Patent dated May 9, 1939. Disclaimer filed April 26, 1940, by the assignee, *Minneapolis-Honeywell Regulator Company*.

Hereby disclaims the subject matter of each of claims 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18 of said Letters Patent.

2,169,097.—*Ralph W. Hall* and *Henry A. Smith*, Fort Wayne, Ind. DYNAMO-ELECTRIC MACHINE. Patent dated August 8, 1939. Disclaimer filed April 27, 1940, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 1 and 2 of said Letters Patent.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,112,039, D. W. McLenegan, Air conditioning system, decided April 26, 1940, claims 5 and 7.

Pat. 2,122,269, H. M. Wagner, Tuning indicator tube, decided April 24, 1940, claims 1, 2, 3, and 5.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 21, 1940

[VOL. 514. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 424,572. C. R. WEAVER, Portland, Oreg. Filed Oct. 13, 1939.

CORE WASH
CALABESTO
MOLD FACING

The words "Core Wash" and "Mold Facing" are disclaimed apart from the mark.

For Core Wash and Mold Facing for Application to Sand Cores and to Sand Molds, So as to Produce a Smooth Finish.

Claims use since April, 1932.

Ser. No. 425,136. BRITISH COLUMBIA PEAT PRODUCTS, LIMITED, Vancouver, British Columbia, Canada. Filed Nov. 2, 1939.

DELTA

For Peat Moss.

Claims use since June 15, 1939.

Ser. No. 429,328. TAYLOR BEDDING MFG. CO., Taylor, Tex. Filed Mar. 7, 1940.

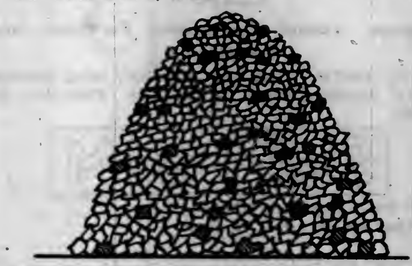
INSL-COTTON

No claim is made to the word "Cotton" apart from the mark.

For Insulating Cotton.

Claims use since Sept. 4, 1939.

Ser. No. 429,370. OLD BEN COAL CORPORATION, Chicago, Ill. Filed Mar. 8, 1940.



The mark consists in coloring the surface of some of the lumps of coal in the moss green. Applicant disclaims the representation of a pile of coal.

For Coal.

Claims use since Aug. 2, 1939.

Ser. No. 429,371. OLD BEN COAL CORPORATION, Chicago, Ill. Filed Mar. 8, 1940.

Marblegreen
STOKER COAL

The words "Stoker" and "Coal" are disclaimed apart from the mark.

For Coal.

Claims use since Jan. 12, 1940.

CLASS 2

Receptacles

Ser. No. 423,515. UNIVERSAL PAPER PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 11, 1939.

UNIVERSAL

For Paper Cups.

Claims use since Aug. 1, 1936.

Ser. No. 423,914. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 25, 1939.

AUTO-SERV

For Sheet Metal Box for the Dispensing of Paper Products and Sold Empty in the Trade.

Claims use since Sept. 18, 1939.

Ser. No. 424,421. THE AMERICAN THERMOS BOTTLE COMPANY, Norwich, Conn. Filed Oct. 11, 1939.

JUMBO JUG

No claim is made to the word "Jug" apart from the mark.

For Vacuum, Thermostatic, and Heat-Insulated Vessels—Namely, Bottles, Jars, Decanters, Carafes, Tea Pots, Jugs, Marmites, Pots, Pitchers and Flasks, and Parts Therefor; Milk and Food Cans of Metal and Paper; Luncheon Cases; Carrying Cases for Heat-Insulated Vessels, Bottles and Jars; Salt Shakers and Pepper Shakers; Hampers, Baskets for Luncheon Equipment, Including Heat-Insulated Vessels; Flat Bottles of Metal, Paper and Plastic Materials; Plates and Dishes of Cardboard, Strawboard, and Other Fibrous Materials.

Claims use since Apr. 28, 1924.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 429,748. BERNARD ROSENTHAL, doing business as A. Rosenthal & Son, Boston, Mass. Filed Mar. 19, 1940.

SLIM-JIM

For Men's Wallets or Billfolds.

Claims use since Feb. 17, 1940.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 416,838. MATTHEW F. CAIN, doing business as Matt Soap Co., New Orleans, La. Filed Mar. 9, 1939.

MATTSO

For Preparation for Cleaning Venetian Blinds, Painted Walls and Ceilings, Woodwork, Floors and Flooring, Terrazzo, Porcelain, Tile, Linoleum, and Rubber Tile.

Claims use since January, 1939.

Ser. No. 424,984. THE AMERICAN PRODUCTS COMPANY, doing business as The Visco Chemical Products Co. and Veeco Chemical Products Co., Cincinnati, Ohio. Filed Oct. 28, 1939.



For Glass Cleaner, Upholstery and Rug Cleaner, Stove Polish, a Product for Washing Clothes, Dry Cleaning Fluid, Preparation for Preventing and Avoiding Misting of Glass Surfaces, Metal Polish.

Claims use since Nov. 1, 1934.

Ser. No. 428,992. WILLIAM BIRD LEWIS, Pickens, S. C. Filed Feb. 28, 1940.

PRIM

For Shoe Polish.

Claims use since June 6, 1935.

Ser. No. 429,560. THE DAVIES-YOUNG SOAP COMPANY, Dayton, Ohio. Filed Mar. 14, 1940.

"SOF"

For Cleaning Compound—Namely, a Compound for Removing Grease.

Claims use since Mar. 5, 1940.

Ser. No. 429,936. DEVONSHIRE-ARTIC CHEMICAL CO., Boston, Mass. Filed Mar. 25, 1940.

S5-3S

For Cleaning Compound for Household and Industrial Purposes.

Claims use since Oct. 31, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 417,063. NATHAN SPITZER, New York, N. Y. Filed Mar. 14, 1939.

Perioral

For Tooth Powder.

Claims use since Feb. 26, 1939.

Ser. No. 417,366. DEHLS & STEIN, INC., Newark, N. J. Filed Mar. 22, 1939.

CALCIFORM

For Liquid Disinfectant and Mould Destroyer.

Claims use since 1915.

Ser. No. 423,421. HERMES S. A., Paris, France. Filed Sept. 8, 1939.

HERMES

For Perfumes, Toilet Waters, Eau de Cologne, Hand Lotion, Eye Lotion, Sunburn Oil, Lipsticks, Rouges, Face Powder, Face Astringent, Hand Cream, Cold Cream, Foundation Cream, Cleansing Cream, Eye Shadow, Nail Polish, and Manicure Preparations.

Claims use since Dec. 8, 1936.

Ser. No. 425,644. IDA GORDON-STABLES, London, England. Filed Nov. 15, 1939.

STARWINK

For Cosmetics—Namely, Powders, Creams of All Kinds, Rouge, Hand Lotions, Nail Polish, Cuticle Oil, Liquid Cosmetics, Talc and Bath Powders, Hair Tonics and Dyes.

Claims use since Dec. 7, 1938.

Ser. No. 426,547. CITROX LABORATORIES, INC., Chesterland, Ohio. Filed Dec. 13, 1939.

CITROX

For Sterile Medicated Ointment for External Application on the Skin to Protect the Skin from Excoriations, to Promote Healing, to Allay Itching, Sensations of Burning and Surface Pains, and to Relieve Chapped, Chafed, Excoriated and Sun Burned Skin.

Claims use since January, 1934.

Ser. No. 426,548. CITROX LABORATORIES, INC., Chesterland, Ohio. Filed Dec. 13, 1939.

CITROX

For Sterile Medicated Ointment for External Application on the Skin to Protect the Skin from Excoriations, to Promote Healing, to Allay Itching, Sensations of Burning and Surface Pains, and to Relieve Chapped, Chafed, Excoriated and Sun Burned Skin.

Claims use since January, 1934.

Ser. No. 429,027. BURROUGH BROTHERS MANUFACTURING COMPANY, doing business as Burrough Brothers Mfg. Company, Baltimore, Md., and Cleveland, Ohio. Filed Feb. 27, 1940.

ESSZYME

For Preparation for Use as a Digestant and Adjuvant.

Claims use since Jan. 1, 1940.

Ser. No. 429,120. KARL MALLARD, doing business as A. E. Mallard, Detroit, Mich. Filed Mar. 2, 1940.

HORMOGEN-C

For Medicinal Preparation—viz., Active Male Hormone Extracted from Fresh Animal Tissue in Oil Solution for Intramuscular Use.

Claims use since Nov. 29, 1937.

Ser. No. 429,121. KARL MALLARD, doing business as A. E. Mallard, Detroit, Mich. Filed Mar. 2, 1940.

HORMOGEN-F

For Medicinal Preparation—viz., Purified Naturally Occurring Estrogenic Substances in Oil Solution for Intramuscular Use.

Claims use since Nov. 29, 1937.

Ser. No. 429,163. THE B-K-T PRODUCTS CO., St. Joseph, Mo. Filed Mar. 4, 1940.

Bishop's

The name "Bishop's" is a facsimile signature of F. E. Bishop, one of the members of the firm.

For Cold Tablets.

Claims use since Feb. 28, 1940.

Ser. No. 429,166. BIECKER & STEIN, Philadelphia, Pa. Filed Mar. 4, 1940.

Chona

For Hair Lotion.

Claims use since Mar. 1, 1940.

Ser. No. 429,222. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Mar. 5, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

EASTMAN ACETATE DYESTUFFS

The words "Acetate Dyestuffs" are disclaimed apart from the mark. Applicant is owner of T. M. Reg. 67,137 (renewed), effected under the 10-year proviso.

For Dyes, and Particularly Cellulose Acetate Dyestuffs.

Claims use since Apr. 14, 1938.

Ser. No. 429,856. JACK KAUFMAN, doing business as Shield Company, Tuscon, Ariz., and Atlanta, Ga. Filed Mar. 22, 1940.

LUL

For Preparation for Relief of Simple Headaches, Colds, Neuralgia, Nervousness, Dysmenorrhea, Toothaches, Muscular Aches and Pains, and Fever; Acting as an Anodyne, Antipyretic, Antispasmodic, Antirheumatic, Nervine, and Sedative.

Claims use since Oct. 2, 1937.

Ser. No. 430,045. SURE-START CHEMICAL CO., Fort Worth, Tex. Filed Mar. 27, 1940.



For Preparation for Use in Preventing Rust and for Preventing Corrosion and Deterioration of Batteries.

Claims use since Feb. 28, 1940.

Ser. No. 430,166. ABBOTT LABORATORIES, North Chicago, Ill. Filed Mar. 30, 1940.

KAYNONE

For Product Having the Properties of Vitamin K.
Claims use since Mar. 5, 1940.

Ser. No. 430,167. ABBOTT LABORATORIES, North Chicago, Ill. Filed Mar. 30, 1940.

KAYQUIN

For Product Having the Properties of Vitamin K.
Claims use since Mar. 5, 1940.

Ser. No. 430,231. REGINA KOKEMULLER, doing business as Gene Koke, Chicago, Ill. Filed Apr. 1, 1940.

Tri-Vita

For Skin Cream and Skin Oil.
Claims use since Oct. 6, 1936.

Ser. No. 430,281. LANDER CO. INC., New York, N. Y. Filed Apr. 2, 1940.

STAR SPANGLED RED

The word "Red" is disclaimed apart from the mark.
For Rouge, Lipstick, and Nail Polish.
Claims use since Feb. 2, 1940.

Ser. No. 430,286. LUCILA OLEA, doing business as Los Angeles Pharmacal Co., Los Angeles, Calif. Filed Apr. 2, 1940.

PROMUTOL

For Palatable Stimulant Expectorant Tending to Loosen Tenacious Mucus.
Claims use since Feb. 29, 1940.

Ser. No. 430,356. MEDICAL CHEMICALS, INC., Baltimore, Md. Filed Apr. 4, 1940.

AMPHELOX

For Medicinal Preparation for Use in Treating Infections of Human Beings and Animals.
Claims use since Nov. 25, 1939.

Ser. No. 430,515. MORTON G. NEUMANN, doing business as Valmor Products Co., Chicago, Ill. Filed Apr. 8, 1940.

HAIR GLOWER

The word "Hair" is disclaimed apart from the mark.
For Hair Dressing Preparation.
Claims use since Oct. 15, 1939.

Ser. No. 430,556. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa. Filed Apr. 9, 1940.

Bromiphen

For Medicinal Preparation Containing Phenobarbital and Bromides in Elixir and Tablet Form.
Claims use since July 12, 1932.

Ser. No. 430,588. BRAY CHEMICAL CO., Chicago, Ill. Filed Apr. 10, 1940.

FARMYARD

For Lye.
Claims use since Apr. 19, 1937.

Ser. No. 430,590. CAMPANA CORPORATION, Batavia, Ill. Filed Apr. 10, 1940.

COTTON BLOSSOM

For Skin Lotions.
Claims use since Apr. 3, 1940.

Ser. No. 430,616. ORVILLE E. MCKIM, Port Chester, N. Y. Filed Apr. 10, 1940.

OUT-SECT

For Insecticides.
Claims use since Mar. 11, 1940.

Ser. No. 430,698. GEORGE E. SHERMAN COMPANY, INC., New York, N. Y. Filed Apr. 12, 1940.

PENESOL

For Detergent and Dyeing Agent in Paste Form for Use in Connection with the Dyeing of Textiles.
Claims use since Nov. 15, 1939.

Ser. No. 430,701. TECTON PRODUCTS, New York, N. Y. Filed Apr. 12, 1940.

Pernox

For Vaginal Suppository.
Claims use since Apr. 4, 1940.

CLASS 7

Cordage

Ser. No. 430,056. CLEVELAND MILL AND POWER COMPANY, Lawndale, N. C. Filed Mar. 28, 1940.

Aristocrat

For Cotton Cable Cord.
Claims use since Mar. 19, 1940.

CLASS 12

Construction Materials

Ser. No. 424,273. EMILE S. GUIONON, JR., Kansas City, Mo. Filed Oct. 6, 1939.

UNICON

For Hollow Sheet Metal Building Blocks.
Claims use since Jan. 14, 1939.

Ser. No. 425,571. HOMASOTE COMPANY, INC., Fernwood, N. J. Filed Nov. 13, 1939.

SOTE

For Wall Board and Sheet Material.
Claims use since Oct. 25, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 429,016. UNITED CO-OPERATIVES, INC., Indianapolis, Ind. Filed Feb. 28, 1940.

QUALITY UNICO PRODUCTS

"Quality Products" is disclaimed except as part of the mark shown.
For Woven Wire Fence, Barbed Wire, Steel Posts, Nails, and Bale Ties.
Claims use since June 15, 1939.

CLASS 15

Oils and Greases

Ser. No. 427,876. BODIE-HOOVER PETROLEUM CORPORATION, Chicago, Ill. Filed Jan. 26, 1940.

SEALED POWER

For Lubricating Oils and Lubricating Greases, Not Including Lubricating Oil Compounds Used in Gasoline.
Claims use since Oct. 12, 1939.

Ser. No. 429,420. MITCHELL SMITH, North Tonawanda, N. Y. Filed Mar. 9, 1940.

PANDA

Perfect Power

The words "Perfect Power" are disclaimed apart from the mark.
For Gasoline, Motor Oil, and Lubricating Grease.
Claims use since Feb. 16, 1940.

CLASS 16

Paints and Painters' Materials

Ser. No. 429,530. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y. Filed Mar. 13, 1940.

SUPERTROP

For Antifouling Marine Paints.
Claims use since Feb. 6, 1940.

Ser. No. 429,873. JOHN RALPH SULLIVAN, doing business as Aluminum Paint & Color Co., Cincinnati, Ohio. Filed Mar. 22, 1940.

ALPACO

For Aluminum Paint.
Claims use since Feb. 16, 1940.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 416,717. THE AUTOCALL COMPANY, Shelby, Ohio. Filed Mar. 6, 1939.

PAGER

For Electrical Signalling Systems and Apparatus in the Nature of Code Sending Devices Connected to Signal Devices.
Claims use since September, 1938.

Ser. No. 416,874. LEO A. SHAFFER, doing business as Electrical Products Company, Kendallville, Ind. Filed Mar. 9, 1939.

BEACON

For Bicycle Generators.
Claims use since Nov. 20, 1938.

Ser. No. 420,021. W. H. PHALEN, Fond du Lac, Wis. Filed May 31, 1939.

SUPREME STANDARDIZD PRODUCTS

No claim is made to the notation "Standardized Products" apart from the mark.

For Complete Line of Ignition Service Parts—Viz., Armatures, Field-Coils, Starter and Generator Brushes, Contacts, Condensers, Distributor Caps, Starting Switches, Distributor Rotors, Stop Light Switches, Generator Cut-Outs, Distributor Breaker Points, Brush Holders, Coils, Starter Generator Distributor Bushings and Electrical Insulating Gaskets, Distributor Connectors, Distributor Connecting Strip and Rivet Assemblies, Magnetos, Magneto Distributor Plates, Magneto Windings, Magneto Contacts, Magneto Condensers, Magneto Brush Holders, Magneto Brushes, Bearings for Magnetos, Magneto Gears, Magneto Drive Shafts, Magneto End Shafts, Magneto End Housings, Magneto Bushings, Magneto Laminations, Magneto Bearing Felts, Impulse Couplings, Electrical Automotive Horn Service Parts, Electrical Windshield Wiper Service Parts, and Automotive Lighting Equipment and Accessories.
Claims use since Jan. 1, 1939.

Ser. No. 422,924. BURCHELL PRODUCTS, INCORPORATED, New York, N. Y. Filed Aug. 24, 1939.

B INC P

For Electrically Illuminated Window Display Devices Where the Illumination Is a Component of the Device as a Unit.
Claims use since July 19, 1939.

Ser. No. 423,446. U. S. ELECTRICAL MOTORS, INC., Los Angeles, Calif. Filed Sept. 8, 1939.

LUBRIFLUSH

For Electric Motors.
Claims use since Aug. 26, 1939.

Ser. No. 424,102. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Sept. 30, 1939.

VIDEOSCOPE

For Television Cameras and Parts Thereof.
Claims use since Apr. 24, 1939.

Ser. No. 425,629. THE STRONG ELECTRIC CORPORATION, Toledo, Ohio. Filed Nov. 14, 1939.

STRONG

For Arc Lamps, Rectifiers, and Replacement Parts.
Claims use since Sept. 5, 1939.

Ser. No. 427,901. NATIONAL ELECTRIC PRODUCTS CORPORATION, Pittsburgh, Pa. Filed Jan. 26, 1940.

CANVAS-BACK

For Non-Metallic Sheathed Cable Containing Electrical Conductors.
Claims use since Nov. 1, 1939.

Ser. No. 428,444. THE F. W. SICKLES COMPANY, Springfield, Mass. Filed Feb. 10, 1940.

Silvercap

For Electrical Trimmers and Electrical Condensers.
Claims use since July 28, 1936.

Ser. No. 428,892. THERMO ELECTRIC PRODUCTS COMPANY, Glendale, Calif. Filed Feb. 24, 1940.

Tepco

For Electric Water Heaters.
Claims use since Feb. 26, 1936.

Ser. No. 429,285. JOHN WINTHROP, doing business as Vacuum Cleaner Service Co., Paterson, N. J. Filed Mar. 6, 1940.

AIR-CHIEF

For Electric Vacuum Cleaners and the Dust Collecting Bags Thereof.
Claims use since July, 1938.

Ser. No. 429,791. SANOZONE CORPORATION, Detroit, Mich. Filed Mar. 20, 1940.

SANOZONE

For Apparatus for Generating and Using Ozone.
Claims use since Mar. 14, 1939.

Ser. No. 429,947. MITCHELL MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 25, 1940.

Lullaby

For Radio Receiving Sets.
Claims use since August, 1939.

Ser. No. 429,984. KNAPP-MONARCH COMPANY, St. Louis, Mo. Filed Mar. 26, 1940.

MODERN HOME

For Electrical Appliances — Namely, Toasters, Food Mixers, Fans, Irons, Waffle Irons, Combination Sandwich Grille and Waffle Iron, and Turnover-Type Automatic Toasters.
Claims use on toasters, since Feb. 3, 1939; on food mixers, since Feb. 6, 1939; on fans, since Mar. 13, 1939; on irons, since Apr. 28, 1939; and on waffle irons, combination sandwich grille and waffle irons, and turnover-type automatic toasters, since July 19, 1939.

Ser. No. 430,019. COLORVISION ADS. INC., New York, N. Y. Filed Mar. 27, 1940.

COLORVISION

For Electrically Illuminated Signs and Parts Thereof.
Claims use since Oct. 24, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 415,166. A/S KOLBJØRN KNUTSEN & CO., Oslo, Norway. Filed Jan. 24, 1939.

GRESSHOPPA KK REG. VAREMERKE

The words "Reg. Varemerke" are disclaimed apart from the mark.

For Skis, Ski Bindings, Ski Poles, Ski Waxes, Ski Straps, Ski Tips, Ski Climbers, Ski Edges, Ski Carriers (Holders), Ski Sleds, Pushing Sleds, Toboggans, Sole Protectors, Footballs, Football Bladders, and Football Laces.
Claims use since March, 1908.

Ser. No. 428,847. C. E. WOOD COMPANY, Pontiac, Mich. Filed Feb. 23, 1940.

WOOD

For Fishermen's Supplies — Namely, Leaders, Line Dressing, Fly Dunk, Creels, Reels, Lines, Tippets, and Fly-Rod Baits.
Claims use since Jan. 25, 1940.

Ser. No. 429,713. HENRY G. OGDEN, Buchanan, Mich. Filed Mar. 18, 1940.

MY GYM

For Rowing Machines and the Like.
Claims use since Mar. 5, 1940.

Ser. No. 429,850. ATWOOD E. ERLINDER, Chicago, Ill. Filed Mar. 22, 1940.

BRINK'S

MONEY AND VALUEABLES
SAFETY AND DISPATCH

For Toy Armored Cars.
Claims use since Dec. 12, 1936.

Ser. No. 430,119. CARROM INDUSTRIES, INC., Ludington, Mich. Filed Mar. 29, 1940.

GUSHER

For Board Game Played With Movable Pieces.
Claims use since Mar. 14, 1940.

Ser. No. 430,331. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Apr. 3, 1940.

RO-LO

For Action Game Played With Hexagonal Pieces Rotating in Metal, Wooden, or Cardboard Containers.
Claims use since Mar. 6, 1940.

Ser. No. 430,666. TOYS AND SPECIALTIES, INC., South Bend, Ind. Filed Apr. 11, 1940.

FLING-O

For Toy Projectile Impeller.
Claims use since Feb. 15, 1940.

Ser. No. 430,744. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Apr. 13, 1940.

DIG

For Novelty Card Game Played With Cards and Small Pasteboard Squares.
Claims use since Apr. 12, 1940.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 421,528. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Filed July 13, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

NATIONAL CO-OP

For Farm Machinery — Namely, Milking Machines, Tractors, Cream Separators, Gasoline Engines, Plows and Parts Thereof, Corn Shellers, Corn Planters, Cotton Gins, Cultivators, Post Hole Diggers, Harrows and Harrow Scrapers, Hay Presses, Hog Ringers, Endless Belt and Chain Conveyors, Seed Sowers, Reapers, Manure Spreaders, Plant and Tree Sprayers, Corn Shockers, Grain Binders, Hay Loaders, Threshing Machines, Hay Racks, Hay Balers, Butter Churns, Drag Scrapers, Planting Drills, Fruit Presses, Drill Tubes, Lime and Fertilizer Sower, Potato and Onion Graders, Feed Grinders, Grist Mills, Feed Cutters, Feed Mixers, Ensilage Cutters, Grain Loaders, Grain Elevators, Hand Water Pumps, Windmill Pumps, Gas and Kerosene Pumps, Barrel Pumps, Windmills, Side Hill Hitches, Portable Grain and Corn Elevators, Hay Slings and Carriers, Grapple Hay Forks and Carriers, Litter Carriers, Live Stock Stanchions, Plow Shares, Mower Knives, Sickles and Parts, Feed Mills and Grain Separators; Snow Plows, Air Compressors and Air Chucks, Gears and Pinions, Tableware and Household Cutlery of Non-Precious Metal, Pocket Knives, Carving Knives, Hunting Knives, Can Openers, Meat Choppers and Grinders, Cleavers, Coffee Mills, Cork Screws, Lawn Mowers, Hair Clippers, Scissors, Hedge Shears, Ice Picks, Ice Tongs, Lawn Rollers, Fruit Juice Squeezers, Tree Pruners, Safety Razors, Electric Shavers, Sewing Machines, Portable Hand Fire Extinguishers, Lubricating Guns and Attachments, Hoes, Pitchforks, Garden Forks, Spades, Shovels, Scoops, Rakes, Weeders, Scythes, Hay Hooks, Sickles, Floor Scrapers, Garden Trowels, Refuse and Manure Hooks, Edgers, Weed Cutters, Manure Drags, Vises, Hammers, Saw Sets, Punches, Buck Saws, Lumberman's Saws, Hack Saws, Coping Saws, Hand Saws, Screw Drivers, Pliers, Wrenches, Smooth and Block Planes, Bit Braces, Auger Bits, Expansion Bits, Hand Drills, Shears, Hammer and Ax Handles, Staple Pullers, Hoof Nippers, Hoof Parers, Breast Drills, Chisels, Trowels, Calking Irons, Die Stocks, Dies, Taps, Pipe Cutters, Crowbars, Metal Lathes, Wood Turning Lathes, Mallets, Wire Cutters, Axes and Pick Axes, Hatchets, Pinch Bars, Rasps, Files, Tinner's Snips, Soldering Irons and Tools, Staple Pullers, Drill Presses, Nail Pullers, Augers, Reamers, Pipe Cutters, Stapling Machines, Belt Lacers, Roller Bearings, Ball Bearings, Split Pulleys, Concrete Mixers, Pistons, Connecting Rods, Carburetors, Fans for Internal Combustion Motors, Hand and Hydraulic Jacks, Oil and Grease Cups, Tire Tools, Oil Filters—Namely, Accessories for Internal Combustion Engines, Valves, Tire Pumps, Grease Guns, Automobile Mufflers, Socket and Open End Automobile Wrenches; Combination Mop Wringer Pails, Tire Vulcanizers, Fireplace Hardware—Namely, Tongs, Pokers and Shovels; Hand Winnowing and Fanning Mill Sieves, Flour and Meal Sieves, Ash Sieves, Mechanical Flour Sifters, Mechanical Ash Sifters, Combine Operating Canvasses, Hand Sprayers, Egg Beaters, Bread Kneaders and Mixers, and Base Metal Knives, Forks, Spoons, Basters, and Turners.
Claims use since December, 1929.

Ser. No. 427,576. CUTELARIAS ADAGA LIMITADA, Rio De Janeiro, United States of Brazil. Filed Jan. 18, 1940.

For Razors, Razor Blades, Penknives of Base Metal, Scissors, Knives of Base Metal.
Claims use since May, 1936.

Ser. No. 429,023. WILLIAM O. GANTZ, Los Angeles, Calif. Filed Feb. 20, 1940.

*E*Z*HAVS*

For Nut Cracker.
Claims use since Oct. 13, 1938.

Ser. No. 429,961. THE TOLEDO PIPE THREADING MACHINE CO., Toledo, Ohio. Filed Mar. 25, 1940.

SIMPACT

For Manually and/or Power Operated Tools and/or Machines, Parts Thereof, Appurtenances Thereto, and/or Accessories Therefor for Use in Cutting, Threading, Reaming, Holding, and/or Fabricating Stock as Pipes, Tubes, Rods, and/or Bars, etc.
Claims use since Mar. 22, 1940.

Ser. No. 430,024. GRUENDLER CRUSHER AND PULVERIZER COMPANY, St. Louis, Mo. Filed Mar. 27, 1940.

SUPREME

For Feed Grinders.
Claims use since Dec. 15, 1939.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 422,642. TEXTILE MACHINE WORKS, Wyomissing, Pa. Filed Aug. 15, 1939.

TMW

For Counting Devices for Articles Manufactured by, or Associated with Braiding and Knitting Machines, Braid and Wire Measuring Machines, and Gauges for Knitting and Braiding Machines.
Claims use since Aug. 2, 1939.

Ser. No. 423,218. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Sept. 1, 1939.

BLUE LINE EXAX RETESTED

The word "Retested" is disclaimed apart from the mark.
For Chemical, Scientific, and Laboratory Glassware.
Claims use since Aug. 22, 1939.

Ser. No. 423,219. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Sept. 1, 1939.

RETESTED
K
EXAX
BLUE
LINE
USA

The word "Retested" and the abbreviation "U S A" are disclaimed apart from the mark.
For Chemical, Scientific, and Laboratory Glassware.
Claims use since Aug. 22, 1939.

Ser. No. 428,546. ABE J. GREENBLAU, Chicago, Ill. Filed Feb. 14, 1940.

COPYSTAT

For Machine for Making Photo-Copies.
Claims use since Feb. 2, 1940.

Ser. No. 428,707. JAMES H. SMITH & SONS CORP., Griffith, Ind. Filed Feb. 19, 1940.

Sunflector

For Light Distributing Apparatus for Use in the Photographic Art.
Claims use since Oct. 1, 1939.

Ser. No. 429,423. STOWE-WOODWARD, INC., Newton and Newton Upper Falls, Mass. Filed Mar. 9, 1940.

EBONIZER

For Appliances for Determining the Proper Location for the Finger Openings of Bowling Balls to Suit an Individual User.
Claims use since Feb. 19, 1940.

Ser. No. 429,899. DETROIT LUBRICATOR COMPANY, Detroit, Mich. Filed Mar. 23, 1940.

DURA-FRAM

For Refrigeration Expansion Valves.
Claims use since Mar. 15, 1940.

Ser. No. 430,021. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Mar. 27, 1940.

KODAK

For Guides and Scales Used in Photographic Processes, and Including Exposure Guides, Developing Guides, Filter Guides, Enlargement Exposure Calculators, Projection Print Scales.
Claims use since Apr. 27, 1938, with exposure guides; since May 18, 1939, with developing guides; since Dec. 5, 1938, with filter guides; since Nov. 20, 1936, with enlargement exposure calculators; and since Jan. 13, 1940, with projection print scales.

CLASS 27

Horological Instruments

Ser. No. 424,812. HAROLD MARKHAM, doing business as Marathon Watch Company, Chicago, Ill. Filed Oct. 23, 1939.

MARATHON

For Watches.
Claims use since June 1, 1939.

CLASS 31

Filters and Refrigerators

Ser. No. 430,146. PICK MANUFACTURING COMPANY, West Bend, Wis. Filed Mar. 29, 1940.

KLEENER

No claim is made to the word "Kleener" apart from the mark.
For Oil Filters.
Claims use since Dec. 15, 1939.

Ser. No. 430,599. GENERAL CONSTRUCTION CORPORATION, Richmond, Va. Filed Apr. 10, 1940.

ICETTE

For Refrigerators.
Claims use since Dec. 19, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 428,344. UPHOLSTERY CRAFTS, Chicago, Ill. Filed Feb. 7, 1940.

Upholstery Crafts

The words "Upholstery Crafts" are disclaimed apart from the mark.
For Upholstered Furniture—Namely, Chairs, Sofas, Davenports, and the Like.
Claims use since Dec. 15, 1929.

Ser. No. 430,373. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 4, 1940.

AIRTEX

For Sponge Rubber Cushions, Pillows, Mattresses, Seats, and Arm Rests, Sponge Rubber Material and Padding for Filling Said Articles, and Sponge Rubber Upholstering Material for Furniture.
Claims use since Dec. 12, 1938.

Ser. No. 430,726. THE COLUMBIA MILLS, INC., New York, N. Y. Filed Apr. 13, 1940.

Duraflex

For Venetian Blinds and Parts Thereof.
Claims use since July 1, 1939.

CLASS 33

Glassware

Ser. No. 424,619. DEUTSCHE FENSTERGLAS AUSFUHR GESELLSCHAFT M. B. H. DEFAG, Frankfort-on-the-Main, Germany. Filed Oct. 17, 1939.

DEFAG VITREA

The word "Vitrea" is disclaimed apart from the mark.
For Window Glass.
Claims use since Mar. 15, 1939.

Ser. No. 427,681. FRANK SHUTTLEWORTH, Vineland, N. J. Filed Jan. 20, 1940.

THE ONLY TOOTH BRUSH HOLDER

The representation of the goods and the words "Tooth Brush Holder" are disclaimed apart from the mark.
For Glass Tooth Brush Holding Tubes.
Claims use since Jan. 1, 1924.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 427,951. THE HARRY ALTER CO., Chicago, Ill. Filed Jan. 29, 1940.

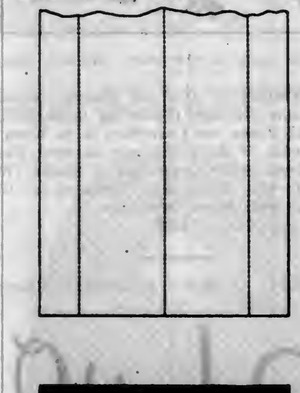
Humidome

For Humidifiers and Spot Coolers.
Claims use since Jan. 16, 1940.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 425,972. TON-TEX CORPORATION, Grand Rapids, Mich. Filed Nov. 22, 1939.



The trade-mark comprises the red threads running longitudinally of the belt in each individual fabric ply which red threads are woven into the several plies of fabric which together with rubber form the belt or belting and appear in the cross section of the belt as shown in the drawing.
Applicant without waiving its common law rights disclaims the section of the belting shown in the drawing.
For Multiple Ply Belts and Belting of Combined Rubber and Fabric.
Claims use since Mar. 19, 1939.

Ser. No. 430,186. THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed Mar. 30, 1940.

MOTOR CHIEF

For Pneumatic Vehicle Tires of Rubber or Rubber Composition or Rubber and Fabric.
Claims use since Mar. 18, 1940.

Ser. No. 430,549. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 9, 1940.

Firestone

Champion

For Tire Repair, Gum Materials in Sheet Form—Namely, Camelback Tread Gum or Rubber Stock for Use in Tire Repairing.
Claims use since July 21, 1939.

Ser. No. 430,550. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 9, 1940.

MUTAC

For Tire Repair, Gum Materials in Sheet Form—Namely, Camelback Tread Gum or Rubber Stock for Use in Tire Repairing.
Claims use since Feb. 26, 1940.

Ser. No. 430,596. GAMBLE STORES INCORPORATED, Minneapolis, Minn. Filed Apr. 10, 1940.

REGENT

For Automobile Tires and Tubes.
Claims use since Sept. 25, 1939.

CLASS 36

Musical Instruments and Supplies

Ser. No. 428,686. FRETTED INSTRUMENT MFRS. INC., Newark, N. J. Filed Feb. 19, 1940.

GOLD SEAL

For Musical Instrument Strings.
Claims use since 1889.

Ser. No. 429,085. ANDREA RADIO CORP., Woodside, N. Y. Filed Mar. 1, 1940.

Portagram

For Electric Phonographs.
Claims use since Feb. 10, 1940.

Ser. No. 429,840. COLUMBIA RECORDING CORPORATION, New York, N. Y. Filed Mar. 22, 1940.

ADD-A-PART

For Phonograph Records and Record Blanks.
Claims use since Jan. 11, 1940.

CLASS 37

Paper and Stationery

Ser. No. 418,366. THE SAWDON COMPANY, INC., New York, N. Y. Filed Apr. 17, 1939.

COMBINE - VELOPE

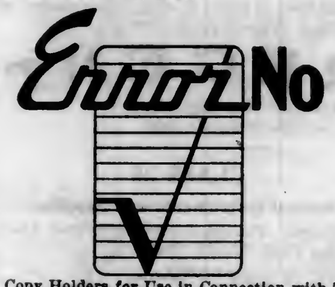
Applicant seeks no exclusive right to the word "Combine" alone.
For Envelopes.
Claims use since Feb. 11, 1938.

Ser. No. 429,102. NEWPORT NEWS OVERFOLD COMPANY, Newport News, Va. Filed Mar. 1, 1940.

JIFFEE

For Duplicating Statement Forms for Ledger Cards.
Claims use since Jan. 15, 1940.

Ser. No. 429,517. THE DAWN MFG. CORP., Rochester, N. Y. Filed Mar. 13, 1940.



For Copy Holders for Use in Connection with Typewriting and Similar Transcription.
Claims use since Mar. 24, 1919.

CLASS 38

Prints and Publications

Ser. No. 419,008. HANS LUDWIG BÖHM, London, England. Filed May 3, 1939.

Cinegram

For Illustrated Magazine Referring to Motion Pictures, Published at Irregular Intervals.
Claims use since Dec. 15, 1937.

Ser. No. 429,257. JAY EMANUEL PUBLICATIONS, INC., Philadelphia, Pa. Filed Mar. 6, 1940.

THE EXHIBITOR CATALOGUE

No claim is made to the word "Catalogue" apart from the mark.
For Trade Publication Issued Annually.
Claims use since Feb. 26, 1940.

Ser. No. 429,583. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Mar. 14, 1940.



For House Organ Published Monthly.
Claims use since May 26, 1939.

CLASS 39

Clothing

Ser. No. 422,185. TROPICAL GARMENT MANUFACTURING CORPORATION, Tampa, Fla. Filed Aug. 1, 1939.



No claim is made to the word "Brand" apart from the mark.
For Work Clothes for Men and Women—Namely, Ensemble Garments for Men Consisting Respectively of a Coat-Shirt and Pants, the Coat-Shirt to be Worn Either Inside or Outside of the Pants, and Garment Ensembles for Women Respectively Consisting of Slacks (Women's Pants) and Jackets, Particularly Designed for Wear by Waitresses and Soda-Stand Employees.
Claims use since June 1, 1938.

Ser. No. 423,317. A. STEIN & COMPANY, Chicago, Ill. Filed Sept. 5, 1939.

Alexo

For Armbands, and Apparel Belts.
Claims use since April, 1899, on armbands; and since July 25, 1939, on apparel belts.

Ser. No. 427,430. HARRIS MFG. CO., New York, N. Y. Filed Jan. 13, 1940.



TY-JUSTABLE

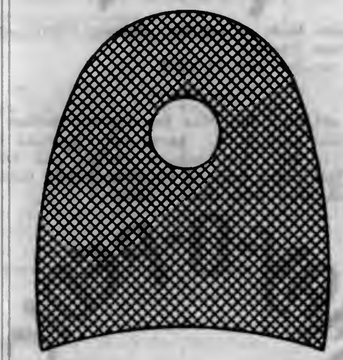
No claim is made to the word "Ty" apart from the mark. The drawing is lined for blue. The illustration of the girl is fanciful.
For Waterproof Shampoo Capes.
Claims use since October, 1937.

Ser. No. 427,499. COLORDINATION GROUP, INC., New York, N. Y. Filed Jan. 16, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

"PAN-AMERICAN PLUMAGE"

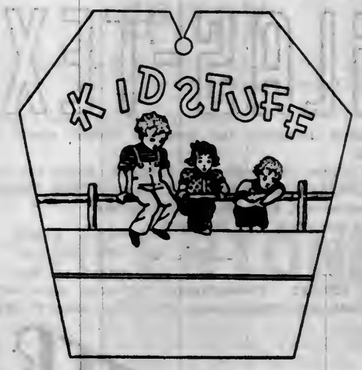
Applicant disclaims the word "Pan-American" except as shown.
For Women's and Misses' Coats, Suits, Dresses, Blouses, Outer Skirts, Hats, Hosiery, Shoes, and Gloves Made of Leather and Fabric and Combinations Thereof, and Apparel Belts.
Claims use since Jan. 3, 1940.

Ser. No. 427,700. CAT'S PAW RUBBER COMPANY, INC., Baltimore, Md. Filed Jan. 22, 1940.



No claim is made to the representation of the heel. The mark consists of a white figure of disc-like or circular configuration appearing on the surface of the heel.
For Rubber Heels.
Claims use since Jan. 15, 1901.

Ser. No. 427,725. SKYLINE MANUFACTURING COMPANY, INC., Kingston, N. Y. Filed Jan. 22, 1940.



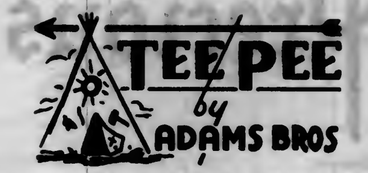
No claim is made to the representation of the tag apart from the mark.
For Children's Clothing—Namely, Children's Shorts, Shirts, Overalls, and Play Suits.
Claims use since Oct. 25, 1939.

Ser. No. 428,510. WILSON BROTHERS, Chicago, Ill. Filed Feb. 12, 1940.

Airloom

For Men's Outer Shirts, Sport Shirts, Pajamas, and Shorts.
Claims use since Dec. 21, 1939.

Ser. No. 428,514. ADAMS BROS., Pittsfield, N. H. Filed Feb. 12, 1940.



The expression "by Adams Bros." is disclaimed except as shown.
For Leather Shoes.
Claims use since Nov. 1, 1939.

Ser. No. 428,805. FELTMAN & CURME SHOE STORES CO., INC., Chicago, Ill. Filed Feb. 23, 1940.



For Shoes Made of Either Leather or Fabric or Combinations of Both Materials.
Claims use since Feb. 7, 1940.

Ser. No. 429,198. A. STEIN & COMPANY, Chicago, Ill. Filed Mar. 4, 1940.

GLAS-TEX

Applicant disclaims the notation "Glas" apart from the mark.

For Garters, Suspenders, Armbands, Belts for Outer Wear, Raincoats, Make-up Capes, Shower Caps, Children's Hose Supporters, and Household Aprons.

Claims use since Feb. 28, 1940.

Ser. No. 429,321. PROGRESSIVE CLOTHING MANUFACTURING COMPANY, Philadelphia, Pa. Filed Mar. 7, 1940.

TWEEDSTER

For Men's and Young Men's Overcoats and Top Coats.

Claims use since Dec. 15, 1939.

Ser. No. 429,335. VIRGINIA HOSIERY ASSOCIATES, INC., New York, N. Y. Filed Mar. 7, 1940.

Precious

For Hosiery.

Claims use since Nov. 15, 1939.

Ser. No. 429,526. GLASS & CO. DRESS CORP., New York, N. Y. Filed Mar. 13, 1940.

McClaire

For Women's, Misses', and Children's Dresses, Coats, Suits, Waists, and Blouses.

Claims use since September, 1939.

Ser. No. 429,613. THE JUVENILE SHOE CORPORATION OF AMERICA, Aurora, Mo. Filed Mar. 15, 1940.

HiTcHiKeRs

For Shoes of Leather or Kid.

Claims use since Feb. 5, 1940.

Ser. No. 429,681. BLAIR CORSET COMPANY, Chicago, Ill. Filed Mar. 18, 1940.

AERO-HINGE

For Brassières and Corsets.

Claims use since Jan. 3, 1939.

Ser. No. 429,951. AURELIO PATERAS PESCARA, doing business as Practical Bathingsuit Co., New York, N. Y. Filed Mar. 25, 1940.

ZIPOFF

For Bathing Suits for Men, Women, and Children.

Claims use since Mar. 15, 1939.

Ser. No. 429,969. BRADFORD FROCKS, INC., New York, N. Y. Filed Mar. 26, 1940.

KOOLABLES

For Ladies' and Children's Dresses, Sport Frocks, Coats, Jackets, Blouses, and Skirts.

Claims use since Jan. 30, 1940.

Ser. No. 430,048. TIMELY CLOTHES, INCORPORATED, Rochester, N. Y. Filed Mar. 27, 1940.

TORRET

For Men's Clothing—Namely, Suits, Topcoats, Overcoats, and Trousers.

Claims use since Jan. 23, 1940.

Ser. No. 430,132. WM. HAHN & Co., Washington, D. C. Filed Mar. 29, 1940.

Rover

For Shoes Made of Leather, Rubber, Fabric, and/or Combinations Thereof.

Claims use since Oct. 11, 1938.

Ser. No. 430,242. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo.; also doing business as Famous-Barr Company, St. Louis, Mo. Filed Apr. 1, 1940.

MAY-O-PEDIC

For Women's, Misses', Girls', Youths', and Children's Shoes, Oxfords, Strap Sandals, Slippers, and Boots, Made of Leather, Fabric, and Rubber, and Combinations Thereof.

Claims use since February, 1931.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 412,319. SOLO PRODUCTS CORPORATION, New York, N. Y. Filed Nov. 2, 1938.

SOLO

For Barrettes, Hair Bandeaux, Hair Ornaments, Combs, Curler Combs, Hair Clasps, Hair Clips, Hair Fasteners, and Hair Bows, Each Respectively of Non-Precious Metal; and Hair Ringlet Formers, and Hair Rollers Each Respectively Non-Electrical.

Claims use since June 15, 1937.

Ser. No. 428,725. THOMAS FRENCH AND SONS LIMITED, Manchester, England. Filed Feb. 20, 1940.

DUCOL

For Venetian Blind Ladder Webbing.

Claims use since Oct. 25, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 420,548. J. P. STEVENS & CO., INC., New York, N. Y. Filed June 15, 1939.



The word "Fabric" is disclaimed apart from the mark.

For Worsted Cloths.

Claims use since Oct. 28, 1938.

Ser. No. 426,437. COLUMBIA PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 11, 1939.

MarVelure

No claim is made to the word "Velure" apart from the mark.

For Velour Piece Goods.

Claims use since Nov. 15, 1939.

Ser. No. 426,906. M. SILVERMAN & SON, INC., Philadelphia, Pa. Filed Dec. 26, 1939.

FULL BLOOM

For Sheets and Pillow Cases.

Claims use since Nov. 14, 1939.

Ser. No. 427,603. TOOTAL BROADHURST LEE CO. LIMITED, Manchester, England. Filed Jan. 18, 1940.

EPILOX

For Piece Goods of Cotton, Rayon, Linen, and Wool and Goods Made of Mixtures Thereof Including Blankets.

Claims use since Nov. 28, 1939.

Ser. No. 428,215. CENTRAL PROCESSING CORPORATION, New York, N. Y. Filed Feb. 5, 1940.

SHEERTONE

For Decorated, Printed, and Ornamented Knitted and Woven Piece Goods, Which Fabrics May be Crepe Goods, Flat Goods, or Pile Goods and May Consist of Cotton, Silk, Linen, Wool, Rayon, or Mixtures Thereof.

Claims use since Dec. 19, 1939.

Ser. No. 429,459. F. SCHUMACHER & CO., doing business as Waverly Fabrics, Division of F. Schumacher & Co., New York, N. Y. Filed Mar. 11, 1940.

Sister Prints

The word "Prints" is disclaimed apart from the mark.

For Upholstery and Drapery Fabrics of Cotton, Silk, Rayon or Wool in the Piece.

Claims use since Mar. 6, 1940.

Ser. No. 429,730. JOS. S. COHEN & SONS CO., INC., New York, N. Y. Filed Mar. 19, 1940.

"Glamour Sheer"

The word "Sheer" is disclaimed apart from the mark.

For Cotton Piece Goods.

Claims use since Mar. 8, 1940.

Ser. No. 429,885. J. ROSENHOLZ, INC., New York, N. Y. Filed Mar. 22, 1940.

KINELLA PRINTS

Applicant disclaims the word "Prints" apart from the mark.

For Piece Goods Made Wholly or in Part of Acetate, Rayon, Spun Rayon, and Silk.

Claims use since Feb. 27, 1940.

Ser. No. 429,987. LINCOLN FABRICS INC., New York, N. Y. Filed Mar. 26, 1940.

ALICE IN WONDERLAND

For Piece Goods of Rayon, Silk, Silk and Rayon, Acetate, Linen, Cotton, Cotton and Rayon, and Silk in Any Combination.

Claims use since Mar. 8, 1940.

Ser. No. 430,057. CONCORD FABRICS, New York, N. Y. Filed Mar. 28, 1940.

STA-PERMA

For Textile Fabrics in the Piece of Cotton, Cotton-Rayon, Rayon, "Celanese", Acetate, Linen, and Silk.
Claims use since Jan. 13, 1939.

CLASS 43

Thread and Yarn

Ser. No. 428,113. FRASER MANUFACTURING CO. INC., New York, N. Y. Filed Feb. 1, 1940.

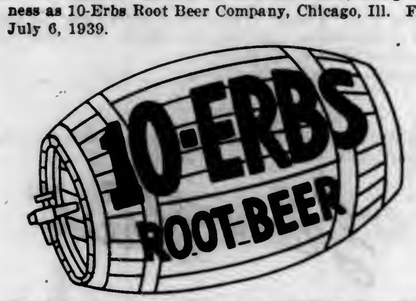
Crepe D'Lure

No claim is made to the word "Crepe" apart from the mark.
For Knitting and Crocheting Yarn Made of Cotton and Rayon.
Claims use since Jan. 11, 1940.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 421,322. ROBERT NATHANIEL PRICE, doing business as 10-Erbs Root Beer Company, Chicago, Ill. Filed July 6, 1939.



No claim is made to the words "10-Erbs Root Beer" apart from the mark.
For Nonalcoholic, Maltless, Carbonated Beverages, Sold as Soft Drinks.
Claims use since Jan. 3, 1939.

Ser. No. 425,498. WAUKESHA ROXO COMPANY, Milwaukee, Wis. Filed Nov. 9, 1939.



For Non-Alcoholic, Maltless Beverages; Tom Collins Mixer, Lime Rickey, White Soda, Ginger Ale, Carbonated Water, Club Soda, Kola, and All Soft Drinks Including But Not Limited by Enumeration the Following: Root Beer, Sarsaparilla, Cherry, Cream Soda, Orange Soda, Grapefruit, Lemon, Loganberry, Raspberry, and Lime.
Claims use since Mar. 1, 1934.

Ser. No. 428,440. NATIONAL DRY LIMITED OF LONDON, CANADA, London, Ontario, Canada. Filed Feb. 10, 1940.

Wishing Well

For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since Aug. 1, 1933.

Ser. No. 429,520. DREWRYS DRY GINGER ALE, U. S. A., INC., Detroit, Mich. Filed Mar. 13, 1940.

ALKA-PEP

For Maltless Non-Alcoholic Beverages and Extracts for Making Same.
Claims use since Feb. 15, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 415,676. JULES WEBER, INC., New York, N. Y. Filed Feb. 6, 1939.

VAUBAN

For Olive Oil, Canned Goods—Namely, Paté de Foies Gras, String Beans, Peas, Lettuce, Sorrel, and Also Spices—Namely, Paprika, Cloves, White Pepper, Cinnamon, Nutmeg, and Leaf Thyme, and Also Canned Fruits—Namely, Olives, Peeled Muskat Grapes.
Claims use since Nov. 17, 1898.

Ser. No. 416,238. AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis. Filed Feb. 20, 1939.

Ambrosia

For Sweet and Bitter, Solid and Powdered Chocolate and Cocoa Preparations for Food Beverages, Chocolate, Cocoa, and Candy.
Claims use since December, 1905.

Ser. No. 416,239. AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis. Filed Feb. 20, 1939.

FOOD OF THE GODS

No claim is made for the word "Food" apart from the mark.
For Sweet and Bitter, Solid and Powdered Chocolate and Cocoa Preparations for Food Beverages, Chocolate, Cocoa, and Candy.
Claims use since January, 1928.

Ser. No. 419,160. THE TUPMAN THURLOW SALES CO., INC., New York, N. Y. Filed May 6, 1939.



Applicant disclaims the words "Brand" and "Danish" and the representation of the goods apart from the mark.
For Cooked Hams, Cooked Shoulders, Cooked Picnics.
Claims use since Oct. 1, 1938.

Ser. No. 419,591. RALPH E. MYERS, doing business as Ralph E. Myers Co., Salinas, Calif. Filed May 19, 1939.

FARM FRESH

REMCO

The applicant is the owner of registration No. 371,573, dated Sept. 26, 1939 and 371,963, dated Oct. 17, 1939.
No claim is made to the words "Farm Fresh" apart from the mark.
For Fresh Vegetables.
Claims use since Apr. 6, 1939.

Ser. No. 420,669. GREEN BAY FOOD CO., Green Bay, Wis. Filed June 19, 1939.



For Mayonnaise, French Dressing, Salad Dressing, Sandwich Spread, Jellies, Sweet Onions, Sweet Relish, Salad Mustard, Prepared Mustard, Mixed Pickles, Tea Party Pickles, Sour Pickles, Sweet Pickles, Sweet Mustard Pickles, and Dill Pickles.
Claims use since Feb. 23, 1907.

Ser. No. 420,671. GREEN BAY FOOD CO., Green Bay, Wis. Filed June 19, 1939.

OK

For Mayonnaise, French Dressing, Salad Dressing, Sandwich Spread, Jellies, Tea Party Pickles, Sweet Mixed Pickles, Sour Pickles, Sweet Relish, Sweet Pickles, Sweet Mustard Pickles, Dill Pickles, Sweet Onions, Vinegar, Salad Mustard, and Prepared Mustard.
Claims use since 1883.

Ser. No. 422,389. WILMINGTON PROVISION COMPANY, Wilmington, Del. Filed Aug. 7, 1939.



PREKOOKED

No claim is made to the word "Prekooked" apart from the mark.
For Packaged Cooked Ham.
Claims use since July, 1934.

Ser. No. 422,577. CROWN PRODUCTS CORPORATION, San Francisco, Calif. Filed Aug. 14, 1939.

San Gallo

For Olive Oil, Cotton Seed Oil, Vinegar, Mayonnaise, and Jams.
Claims use since June 7, 1939.

Ser. No. 425,875. A/S EINAR HAUSVIK & Co., Bergen, Norway. Filed Nov. 21, 1939.



Exclusive right to the word "Brisling" apart from the words "King of" is disclaimed. The following are also

disclaimed apart from the mark as shown in the drawing:—"Product of Norway"; "Norwegian"; "Sardines"; "In Pure Olive Oil"; "Choice Quality"; "Packed by"; "Bergen, Norway"; "Contents 3¾ oz."; "Means Quality"; and the dotted outline of a fish. The representation of a label is disclaimed apart from the mark as shown in the drawing.

For Canned Fish and Particularly Sardines.
Claims use since Aug. 11, 1937.

Ser. No. 427,925. THE BANTON CORPORATION, New York, N. Y. Filed Jan. 27, 1940.

Chilford

For Catsup, Chili Sauce, Canned Berries, Canned Fruits and Fruit Juices for Food Purposes, Mustard, Salad Dressing and Mayonnaise, Pepper Sauce, Canned Pork and Beans, Spaghetti, Macaroni, Canned Soups, Evaporated Milk, Condensed Milk, Canned Vegetables—Namely, Beans, Asparagus, Sauerkraut, Cabbage, Tomatoes, String Beans, Peas, Corn, Mixed Vegetables, Canned Tomato Purèe, Canned Fish—Namely, Salmon, Sardines, Shrimps, Oysters, Lobsters, Fish Pastes, Sandwich Spread and Relish Spread, Vinegar, Olives, Tea.
Claims use since Jan. 9, 1940.

Ser. No. 429,112. WEISSTEIN BROS. & SURVOL, Los Angeles, Calif. Filed Mar. 1, 1940.

BLUE MIST

For Canned Fish—Namely, Canned Tuna.
Claims use since Feb. 16, 1940.

Ser. No. 429,187. MOYER & SON, Los Angeles, doing business as Robt. D. Moyer, Littlerock, Calif. Filed Mar. 4, 1940.

RED TURKEY

For Fresh Deciduous Fruits—Namely, Pears.
Claims use since March, 1929.

Ser. No. 429,379. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y. Filed Mar. 8, 1940.

Curbay B-G

For Dried Molasses Fermentation Residue Product Rich in Riboflavin for Use as a Poultry and Livestock Feed Supplement.
Claims use since Feb. 29, 1940.

Ser. No. 429,492. SHIELD FOODS, INC., Buffalo, N. Y. Filed Mar. 12, 1940.

Royal Manor

Applicant is the registrant and owner of trade-mark registration No. 341,362, dated Dec. 8, 1936.

For Canned Fruits and Vegetables, Including Fruit Cocktail, Fruit Salad, Orange and Grapefruit Sections, Peaches, Prunes, Crushed Pineapple, Whole Green Beans, Whole Wax Beans, Whole Beets, Corn, Peas, Succotash, Tomatoes; and for Ripe Olives, Prune Juice, Pineapple Juice, Apricot Nectar, Orange and Grapefruit Juice, and Orange Juice, for Food Purposes.

Claims use in 1936 since about January 1st on Fruit Cocktail, Fruit Salad and Peaches; since about June 1st on Orange Juice and Whole Green Beans; since about August 1st on Whole Wax Beans; since about September 1st on Corn; since about November 1st on Prunes and Peas; and since about December 1st on Prune Juice, Whole Beets, and Ripe Olives; in 1937, since about September 1st on Apricot Nectar; in 1938, since about November 1st on Tomatoes; and in 1939, since about February 1st on Orange and Grapefruit Juice; since about April 1st on Pineapple Juice and Crushed Pineapple; since about July 1st on Orange and Grapefruit Sections; and since about October 1st on Succotash.

Ser. No. 429,550. LODI DISTRIBUTING CO., INCORPORATED, Lodi, Calif. Filed Mar. 13, 1940.

LODI GOLD

No claim is made to the name "Lodi" apart from the mark.
For Fresh Grapes.
Claims use since Aug. 24, 1939.

Ser. No. 429,614. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Mar. 15, 1940.

KROGO

For Hydrogenated Vegetable Oil Product to Be Used for Baking, Frying, and Other Cooking Purposes.
Claims use since Dec. 15, 1939.

Ser. No. 429,823. NAT J. PATTERSON, Fort Meade, Fla. Filed Mar. 21, 1940.

SKY CHIEF

For Canned Fruits and Vegetables.
Claims use since Oct. 19, 1935.

Ser. No. 429,843. CRANBERRY CANNERS, INC., South Hanson, Mass. Filed Mar. 22, 1940.

CRAN

For Cranberry Juice for Food Purposes.
Claims use since Apr. 8, 1939.

Ser. No. 429,852. GREEN & GOLD GROVES, INC., Pico, Calif. Filed Mar. 22, 1940.

SUN PRIDE

For Fresh Citrus Fruits.
Claims use since Mar. 13, 1940.

Ser. No. 429,862. T. R. MERRILL, doing business as Merrill Packing Company, Salinas, Calif. Filed Mar. 22, 1940.

MERRILL

No claim is made to the representation of the label apart from the mark.
For Fresh Vegetables.
Claims use since Nov. 8, 1939.

Ser. No. 429,864. PACIFIC AMERICAN FISHERIES, INC., South Bellingham, Wash. Filed Mar. 22, 1940.

PRIDE of DIXIE

For Canned Salmon.
Claims use since 1900.

Ser. No. 429,865. PACIFIC AMERICAN FISHERIES, INC., South Bellingham, Wash. Filed Mar. 22, 1940.

SILVER BOW

For Canned Salmon.
Claims use since 1908.

Ser. No. 429,959. THE TIMES-MIRROR COMPANY, Los Angeles, Calif., doing business as Union Citrus Orchards, Brea, Calif. Filed Mar. 25, 1940.

100

For Fresh Citrus Fruits.
Claims use since Mar. 6, 1940.

Ser. No. 429,960. THE TIMES-MIRROR COMPANY, Los Angeles, Calif., doing business as Union Citrus Orchards, Brea, Calif. Filed Mar. 25, 1940.

DOUBLE-O

For Fresh Citrus Fruits.
Claims use since Mar. 6, 1940.

Ser. No. 429,988. LOS ANGELES IMPORTING CO. INC., Los Angeles, Calif. Filed Mar. 26, 1940.

EL DORADO

For Olive Oil.
Claims use since Mar. 15, 1940.

Ser. No. 430,071. THE DAN-DEE PRETZEL AND POTATO CHIP COMPANY, Cleveland, Ohio. Filed Mar. 28, 1940.

Dan Dee

The applicant is the owner of trade-mark registration No. 261,450, Sept. 17, 1929, and trade-mark registration No. 301,078, Feb. 14, 1933.
For Potato Chips.
Claims use since September, 1932.

CLASS 47

Wines

Ser. No. 423,598. RICHARD GOTTARDI, New York, N. Y. Filed Sept. 14, 1939.



For Wines.
Claims use since July 12, 1939.

Ser. No. 429,692. EAST-SIDE WINERY, Lodi, Calif. Filed Mar. 18, 1940.

EASTMONT

For Wines.
Claims use since Feb. 28, 1940.

Ser. No. 429,945. L'HERMITAGE-ELK GROVE, Elk Grove, Calif. Filed Mar. 25, 1940.

La Crescenta

For Wines.
Claims use since Apr. 26, 1934.

Ser. No. 429,946. L'HERMITAGE-ELK GROVE, Elk Grove, Calif. Filed Mar. 25, 1940.



No claim is made to the notation "A Rare Wine" or to the representation of a label apart from the mark.
For Wines.
Claims use since Feb. 7, 1939.

CLASS 48

Malt Beverages and Liquors

Ser. No. 427,476. RAINIER BREWING COMPANY, San Francisco, Calif. Filed Jan. 15, 1940.



Applicant is owner of trade-mark Reg. 315,574 for the word "Rainier" effected under the 10-year proviso. The drawing is lined for red and silver.
For Beer.
Claims use since Feb. 23, 1939.

Ser. No. 429,816. LOCKPORT BREWING COMPANY, Lock Haven, Pa. Filed Mar. 21, 1940.



No claim is made to the words "Better Beer" and "Special."
For Beer and Ale.
Claims use since Feb. 27, 1940.

Ser. No. 430,014. J. E. BROXSON, New Orleans, La. Filed Mar. 27, 1940.



For Beer and Ale.
Claims use since Dec. 9, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 21, 1940

377,897. FIBER BOARD, THERMAL INSULATING BOARD, COMPOSITE BOARD, CONSTRUCTION BOARD, SYNTHETIC LUMBER OR ARTIFICIAL LUMBER, AND HARDBOARD. MASONITE CORPORATION, Chicago, Ill.

Filed April 14, 1937. Serial No. 391,331. PUBLISHED JULY 20, 1937. Class 12.

377,898. OIL PREPARATION FOR THE PURPOSE OF MAKING LEATHER MORE FLEXIBLE. ALBERT M. TAYLOR, doing business as FLX-M Products Company, Exeter, N. H.

Filed May 31, 1938. Serial No. 406,950. PUBLISHED MARCH 12, 1940. Class 4.

377,899. FRESH VEGETABLES, FRUITS, CITRUS AND DECIDUOUS, INCLUDING BERRIES AND CHERRIES, AND FISH SOLD IN A FROZEN STATE. SKY BROTHERS, Altoona, Pa.

Filed June 7, 1938. Serial No. 407,202. PUBLISHED MARCH 12, 1940. Class 46.

377,900. PORCELAIN, PARTICULARLY IN POWDERED FORM FOR DENTAL USE. AUSTENAL LABORATORIES, INC., New York, N. Y.

Filed August 16, 1938. Serial No. 409,636. PUBLISHED MARCH 12, 1940. Class 44.

377,901. PHOTO-ELECTRIC CELLS, LIGHT SOURCES FOR THE CONTROL OF PHOTO-ELECTRIC CELLS, AND EQUIPMENT FOR INTER-OFFICE AND INTER-COMPARTMENT COMMUNICATION SYSTEMS—NAMELY, CURRENT AMPLIFIERS, SPEAKERS, AND TRANSMITTERS. KENNETH MCINTOSH, doing business as Raytec Ltd., Los Angeles, Calif.

Filed November 7, 1938. Serial No. 412,453. PUBLISHED MARCH 12, 1940. Class 21.

377,902. PORTABLE HAND FIRE EXTINGUISHERS OF THE CARBON TETRACHLORIDE TYPE. FIRE-GARD CORPORATION, San Francisco, Calif.

Filed November 8, 1938. Serial No. 412,500. PUBLISHED MARCH 12, 1940. Class 23.

377,903. DRIED FRUITS, NUTS, AND NUT MEATS IN THEIR NATURAL STATE AND SALTED. U. P. DAMOFLE, doing business as National Fig & Date Company, Chicago, Ill.

Filed November 12, 1938. Serial No. 412,631. PUBLISHED MARCH 5, 1940. Class 46.

377,904. LUBRICATING OILS AND GREASES, MOTOR OILS, GASOLINES, KEROSENE, TRACTOR DISTILLATES, AND FUEL OILS. UNITED CO-OPERATIVES, INC., Indianapolis, Ind.

Filed November 12, 1938. Serial No. 412,680. PUBLISHED FEBRUARY 14, 1939. Class 15.

377,905. TRADING COUPONS OR STAMPS. FAIRMONT CANNING COMPANY, Fairmont, Minn.

Filed February 10, 1939. Serial No. 415,890. PUBLISHED MARCH 5, 1940. Class 38.

377,906. WOOD PULP AND CHEMICAL PULP. FRASER COMPANIES, LIMITED, Edmundston, New Brunswick, Canada.

Filed February 15, 1939. Serial No. 416,085. PUBLISHED NOVEMBER 7, 1939. Class 1.

377,907. RESILIENT VEHICLE TIRES OF RUBBER OR RUBBER COMPOSITION OR RUBBER AND FABRIC. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.

Filed February 25, 1939. Serial No. 416,410. PUBLISHED MARCH 12, 1940. Class 35.

377,908. CONTINUING SERIES OF PUBLICATIONS—NAMELY, A REGULAR COLUMN IN A NEWSPAPER. MURIEL SAUNDERS, doing business as Marilyn King, San Francisco, Calif.

Filed March 14, 1939. Serial No. 417,064. PUBLISHED MARCH 12, 1940. Class 38.

377,909. ANGORA YARN. JULIUS A. WEINBERGER, doing business as The Jawine Company, New York, N. Y.

Filed March 18, 1939. Serial No. 417,244. PUBLISHED MARCH 12, 1940. Class 43.

377,910. REFRIGERATORS AND PARTS THEREOF. BORG-WARNER CORPORATION, Chicago, Ill., and Detroit, Mich.

Filed April 8, 1939. Serial No. 417,996. PUBLISHED MARCH 12, 1940. Class 31.

377,911. ELECTRO-MEDICAL APPARATUS—NAMELY, X-RAY APPARATUS, SHORT-WAVE DIATHERMY APPARATUS, ULTRA-VIOLET LAMPS, LOW-VOLT APPARATUS FOR GALVANIC, SINUSOIDAL, AND FARADIC TREATMENTS. BEDFORD SURGICAL CO. INC., Brooklyn, N. Y.

Filed May 16, 1939. Serial No. 419,467. PUBLISHED MARCH 12, 1940. Class 44.

377,912. CARD CLOTH (CARD CLOTHING FOUNDATION). LLOYD MANUFACTURING CO., INC., Apponaug, R. I.

Filed May 20, 1939. Serial No. 419,617. PUBLISHED MARCH 12, 1940. Class 50.

377,913. PERIODICAL PUBLICATION. NEWS MAP OF THE WEEK, INC., Chicago, Ill.

Filed May 27, 1939. Serial No. 419,931. PUBLISHED MARCH 12, 1940. Class 38.

377,914. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.

Filed June 2, 1939. Serial No. 420,112. PUBLISHED MARCH 12, 1940. Class 46.

377,915. PAPER DOLLS. METAL TEXTILE CORPORATION, West Orange, N. J.

Filed July 1, 1939. Serial No. 421,192. PUBLISHED MARCH 12, 1940. Class 22.

377,916. WOOD FLOORING. E. L. BRUCE COMPANY, Memphis, Tenn.

Filed July 6, 1939. Serial No. 421,300. PUBLISHED FEBRUARY 6, 1940. Class 12.

377,917. PAPER—NAMELY, PRINTING PAPERS, KRAFT PAPERS, WRAPPING PAPERS, WRITING PAPERS, DRAWING PAPERS, CONVERTING MANILA PAPERS, ENVELOPE PAPERS, AND REGISTER PAPERS. ST. REGIS PAPER COMPANY, New York, N. Y.

Filed July 27, 1939. Serial No. 422,024. PUBLISHED MARCH 12, 1940. Class 37.

377,918. CANNED PICKLED HERRING. DELCA FISH PRESERVATORS, INC., Brooklyn, N. Y.

Filed August 1, 1939. Serial No. 422,170. PUBLISHED MARCH 12, 1940. Class 46.

377,919. DENTAL PROSTHESES INCLUDING SINGLE TOOTH RESTORATIONS SUCH AS FILLINGS, INLAYS, CROWNS, ETC. COE LABORATORIES, INC., Chicago, Ill.

Filed August 7, 1939. Serial No. 422,393. PUBLISHED MARCH 12, 1940. Class 44.

377,920. WRITING AND TYPEWRITING PAPER. MAJESTIC PAPER CORPORATION, New York, N. Y.

Filed August 29, 1939. Serial No. 423,104. PUBLISHED MARCH 12, 1940. Class 37.

377,921. OIL BURNERS. TIDE WATER ASSOCIATED OIL COMPANY, Wilmington, Del., and New York, N. Y.

Filed September 6, 1939. Serial No. 423,344. PUBLISHED MARCH 12, 1940. Class 34.

377,922. RUM, WHISKEY, GIN, CORDIALS, AND LIQUEURS. MANY, BLANC & CO., INC., Chicago, Ill.

Filed September 15, 1939. Serial No. 423,632. PUBLISHED MARCH 12, 1940. Class 49.

377,923. INTERNAL COMBUSTION MOTORS, INCLUDING CYLINDER BLOCKS, CYLINDER HEADS, CONNECTING RODS, AND PISTONS; CLUTCH PRESSURE PLATES, CLUTCH AND CLUTCH COVER ASSEMBLIES, CARBURETORS, DIFFERENTIAL ASSEMBLIES, AUTOMOBILE POWER TRANSMISSIONS, INCLUDING GEARS AND SHAFTS; FUEL PUMPS, WATER PUMPS AND PARTS THEREOF. GOODYEAR MOTOR SALES COMPANY, Los Angeles, Calif.

Filed September 21, 1939. Serial No. 423,797. PUBLISHED MARCH 12, 1940. Class 23.

377,924. BLANKETS OF WOOL AND OF WOOL AND COTTON, AND FABRICS OF WOOL, WOOL AND COTTON, AND COTTON, PARTICULARLY FABRICS USED IN MAKING MEN'S, WOMEN'S, CHILDREN'S, AND INFANTS' GARMENTS, INCLUDING LOUNGE COATS, BED JACKETS, THROWS, SHIRTS, AND COMBINATION ROBES AND HOODS. NORTH STAR WOOLEN MILL COMPANY, Minneapolis, Minn.

Filed September 27, 1939. Serial No. 423,982. PUBLISHED MARCH 12, 1940. Class 42.

377,925. TICKING. COLORBRITE TEXTILES, INC., New York, N. Y., assignor to National Ticking Corp., New York, N. Y.

Filed September 28, 1939. Serial No. 423,999. PUBLISHED MARCH 12, 1940. Class 42.

377,926. TOILET PAPER. A. P. W. PAPER COMPANY, INC., Albany, N. Y.

Filed October 7, 1939. Serial No. 424,285. PUBLISHED DECEMBER 5, 1939. Class 37.

377,927. WOMEN'S AND MISSES' DRESSES. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.

Filed October 9, 1939. Serial No. 424,330. PUBLISHED MARCH 12, 1940. Class 39.

377,928. MONTHLY MAGAZINE. GLEN KEL PUBLISHING COMPANY, INC., New York, N. Y.

Filed October 9, 1939. Serial No. 424,350. PUBLISHED MARCH 5, 1940. Class 38.

377,929. FOUNDRY MOLD AND CORE WASH. THE TITANIUM ALLOY MANUFACTURING COMPANY, Niagara Falls, N. Y.

Filed October 10, 1939. Serial No. 424,415. PUBLISHED MARCH 12, 1940. Class 1.

377,930. FOUNDRY MOLD AND CORE WASH. THE TITANIUM ALLOY MANUFACTURING COMPANY, Niagara Falls, N. Y.

Filed October 10, 1939 Serial No. 424,416. PUBLISHED MARCH 12, 1940. Class 1.

377,931. KNITTED UNDERWEAR AND SWEATERS FOR THE USE OF MEN, WOMEN, BOYS, AND GIRLS. HIGH ROCK SALES AGENCY, New York, N. Y.

Filed October 23, 1939. Serial No. 424,808. PUBLISHED MARCH 12, 1940. Class 39.

377,932. SASH BALANCES. DUPLEX, INCORPORATED, Los Angeles, Calif.

Filed October 24, 1939. Serial No. 424,845. PUBLISHED MARCH 12, 1940 Class 13.

377,933. ASBESTOS CEMENT SHINGLES AND SIDING. UNITED STATES GYPSUM COMPANY, Chicago, Ill.

Filed October 28, 1939. Serial No. 425,019. PUBLISHED MARCH 5, 1940. Class 12.

377,934. YEARLY PUBLICATION RELATING TO BUILDING MATERIALS AND SUPPLIES AND THEIR USES. UNITED STATES GYPSUM COMPANY, Chicago, Ill.

Filed October 28, 1939. Serial No. 425,020. PUBLISHED MARCH 5, 1940. Class 38.

377,935. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. PROPHYLACTIC PRODUCTS CO., INC., Boston, Mass., now by change of name Prophylactic Products Corporation.

Filed October 31, 1939. Serial No. 425,099. PUBLISHED MARCH 12, 1940. Class 44.

377,936. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. PROPHYLACTIC PRODUCTS CO., INC., Boston, Mass., now by change of name Prophylactic Products Corporation.

Filed October 31, 1939. Serial No. 425,100. PUBLISHED MARCH 12, 1940. Class 44.

377,937. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. PROPHYLACTIC PRODUCTS CO., INC., Boston, Mass., now by change of name Prophylactic Products Corporation.

Filed October 31, 1939. Serial No. 425,101. PUBLISHED MARCH 12, 1940. Class 44.

377,938. WINES. SOUTHLAND WINE CORPORATION, Richmond, Va.

Filed November 2, 1939. Serial No. 425,167. PUBLISHED MARCH 12, 1940. Class 47.

377,939. FRESH CITRUS FRUIT. EVANS BROS., Riverside, Calif.

Filed November 3, 1939. Serial No. 425,196. PUBLISHED MARCH 12, 1940. Class 46.

377,940. VERTICAL VALVE-BOTTOM DIPPERS FOR REMOVING CREAM FROM BOTTLED MILK. KENWAY CORPORATION, Toledo, Ohio.

Filed November 3, 1939. Serial No. 425,203. PUBLISHED MARCH 12, 1940. Class 13.

377,941. CIGARS, CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind.

Filed November 6, 1939. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 425,289. PUBLISHED MARCH 12, 1940. Class 17.

377,942. COAL, COKE, KINDLING WOOD, WIPING RAGS, WASTE, HIDES, LEATHER, FUR SKINS, SPONGES, CHAMOIS, ETC. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind.

Filed November 6, 1939. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 425,291. PUBLISHED MARCH 12, 1940. Class 1.

377,943. UNEXPOSED FILM. TIME, INCORPORATED, New York, N. Y.

Filed November 6, 1939. Serial No. 425,311. PUBLISHED MARCH 12, 1940. Class 26.

377,944. MEDICINAL OINTMENT FOR THE RELIEF OF IMPETIGO, PIMPLES, AND LOCAL SKIN DISEASES. THOMAS R. GIBBS, Washington, D. C.

Filed November 8, 1939. Serial No. 425,408. PUBLISHED MARCH 5, 1940. Class 6.

377,945. PUBLICATIONS, PARTICULARLY BOOKS RELATING TO COMMUNICATIONS. MAMYE E. NELSON, doing business as TCR Advertising and Sales Co., New York, N. Y.

Filed November 9, 1939. Serial No. 425,483. PUBLISHED MARCH 5, 1940. Class 38.

377,946. EROSION CHECK DAMS. FLOYD A. SKOW, doing business as Erosion Check Dam Company, Audubon, Iowa.

Filed November 9, 1939. Serial No. 425,492. PUBLISHED MARCH 5, 1940. Class 12.

377,947. MODEL ELECTRIC RAILROAD APPARATUS COMPRISING MODEL TRACKS, SIGNALS, SIGNAL LAMPS, SIGNAL BRIDGES, SWITCH MACHINES, CONTROL EQUIPMENT, AND KITS OF PARTS AND SUPPLIES FOR ASSEMBLING AND OPERATING THE SAME, SOLD PRIMARILY FOR INFORMATIVE AND INSTRUCTIVE PURPOSES. CRAWFORD E. STAPLES, Wilkinsburg, Pa.
Filed November 16, 1939. Serial No. 425,710. PUBLISHED MARCH 12, 1940. Class 21.

377,948. STORAGE BATTERIES AND PARTS THEREOF. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio.
Filed November 17, 1939. Serial No. 425,769. PUBLISHED MARCH 12, 1940. Class 21.

377,949. SEMI-WEEKLY PUBLICATION COVERING SUBJECT MATTER RELATING TO THE REGULATION AND CONTROL OF BUSINESS. BUSINESS EXECUTIVE PUBLICATIONS, INC., Washington, D. C.
Filed November 24, 1939. Serial No. 425,912. PUBLISHED FEBRUARY 20, 1940. Class 38.

377,950. TOY PROJECTOR. FOX FEATURE SYNDICATE, INC., Jersey City, N. J., and New York, N. Y.
Filed November 24, 1939. Serial No. 425,916. PUBLISHED MARCH 12, 1940. Class 22.

377,951. COMPOSITION OR ADMIXTURE FOR INCORPORATION WITH A CONCRETE MIX AND THE LIKE. TRIP-L-SEAL, INCORPORATED, Washington, D. C.
Filed November 25, 1939. Serial No. 425,970. PUBLISHED MARCH 5, 1940. Class 12.

377,952. SMOKED GLASS. AMERICAN WINDOW GLASS COMPANY, Pittsburgh, Pa.
Filed November 28, 1939. Serial No. 426,017. PUBLISHED MARCH 12, 1940. Class 33.

377,953. GOLF BALLS. CORELESS GOLF BALL COMPANY, Wilmington, Del.
Filed November 29, 1939. Serial No. 426,053. PUBLISHED MARCH 12, 1940. Class 22.

377,954. STEEL BARS. AMERICAN ISTEG STEEL CORPORATION, New York, N. Y.
Filed December 2, 1939. Serial No. 426,147. PUBLISHED MARCH 12, 1940. Class 14.

377,955. SILKS, WOOLENS, RAYON, AND COMBINATION SILK AND RAYON. PRINCESS FABRICS INC., New York, N. Y.
Filed December 2, 1939. Serial No. 426,168. PUBLISHED MARCH 12, 1940. Class 42.

377,956. COMBINATION RAINCOAT, TRENCH COAT, AND TOPCOAT FOR GENERAL WEAR BY MEN AND WOMEN. TARSHES BROS., INC., New York, N. Y.
Filed December 2, 1939. Serial No. 426,174. PUBLISHED MARCH 12, 1940. Class 39.

377,957. PIPE JOINT SEALING COMPOSITION. INDUSTRIAL RESEARCH LABORATORIES, LTD., Los Angeles, Calif.
Filed December 4, 1939. Serial No. 426,202. PUBLISHED MARCH 5, 1940. Class 12.

377,958. DRINKING STRAWS. MARYLAND PAPER PRODUCTS CO., Baltimore, Md.
Filed December 4, 1939. Serial No. 426,211. PUBLISHED MARCH 12, 1940. Class 50.

377,959. CIGARETTES. PAN AMERICAN PRODUCTS CORP., Newark, N. J.
Filed December 4, 1939. Serial No. 426,218. PUBLISHED MARCH 12, 1940. Class 17.

377,960. SUBSTANCES CONSISTING CHIEFLY OF COMMINUTED IRON IN POWDER AND PLASTIC FORM USED AS A CEMENT IN PIPE-JOINTS, ETC. SMOOTH-ON MANUFACTURING COMPANY, Jersey City, N. J.
Filed December 4, 1939. Serial No. 426,233. PUBLISHED MARCH 5, 1940. Class 12.

377,961. FRESH CITRUS FRUITS. THE TIMES-MIRROR COMPANY, also doing business as Union Citrus Orchards, Brea, Calif.
Filed December 5, 1939. Serial No. 426,277. PUBLISHED FEBRUARY 20, 1940. Class 46.

377,962. RUBBER COMPOSITION FOR SOUND DEADENING AND VIBRATION ABSORPTION. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed December 6, 1939. Serial No. 426,292. PUBLISHED MARCH 12, 1940. Class 1.

377,963. PAPER AND MORE PARTICULARLY CORRUGATED PAPER. SHERMAN PAPER PRODUCTS CORPORATION, Newton, Mass.
Filed December 6, 1939. Serial No. 426,307. PUBLISHED MARCH 12, 1940. Class 37.

377,964. VACUUM APPARATUS FOR DEAERATING LIQUIDS AND THE LIKE. THERMAL RESEARCH CORPORATION, Richmond, Va.
Filed December 6, 1939. Serial No. 426,311. PUBLISHED MARCH 12, 1940. Class 23.

377,965. SYNTHETIC STRAW. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed December 7, 1939. Serial No. 426,326. PUBLISHED MARCH 12, 1940. Class 1.

377,966. SANITARY NAPKINS. FORBES & WALLACE, INC., Springfield, Mass.
Filed December 7, 1939. Serial No. 426,332. PUBLISHED MARCH 12, 1940. Class 44.

377,967. NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. SANDOR GOLDBERGER INC., New York, N. Y.
Filed December 7, 1939. Serial No. 426,345. PUBLISHED MARCH 5, 1940. Class 28.

377,968. BOOKS. CHEKHOV THEATRE STUDIO, INCORPORATED, Ridgefield, Conn.
Filed December 8, 1939. Serial No. 426,358. PUBLISHED MARCH 12, 1940. Class 38.

377,969. TELEPHOTO LENSES, PHOTOGRAPHIC LENSES, AND CAMERAS. UNIVERSAL CAMERA CORPORATION, New York, N. Y.
Filed December 8, 1939. Serial No. 426,382. PUBLISHED MARCH 12, 1940. Class 26.

377,970. WRIST WATCHES, POCKET WATCHES, ELECTRIC CLOCKS, AND SPRING DRIVEN CLOCKS, AND PARTS THEREOF. WALT DISNEY PRODUCTIONS, Hollywood, Calif.
Filed December 9, 1939. Serial No. 426,401. PUBLISHED MARCH 12, 1940. Class 27.

377,971. GOLF CLUBS AND GOLF BALLS. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo.
Filed December 11, 1939. Serial No. 426,470. PUBLISHED MARCH 12, 1940. Class 22.

377,972. PAPER NAPKINS. RALPH RUBINO, New York, N. Y.
Filed December 12, 1939. Serial No. 426,498. PUBLISHED MARCH 12, 1940. Class 37.

377,973. OILS AND GREASES FOR CHASSIS AND GEAR LUBRICATION. VALVOLINE OIL COMPANY, Cincinnati, Ohio, and New York, N. Y.
Filed December 12, 1939. Serial No. 426,503. PUBLISHED MARCH 12, 1940. Class 15.

377,974. CANNED SCRAPPLE. F. G. VOGT & SONS, INCORPORATED, Philadelphia, Pa.
Filed December 12, 1939. Serial No. 426,505. PUBLISHED MARCH 12, 1940. Class 46.

377,975. MEN'S, YOUNG MEN'S, AND JUNIOR SUITS, TOPCOATS, AND OVERCOATS. BECKER CLOTHING INCORPORATED, Cincinnati, Ohio.
Filed December 13, 1939. Serial No. 426,518. PUBLISHED MARCH 12, 1940. Class 39.

377,976. PARASOLS AND UMBRELLAS. BEST & CO. INC., New York, N. Y.
Filed December 13, 1939. Serial No. 426,519. PUBLISHED MARCH 12, 1940. Class 41.

377,977. NEWSPAPER. THE PULITZER PUBLISHING COMPANY, St. Louis, Mo.
Filed December 13, 1939. Serial No. 426,538. PUBLISHED MARCH 12, 1940. Class 38.

377,978. MAGAZINE SECTION OF A NEWSPAPER. THE PULITZER PUBLISHING COMPANY, St. Louis, Mo.
Filed December 13, 1939. Serial No. 426,539. PUBLISHED MARCH 12, 1940. Class 38.

377,979. PLANT COVERS. CHICOPEE MANUFACTURING CORPORATION, New Brunswick, N. J.
Filed December 14, 1939. Serial No. 426,557. PUBLISHED MARCH 12, 1940. Class 50.

377,980. PAPER RECORD SHEETS FOR TIME CLOCKS AND TIME RECORDING APPARATUS. DETEX WATCHCLOCK CORPORATION, New York, N. Y.
Filed December 28, 1939. Serial No. 426,938. PUBLISHED MARCH 12, 1940. Class 37.

377,981. LUBRICATING OILS AND GREASES. THE GARLOCK PACKING COMPANY, Palmyra, N. Y.
Filed December 28, 1939. Serial No. 426,945. PUBLISHED MARCH 12, 1940. Class 15.

377,982. SEALING COMPOUND FOR USE IN CONNECTION WITH GASKET AND PIPE JOINTS. THE GARLOCK PACKING COMPANY, Palmyra, N. Y.
Filed December 28, 1939. Serial No. 426,946. PUBLISHED MARCH 12, 1940. Class 12.

377,983. SEALING COMPOUND FOR USE IN CONNECTION WITH GASKET AND PIPE JOINTS. THE GARLOCK PACKING COMPANY, Palmyra, N. Y.
Filed December 28, 1929. Serial No. 426,947. PUBLISHED MARCH 12, 1940. Class 12.

377,984. ASPHALT COMPOSITION ROLL SIDING AND ASPHALT SHINGLES. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill.
Filed December 28, 1939. Serial No. 426,949. PUBLISHED MARCH 12, 1940. Class 12.

377,985. COMPLETE OIL AND GAS BUILDING HEATING AND AIR CONDITIONING UNITS, FURNACES, SPACE HEATERS, AND SERVICE WATER HEATERS. EVANS PRODUCTS COMPANY, Detroit, Mich.
Filed December 14, 1939. Serial No. 426,567. PUBLISHED MARCH 12, 1940. Class 34.

377,986. CARD INDEXES, BLANK AND PARTIALLY PRINTED CARDS, SHEETS, FORMS, INSERTS, STRIPS AND LABELS, INDEX TABS, SIGNALS, FOLDERS, AND CARD SHEATHS. REMINGTON RAND INC., Buffalo, N. Y.
Filed December 14, 1939. Serial No. 426,576. PUBLISHED MARCH 12, 1940. Class 37.

377,987. TOILET SOAPS. WALT DISNEY PRODUCTIONS, Hollywood, Calif.
Filed December 15, 1939. Serial No. 426,610. PUBLISHED MARCH 12, 1940. Class 4.

377,988. GLASS FUNNELS FOR LABORATORY USE. KIMBLE GLASS COMPANY, Vineland, N. J.
Filed December 15, 1939. Serial No. 426,622. PUBLISHED MARCH 12, 1940. Class 26.

377,989. GLASS FUNNELS FOR LABORATORY USE. KIMBLE GLASS COMPANY, Vineland, N. J.
Filed December 15, 1939. Serial No. 426,623. PUBLISHED MARCH 12, 1940. Class 26.

377,990. HOSIERY AND SOCKS. ALEX LEE WALLAU INC., New York, N. Y.
Filed December 15, 1939. Serial No. 426,635. PUBLISHED MARCH 12, 1940. Class 39.

377,991. CANNED FRUITS AND CANNED VEGETABLES. MUIRSON LABEL COMPANY, INC., New York, N. Y.
Filed December 16, 1939. Serial No. 426,662. PUBLISHED MARCH 12, 1940. Class 46.

377,992. OIL BURNERS. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill.
Filed December 18, 1939. Serial No. 426,679. PUBLISHED MARCH 12, 1940. Class 34.

377,993. FRESH VEGETABLES—NAMELY, TOMATOES. BRENTWOOD PRODUCE ASSOCIATION, Brentwood, Calif.
Filed December 18, 1939. Serial No. 426,686. PUBLISHED MARCH 12, 1940. Class 46.

377,994. WHISKEY. RATHJEN BROS., INC., San Francisco, Calif.
Filed December 19, 1939. Serial No. 426,735. PUBLISHED MARCH 12, 1940. Class 49.

377,995. WHISKEY. RATHJEN BROS., INC., San Francisco, Calif.
Filed December 19 1939. Serial No. 426,736. PUBLISHED MARCH 12, 1940. Class 49.

377,996. GRANULATED SOAP AND SOAP CHIPS. WEST COAST SOAP COMPANY, Oakland, Calif.
Filed December 21, 1939. Serial No. 426,752. PUBLISHED MARCH 12, 1940. Class 4.

377,997. INFANTS' BIBS. SUNNY ASCH, New York, N. Y.
Filed December 20, 1939. Serial No. 426,755. PUBLISHED MARCH 12, 1940. Class 39.

377,998. PERIODICAL PUBLICATION. CARNELSON HOUSE INC., Chicago, Ill.
Filed December 20, 1939. Serial No. 426,760. PUBLISHED MARCH 5, 1940. Class 38.

377,999. PAINTS AND PAINTERS' MATERIALS—NAMELY, PAINTS, PASTE WOOD FILLER, PREPARED SHELLAC, LINSEED OIL, PAINT BRUSH CLEANER, PUTTY. THE GLIDDEN COMPANY, Cleveland, Ohio, doing business as The A. Wilhelm Company, Reading, Pa.
Filed December 20, 1939. Serial No. 426,771. PUBLISHED MARCH 12, 1940. Class 16.

378,000. NON ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. ALBION BREWING CO., INC., San Francisco, Calif.
Filed December 21, 1939. Serial No. 426,795. PUBLISHED MARCH 12, 1940. Class 45.

378,001. WOMEN'S AND MISSES' SLIPS AND PANTIES. DAVID H. KRAFT, New York, N. Y.
Filed December 21, 1939. Serial No. 426,810. PUBLISHED MARCH 12, 1940. Class 39.

378,002. INNER SOLES FOR SHOES. LYNN INNERSOLE COMPANY, Melrose, Mass.
Filed December 21, 1939. Serial No. 426,824. PUBLISHED MARCH 12, 1940. Class 39.

378,003. PYROXYLIN IMPREGNATED AND/OR COATED FABRIC. WADSWORTH & WOODMAN COMPANY, Winthrop, Maine, and New York, N. Y.
Filed December 23, 1939. Serial No. 426,873. PUBLISHED MARCH 12, 1940. Class 50.

378,004. GAS BURNERS AND COMBINATION GAS AND OIL BURNERS. COPPUS ENGINEERING CORPORATION, Worcester, Mass.
Filed December 26, 1939. Serial No. 426,879. PUBLISHED MARCH 12, 1940. Class 34.

378,005. MEN'S SUITS. WEINBERG CORPORATION, Chicago, Ill.
Filed December 26, 1939. Serial No. 426,919. PUBLISHED MARCH 5, 1940. Class 39.

378,006. MAGAZINES. COMMERCE CLEARING HOUSE, INC., Chicago, Ill.
Filed December 27, 1939. Serial No. 426,923. PUBLISHED MARCH 5, 1940. Class 38.

378,007. STEEL CASTINGS. THE COOPER ALLOY FOUNDRY CO., Elizabeth, N. J.
Filed December 27, 1939. Serial No. 426,924. PUBLISHED MARCH 12, 1940. Class 14.

378,008. SHOES OF LEATHER OR FABRIC, OR OF A COMBINATION THEREOF, OR OF A COMBINATION OF ONE OR BOTH OF THE SAME WITH RUBBER. NEWTON ELKIN SHOE COMPANY, Philadelphia, Pa.
Filed January 3, 1940. Serial No. 427,114. PUBLISHED MARCH 12, 1940. Class 39.

378,009. LADIES' AND MISSES' SLIPS, NIGHTGOWNS, PAJAMAS, PANTIES, DANCE SETS CONSISTING OF BRASSIÈRE AND PANTIES, PETTICOATS, BLOOMERS, AND CHEMISES. TAILORED SILK UNDERGARMENT CO. INC., New York, N. Y.
Filed January 4, 1940. Serial No. 427,146. PUBLISHED MARCH 12, 1940. Class 39.

378,010. DIAMOND AND PLATINUM JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES. HARRY WANDER, New York, N. Y.
Filed January 4, 1940. Serial No. 427,150. PUBLISHED MARCH 12, 1940. Class 28.

378,011. MEN'S NECKTIES AND SCARFS. WEMBLEY, INC., New Orleans, La.
Filed January 4, 1940. Serial No. 427,152. PUBLISHED MARCH 12, 1940. Class 39.

378,012. NON-DESTRUCTIBLE CARTRIDGES USED FOR BLASTING PURPOSES AND PARTS THEREOF INCLUDING CARTRIDGE SHELLS, CHARGING HEADS, DISCHARGE HEADS, AND CHARGE RELEASING DEVICES. CARDOX CORPORATION, Chicago, Ill.
Filed January 5, 1940. Serial No. 427,155. PUBLISHED MARCH 5, 1940. Class 9.

378,013. DRESS SHIELDS. RAND RUBBER COMPANY, Brooklyn, N. Y.
Filed January 8, 1940. Serial No. 427,258. PUBLISHED MARCH 12, 1940. Class 40.

378,014. MEN'S, WOMEN'S, AND CHILDREN'S BATHING SUITS AND MEN'S AND BOYS' BATHING TRUNKS. HYMAN SCHLANGER, doing business as Miami Knitting Mills, New York, N. Y.
Filed January 8, 1940. Serial No. 427,260. PUBLISHED MARCH 12, 1940. Class 39.

378,015. MEN'S NECKTIES AND SCARFS. WEMBLEY, INC., New Orleans, La.
Filed January 8, 1940. Serial No. 427,269. PUBLISHED MARCH 12, 1940. Class 39.

378,016. NEWSPAPER. THE CATHEDRAL FOUNDATION, INC., Baltimore, Md.
Filed January 10, 1940. Serial No. 427,293. PUBLISHED MARCH 5, 1940. Class 38.

378,017. WOMEN'S AND MISSES' COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, SWEATERS, SLIPS, ETC. CAVENDISH TRADING CORP., New York, N. Y.
Filed January 10, 1940. Serial No. 427,294. PUBLISHED MARCH 12, 1940. Class 39.

378,018. GLASS AND COMBINATION GLASS AND METAL GLOBES AND REFLECTORS. HOLOPHANE COMPANY, INC., New York, N. Y.
Filed January 10, 1940. Serial No. 427,303. PUBLISHED MARCH 12, 1940. Class 34.

378,019. GLASS AND COMBINATION GLASS AND METAL GLOBES AND REFLECTORS. HOLOPHANE COMPANY, INC., New York, N. Y.
Filed January 10, 1940. Serial No. 427,304. PUBLISHED MARCH 12, 1940. Class 34.

378,020. STOCK AND POULTRY FEEDS. NUTRENA MILLS, INC., Kansas City, Kans.
Filed January 12, 1940. Serial No. 427,358. PUBLISHED MARCH 12, 1940. Class 46.

378,021. GLASS FOR GLAZING WINDOWS, DOORS, PARTITIONS, AND THE LIKE. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn.
Filed January 12, 1940. Serial No. 427,360. PUBLISHED MARCH 12, 1940. Class 33.

378,022. BASE METAL COOKING HOLLOWWARE. THE EVEREDY COMPANY, Frederick, Md.
Filed January 12, 1940. Serial No. 427,370. PUBLISHED MARCH 12, 1940. Class 13.

378,023. WOMEN'S DRESSES. KLINE'S, INCORPORATED, St. Louis, Mo.
Filed January 15, 1940. Serial No. 427,467. PUBLISHED MARCH 12, 1940. Class 39.

378,024. MAGNETOS AND COMBINED MAGNETO AND BATTERY IGNITION APPARATUS. WICO ELECTRIC COMPANY, West Springfield, Mass.
Filed January 15, 1940. Serial No. 427,486. PUBLISHED MARCH 12, 1940. Class 21.

378,025. WOMEN'S DRESSES, COATS, SUITS, HATS, BATHING SUITS, GLOVES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF, UNDERWEAR, NEGLIGEES, HANDKERCHIEFS, SHOES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF, PLAY SUITS, SWEATERS, OUTER SHORTS, AND OUTER SKIRTS. THE TAILORED WOMAN INC., New York, N. Y.
Filed January 16, 1940. Serial No. 427,521. PUBLISHED MARCH 12, 1940. Class 39.

378,026. SOAP. THE WELLA CORPORATION, New York, N. Y.
Filed January 16, 1940. Serial No. 427,523. PUBLISHED MARCH 12, 1940. Class 4.

378,027. SHOES OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS THEREOF. GALE SHOE MFG. CO,. Boston, Mass.
Filed January 17, 1940. Serial No. 427,534. PUBLISHED MARCH 12, 1940. Class 39.

378,028. FIRE-RESISTANT BUILDING BOARDS, INSULATING AND SOUND-DEADENING BOARDS, ETC. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed January 17, 1940. Serial No. 427,543. PUBLISHED MARCH 12, 1940. Class 12.

378,029. PINS, CLIPS, BROOCHES, BRACELETS, NECKLACES, PENDANTS, LOCKETS, CHARMS, EARRINGS, BUCKLES, FINGER RINGS, ANKLETS, HAIR ORNAMENTS, TIARAS, AND FOBS, ALL OF THE FOREGOING ARTICLES BEING MADE WHOLLY OR IN PART OF OR PLATED WITH PRECIOUS METAL. COHN & ROSENBERGER, INC., New York, N. Y.
Filed January 18, 1940. Serial No. 427,575. PUBLISHED MARCH 12, 1940. Class 28.

378,030. THREAD AND YARN OF ARTIFICIAL ORIGIN. NORTH AMERICAN RAYON CORPORATION, New York, N. Y.
Filed January 18, 1940. Serial No. 427,589. PUBLISHED MARCH 12, 1940. Class 43.

378,031. LUBRICATING OILS AND PETROLEUM WAXES. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed January 18, 1940. Serial No. 427,600. PUBLISHED MARCH 12, 1940. Class 15.

378,032. ASPHALTS. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed January 18, 1940. Serial No. 427,602. PUBLISHED MARCH 12, 1940. Class 12.

378,033. ELECTRIC LIGHTING FIXTURES, PARTICULARLY FLUORESCENT INDUSTRIAL FIXTURES. DAY-BRITE LIGHTING, INC., St. Louis, Mo.
Filed January 19, 1940. Serial No. 427,617. PUBLISHED MARCH 12, 1940. Class 21.

378,034. HOSIERY. BEAR BRAND HOSIERY CO., Kankakee and Chicago, Ill.
Filed January 20, 1940. Serial No. 427,654. PUBLISHED MARCH 12, 1940. Class 39.

378,035. LUBRICATING GREASE FOR USE IN CONNECTION WITH PACKINGS. THE GARLOCK PACKING COMPANY, Palmyra, N. Y.
Filed January 20, 1940. Serial No. 427,659. PUBLISHED MARCH 12, 1940. Class 15.

378,036. SOAP. LEVER BROTHERS COMPANY, Cambridge, Mass.
Filed January 20, 1940. Serial No. 427,673. PUBLISHED MARCH 12, 1940. Class 4.

378,037. WOOLEN AND WORSTED FABRICS IN THE PIECE. BOTANY WORSTED MILLS, Passaic, N. J.
Filed January 23, 1940. Serial No. 427,749. PUBLISHED MARCH 12, 1940. Class 42.

378,038. CREME DE CACAO, CHERRY AND PEACH, LIQUEURS, CREME DE MENTHE, AKVAVIT, BENEFACTORE, ETC. JEROME COMPANY, Chicago, Ill.
Filed January 24, 1940. Serial No. 427,807. PUBLISHED MARCH 12, 1940. Class 49.

378,039. LADIES' AND MISSES' HATS. LUXOR HAT CO., INC., New York, N. Y.
Filed January 24, 1940. Serial No. 427,813. PUBLISHED MARCH 12, 1940. Class 39.

378,040. WOOLEN AND WORSTED PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed January 25, 1940. Serial No. 427,834. PUBLISHED MARCH 12, 1940. Class 42.

378,041. RESILIENT VEHICLE TIRES AND TUBES OF RUBBER OR RUBBER COMPOSITION OR RUBBER AND FABRIC. DELL TIRE CORP., Chicago, Ill.
Filed January 25, 1940. Serial No. 427,835. PUBLISHED MARCH 12, 1940. Class 35.

378,042. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa.
Filed January 25, 1940. Serial No. 427,838. PUBLISHED MARCH 12, 1940. Class 49.

378,043. MISSES', JUNIOR MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, HATS, BLOUSES; SHOES MADE OF LEATHER, RUBBER, AND FABRIC; UNDERWEAR, GLOVES MADE OF LEATHER AND FABRIC, NEGLIGEES, AND HOUSE COATS. BEST & CO. INC., New York, N. Y.
Filed January 26, 1940. Serial No. 427,873. PUBLISHED MARCH 12, 1940. Class 39.

378,044. GAME, COMPRISING GAME BOARD, SPINNERS, AND MOVABLE MEMBERS REPRESENTING PLAY BY PLAY OF A FOOTBALL GAME. FLOYD BOWLINE, doing business as Bowline Games Co., Beloit, Kans.
Filed January 26, 1940. Serial No. 427,877. PUBLISHED MARCH 12, 1940. Class 22.

378,045. PNEUMATIC RUBBER CUSHIONS, INDIVIDUAL OR IN ASSEMBLIES, FOR AUTOMOTIVE, FURNITURE, AND MATTRESS FIELDS, AND THE LIKE. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed January 27, 1940. Serial No. 427,948. PUBLISHED MARCH 12, 1940. Class 32.

378,046. GRIP INSERTS FOR BOWLING BALLS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed January 29, 1940. Serial No. 427,959. PUBLISHED MARCH 12, 1940. Class 22.

378,047. BOWLING BALLS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed January 29, 1940. Serial No. 427,960. PUBLISHED MARCH 12, 1940. Class 22.

378,048. GIN, WHISKEY, BRANDY, RUM, AND ALCOHOLIC CORDIALS. SCHENLEY DISTRIBUTORS, INC., New York, N. Y.
Filed January 29, 1940. Serial No. 427,997. PUBLISHED MARCH 12, 1940. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

378,049. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OSCO MOTORS CORPORATION, Philadelphia, Pa. Filed June 10, 1938. Serial No. 407,323.

CIRCUIT FLO

For Internal Combustion Engine Manifolds and Parts Therefor.
Claims use since Aug. 22, 1935.

378,050. (CLASS 39. CLOTHING.) FISCHER & Co., INC., New York, N. Y. Filed Aug. 31, 1938. Serial No. 410,135.

Fairlee

For Ladies' Silk Pajamas and Silk Underwear—Namely, Slips, Nightgowns, Panties, and Chemises.
Claims use since Aug. 10, 1938.

378,051. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Filed Oct. 17, 1938. Serial No. 411,671.

NEVR-DUL

For Hand Agricultural Implements and Edged Tools—Namely, Hoes.
Claims use since Oct. 10, 1938.

378,052. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) PETER ARZOUYAN, doing business as Westminster Jewelry Mfg. Co., Providence, R. I. Filed Nov. 10, 1938. Serial No. 412,579.

WESTMINSTER

No claim is made to the word "Westminster" apart from the mark.
For Jewelry for Personal Adornment Not Including Watches.
Claims use since Sept. 1, 1938.

378,053. (CLASS 39. CLOTHING.) NEUMODE HOSIERY CO., Kankakee and Chicago, Ill. Filed Nov. 18, 1938. Serial No. 412,915.

NOTASEME

For Hosiery.
Claims use since Oct. 28, 1938.

378,054. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MATCH KING, INC., Chicago, Ill. Filed Mar. 11, 1939. Serial No. 416,964.

FLEETWOOD

For Cameras.
Claims use since Jan. 1, 1939.

378,055. (CLASS 17. TOBACCO PRODUCTS.) RYAN-HAMPTON TOBACCO COMPANY, Louisville, Ky. Filed Mar. 29, 1939. Serial No. 417,626.

Life

For Smoking Tobacco.
Claims use since Mar. 17, 1939.

378,056. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) TOLEDO TIRE CORPORATION, Toledo, Ohio. Filed Apr. 14, 1939. Serial No. 418,273.

MARSHALL

For Pneumatic Tires and Tubes for Vehicle Wheels.
Claims use since Dec. 26, 1938.

378,057. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. L. ROGERS, doing business as Rogers Bread Co., Sapulpa, Okla. Filed May 27, 1939. Serial No. 419,935.



Mrs. Rogers

For Bakery Products—Viz, Bread, Pies, and Cakes.
Claims use since Feb. 27, 1939.

378,058. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 11, 1939. Serial No. 421,455.

HIGH SPEED DELIVERY

For Resilient Vehicle Tires of Rubber or Rubber Composition or Rubber and Fabric.
Claims use since July 15, 1937.

378,059. (CLASS 39. CLOTHING.) ADLER & ADLER, INC., New York, N. Y. Filed July 18, 1939. Serial No. 421,686.

Brookfield Shetland

For Women's Sportswear—Namely, Coats and Suits.
Claims use since Apr. 10, 1939.

378,060. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CHARLES GOLDFUS, doing business as Charles Wine & Import Company, Minneapolis, Minn. Filed Aug. 14, 1939. Serial No. 422,580.

Kings Favourite Liqueur

GLENSIDE DISTILLERY Co LTD

For Blended Scotch Whiskey.
Claims use since Nov. 25, 1936.

378,061. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) KESTENMAN BROS. MFG. CO., Providence, R. I. Filed Aug. 24, 1939. Serial No. 422,935.

RIST-KOMFORT

For Metal Bracelets, Clasps and Buckles in the Nature of Jewelry.
Claims use since January, 1936.

378,062. (CLASS 39. CLOTHING.) CURRICK & LEIKEN CO. INC., New York, N. Y. Filed Aug. 31, 1939. Serial No. 423,162.

AINTREE TWEED

For Men's Sport Jackets, Suits, and Topcoats.
Claims use since Apr. 15, 1939.

378,063. (CLASS 39. CLOTHING.) B. COHEN & CO., INC., New York, N. Y. Filed Oct. 24, 1939. Serial No. 424,835.

Furrie

For Ladies' Negligees, Bathrobes, and Pajamas.
Claims use since Aug. 23, 1937.

378,064. (CLASS 39. CLOTHING.) LEFCORT HOSIERY COMPANY, INC., New York, N. Y. Filed Nov. 30, 1939. Serial No. 426,097.

FAMOUS FOR WEAR

For Women's, Misses', Children's, and Men's Silk Hosiery.
Claims use since Jan. 1, 1936.

378,065. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VERSON ALLSTEEL PRESS COMPANY, Chicago, Ill. Filed Jan. 8, 1940. Serial No. 427,268.

Verson

For Press Metal Machinery Comprising Mechanical and Hydraulic Punch Presses; Press Brakes; Hole Punching and Metal Shearing Machinery; Metal Drawing, Bending, and Shearing Dies; Die Cushions; and Parts Thereof.
Claims use since Jan. 1, 1924.

378,066. (CLASS 39. CLOTHING.) MYRON'S INCORPORATED, Port Arthur, Tex. Filed Jan. 18, 1940. Under the act of March 19, 1920, as amended June 10, 1938. Serial No. 427,566.

Donley

For Fur Coats, Fur Jackets, Fur Capes, Fur Scarfs, Fur Hats, Fur Muffs for Use by Men, Women, Boys, and/or Girls.
Claims use since Oct. 1, 1937.

378,067. (CLASS 39. CLOTHING.) BAKER CLOTHES, INC., Philadelphia, Pa. Filed Feb. 19, 1940. Serial No. 428,675.

Bantry

For Men's Suits and Overcoats.
Claims use since Sept. 1, 1936.

378,068. (CLASS 39. CLOTHING.) GERALDINE R. GEIST, New York, N. Y. Filed Feb. 26, 1940. Serial No. 428,910.

Hosteslack

For House-Coats, Pajamas, Culottes, and Blouses for the Use of Women, Misses, and Girls.
Claims use since Feb. 24, 1939.

378,069. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) ONEIDA LTD., Sherrill and Oneida, N. Y. Filed Mar. 9, 1940. Serial No. 429,412.

GRENOBLE

For Silver-Plated Flatware.
Claims use since June 2, 1937.

378,070. (CLASS 39. CLOTHING.) MAURICE BRENNER, New York, N. Y. Filed Mar. 16, 1940. Serial No. 429,642.

POSY PRINGLE
FASHIONS

For Ladies' and Misses' Dresses, Suits, Capes, Blouses, and Skirts.
Claims use since Mar. 1, 1939.

378,071. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLOW FABRICS, INC., New York, N. Y. Filed Mar. 21, 1940. Serial No. 429,836.

INDUSTRIAL PRINTS OF AMERICA

For Textile Fabrics in the Piece, of Silk, Cotton, and Combinations Thereof.
Claims use since Mar. 6, 1939.

378,072. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALBERT D. PURTLE, Marietta, Ohio. Filed Mar. 27, 1940. Serial No. 430,035.

A. D. Purtle

For Polished Rod Liners and Casing Head Clamps.
Claims use since Aug. 5, 1924.

TRADE-MARK REGISTRATIONS RENEWED

120,973. **BLACKSHIRE.** DRESSES, DRESS-WAISTS, OUTER SUITS, AND COATS. Registered March 19, 1918. MAX GREENBERG & CO. INC. Renewed March 19, 1938, to Max Greenberg & Co., Inc., New York, N. Y., a corporation of New York, successor.

127,066. **THE JEWISH FARMER.** MONTHLY PERIODICAL MAGAZINES. Registered October 21, 1919. THE JEWISH AGRICULTURAL AND INDUSTRIAL AID SOCIETY. Renewed October 21, 1939, to The Jewish Agricultural Society, Inc., New York, N. Y., a corporation of New York, by change of name.

128,825. **PRIME.** MEN'S AND BOYS' OUTER SHIRTS AND PAJAMAS. Registered January 13, 1920. PRIME SHIRT CO., INC. Renewed January 13, 1940, to Morris Stein, New York, N. Y., successor.

129,435. **LA TOSCA.** CANNED TOMATOES, TOMATO PASTE, AND OLIVE-OIL. Registered February 24, 1920. A. & C. BUSCAGLIA CO. Renewed February 24, 1940, to A. & C. Buscaglia, Inc., Buffalo, N. Y., a corporation of New York, assignee.

129,793. **ALMIRA PEARCHS', ETC.** A REMEDY FOR CERTAIN NAMED AILMENTS. Registered March 9, 1920. CHARLES R. MEYER. Renewed March 9, 1940, to The Ohio Savings and Trust Company of New Philadelphia, Ohio, guardian of the property and estate of Charles R. Meyer, doing business as Charles R. Meyer and Company, New Philadelphia, Ohio, assignee.

129,896. **TOGAL.** A MEDICINAL PREPARATION USED IN THE TREATMENT OF RHEUMATISM AND NEURALGIA. Registered March 9, 1920. SVENSKA "INDUX" NEDERLAGET, Stockholm, Sweden. Renewed March 9, 1940, to Togalwerk Gerhard F. Schmidt Aktiengesellschaft, Massagno, near Lugano, Switzerland, a corporation of Switzerland, successor.

130,030. **AMERICAN NAVY.** SMOKING AND CHEWING TOBACCO. Registered April 6, 1920. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 6, 1940.

130,031. **SPECIAL FAVOURS.** SMOKING TOBACCO AND CIGARETTES. Registered April 6, 1920. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 6, 1940.

130,034. **G NAVY.** SMOKING AND CHEWING TOBACCO. Registered April 6, 1920. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 6, 1940.

130,035. **EGYPTIENNE STRAIGHTS.** CIGARETTES, SMOKING AND CHEWING TOBACCO. Registered April 6, 1920. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 6, 1940.

130,062. **RED STAR.** GAS, OIL, AND COAL BURNING STOVES. Registered April 6, 1920. THE DETROIT VAPOR STOVE COMPANY. Renewed April 6, 1940, to Borg-Warner Corporation, Detroit, Mich., a corporation of Illinois, assignee by mesne assignments.

130,131. **DANDY.** PAINT AND VARNISH BRUSHES. Registered April 6, 1920. UNITED BRUSH MANUFACTORIES, New York, N. Y., a corporation of New York. Renewed April 6, 1940.

130,227. **LA TOURAINE.** TEA. Registered April 13, 1920. W. S. QUINBY COMPANY. Renewed April 13, 1940, to LaTouraine Coffee Co., Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

130,243. **IDEAL.** BRUSHES USED AS SASH-TOOLS. Registered April 13, 1920. UNITED BRUSH MANUFACTORIES, New York, N. Y., a corporation of New York. Renewed April 13, 1940.

130,312. **IRIS.** CERTAIN NAMED FOODS. Registered April 20, 1920. HAAS, BARUCH & CO., Los Angeles, Calif., a corporation of California. Renewed April 20, 1940.

130,324. **AVONA.** HANDKERCHIEFS. Registered April 20, 1920. JORDAN MARSH COMPANY, Boston, Mass. Renewed April 20, 1940, to Allied Stores Corporation, Wilmington, Del., and Paterson, N. J., a corporation of Delaware, assignee by mesne assignments.

130,591. **BIOD.** SECTIONAL BUILDINGS READY CUT, ASSEMBLED INTO SECTIONS, AND PORTABLE. Registered April 27, 1920. GUSTAVE WENZELMANN, Galesburg, Ill. Renewed April 27, 1940.

130,615. **RAJAH.** SMOKING AND CHEWING TOBACCO. Registered May 4, 1920. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 4, 1940.

130,629. **TRITON.** ELECTRIC WIRE. Registered May 4, 1920. ATLANTIC INSULATED WIRE & CABLE COMPANY, Jersey City, N. J., and Stamford, Conn. Renewed May 4, 1940, to General Cable Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

130,666. **MAID OF HONOR.** NAINSOOKS, MUSLINS, AND LONGCLOTH AND CAMBRICS. Registered May 4, 1920. CARSON, PIRIE, SCOTT & COMPANY, as assignee of Carson, Pirie, Scott & Co. Renewed May 4, 1940, to Carson Pirie Scott & Company, Chicago, Ill., a corporation of Illinois, assignee.

131,139. **HINKLEY'S HIPOLISH.** STOVE POLISH. Registered May 4, 1920. ALBERT HINKLEY, Newark, N. J. Renewed May 4, 1940.

131,521. **KLIMA'S PRIME.** BLOATER PASTE, ANCHOVY PASTE, SARDINE PASTE, SARDELLEN-BUTTER, ROQUEFORT-CHEESE DRESSING, SALMON PASTE. Registered May 18, 1920. LOUIS KLIMA. Renewed May 18, 1940, to Klima Bros., New York, N. Y., a partnership, assignee.

131,822. **PNEUMERCATOR.** CERTAIN NAMED MEASURING APPLIANCES. Registered May 25, 1920. PNEUMERCATOR COMPANY, New York, N. Y., a corporation of Maine. Renewed May 25, 1940.

131,910. **REPRESENTATION OF A COAT OF ARMS.** WHEAT-FLOUR. Registered May 25, 1920. INTERNATIONAL MILLING COMPANY, New Prague, Minn. Renewed May 25, 1940, to International Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee.

132,001. **ROBIN HOOD.** WHEAT-FLOUR. Registered June 8, 1920. INTERNATIONAL MILLING COMPANY, New Prague, Minn. Renewed June 8, 1940, to International Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee.

132,081. **DEMOCRACY BOND.** WRITING AND PRINTING PAPER. Registered June 15, 1920. AMERICAN WRITING PAPER CO. Renewed June 15, 1940, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware, assignee by mesne assignments.

132,170. **NAME AND PORTRAIT OF ROBIN HOOD.** WHEAT-FLOUR. Registered June 15, 1920. INTERNATIONAL MILLING COMPANY, New Prague, Minn. Renewed June 15, 1940, to International Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee.

132,225. **LACONIA.** COTTON PIECE GOODS. Registered June 15, 1920. PEPPERELL MANUFACTURING COMPANY. Renewed June 15, 1940, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts, assignee.

132,324. **REPRESENTATION OF A BLOW-TORCH, ETC.** A HEAT-INSULATING, SEMI-REFRACTORY, FILLING, AND A STRUCTURAL MATERIAL, IN POWDER, GRANULAR, CEMENT, BRICK, OR BLOCK FORM. Registered June 22, 1920. CELITE PRODUCTS COMPANY, Los Angeles, Calif. Renewed June 22, 1940, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

132,325. **C-22.** A HEAT-INSULATING, SEMI-REFRACTORY, AND A STRUCTURAL MATERIAL, IN BRICK OR BLOCK FORM. Registered June 22, 1920. CELITE PRODUCTS COMPANY, Los Angeles, Calif., and New York, N. Y. Renewed June 22, 1940, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

132,326. **C-3.** A HEAT-INSULATING, SEMI-REFRACTORY, FILLING, AND A STRUCTURAL MATERIAL, IN GRANULAR FORM. Registered June 22, 1920. CELITE PRODUCTS COMPANY, Los Angeles, Calif., and New York, N. Y. Renewed June 22, 1940, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

132,741. **FLEXYDE.** COMPOSITION RUBBER MATERIAL IN SHEET FORM. Registered June 29, 1920. THE MARATHON TIRE & RUBBER CO., Cuyahoga Falls, Ohio. Renewed June 29, 1940, to The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio, assignee by mesne assignments.

132,751. **VELVIA.** BISCUIT. Registered June 29, 1920. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed June 29, 1940, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

132,986. **MIAMI.** WHEAT-FLOUR. Registered July 6, 1920. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind., a corporation of Indiana. Renewed July 6, 1940.

133,263. **FLOGLAZE.** CERTAIN NAMED PAINTS AND VARNISHES, PAINTERS' MATERIALS AND A FLOOR AND WALL FINISHING PREPARATION. Registered July 20, 1920. THE IMPERIAL VARNISH AND COLOR COMPANY, LIMITED, Toronto, Ontario, Canada, a corporation of the Province of Ontario, Canada. Renewed July 20, 1940.

133,555. **SILVER STAR.** SCISSORS AND SHEARS. Registered August 3, 1920. THE ACME SHEAR COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed August 3, 1940.

133,597. **BUDA.** GASOLENE-ENGINES, LIFTING-JACKS, TRACK-DRILLS, BONDING-DRILLS, TOOL-GRINDERS, RAIL-BENDERS, AND SWITCH-STANDS. Registered August 3, 1920. THE BUDA COMPANY, Harvey, Ill., a corporation of Illinois. Renewed August 3, 1940.

134,069. **REPRESENTATION OF A MULE.** STOCK FEED. Registered August 10, 1920. RALSTON PURINA COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed August 10, 1940.

134,089. **WHITE LILY.** GASOLENE. Registered August 10, 1920. SINCLAIR REFINING COMPANY, Chicago, Ill. Renewed August 10, 1940, to Sinclair Refining Company, New York, N. Y., a corporation of Maine.

134,227. **AUTO-USE.** WHEAT-FLOUR AND SELF-RISING WHEAT-FLOUR. Registered August 24, 1920. CITY MILLS COMPANY, Columbus, Ga., a corporation of Georgia. Renewed August 24, 1940.

134,228. **FLORA DORA.** WHEAT-FLOUR AND SELF-RISING WHEAT-FLOUR. Registered August 24, 1920. CITY MILLS COMPANY, Columbus, Ga., a corporation of Georgia. Renewed August 24, 1940.

134,252. **COOKET.** A COOKING COMPOUND COMPRISING OILS AND HYDROGENATED OILS. Registered August 24, 1920. LEVER BROTHERS COMPANY, Cambridge, Mass., a corporation of Maine. Renewed August 24, 1940.

134,288. **THOMPSON'S.** CERTAIN NAMED FOODS. Registered August 24, 1920. JOHN R. THOMPSON CO., Chicago, Ill., a corporation of Illinois. Renewed August 24, 1940.

134,339. **NUGGETS.** MONTHLY PUBLICATION. Registered August 31, 1920. THE BARNES-ROSS COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed August 31, 1940.

134,375. **MELLO-FREEZE.** A SOLUBLE AND POWDERED STABILIZING AGENT TO BE EMPLOYED IN THE MANUFACTURE OF ICE-CREAM. Registered August 31, 1920. B. HELLER AND COMPANY. Renewed August 31, 1940, to B. Heller and Company, Chicago, Ill., a corporation of Illinois, assignee.

134,445. **ROMA.** COFFEE. Registered August 31, 1920. JOHN R. THOMPSON CO., Chicago, Ill., a corporation of Illinois. Renewed August 31, 1940.

134,494. **IOFORM.** PHARMACEUTICAL PREPARATIONS FOR CERTAIN NAMED DISEASES AND AILMENTS. Registered September 7, 1920. THE DRUG PRODUCTS CO. INC., New York, N. Y., a corporation of New York. Renewed September 7, 1940.

134,516. **TIME THE TEST.** CERTAIN NAMED FANCY GOODS, FURNISHINGS, AND NOTIONS. Registered September 7, 1920. MORRIS & YEOMANS, LIMITED, Redditch, England, an organized company of Great Britain. Renewed September 7, 1940.

134,665. **MAPLE KNIT.** HOSIERY. Registered September 14, 1920. W. T. GRANT COMPANY, New York, N. Y., a corporation of Massachusetts. Renewed September 14, 1940.

134,667. **MAY BELLE.** CHILDREN'S DRESSES. Registered September 14, 1920. WILLARD E. GRAVES. Renewed September 14, 1940, to Leo J. Goldberger, New York, N. Y., assignee.

134,694. **DRESSUP.** MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. Registered September 14, 1920. JOHNSON CITY MILLS, Johnson City, Tenn., a corporation of Tennessee. Renewed September 14, 1940.

134,696. **JUDY'S PRIDE.** TOBACCO-SEED. Registered September 14, 1920. WILL S. JUDY, Lexington, Ky. Renewed September 14, 1940, to W. S. Judy Seed Co. Inc., Pine Grove, Ky., a corporation of Kentucky, assignee.

134,832. **DR. TRUE'S ELIXIR.** VERMIFUGE AND REMEDIES FOR INDIGESTION, BILIOUSNESS, HEADACHE, COLDS, AND DISEASES OF THE STOMACH AND LIVER. Registered September 14, 1920. DR. J. F. TRUE & CO. INC., Auburn, Maine, a corporation of Maine. Renewed September 14, 1940.

134,976. **ILG.** ELECTRICALLY-OPERATED FANS AND BLOWERS. Registered September 21, 1920. ILG ELECTRIC VENTILATING COMPANY, New Orleans, La., and Chicago, Ill. Renewed September 21, 1940, to Ilg Electric Ventilating Company, Chicago, Ill., a corporation of Delaware, assignee.

134,977. **ILGAIR.** ELECTRICALLY-OPERATED HEATING AND VENTILATING UNITS. Registered September 21, 1920. ILG ELECTRIC VENTILATING COMPANY, New Orleans, La., and Chicago, Ill. Renewed September 21, 1940, to Ilg Electric Ventilating Company, Chicago, Ill., a corporation of Delaware, assignee.

135,056. **BIG COLOSSUS.** WORK-SHIRTS AND OVERALLS. Registered September 21, 1920. ABRAHAM RIFKIN. Renewed September 21, 1940, to A. Rifkin & Co., Wilkes-Barre, Pa., a partnership, successor.

135,206. **JUB.** UMBRELLAS. Registered September 28, 1920. JOHN U. BURT INC., New York, N. Y., a corporation of New York. Renewed September 28, 1940.

135,223. **YORKER.** MEN'S AND WOMEN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER AND FABRIC. Registered September 28, 1920. DIAMOND SHOE CO., New York, N. Y., a corporation of New York. Renewed September 28, 1940.

LABELS

REGISTERED MAY 21, 1940

54,767.—*Title:* ADMIRACION DE LUXE METHOD SCALP AND HAIR LOTION NO. 1 FOR THE CARE OF DRY SCALP AND HAIR. For a Lotion for the Care of Dry Scalp and Hair. ADMIRACION LABORATORIES, Harrison, N. J. Published January 19, 1940.

54,768.—*Title:* BUDWEISER CONCENTRATED INSECT-SPRAY. For a Concentrated Insect Spray. BERNARD BUDWEISER, Chicago, Ill. Published January 2, 1940.

54,769.—*Title:* LUCKY ALE. For Ale. GENERAL BREWING CORPORATION, San Francisco, Calif. Published October 27, 1939.

54,770.—*Title:* JENKINS' MOS-QUITO SCAT. For a Concentrated Aromatic Mosquito Repellant. H. C. JENKINS AND CO., Las Vegas, Nev. Published September 1, 1939.

54,771.—*Title:* KROGER'S COUNTRY CLUB QUALITY WHEAT FLAKES. For Wheat Flakes. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published April 10, 1940.

54,772.—*Title:* DAWN FRESH. For Tender Sweet Peas. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Published June 1, 1939.

54,773.—*Title:* METEOR. For Canned Dog Food. HERBERT A. NIEMAN & Co., Thiensville, Wis. Published February 3, 1940.

54,774.—*Title:* O'BRIEN'S CANDIES NUTTI BRITTLE. For Candies. O'BRIEN'S, INC., San Jose, Calif. Published October 1, 1939.

54,775.—*Title:* AMERICAN CLUB. For Straight Bourbon Whiskey. PENNSYLVANIA DISTILLING CO., INC., Philadelphia, Pa. Published April 9, 1940.

54,776.—*Title:* RUPPERT ALE (OLD STYLE). For Ale. JACOB RUPPERT, New York, N. Y. Published April 15, 1940.

54,777.—*Title:* SANITIZED. For Ticking. SANITIZED BEDDING ASSOCIATES, INC., New York, N. Y. Published February 28, 1940.

54,778.—*Title:* BETTY AND DICK TOUR THE U. S. A. For Doll Dress Outfits. STANDARD TOYKRAFT PRODUCTS, INC., Brooklyn, N. Y. Published April 16, 1940.

54,779.—*Title:* DARCY'S PIES. For Pineapple Pies. GEORGE H. SWEETNAM, INC., Cambridge, Mass. Published April 12, 1940.

54,780.—*Title:* MOKAY COFFEE. For Coffee. THOMAS COFFEE COMPANY, Hillcrest, York, Pa. Published March 25, 1940.

54,781.—*Title:* PENNANT. For Waffle Syrup. UNION STARCH & REFINING COMPANY, Columbus, Ind. Published December 20, 1939.

54,782.—*Title:* WARNER-MARTIN CLEANING POLISH. For a Cleaning Polish Used as a Permanent Coating for Car Finishes. WARNER-MARTIN CORPORATION, Boston, Mass. Published April 5, 1940.

LABELS RENEWED

16,589. **"THE WALDORF TOWELS".** TOWELS. Registered October 1, 1912. SCOTT PAPER COMPANY, Philadelphia, Pa. Renewed August 1, 1940, to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania, successor.

PRINTS

REGISTERED MAY 21, 1940

17,970.—*Title:* FORMULA OF DIAMOND LINIMENT. FORMULA OF DIAMOND SALVE. For a Liniment and a Salve. CALIFORNIA REPTILE FARM, Berkeley, Calif. Published February 19, 1940.

17,971.—*Title:* JUNIOR FASHION ADVERTISER. For Artwork, Mats and Cuts. CRAMER-TOBIAS-MEYER, INC., New York, N. Y. Published October 30, 1939.

17,972.—*Title:* SHUFFLE MATES. For Women's and Misses' Slacks, Skirts, Shirts, Jackets, Shorts, and Pinafores. LOOMTOGS INC., New York, N. Y. Published April 11, 1940.

17,973.—*Title:* HOW'S YOUR TUMMY. For a Medicinal Product for Aiding in the Relief of Stomach Distress. PEPS CORPORATION, St. Louis, Mo. Published March 8, 1940.

17,974.—*Title:* AN ALL AMERICAN HIGH IN HANDKERCHIEF VALUE. For Handkerchiefs. SOUTHERN HANDKERCHIEF MFG CO., Greenville, S. C. Published April 12, 1940.

17,975.—*Title:* GOOD—RAIN OR SHINE. For Cake. TASTY BAKING COMPANY, Philadelphia, Pa. Published March 10, 1940.

17,976.—*Title:* THE ONLY ELECTRIC RAZOR. For Electric Razors. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Published April 17, 1940.

REISSUES

MAY 21, 1940

21,452
DESIGN FOR A LAMP STANDARD

William L. Allison, Phoenix, Ariz.

Original No. 118,358, dated January 2, 1940, Serial No. 84,336, April 17, 1939, for 3½ years. Application for reissue February 7, 1940, Serial No. 90,139. Term of patent 14 years



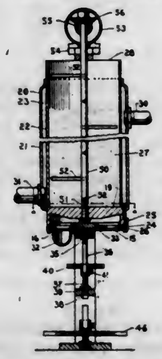
The ornamental design for a lamp standard, substantially as shown.

21,453
APPARATUS FOR DISPENSING LOOSE SALT IN MEASURED QUANTITIES INTO CANS OR THE LIKE

Harvey Lee Bird, Ann Arbor, Mich.

Original No. 1,993,587, dated March 5, 1935, Serial No. 599,804, March 18, 1932. Application for reissue July 11, 1935, Serial No. 30,891

19 Claims. (Cl. 226—99)



11. In a dispensing machine of the character described which is adapted to hold a body of finely divided material that tends to cease to be free flowing in the presence of moisture and automatically measure and dispense predetermined size portions of same as required, the combination which includes a hopper having sides and bottom, a heating means incorporated in the sides of said hopper, a rotatable measuring disc having a plurality of measuring pockets, incorporated in the bottom of said hopper and in communication with the interior thereof, an agitator in said hopper adapted to agitate substantially the entire contents thereof, and means adapted to automatically rotate the measuring disc.

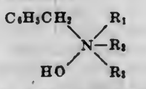
21,454
FIBROIN SPINNING SOLUTIONS

Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original No. 2,145,855, dated February 7, 1939, Serial No. 59,912, January 20, 1936. Renewed April 19, 1938. Application for reissue March 16, 1939, Serial No. 262,234

16 Claims. (Cl. 106—38)

1. A spinning solution for the manufacture of artificial products comprising a protein selected from the group consisting of silk fibroin, wool, gelatin, alginic acid and casein finely dispersed in a quaternary benzyl substituted ammonium base having the structure



in which R_1, R_2 and R_3 represent a radical selected from the group consisting of alkyl radicals, aryl radicals, aralkyl radicals, substituted alkyl radicals, substituted aryl radicals and substituted aralkyl radicals, said solution having the property of substantially retaining its viscosity on standing for relatively long periods of time at a temperature not exceeding ordinary room temperatures.

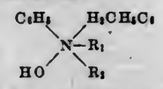
21,455
FIBROIN SPINNING SOLUTIONS

Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original No. 2,145,856, dated February 7, 1939, Serial No. 203,443, April 21, 1938, which is a division of application Serial No. 59,912, January 20, 1936. Application for reissue March 16, 1939, Serial No. 262,235

16 Claims. (Cl. 106—38)

1. A spinning solution for the manufacture of artificial products comprising a protein selected from the group consisting of silk fibroin, wool, gelatin, alginic acid and casein finely dispersed in a quaternary phenyl substituted ammonium base having the structure



in which R_1 and R_2 represent a radical selected from the group consisting of alkyl radicals, aryl radicals, aralkyl radicals, substituted alkyl radicals, substituted aryl radicals and substituted aralkyl radicals, said solution having the property of substantially retaining its viscosity on standing for relatively long periods of time at a temperature not exceeding ordinary room temperatures.

21,456

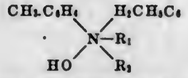
FIBROIN SPINNING SOLUTIONS

Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original No. 2,145,857, dated February 7, 1939, Serial No. 203,444, April 21, 1938, which is a division of application Serial No. 59,912, January 20, 1936. Application for reissue March 16, 1939, Serial No. 262,236

16 Claims. (Cl. 106—38)

1. A spinning solution for the manufacture of artificial products comprising a protein selected from the group consisting of silk fibroin, wool, gelatin, alginic acid and casein finely dispersed in a quaternary tolyl substituted ammonium base having the structure



in which R_1, and R_2 represent a radical selected from the group consisting of alkyl radicals, aryl radicals, aralkyl radicals, substituted alkyl radicals, substituted aryl radicals and substituted aralkyl radicals, said solution having the property of substantially retaining its viscosity on standing for relatively long periods of time at a temperature not exceeding ordinary room temperatures.

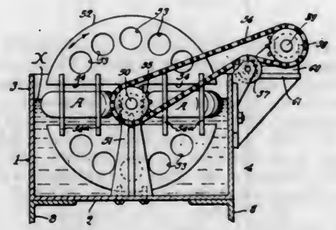
21,457

DOUGHNUT MACHINE

Charles E. Carpenter, Badger, Minn., assignor to Challenger Do-Nut Machine Corporation, a corporation of Illinois

Original No. 2,092,499, dated September 7, 1937, Serial No. 95,823, August 13, 1936. Application for reissue September 2, 1939, Serial No. 293,306

36 Claims. (Cl. 53—7)



1. In a doughnut cooking device, a container, a cooking liquid in said container, and means for heating it, said container including a plurality of passages extending substantially from end to end thereof, and pumping means at each end of said container, including vertically axised rotors and vanes projecting therefrom, and means for rotating said rotors, and for thereby causing the cooking liquid to flow along said passages and to carry with it doughnuts undergoing cooking, means for positioning raw doughnuts in said cooking liquid at one point in the path of movement of the liquid, and means for removing the cooked doughnuts from the liquid at another point.

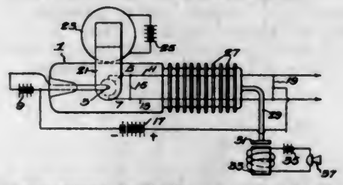
21,458

MAGNETRON MODULATOR

Ernest G. Linder, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Original No. 2,110,449, dated March 8, 1938, Serial No. 61,679, January 31, 1936. Application for reissue November 29, 1938, Serial No. 242,951

9 Claims. (Cl. 250—27.5)



9. A magnetron including a cathode electrode and spaced from said electrode a pair of anode electrodes, means for creating a magnetic field whose lines of force surround and are substantially parallel to said cathode and means for varying the orientation of said electrodes by relative motion of said electrodes.

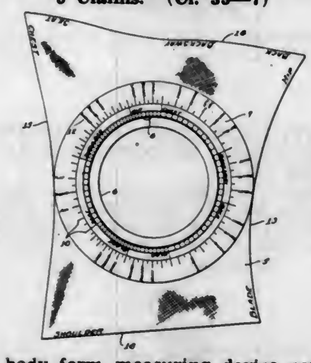
21,459

FORM MEASURING DEVICE

Emil E. Koe, Berwyn, Ill.

Original No. 1,976,174, dated October 9, 1934, Serial No. 664,428, April 4, 1933. Application for reissue July 9, 1937, Serial No. 152,766

3 Claims. (Cl. 33—7)



1. A body form measuring device comprising a sheet having a double ply portion and one or more irregularly curved body engaging edges, said plies having registering openings therethrough, a bubble glass disposed in the openings, the edge portions of the said plies, engaging and retaining the said bubble glass, and a scale in spaced relation to said bubble glass whereby the formation of the body portion engaged by the body engaging edge of the sheet can be measured.

21,460

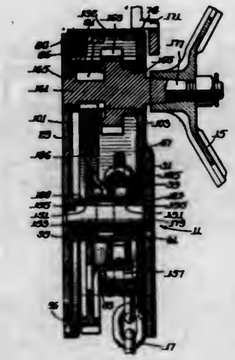
BRAKE MECHANISM

Arthur F. O'Connor, Chicago, Ill., assignor, by mesne assignments, to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois

Original No. 2,047,168, dated July 7, 1936, Serial No. 2,070, January 16, 1935. Application for reissue February 8, 1937, Serial No. 124,693

18 Claims. (Cl. 254—149)

14. In a brake operating mechanism, the combination, with winding mechanism including a winding drum and means to drive the same, of a mounting for said mechanism comprising frame means providing rigidly interconnected, spaced-apart portions by and between which said winding drum is carried, said frame means having an opening through which said winding drum may be inspected, and cover means carried by said frame in position to cover said opening and form



an enclosure for said mechanism, said frame means and said cover being formed with cooperating lugs adapted to interengage and hold the cover on the frame, and fastening means to secure said cover on the frame at a place remote from said interengaging lugs whereby the cover may be removed from mounted position on the frame by merely disconnecting the fastening means and disengaging said lugs.

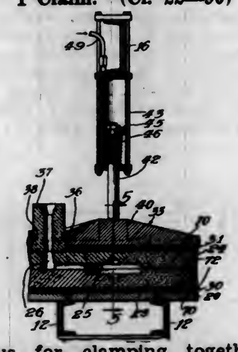
21,461

APPARATUS FOR MOLDING

Michael E. Toman, Berwyn, Ill., assignor to Castings Patent Corporation, a corporation of Illinois

Original No. 2,088,123, dated July 27, 1937, Serial No. 23,677, May 27, 1935. Application for reissue April 27, 1938, Serial No. 204,695

1 Claim. (Cl. 22—90)



Apparatus for clamping together complementary mold members for the pouring operation, comprising pressure creating means, an open-topped, rigid metal receptacle having the bottom thereof engageable by said pressure creating means, a thin, flexible metal sheet closing the top of said receptacle, engageable directly with a surface of a mold member and deformable to conform substantially to the irregularities in such mold surface, and fluid filling such closed receptacle to afford internal support for said thin, flexible metal sheet, and to press it against the irregular mold surface with substantially uniform pressure over the entire area of said sheet in transmitting to the mold the pressure exerted on said pressure member by said pressure creating means.

PATENTS

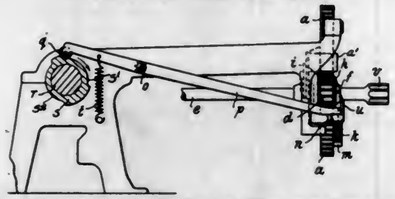
GRANTED MAY 21, 1940

2,201,132

TYPOGRAPHICAL SLUG CASTING MACHINE

Christian Augustus Albrecht, Berlin, and Hermann Brandenburg, Berlin-Tempelhof, Germany, assignors to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York

Application October 22, 1938, Serial No. 236,463
In Germany March 7, 1938
10 Claims. (Cl. 199—47)



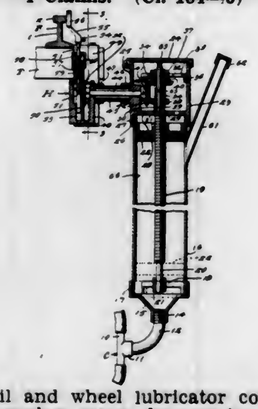
1. A typographical slug casting machine comprising a mould carried by an intermittently actuated mould disc and means controlled from a periodically actuated part of the machine for positively locating and locking said disc directly in operative positions.

2,201,133

RAIL AND WHEEL LUBRICATING MECHANISM

Raymond A. Birmingham, Buena Vista, Va., assignor of one-third to Theodore B. Shackford, and one-third to Hugh H. Chittum, both of Lexington, Va.

Application May 29, 1939, Serial No. 276,474
4 Claims. (Cl. 184—3)



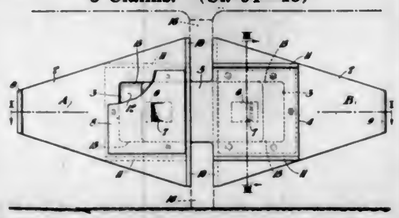
1. A rail and wheel lubricator comprising a greasing member, means for securing said member along one side of a rail, a supply casing in communication with the greasing member, a threaded shank within the casing, means for supporting said shank for rotary movement and for limited endwise movement, means for normally maintaining the shank at the limit of its movement in one direction, a pressure head within the casing and threaded upon the shank, said shank having a portion upon which the pressure head freely engages with said head is at the limit of its pressure movement, means intermittently operated by the wheels of a passing train for rotating the threaded shank to cause the head to impose pressure upon the lubricant supply within the casing, retrograde rotation of the shank retracting the head, endwise movement of the shank in one direction bringing the shank into threaded engagement with the head when said head is free on the shank.

2,201,134

LOAD TRANSFER DEVICE

Alan E. Brickman, Rostravor Township, Westmoreland County, Pa., and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Continuation of application Serial No. 161,684, August 30, 1937. This application September 28, 1938, Serial No. 232,200
5 Claims. (Cl. 94—18)



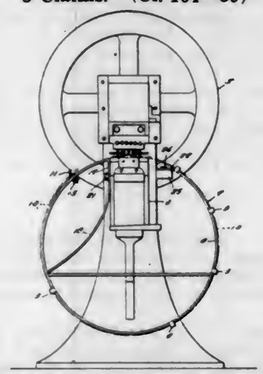
1. In a road joint forming mechanism, the combination of complementary load transmission anchoring units comprising vertically arranged plate members, the plate members on each side forming a pocket, and a tongue carried by the opposed plate and occupying said pocket, said units forming the joint including means for initially maintaining said units in position durng the pouring of the concrete and means on said units forming vertical and horizontal bearing surfaces so that when said joint is embedded in concrete said bearing surfaces will transmit applied loads so that said loads are restricted by the compressive strength of the concrete.

2,201,135

BARREL HOOP MEASURING MEANS

Frank E. Evans, Sr., Gretna, La.

Application September 22, 1939, Serial No. 296,162
5 Claims. (Cl. 164—59)



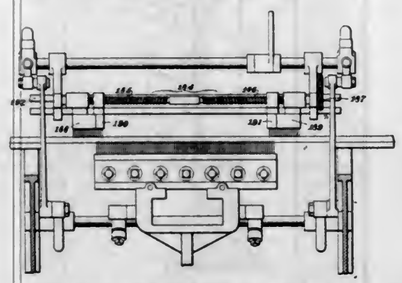
1. A barrel hoop measuring attachment for cutting and punching machines comprising an annulus split and having its end portions attached to the machine and an adjustable barrel hoop engaging member on the band.

2,201,136

FULL FASHIONED KNITTING MACHINE

Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania

Application July 16, 1937, Serial No. 154,104
4 Claims. (Cl. 66—89)



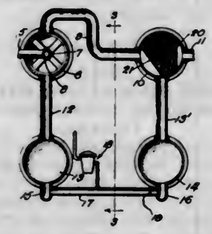
1. Narrowing mechanism for flat knitting machines comprising at each side of the fabric an inner and an outer comb of fashioning points, and means for locking together the combs at each side whereby they will have conjoint motion, including a lever having a pivotal connection with one of the combs and having a portion for engaging with a part of the other comb to prevent separation of the combs, said lever being pivotable to a position which will permit separation of the combs.

2,201,137

SEPARATOR

Frank Young Hutchison, Houston, Tex., assignor to Houston Pipe Line Company, Houston, Tex., a corporation of Texas

Application July 6, 1938, Serial No. 217,771
1 Claim. (Cl. 183—2.7)



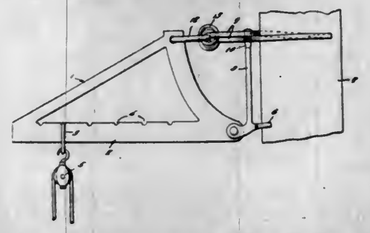
A gas separator comprising a series of separator drums, two of the drums being upper drums disposed horizontally, the first of said drums containing a central distributor pipe slotted along the bottom and at its center containing a gas inlet pipe, a gas conduit leading from the upper side of the first drum into the side of the second upper horizontal drum and a gas outlet pipe leading from the opposite side of the second drum, an outlet at the bottom of the first drum, a gas scrubber interposed in the path of gas flow in the second drum, the gas scrubber having an inclined side to direct fluid downwardly to an outlet at the bottom of the second drum, there being expansion space in the second drum between the gas inlet and the scrubber, and disposed below each of the upper horizontal drums respectively, gas expansion drums, each drum being connected to the outlet at the bottom of its respective upper drum, the bottoms of the lower drums being connected by a conduit, a liquid outlet opening from the condult, there being a choke interposed in the said conduit to prevent circulation of gas around the system.

2,201,138

HOIST SUPPORT

William Allen Hyde, Andrews, N. C.

Application May 25, 1939, Serial No. 275,729
4 Claims. (Cl. 248—221)



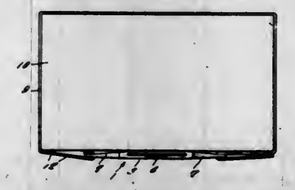
4. A hoist support comprising a substantially triangular bracket including a horizontal lower bar having a series of longitudinally spaced notches in its upper edge, an adjustable ring slidable on said bar and engageable selectively in the notches for releasably retaining said ring in adjusted position, said ring constituting means for suspending a hoisting apparatus from the bracket, and means for detachably mounting the bracket on a pole, the last named means including a toothed heel pivotally mounted on the lower, rear portion of the bracket and engageable with the pole, a pair of crossed, coacting levers pivotally supported on the heel and adapted to grip the pole therebetween, and means operatively connecting said levers to the upper portion of the bracket for actuation thereby to closed position.

2,201,139

PRICE MARKER

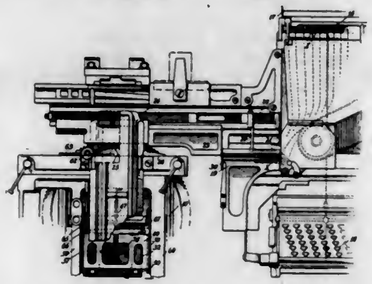
Ernest N. Ivey, Bronte, Tex.

Application July 11, 1939, Serial No. 283,895
1 Claim. (Cl. 40—21)



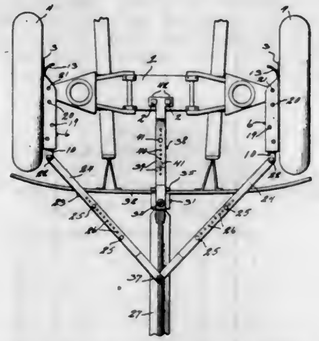
A price marker comprising a member having an opening therein extending from the top edge to a point spaced above the lower edge and said opening having its side walls spaced from the ends of the member, said opening adapted to receive a price card which is inserted through the upper end of the opening, said member being formed of transparent material and said member having outwardly tapering end parts each provided with a T-shaped slot, a strap adapted to be placed around an article, the price of which is to be marked, said strap having spaced pairs of notches in the side edges of its end portions for engaging the T-shaped slots for adjustably connecting the ends of the strap with the ends of said member.

2,201,140
TYPOGRAPHICAL COMPOSING AND CASTING MACHINE
George P. Kingsbury, Hollis, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application April 1, 1939, Serial No. 265,564
20 Claims. (Cl. 199—68)



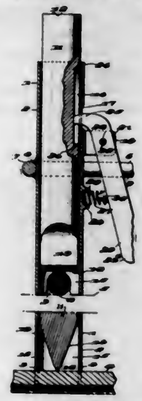
1. In or for a typographical machine, a line justifying spacer comprising two separate sections, one adapted to be circulated through the machine, and the other unadapted for circulation through the machine but adapted to be stored at the justifying station for cooperation with the first mentioned section.

2,201,141
VEHICLE AND TRAILER DRAFT DEVICE
Carl C. Kitterman, Albia, Iowa
Application November 10, 1939, Serial No. 303,889
6 Claims. (Cl. 280—33.55)



1. A draft connection for attachment to the front end of a vehicle having front steering wheels and brake drum plates associated therewith, comprising a pull bar, means pivotally attached to one end of said pull bar for coupling the said end to a fixed part of the vehicle substantially midway between said wheels, a pair of steering bars each pivotally attached to said pull bar in advance of said pivotal connection, said steering bars extending rearwardly and laterally in diverging relation, and means for pivotally coupling the rear end of each steering bar with a wheel brake drum plate, comprising an elongated apertured bar member designed to position against the inner side of the drum plate and to receive in an aperture a bolt of the drum plate, each of said last bars having a swivel connection at one end to which the adjacent end of the steering bar is connected.

2,201,142
CUTTING TOOL
Rudyard K. Mitchell, Leuders, Tex., assignor of fifty per cent to Louis F. Green, Albany, Tex.
Application March 27, 1939, Serial No. 264,457
7 Claims. (Cl. 164—47)



1. In a cable severing implement, in combination, a tubular housing having a handle attached thereto and extending horizontally therefrom, an orifice in said housing intermediate the ends thereof, aligned inverted U-shaped apertures at one end of said housing for the accommodation of a stranded wire cable, cutting means positioned in and movable longitudinally with respect to said housing, a longitudinally extending recess in said cutting means, retaining means pivotally secured to said housing having a portion thereof extending through said orifice and positioned within said recess for preventing axial movement of said cutting means, said cutting means, adjacent said apertured end of said housing, having inclined surfaces converging toward the associated end of said cutting means to form a cutting edge adapted to be positioned in intimate contact with said cable and providing pockets for the reception of severed portions of said cable to arrest their movement outwardly of said housing.

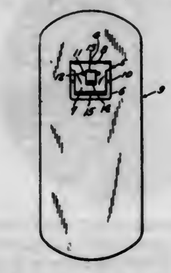
2,201,143
PROCESS FOR PRODUCING WHITE CEMENT
Otto Schwachheim, Leimen, near Heidelberg, Germany
No Drawing. Application June 21, 1938, Serial No. 215,063. In Germany March 25, 1936
3 Claims. (Cl. 106—25)

1. Process of producing white Portland cement by adding substances giving off free chlorine to the raw material, consisting in mixing chloride of lime to the raw material, heating the mixture in a reducing atmosphere until sintering occurs and cooling it while excluding air.

2,201,144
CLIP FOR SPECTACLE CASES
Philip C. Scott, Kempton, Ill.
Application December 2, 1939, Serial No. 307,321
1 Claim. (Cl. 24—3)

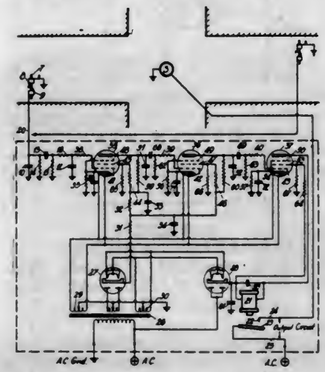
A clasp of the class described comprising a substantially U-shaped member formed of flat material to provide flat limbs of considerable width, one limb having a pair of holes therein intermediate its ends, a U-shaped member having its limbs passing through said holes with the ends

of its limbs fastened in the other limb of the first U-shaped member, a cam having an eccentrically arranged hole therein through which passes the bight of the second U-shaped member, a handle on the cam, said cam when in a certain



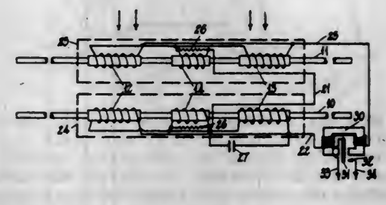
position engaging the limb of the first member which has the hole therein for pressing said limb toward the other limb of the first member and the bight of the first member having a chain receiving hole therein.

2,201,145
TRAFFIC DETECTOR
John L. Barker, Pleasantville, N. Y., assignor to Automatic Signal Corporation, New York, N. Y., a corporation of Delaware
Application July 3, 1936, Serial No. 88,754
8 Claims. (Cl. 177—337)



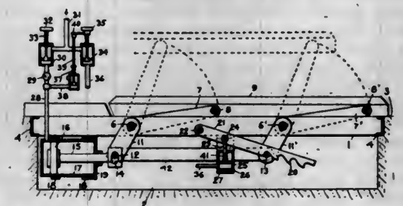
4. In a traffic detector adapted to be located adjacent to a path of traffic and for detecting the passage of traffic in such path the combination of means providing a magnetic field, a coil located with respect to said field so as to generate a wave of electromotive force upon the passage of any unit of traffic containing magnetic material, said wave having a frequency and an electromotive force characteristic both substantially proportional to the speed of such traffic unit within the normal range of traffic speed, an electrical network and amplifier unit adapted to pass such wave and amplify it to provide output impulses suitable for signalling purposes, said network and amplifier unit including means for absorbing rapidly increasing portions of the electromotive force of said wave in proportion to the frequency characteristic of said wave within said normal range for rendering said output impulses substantially constant in electromotive force and substantially inversely proportional in time length to said wave frequency.

2,201,146
TRAFFIC DETECTOR
John L. Barker, Norwalk, Conn., assignor to Automatic Signal Corporation, New York, N. Y., a corporation of Delaware
Application August 14, 1937, Serial No. 159,059
24 Claims. (Cl. 171—209)



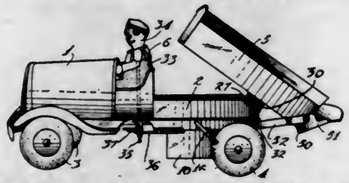
20. In a traffic detector of the magnetic type adapted to be located adjacent to a path of traffic for directionally detecting the passage of a magnetized unit of traffic in such path, the combination of two coils spaced sequentially along said path so as to have electromotive force generated in each coil upon the passage of such traffic unit, conducting means interconnecting said coils in series opposition and including a conductor from each coil for external connection, said coils being so closely spaced that the electromotive force generated in one coil as the traffic unit passes said one coil and approaches the second coil will add to the electromotive force generated in said second coil as traffic so approaches the second coil so as to provide at the external connection an increased impulse of electromotive force distinctive of the direction of passage of such traffic unit.

2,201,147
PNEUMATIC AUTOMOBILE LIFT
Woldemar A. Bary, New York, and Alexis Jackson, Astoria, N. Y., assignors to Vadim S. Makaroff, New York, N. Y.
Application November 24, 1937, Serial No. 176,208
6 Claims. (Cl. 254—91)



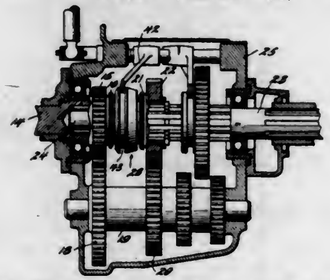
6. An automobile lift comprising a frame, front and rear arms rotatively supported on the sides of the frame, means on the free ends of the arms to support an automobile, a fluid motor, a fluid valve for admitting compressed fluid into the motor, means to rotate the arms by the motor for raising the automobile, means to lock the arms in the raised position, a fluid cylinder, a piston movably fitted in the cylinder operatively connected with the locking means, a valve adapted to admit compressed fluid into the cylinder, means to prevent the reverse flow of fluid through the motor valve, and means to release the fluid from the motor by admitting the fluid into the cylinder valve for admitting compressed fluid into the cylinder.

2,201,148
TOY VEHICLE
Samuel I. Berger, Newark, N. J.
Application May 27, 1938, Serial No. 210,299
9 Claims. (Cl. 46—214)



1. In a toy, a chassis, a plate pivotally secured thereto, an axle journalled in said plate, a pinion carried by said axle, gear means carried by said chassis and adapted to engage said pinion to actuate the same, and complementary flanges carried by said gear means and plate to tilt the latter to disengage the gear means and pinion.

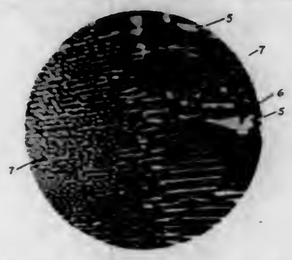
2,201,149
CLUTCH MECHANISM
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 16, 1937, Serial No. 148,595
7 Claims. (Cl. 192—53)



1. In apparatus of the class described, the combination with coaxial rotating elements, of means including a member displaceable axially for effecting positive coupling between said elements, means including a member displaceable axially for effecting frictional coupling between said elements, a releasable connection between said members, whereby said frictional coupling may be established by axial displacement of said first named member and prior to the establishment of said positive coupling, means responsive to differing rotational speeds of said elements for opposing axial displacement of said first named member, said last named means including a device movable with said second named member for slight circumferential displacement with respect to said first named member, and an element forming part of said releasable connection and associated with said device and second named member to retain the latter in assembled relation.

2,201,150
HARD CARBIDE COMPOSITION
John A. Boyer, Niagara Falls, and Carl G. Rose, Lewiston, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application February 18, 1938, Serial No. 191,280
15 Claims. (Cl. 106—1)

1. As a new article of manufacture a fused carbide composition consisting essentially of boron carbide and a difficultly fusible carbide of the group consisting of vanadium, columbium



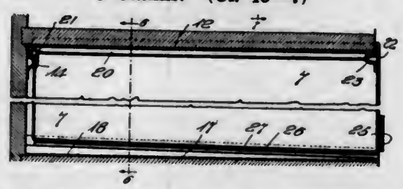
and tantalum carbides in which the difficultly fusible carbide is present as a separate crystalline phase which has solidified from a fused mass.

2,201,151
BORON CARBIDE COMPOSITION
John A. Boyer, Niagara Falls, and Carl G. Rose, Lewiston, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application February 18, 1938, Serial No. 191,281
11 Claims. (Cl. 106—1)



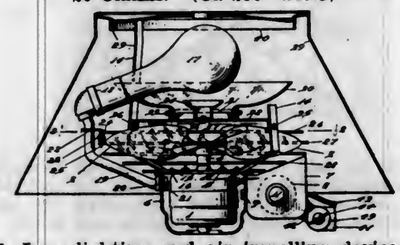
1. As a new article of manufacture a fused carbide composition consisting essentially of boron carbide and a difficultly fusible carbide of the group consisting of tungsten, molybdenum, and chromium carbides in which the difficultly fusible carbide is present as a separate crystalline phase which has solidified from a fused mass.

2,201,152
INGREDIENT CABINET
Milton A. Brockett, Oshkosh, Wis.
Application December 29, 1938, Serial No. 248,313
3 Claims. (Cl. 45—7)



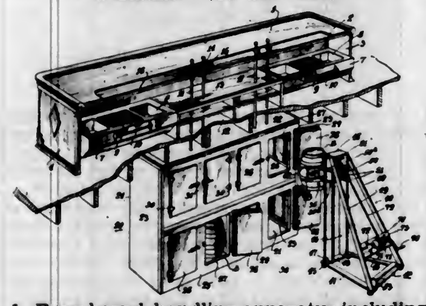
1. A device of the character described including a compartment adapted to receive a metal container having a rearwardly inclined bottom and being open at its top, metallic top and bottom guide plates supported in said compartment, guide flanges formed at the opposite sides and at the rear of said top plate, locking flanges formed along the upper sides and rear edge of said container adapted to interlock with said guide flanges in the top plate when the container is fully housed in the compartment, and cooperating frictional wedging means on said bottom plate and on the bottom of the container for effecting the sealing of the container by said top plate as it is pushed into said compartment.

2,201,153
LIGHTING AND AIR IMPELLING DEVICE
William A. Brown, Philadelphia, Pa.
Application June 13, 1939, Serial No. 278,823
20 Claims. (Cl. 230—249.5)



1. In a lighting and air impelling device, an electric light, an electric motor, supporting means for said light and motor, and an air impeller driven by said motor and having light transmitting air impelling blades adjacent to said electric light and in the path of light rays issuing from said electric light to thereby provide for illumination at all times through the air impelling blades and to prevent flicker during rotation of said air impeller.

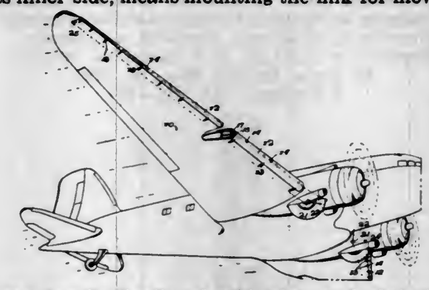
2,201,154
BREW HANDLING AND DISPENSING APPARATUS
John M. Bruce, New York, N. Y.
Application November 8, 1937, Serial No. 173,309
6 Claims. (Cl. 212—140)



1. Brew barrel-handling apparatus including, a movable supporting frame, a pair of vertically extending guide members supported upon said frame adjacent one end extremity thereof, a brew barrel-supporting carriage vertically movable along said guide members, manipulating means for raising and lowering said carriage, and means projecting laterally from said carriage and overhanging said frame for engaging the side wall of an upright brew barrel, said carriage including rollers connected thereto, certain of said rollers being vertically spaced from one another, and others of said rollers being laterally spaced from said first named rollers, said guide members extending between said laterally spaced rollers and providing oppositely facing bearing surfaces for said laterally spaced rollers respectively.

2,201,155
DEICING MECHANISM
Richard H. Burgess, San Antonio, Tex.
Application June 11, 1938, Serial No. 213,235
11 Claims. (Cl. 244—134)

1. A deicing mechanism for an air foil including a flexible skin overlying a portion of said air foil and provided with a leading edge, a movable drag link operatively coacting with said edge at its inner side, means mounting the link for move-



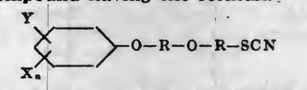
ment longitudinally of said edge, and obstacles in the path of movement of said link for vibrating the link as it is moved and flexing the leading edge of the skin to crack ice therefrom.

2,201,156
(POLYHALOPHENOXY-ALKYL) (THIOCYANO-ALKYL) ETHERS
Gerald H. Coleman and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 22, 1939, Serial No. 269,456
11 Claims. (Cl. 260—454)

1. A (polyhalophenoxy-alkyl) (thiocyano-alkyl) ether.

2,201,157
ORGANIC THIOCYANATES
Gerald H. Coleman, Midland, Mich., and Robert W. Sapp, Cambridge, Mass., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 1, 1939, Serial No. 271,171
9 Claims. (Cl. 260—454)

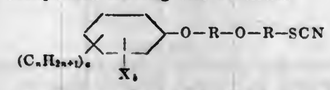
1. A compound having the formula



wherein each R represents an alkylene radical, Y represents a carbocyclic group containing 6 carbon atoms, X represents a member of the group consisting of lower alkyl, halogen and hydrogen, and n is an integer not greater than 4.

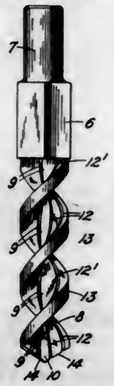
2,201,158
(ALKYL-HALO-PHENOXY-ALKYL) (THIOCYANO-ALKYL) ETHERS
Gerald H. Coleman, Midland, Mich., and Robert W. Sapp, Cambridge, Mass., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 1, 1939, Serial No. 271,172
9 Claims. (Cl. 260—454)

1. A compound having the formula



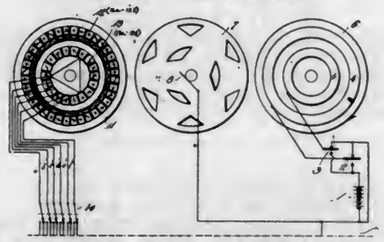
wherein each R represents an alkylene radical, X represents halogen, n, a, and b are integers, and the sum of a and b is not greater than 5.

2,201,159
BORING OR DRILLING TOOL
Alfred Cecil Clow, Greenwich, London, England, assignor to Philplug Products Limited, Perivale, Greenford, Middlesex, England, a company
Application April 22, 1938, Serial No. 203,707
In Great Britain May 10, 1937
2 Claims. (Cl. 255—61)



1. A boring or drilling tool composed of a case-hardened length of helically twisted mild steel strip having a central longitudinally extending band of metal which is comprised between the walls of longitudinal grooves formed one in each of the wider faces of the strip and is of a thickness approximately equal to twice the thickness of the case-hardened skin on the surface of the tool and ground operative end faces one on each side of the said central band which are each composed of a central mild steel portion bounded by marginal case-hardened portions.

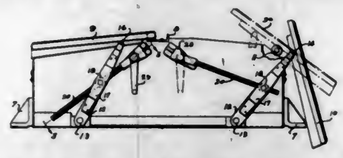
2,201,160
METHOD FOR CONTROLLING THE TIMBRE OF AN ELECTRICAL MUSICAL INSTRUMENT
Westley F. Curtis, Beaver Heights, Md.
Application July 30, 1937, Serial No. 156,574
7 Claims. (Cl. 84—1.19)



1. The method of synthesizing a complex wave form from a plurality of partials of pulsating character which consists in combining the pulsations in selected amplitude and polarity relations, and independently maintaining a fixed time phase relations between the several partials.

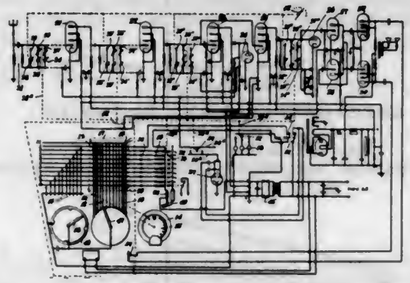
2,201,161
CONTAINER COVER OPERATING MEANS
Frank B. Deans, Sharon Hill, Pa.
Application March 27, 1937, Serial No. 133,402
6 Claims. (Cl. 220—47)

1. In combination, a container having a removable cover, an arm pivotally supported by said container and pivotally connected to said cover to move the same, a nut pivotally sup-



ported by said arm, a screw having threaded engagement with said nut, means for pivotally and rotatably supporting said screw by said container, and means for rotating said screw.

2,201,162
ELECTRICAL COMMUNICATION SYSTEM
Harold F. Elliott, Palo Alto, Calif.
Application May 29, 1936, Serial No. 82,494
4 Claims. (Cl. 250—20)

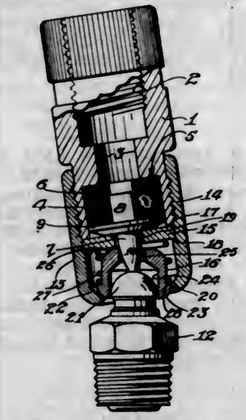


3. In combination, a communication receiver comprising a plurality of channel selecting means, a plurality of relays for operating said channel selecting means, a source of energy for operating said relays, means for energizing a selected relay for operating a corresponding channel selecting means, interlock means for holding closed any one of the relays so selected and operated, means common to all of said relays for releasing the interlock when a new relay is selected and for opening all relays when the control circuit is routed through an "off" position, with said interlock means acting immediately, a contactor operated with the relays for energizing the power circuit of the receiver when any channel relay is closed, and an interlock operating with the relays for reducing the gain of the receiver during operation of the relays.

2,201,163
LUBRICATING APPARATUS
Alexander P. Fox, University City, and Victor G. Klein, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application August 30, 1937, Serial No. 161,638
2 Claims. (Cl. 285—161)

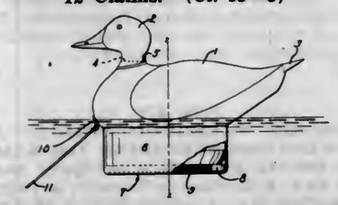
1. In a lubricant coupling device for connecting a lubricant supply conduit with an end-apertured grease-cup and including a tubular coupling-body having mounted within it a tubular needle-type lubricant-delivery nozzle generally stationary with respect to said coupling, a spring-pressed guide member surrounding the tip of said needle-type nozzle and angularly movable with respect thereto and having a substantially con-

vexly spherical end surface, and means providing a cooperating seat for rockingly receiving said



end surface, said latter means being fixedly related to said coupling.

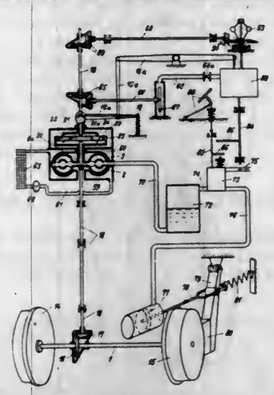
2,201,164
DECOY
Joseph Chester Fox, Seattle, Wash.
Application September 26, 1938, Serial No. 231,678
12 Claims. (Cl. 43—3)



1. A buoyant decoy comprising a collapsible hollow body of suitable exterior form, open at its bottom, and a weight attached adjacent the bottom of the body, of sufficient mass to hold the open bottom submerged, the decoy being plumped into life-like form, and rendered buoyant, by air trapped within it upon submergence of the bottom opening, under the influence of each weight.

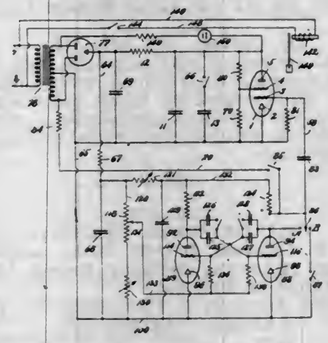
2,201,165
HYDRAULIC CIRCUIT BRAKE AND ITS APPLICATION IN RAIL AND ROAD VEHICLES
Kurt Friedrich, Munich, and Ernst Seibold, Heidenheim-on-the-Brenz, Wurttemberg, Germany, assignors to J. M. Voith, Heidenheim-on-the-Brenz, Germany, a copartnership composed of Walther Voith, Hermann Voith, and Hans Voith
Application February 6, 1936, Serial No. 62,660
In Germany February 7, 1935
14 Claims. (Cl. 188—153)

1. A device for braking rail and road vehicles, comprising, a driven member, a friction type brake for the driven member, a hydraulic circuit brake having two coaxial runners, one of said runners being rotated by said driven member, the other of said runners being operable in respect to the first runner at a relative speed difference, and means for controlling the admission of fluid to the hydraulic circuit brake, said fluid acting on the runners, whereby said hydraulic circuit brake acts to brake the driven member, the rotation of the driven member continuing



during the application of the friction brake, prior to the standstill of the driven member.

2,201,166
ELECTRIC CIRCUIT
Kenneth Joseph Germeshausen, Cambridge, Mass.
Application March 9, 1937, Serial No. 129,837
35 Claims. (Cl. 176—124)

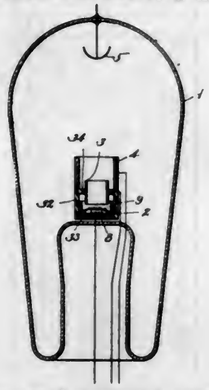


16. In an electric circuit, a gaseous-discharge tube comprising an anode, a cathode comprising a mixture of a caesium salt and a metal which will displace the caesium in the salt under the action of a cathode spot and form a surface coating thereon of a metal of low work-function, means for causing a continuous glow discharge in the tube, a grid for preventing conduction between the anode and cathode, and means changing the bias on the grid for causing an arc discharge between the anode and the cathode.

2,201,167
GASEOUS-DISCHARGE DEVICE
Kenneth Joseph Germeshausen, Cambridge, Mass.
Application March 9, 1937, Serial No. 129,838
17 Claims. (Cl. 250—27.5)

3. A gaseous-discharge device comprising an anode, a cathode and a grid disposed adjacent to the cathode between the anode and the cathode, the cathode comprising a material that will break down under the action of a cathode spot to form on the cathode a surface coating of a material

of a low work-function, the grid comprising a material that is reducible to a material of low

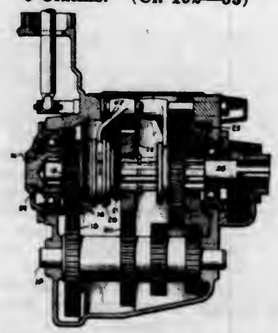


work-function, and a second grid between the first-named grid and the anode.

2,201,168
MANUFACTURE OF GELATIN
John Vernon Stuart Glass, Sutton Weaver, near Warrington, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 23, 1938, Serial No. 226,377. In Great Britain August 27, 1937
12 Claims. (Cl. 260—118)

6. In the process of making gelatin from gelatin forming materials by treatment with a lime suspension, the improvement which comprises adding a non-tertiary amine containing no negative group and an alkaline earth metal halide to the lime suspension.

2,201,169
CHANGE-SPEED GEARING
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 2, 1937, Serial No. 123,681
6 Claims. (Cl. 192—53)



1. In a motor vehicle transmission having driving and driven members, positive clutch means slidable to connect said members, a friction clutch between said members engageable in advance of the positive clutch means, yielding means connecting said positive clutch means and said friction clutch to effect engagement of the latter during sliding of the former, and means operable on engagement of said friction clutch and prior to the establishment of approximate synchronous movement of said members for retarding further sliding of said positive clutch means in a direction to positively connect said members, said last named means acting on said yielding means.

2,201,170
SECONDARY THIOAMIDES AND PROCESS OF PREPARING THEM
William Edward Hanford, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 15, 1938, Serial No. 230,141
11 Claims. (Cl. 260—551)

8. A secondary monocarbothionamide in which the thioamido nitrogen substituent has at least four carbon atoms and is united to said nitrogen by an aliphatic carbon atom.

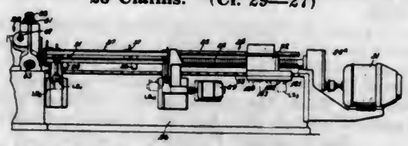
2,201,171
MONOMERIC POLAR-SUBSTITUTED THIOAMIDES AND THEIR PREPARATION
William Edward Hanford, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 15, 1938, Serial No. 230,142
18 Claims. (Cl. 260—551)

1. A monomeric, surface-active, amide of a carbothionic acid in which all thiocarbonyl groups are attached to carbon, said amide containing a water solubilizing polar substituent.

2,201,172
POLYMERIC CARBOTHIONAMIDES AND PROCESS FOR PREPARING THE SAME
William Edward Hanford, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 15, 1938, Serial No. 230,143
9 Claims. (Cl. 260—551)

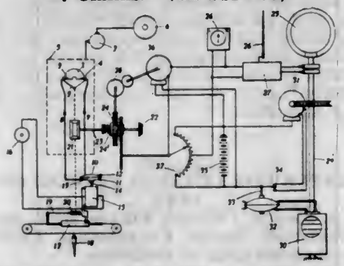
1. A linear polymeric carbothionamide.

2,201,173
MACHINE FOR SCALPING METAL WORK PIECES
Hans T. R. Hanitz, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application December 20, 1937, Serial No. 180,759
28 Claims. (Cl. 29—27)



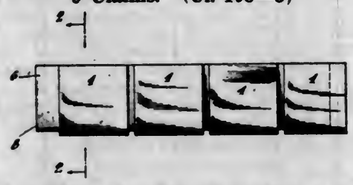
1. A machine tool for scalping round bar-shaped blanks comprising, in combination, means supporting the bar for endwise movement, means including a plurality of abutments disposed at spaced points along the path of the bar in its endwise movement for flexing the same laterally in a plurality of directions and progressively from end to end whereby to straighten the same, a first bar advancing means for pushing the bar endwise past said abutments in operative engagement therewith, means including a power rotated scalping tool for removing a helical layer of metal from the advancing bar as it leaves said abutments, the pressure exerted on the bar by said abutments serving to hold the bar against rotation, and a second bar advancing means for pulling said bar after a portion thereof has been scalped, said second bar advancing means including a clamping mechanism engageable with the scalped leading end portion of the bar.

2,201,174
AUTOMATIC STEERING SYSTEM FOR AIRCRAFT
William George Harding, Whitton, and Robert Hayes Nisbet, Osterley, England, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a company of New York
Application July 2, 1938, Serial No. 217,320
In Great Britain July 3, 1937
7 Claims. (Cl. 244—77)



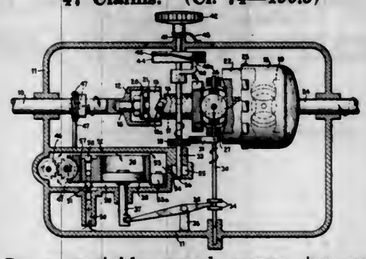
1. An automatic steering system for aircraft in which the rudder control is composed of control from a direction-giving instrument and additional control from the indications of a drift detector in such a manner as to correct the heading of the craft when drift is detected so as to reduce such deviation, this correction of heading being provided by a drift detector comprising a wireless direction finding receiver including a loop rotatably mounted on the craft and fixed in azimuth at an angle initially set according to the heading required, and means for combining with its own indication an indication of the change of heading of the craft furnished by a direction-giving instrument.

2,201,175
BUILDING MATERIAL AND THE LIKE
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Original application June 22, 1935, Serial No. 27,989, which is a division of application Serial No. 484,079, September 24, 1930. Divided and this application April 17, 1937, Serial No. 137,401
9 Claims. (Cl. 108—8)



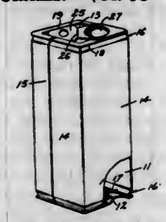
1. A building element comprising a substantially flat member forming a center core, material secured to both faces of said core and integrally connected at one edge of the core by a line of fold, one face of said element presenting a plurality of raised figures separated by intervening transverse spaces, exposing the center core, one end of said core projecting beyond the same end of the covering material to form a tenon, and a second end of said core being spaced back from a second end of said covering material to form a mortise, said element being adapted to form mortise and tenon joints with adjacent elements to form a weather-tight joint to aline the elements and to produce transverse spaces at said joints to form a continuous course of elements presenting a plurality of raised figures separated by intervening spaces.

2,201,176
VARIABLE SPEED POWER TRANSMISSION MECHANISM
Frank Anderson Hayes, Middletown, N. J.
Application August 5, 1937, Serial No. 157,533
47 Claims. (Cl. 74—190.5)



1. In a variable speed power transmission mechanism, in combination, toric disks and a precessing roller cooperating therewith, a carrier for the roller, mounted for angular movement with the roller on the axis of precession thereof, means operatively associated with the carrier for actuation thereof to initiate precession of the roller, adjustable control mechanism for said carrier actuating means, capable of adjustment in both directions while the transmission mechanism is in operation independently of the rate of precession of the roller, and additional means dependent for operation upon relative movement of the control mechanism and the precessing roller to arrest the same at the speed ratio position determined by the adjustment of the control mechanism.

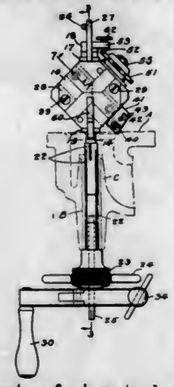
2,201,177
FIBER CONTAINER MANUFACTURE
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 9, 1938, Serial No. 244,868
5 Claims. (Cl. 93—39.1)



1. The method of preparing fiber containers which comprises shaping a fiber blank having cement edge strips on one surface into a tubular can body with said cement strips on the inside, forming a side seam on said body by treating an intermediate cement strip between overlapping edges of the blank and by pressing said edges together, inwardly beading an end of said can body to produce inwardly extending rigid supporting truss portions adjacent said cement strip edges each merging into an intermediate outwardly extending ledge portion terminating in an axially

extending flange, inserting a flat can end into the beaded end of said body and against said ledge portions, and forming an end seam between the can body and said can end by first treating said interposed cement strips and then folding inwardly and tightly squeezing said axially extending flanges over the outer periphery of said seated flat can end to lie flat thereagainst while setting said interposed cement to provide a container having its body wall braced against inward and outward movement.

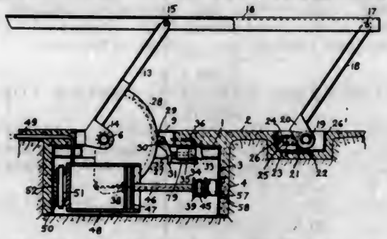
2,201,178
VALVE REFACING TOOL
Leo Imblum, San Diego, Calif.
Application January 2, 1936, Serial No. 57,143
1 Claim. (Cl. 90—12.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a valve seat refacing tool adapted to be positioned within a valve port of an internal combustion engine, a casing secured in and extending through the valve port, a cutter head mounted on one end of the casing, crossed guideways in the cutter head arranged at approximately 45° to the longitudinal axis of the casing, a similarly shaped cutter bar operable within the guideways, a cutter tool adjustably mounted on one of the cross-arms of the cutter bar, a drive rod rotatably mounted within the casing and having its terminal adjacent the cutter head bent at an angle to the longitudinal axis of the rod, a member carried by the head engageable by the rod as it is rotated for imparting movement to the head, means mounted within one of said arms to impart movement to the cutter bar as the head is rotated, a star wheel mounted on the cutter bar actuating means, means carried by the casing for engaging the star wheel once each revolution of the head to intermittently actuate the star wheel, and means mounted on the rod at its terminal remote from the cutter head for imparting movement thereto.

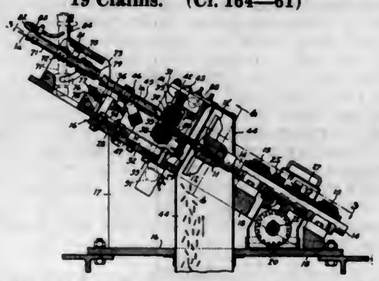
2,201,179
AUTOMOBILE LIFT
Alexis Jackson, Astoria, and Vadim S. Makaroff, New York, N. Y.; said Jackson assignor to said Makaroff
Application November 26, 1938, Serial No. 242,476
17 Claims. (Cl. 254—91)

1. An automobile lift comprising a pair of front arms, a pair of rear arms, means to rotatively support the arms, all of said arms being in parallel relation to each other, a pair of rails pivotally supported on the upper ends of the respective front and rear arms and adapted to support an automotive vehicle, the rails and the arms with their supporting means forming two hinged parallelograms, sectors rigidly mounted on the rear arms concentrically with the axes of rotation of the arms, a motor, means to rotate



the sectors by the motor, ratchet teeth on the periphery of the sectors, pawls yieldably engaging the teeth, and adapted to prevent the downward rotation of the arms, and means to release the pawls from the ratchet teeth when the motor is rendered operative for the downward movement of the arms.

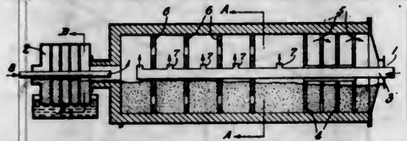
2,201,180
APPARATUS FOR CUTTING THREAD OR THE LIKE
Lavern J. Jordan, Fairview Village, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application November 18, 1938, Serial No. 241,240
19 Claims. (Cl. 164—61)



11. Apparatus for cutting thread or the like comprising a source from which thread or the like is supplied; cutting means; nip rolls for feeding the thread or the like to said cutting means in a predetermined path of travel; means emitting a beam of light on one side of the uncut thread or the like while it follows said predetermined path of travel; light-sensitive means on the other side of the uncut thread or the like, said light-sensitive means being affected by the light beam from said light-emitting means in the event of deviation of the uncut thread or the like from said predetermined path of travel; means actuated by said light-sensitive means for severing the thread or the like before it reaches said nip rolls; and means for withdrawing the thread or the like from said source after the thread or the like has been severed.

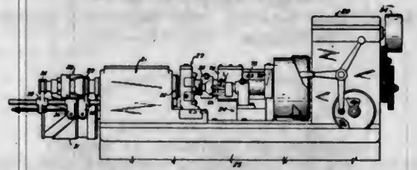
2,201,181
METHOD OF DECARBONIZING CARBON-HOLDING IRON WITHOUT MELTING
Bo Michael Sture Kalling, Djursholm, Sweden
Application October 15, 1937, Serial No. 169,193
In Sweden October 19, 1936
11 Claims. (Cl. 148—16)

1. Process of decarbonizing ferrous metals which comprises feeding a carbon containing ferrous metal in the form of granules into a reaction chamber, maintaining a mass of said granules in the reaction chamber, agitating said mass to expose fresh surfaces, discharging granules from said reaction chamber, maintaining a temperature within the reaction chamber of from about 900° C. to 1200° C., maintaining in the raction chamber in contact with the mass



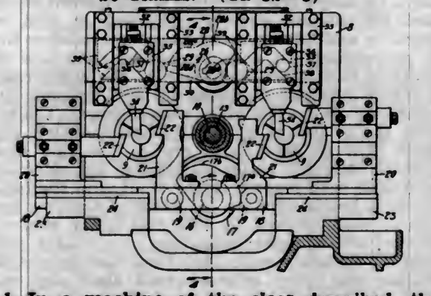
of granules an atmosphere containing CO and CO_2 in such a ratio that the carbon content of the granules is oxidized without substantial oxidation of the metal and introducing an oxygen containing gas into said reaction chamber at a point or points removed from the surface of said mass of granules so that the oxygen content of the gas reacts only with the CO flowing from the surface of said mass to maintain said ratio of CO to CO_2.

2,201,182
MACHINE TOOL
Elmer E. Kelley, Windsor, Vt.
Application August 23, 1938, Serial No. 226,289
42 Claims. (Cl. 29—53)



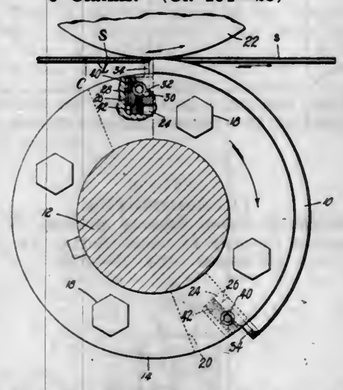
1. In a machine of the class described, a work rotating spindle including means for gripping and feeding the work therein, a pair of like tools on opposed sides of said spindle, a single means operatively supporting said tools and movable in fixed transverse planes, and means for actuating said tool supporting means in said planes to alternately present a different tool of the pair to different successively fed work in said spindle following successive operations of said gripping and feeding means.

2,201,183
MACHINE TOOL
Elmer E. Kelley, Windsor, Vt.
Application August 31, 1938, Serial No. 227,734
20 Claims. (Cl. 82—3)



1. In a machine of the class described, the combination with a plurality of parallel work rotating spindles, of a plurality of tool slides movable transversely of the axes of said spindles, said spindles and a slide cooperating with each of the latter being horizontally disposed, and the other slides being vertically disposed and cooperating with different spindles, and means for driving all of said tool slides in timed relation from a common drive including a driving member located between said vertically disposed slides and actuating the latter.

2,201,184
SLITTING MECHANISM FOR BOX MAKING MACHINES
Cutler D. Knowlton, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Application August 26, 1938, Serial No. 226,980
6 Claims. (Cl. 164—28)

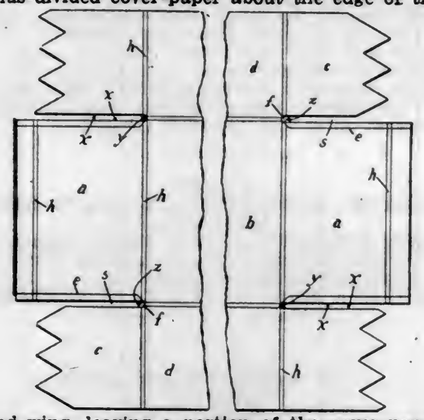


1. In a mechanism for operating upon slotted blanks having cover-paper applied over the slots, a rotatable abutment-roll provided with a continuous cylindrical surface against which the cover-paper rests, a rotatable roll co-operating with the abutment-roll and having means cutting through the slots against the smooth peripheral surface of the abutment-roll, said cutting means having a portion adapted to divide the cover-paper longitudinally of the blank along one edge of each slot, and a portion arranged to divide the cover-paper along a line extending from the longitudinal division in an inclined direction toward the inner end of and across each slot.

2,201,185
METHOD OF MAKING BOX BLANKS AND BOXES
Cutler D. Knowlton, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Original application August 26, 1938, Serial No. 226,980. Divided and this application May 24, 1939, Serial No. 275,445
2 Claims. (Cl. 93—36)

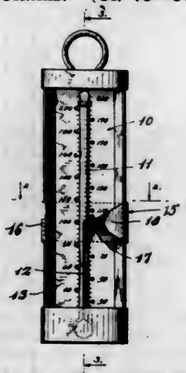
1. The steps in the method of making a box-blank comprising shell-material with cover-paper secured thereto and provided with a body-portion, side-wings, end-wings and corner-laps projecting from the side-wings and separated from the edges of the end-wings by slots over which the cover-paper extends, which consist in dividing the cover-paper along the edge of each slot adjacent to a corner-lap and extending to a point somewhat removed from the end of the slot and from such point diagonally across the slot to a point

on the edge of the end-wing less removed from the end of the slot, and folding the flap of the thus-divided cover-paper about the edge of the



end-wing, leaving a portion of the cover-paper connected to the corner-lap and to the blank-body.

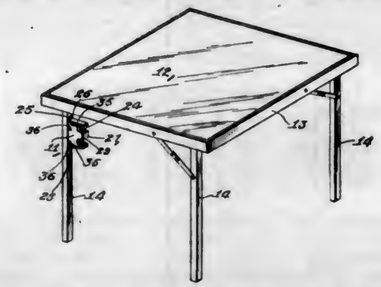
2,201,186
THERMOMETER
Stanton L. Lane, Fuquay Springs, N. C.
Application October 14, 1938, Serial No. 235,061
2 Claims. (Cl. 73—376)



2. In an indicating thermometer, an elongated casing U-shaped in cross section, a thermometer tube carried thereby, a colored temperature responsive fluid in the tube, a slide extended across the back of the casing, said slide having a hook-like member for engaging an edge of the casing and a stem portion engaging the other edge of the casing, spring means between the slide and the back of the casing for maintaining the slide in an adjusted position and said stem portion having an indicator pointer of a length contacting the tube medially of its longitudinal axis, said pointer having a color corresponding to the fluid in the tube.

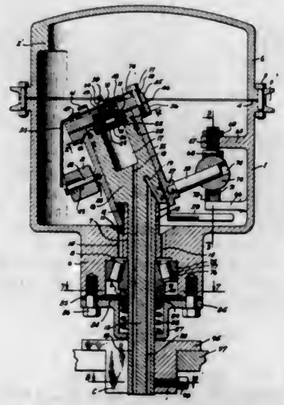
2,201,187
CARD HOLDING ATTACHMENT FOR CARD TABLES
Isreal Levin, Philadelphia, Pa.
Application November 13, 1937, Serial No. 174,432
3 Claims. (Cl. 273—148)

1. A card-deck holder for use in conjunction with a card table, including a card-deck receiving chamber, a deck-retaining member carried thereby at one end thereof for releasably locking a deck of cards in said chamber, and perforated flanged means disposed at the opposite end of said chamber and adapted to be positioned



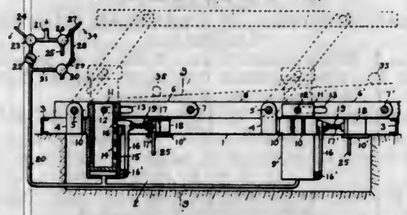
against the substantially flat surface of an unprepared element of said card table for securement thereto, whereby said card-deck holder may be generally permanently attached to said card table in a manner requiring no substantial structural modification of said table.

2,201,188
ROTARY RECIPROCATING COMPRESSOR
Sylvester A. Limpert and Alexander S. Limpert, Bay Shore, N. Y.
Application July 24, 1935, Serial No. 32,868
26 Claims. (Cl. 230—175)



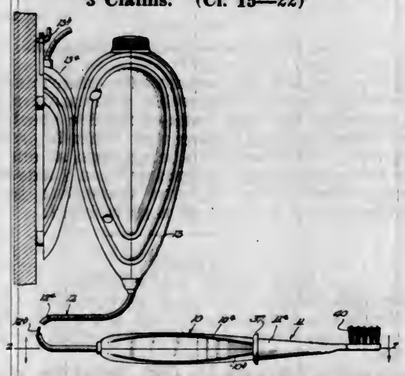
1. In a compressor, the combination comprising a rotatable shell forming a refrigerant receptacle, a cylinder element mounted in said receptacle and having a compression chamber that is periodically in communication with the receptacle during the operation of the compressor, a piston element mounted in said cylinder and relatively reciprocatable with respect thereto, said piston having a shank element which projects through said shell; one of the said compressor elements being stationary, but relatively rotatable with respect to the shell, and the other element being capable of rotation and reciprocation with respect to said stationary element, driving means interconnecting one of said compressor elements with said shell and means for sealing the joint between said shell and said shank to prevent the escape of refrigerant therebetween.

2,201,189
PNEUMATIC AUTOMOBILE LIFT
Vadim S. Makaroff, New York, and Alexis Jackson, Niagara Falls, N. Y.; said Jackson assignor to said Makaroff
Application December 1, 1937, Serial No. 177,480
Renewed September 20, 1939
5 Claims. (Cl. 254—91)



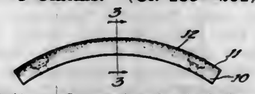
4. An auto lift comprising a base, arms pivotally supported on the base by their lower ends, rails pivotally supported on the upper ends of the arms and adapted to support an automobile, the arms and the rails forming parallelograms with the base, a fluid operated motor comprising a cylinder and a piston mounted on the base and operatively connected with one pair of the arms, means to lock the piston relatively to the cylinder in the raised position, a fluid operated motor for releasing the locking means, means to admit fluid into the lifting motor, means to release the fluid from the lifting motor, means to admit fluid into the releasing motor, and means to render the means for releasing fluid from the lifting motor operative by admitting fluid into the releasing motor.

2,201,190
DENTAL DEVICE
Conrad D. Mastrud, Chicago, Ill.
Application January 3, 1939, Serial No. 248,986
3 Claims. (Cl. 15—22)



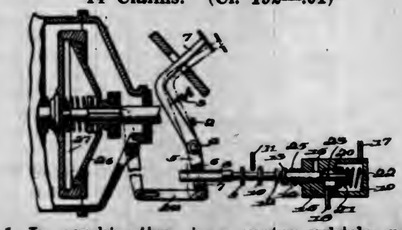
2. A power operated toothbrush comprising a handle constituting a casing, brush operating mechanism supported within said casing and including an eccentric having its axis of rotation extending transversely of said handle and a rigid brush operating arm having a sleeve operatively engaging said eccentric at one end and its forward end disposed outwardly of said casing, a pivoted bearing for said arm within said handle, the throw of said eccentric being of such proportions and said bearing being so disposed with respect to the ends of said arm as to cause the base of the bristles of a brush carried thereby to move in a substantially circular path the maximum diameter of said path being restricted within the range where the frictional engagement of the free ends of the bristles with the teeth or gums will prevent substantial relative movement therebetween, whereby cleaning and massaging action is produced by the sides rather than the free ends of the bristles.

2,201,191
FRICTION MATERIAL
John H. Matthews, Passaic, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application February 24, 1939, Serial No. 258,240
8 Claims. (Cl. 188—251)



1. A friction element adapted for cooperative engagement with a metallic brake drum surface or the like, comprising a fibrous non-woven molded material having incorporated therewith and to a limited operative surface thickness thereof discrete grains of an abrasive substance, and adapted for limited abrasive action with said metallic surface.

2,201,192
CONTROL FOR AUTOMATIC GEARSHIFT MECHANISM
Karl Maybach, Friedrichshafen, Germany, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Germany
Application August 25, 1937, Serial No. 160,916
In Germany August 28, 1936
14 Claims. (Cl. 192—.01)

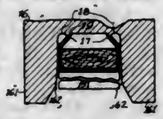


1. In combination, in a motor vehicle, power operated gear shifting mechanism a lever movable forward and backward in a path, and being capable of movement in said path independently of the gear shifting mechanism, control means for the power operated gear shifting mechanism actuatable by said lever during movement thereof over less than its full path, and actuating means between the lever and control means responsive to initial movement of the lever in its path in a forward direction to actuate the control means to initiate operation of the gear shifting mechanism and responsive to initial movement of the lever from any point in its path in the return direction to reversely actuate the control means to render the gear shifting mechanism inoperative.

2,201,193
METHOD OF ATTACHING A HANGER
Roy F. McMahan, Louisville, Ky.
Application March 26, 1936, Serial No. 70,933
3 Claims. (Cl. 153—1)

1. The method of securing a sheet metal stamping to a rectangular wooden bar, comprising, forming a section of the sheet metal stamping into channel shape with legs longer than the

thickness of the wooden bar and a base portion substantially equal in width to that of the bar; placing the wooden bar longitudinally in the bottom of the said channel; forcing the inner face of each leg into face contacting relation with the corresponding side faces of the bar; and then, while retaining the said inner faces in face contacting relation with the said side faces of the



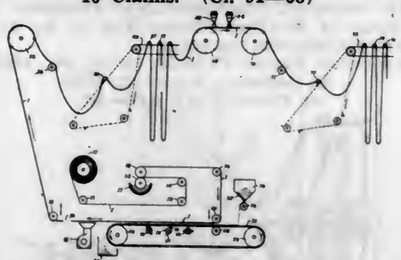
bar, curling each free end one toward the other and pressing each free end into the outer face of the said bar longitudinally along the corresponding edges of the outer face thereof until the portions of the said bar adjacent the side faces thereof are compressed between the corresponding curled free ends and base portion of the said channel.

2,201,194

METHOD AND APPARATUS FOR MANUFACTURING GRANULAR COATED WEBS

Romie L. Melton, Raymond C. Benner, and Henry P. Kirchner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application September 23, 1933, Serial No. 690,698
16 Claims. (Cl. 91—68)



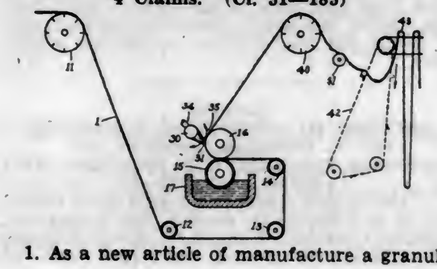
2. The process of making abrasive coated flexible webs, which comprises applying a base coat of wet adhesive to a flexible web, applying a layer of abrasive grain over said base coat, and spraying a sizing coating of liquid adhesive onto the abrasive coated web by means of a gaseous vehicle containing a solvent of said adhesive.

2,201,195

GRANULAR COATED MATERIAL

Romie L. Melton, Raymond C. Benner, and Henry P. Kirchner, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application September 22, 1939, Serial No. 296,133
4 Claims. (Cl. 51—185)



1. As a new article of manufacture a granular coated web having granular particles adhesively attached to a web backing material and further supported by an additional layer of adhesive deposited around the bases of said particles and forming a supporting mound of adhesive located principally on one side of said granular particles.

2,201,196

MANUFACTURE OF GRANULAR COATED MATERIALS

John A. Williamson, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application June 27, 1939, Serial No. 281,421
8 Claims. (Cl. 51—278)



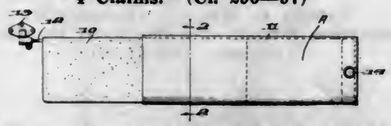
1. The method of manufacturing granular coated webs which comprises the steps of applying a layer of liquid adhesive of excess thickness to the granular surface of a web previously coated with granular particles and then directing a high velocity stream of gas against the said adhesive layer whereby the excess adhesive is removed and the peaks of said granular particles are cleared of the residual coating of adhesive.

2,201,197

AUTOMOBILE GLARESHIELD CONSTRUCTION

Claude Albert Minor, Jr., San Antonio, Tex., assignor of one-half to Paul L. Meaders, San Antonio, Tex., and one-half to Lionel G. Anderson, Washington, D. C.

Application January 11, 1938, Serial No. 184,467
4 Claims. (Cl. 296—97)



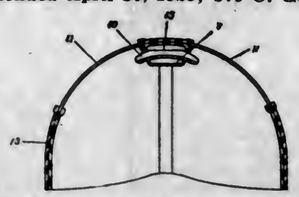
3. In or for an automobile glareshield, a glareshield extension member comprising a pair of opposing flat side walls of flexible sheet material meeting and joining each other in creased, opposing side edges, and being open at one end for telescoping over a glareshield, said side walls being bendable to conform themselves to the thickness and contour of a glareshield.

2,201,198

GAS MASK FACEPIECE

Randolph Monro, Edgewood Arsenal, Armand V. Motsinger, Aberdeen, Herbert A. Scruton, Baltimore, and Glenn A. Little, Edgewood Arsenal, Md.

Application February 24, 1938, Serial No. 192,316
5 Claims. (Cl. 128—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of making gas mask facepieces

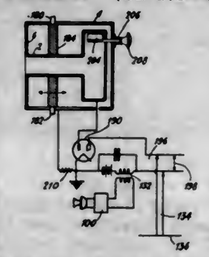
which comprises coating a fabric with cellulose nitrate composition, assembling two sheets of the coated fabric on opposite sides of a sheet of cellulose acetate with the coated sides of the fabric contacting said sheet, permanently uniting the assembly by the application of heat and pressure, cutting the lens openings in the assembled sheets, placing lenses of relatively stiff cellulose acetate over said openings, sewing the lenses in place, and securing and sealing two edges of the assembly to form a chin seam for the facepiece.

2,201,199

ULTRA SHORT WAVE APPARATUS

Harold Olaf Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 2, 1934, Serial No. 718,738
Renewed August 8, 1939
27 Claims. (Cl. 178—44)



1. In combination, a tuned high frequency circuit comprising an enclosed cylinder, a hollow cylindrical member within said cylinder, said member having hollow enlarged ends of appreciable length compared to the length of said member, said hollow ends communicating with the interior of said cylindrical member.

2,201,200

PROCESS OF PREPARING THIOLACTAMS

Paul Swithin Pinkney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 4, 1938, Serial No. 199,988. Renewed August 4, 1939
9 Claims. (Cl. 260—239)

1. Process of preparing thiolactams which comprises reacting hydrogen sulfide with a primary monoaminomononitrile wherein the amino group is attached to a carbon atom bearing at least one hydrogen atom and is separated from the nitrile group by a chain of from three to five carbon atoms, not more than two of which are atoms of the same ring, said chain being free of acetylenic and allenic unsaturation.

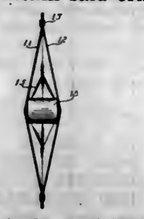
2,201,201

ORNAMENT

William C. Protz, Manitowoc, Wis., assignor to National Tinsel Manufacturing Company, Manitowoc, Wis., a corporation of Wisconsin

Application February 14, 1938, Serial No. 190,506
4 Claims. (Cl. 41—10)

3. In an ornament, a pair of generally dish-shaped elements formed of light, bendable material and capable of self-retention of said shape, said elements having substantially identically shaped peripheries; means for securing said elements together in opposed relation at spaced peripheral portions so as to provide a hollow ornament; and rigid means concealed from external view and distinct from said securing means enclosed entirely within said ornament and between said elements for resisting external pressure tending to collapse said structure.



2,201,202

ARMOR PLATE

Everett L. Reed, Arlington Heights, Mass.

No Drawing. Application December 15, 1938, Serial No. 245,927
4 Claims. (Cl. 148—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. As a new article of manufacture, light armor plate formed from a plate of alloy steel containing about 0.20 to 0.35 per cent of carbon, about 0.40 to 0.80 per cent of manganese, about 0.55 to 0.85 per cent of chromium, about 0.15 to 0.25 per cent of vanadium, about 2.5 to 3.5 per cent of tungsten and the remainder substantially all iron, said plate having its exposed surface carburized to form a bullet-shattering case having a fine distribution of tungsten-chromium carbide.

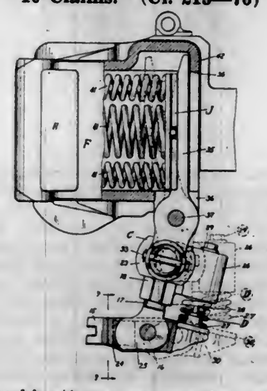
3. The process of heat treating light armor plate made from a steel alloy containing about 0.20 to 0.35 per cent of carbon, about 0.40 to 0.80 per cent of manganese, about 0.55 to 0.85 per cent of chromium, about 0.15 to 0.25 per cent of vanadium, about 2.5 to 3.5 per cent of tungsten and the remainder substantially all iron which comprises the steps of normalizing for 1½ to 2½ hours at 940 to 970° C., annealing 2½ to 3½ hours at 830 to 860° C., carburizing 48 to 55 hours at 900 to 950° C., hardening by heating 2 to 2½ hours at 850 to 875° C., quenching in water at the latter heat, tempering by reheating 2 to 2½ hours at 200 to 225° C., and air cooling.

2,201,203

AUTOMATIC TRAIN PIPE CONNECTOR AND CAR COUPLER SLACK CONTROL MEANS

Joseph Robinson, New York, N. Y., assignor of one-half to Roy M. Wolvin

Application March 18, 1937, Serial No. 131,583
10 Claims. (Cl. 213—76)



1. In combination, a car coupler, an automatic

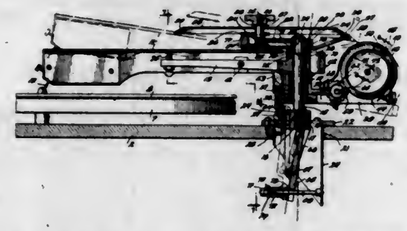
train pipe connector operating in unison with said coupler, said connector including a coupling head, yieldable pressure means for projecting said head forwardly, said means being positioned above the connector and serving also to control longitudinal slack between mated car couplers equipped with said connector.

2,201,204

MECHANISM FOR SELECTIVELY REPRODUCING, REPEATING, AND CHARTING SOUND RECORD MATERIAL

Arthur L. Runyan, New York, N. Y., assignor to Translaphon Corporation, New York, N. Y., a corporation of New Jersey

Application December 15, 1937, Serial No. 179,998
12 Claims. (Cl. 274—1)



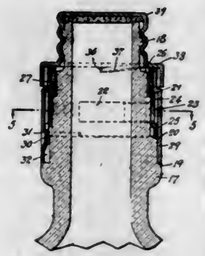
1. A tone arm unit including a horizontally swinging tone arm and indicating means including a relatively movable graduated indicating element and a pointer cooperating therewith, the graduations of said indicating element corresponding to the grooves of a sound record, and gearing including fixed and movable gear elements, said movable gear element being actuated by the tone arm and connected with the indicating means for operating the same.

2,201,205

TAMPERPROOF CLOSURE

Maurice Samburg, New York, N. Y.

Application April 8, 1938, Serial No. 200,839
18 Claims. (Cl. 215—7)



18. A closure structure for a glass bottle having an elongated neck, comprising an inner metal sleeve having a peripheral slot therein, an outer metal sleeve of greater length than said inner sleeve and having a horizontal elongated window, a lug projecting inwardly from said outer sleeve, and a tongue secured to the inner sleeve and having a free end adapted to abut said lug upon rotation of the inner sleeve, a cap for said bottle, the lower portion of which encompasses the upper edge portions of said sleeves and having means for rotating the inner sleeve in only one direction.

2,201,206

PRODUCTION OF ANHYDROUS MAGNESIUM CHLORIDE

Walther Schmid, Fritz Wienert, and Hans Georg Lange von Stocmeier, Stassfurt, Germany, assignors, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware

No Drawing. Application January 5, 1939, Serial No. 249,478. In Germany January 22, 1938

5 Claims. (Cl. 23—91)

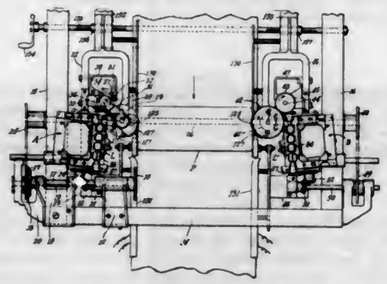
1. In a process for the production of anhydrous magnesium chloride from that group of magnesium chloride containing substances which consists of aqueous solutions of magnesium chloride and hydrates of magnesium chloride containing at least about two molecules of H_2O for every molecule of $MgCl_2$, the steps of first spray-drying the said magnesium chloride containing substances, in liquid or molten condition, by contact with hot gases so as to convert them into a magnesium chloride hydrate whose water content is less than about 2 mols of H_2O for every mol of $MgCl_2$, moulding said low hydrate into shaped pieces with admixture of small amounts of a reducing agent, and finally treating said shaped pieces with gaseous chlorine so as to convert them into anhydrous magnesium chloride.

2,201,207

END LABEL ATTACHMENT

August J. Schmidt, Glendale, and John Jackson, Brooklyn, N. Y., assignors to American Machine & Foundry Company, a corporation of New Jersey

Application October 27, 1937, Serial No. 171,388
Renewed August 19, 1939
23 Claims. (Cl. 216—53)



9. A process comprising coating one face of labels with adhesive, applying the adhesive-coated faces of the labels to packages having wrappers provided with an external fusible coating, and then heating the labeled portions of the packages while said adhesive is tacky to fuse the coating of the wrapper therebelow and permit the adhesive on the label to permeate the same and bond the label to the wrapper.

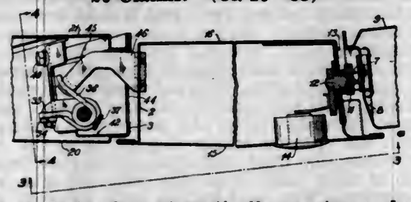
22. The combination with means for advancing packages having end folds, of spaced devices for applying coated labels to said end folds, means for rendering the contacting surfaces of the end folds and labels adherent relatively to the other during the application of the labels, spaced devices for applying the coated labels to each folded end of the packages, and heat sealing means operating on the labeled package ends subsequent to the application of the labels to the end folds to complete the labeling operation.

2,201,208

DOOR OPENING DEVICE

Rudolph I. Schonitzer, Shaker Heights, Ohio

Application August 21, 1939, Serial No. 291,240
20 Claims. (Cl. 16—85)



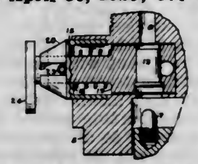
1. A device for automatically opening a closed but unlatched door structure so hinged on a supporting structure that when said door structure is in such closed position the transverse hinge edge walls of said structures are in generally abutting relationship, said device comprising a bracket adapted to be secured to one of said structures between the general planes of its two side walls and adjacent its hinge edge wall, a pintle carried by said bracket, a helical torsion spring surrounding said pintle, spaced abutments associated with said bracket and engageable by the end portions of said spring for limiting oscillatory movement thereof, said spring being in partially "loaded" condition when its end portions are in engagement with said abutments, one of said spring end portions being oscillatable in a direction from its abutment to an operative position during the movement of the door structure to its closed position and said spring being "loaded" to a greater degree when its last mentioned end portion is in such operative position, said last mentioned spring end portion, when in its operative position, being effective upon the other of said structures in the region of the hinge edge wall thereof and being capable of swinging said closed door structure, if unlatched, to an open position.

2,201,209

FUSE

Fred Schultze, Rockaway, N. J., assignor to the Government of the United States of America, as represented by the Secretary of War and his successors in office

Application March 23, 1939, Serial No. 263,621
2 Claims. (Cl. 102—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



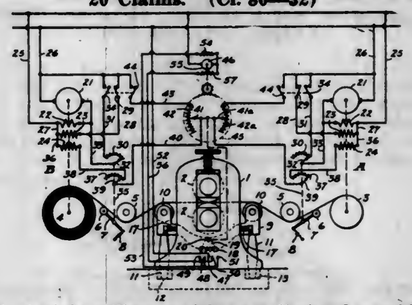
1. In a fuse, a body having a longitudinally disposed flash passage and a radially disposed passage intersecting the flash passage, a bushing fixed in the outer part of the radial passage and having a portion projecting externally of the body, said portion formed with sets of deep slots and with sets of shallow slots, a bolt slidably and rotatably mounted in the radial passage and extending through the external portion of the bushing, a pin on the external part of the bolt selectively engageable in the slots, a spring seated on the bushing and acting on the bolt to normally hold the pin in the slots and to move the bolt inwardly, a primer carried by the bolt, said primer being out of line with the flash passage and out of parallelism therewith in one position of adjustment of the bolt and in alignment with the flash passage in another position of adjustment of the bolt, and a firing pin in line with the flash passage and movable relative to the body.

2,201,210

STRIP MILL

Frank H. Smith, New York, N. Y., and Henry A. Stringfellow, St. Thomas, Ontario, Canada; James W. Brown administrator of said Frank H. Smith, deceased, assignors by direct and mesne assignments, of one-half to said Stringfellow, and one-half to George Downing Hartley, Worcester, Mass.

Application August 28, 1936, Serial No. 98,366
20 Claims. (Cl. 80—32)



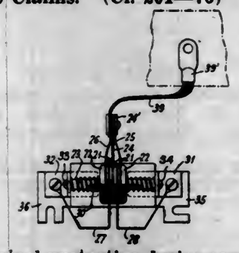
1. A strip mill comprising a roll stand provided with reducing rolls; strip reels to which opposite ends of a strip extending between the reducing rolls are attached, a motor geared to each reel, each motor being adapted to drive its reel to wind the strip thereon and to be driven by its reel while the strip is unwinding therefrom, each motor having a field winding through which torque is applied which tends to rotate the motor shaft in a direction to wind the strip on its reel, a controlling element movable in response to a variation in the tension of the strip on either side of the roll stand, and means operated by said controlling element for controlling the motor torque ratio.

2,201,211

THYRITE PROTECTIVE DEVICE

George Lindley Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

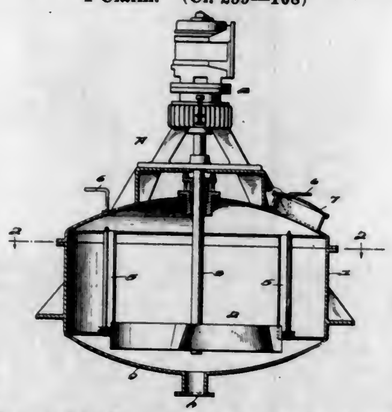
Application October 2, 1936, Serial No. 103,643
2 Claims. (Cl. 201—76)



1. An electrical protective device comprising an alternate assembly of annular "Thyrite" discs and annular metallic electrodes, each electrode having a projecting lug, an insulating washer at each end of said assembly, an insulating rod passing through said assembly, binding means for maintaining said assembly in intimate contact including an L shaped metallic support at each

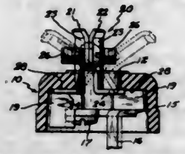
end of said rod, and a spring member between each of said supports and said insulating washers, terminal lug extensions on each of said L shaped members and an insulating supporting strip between said members, the central and end electrodes of said assembly being connected together and connected to ground, connections from each of the intermediate electrodes to a corresponding one of said terminal lug extensions, said lug extensions being adapted to be connnected to an electrical circuit to be protected.

2,201,212
DISSOLVER
Kenneth S. Valentine, New York, N. Y., assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio, a corporation of Ohio
Application March 16, 1938, Serial No. 196,295
1 Claim. (Cl. 259—108)



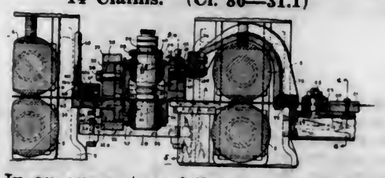
The combination of a tank having a cylindrical intermediate portion, a rotatable shaft located in the tank, an impeller carried by the shaft and having blades, each blade having a portion in a vertical plane and being inclined toward its tip, baffles pivotally supported in the ends of the tank, with one edge contiguous to the cylindrical wall and extending substantially throughout the height of the latter, whereby all material within the tank forced against and following the wall of the tank, is deflected by the baffles when they are turned outwardly, thereby retarding and turning back the material in the direction of the impeller, and means outside of the tank for regulating the axial position of the baffles.

2,201,213
STRAIN RELIEF
Charles Theodore Von Holtz, Bridgeport, Conn., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application January 7, 1938, Serial No. 183,766
2 Claims. (Cl. 173—322)



1. In a device of the character described, an integral moulded one-piece body of insulating material, lead wire connections carried by said body, said body having an opening leading to said connections, a cable clamp including a pair of elements extending through said opening and each comprising a cable clamping portion and an angularly related foot within said body and extending radially relative to said opening, means connecting said clamping portions for causing them to clamp a cable passing through said opening, said body having internal recesses extending radially from said opening having bottom walls spaced inwardly from the outer wall through which the opening enters and facing in the opposite direction from this wall, said recesses being open at their inner sides and receiving said feet to cooperate with said bottom walls whereby the clamping elements may move toward and from one another but are held against removal from the body, said recesses being of a width to cooperate with the edges of the feet to prevent the clamping elements turning relative to the body, means on said clamping portions at the outer side of the body spanning edges of said opening and engaging the outer surface of the body and thereby maintaining said feet within said recesses, and the diameter of said opening being less than the distance between the outside surface of the connecting portion of one element and the free end of the foot of the other element when said clamping portions are connected and of a size to permit each element to be rocked about the edge of the opening to permit insertion and removal of the foot through the opening when the elements are disconnected.

2,201,214
MACHINE FOR OPERATING ON SHEET METAL
Carl M. Yoder, Lakewood, Ohio
Application April 10, 1937, Serial No. 136,176
14 Claims. (Cl. 80—31.1)

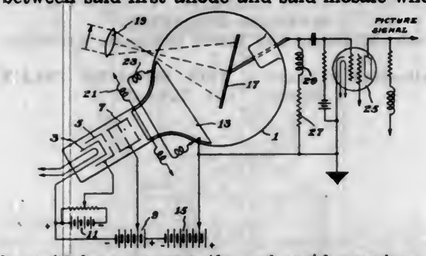


1. In an apparatus of the class described, the combination of a support relative to which sheet metal feeds, a pair of supporting devices mounted on said support, a rotatable edging member mounted in each device for adjustment endwise and formed with a plurality of edging elements each arranged to co-act with an edging element on the other member to engage the side edges of the sheet metal, and means between each said member and its supporting device for selectively engaging said member to dispose any one of said edge elements thereon in operative position.

2,201,215
PICTURE TRANSMITTER TUBE
Vladimir K. Zworykin, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application June 28, 1934, Serial No. 732,750
8 Claims. (Cl. 178—7.2)

1. A picture transmitting tube comprising a highly evacuated envelope, means therein including a first anode for producing a beam of electrons, a mosaic of elements so sensitized that they emit electrons when an image is formed thereon and so positioned that said beam may

scan said elements and also so positioned that an image may be formed on said elements on the same side that is scanned by said beam, and an electron beam focusing electrode having an opening therein which is positioned in line with and between said first anode and said mosaic where-



by said beam passes through said opening, the size of said opening being such that said electrode is not struck by said beam as it is caused to scan said mosaic, said electrode being positioned out of the path of the rays forming said image and functioning as a collector of photoelectrons from said mosaic.

2,201,216
ELECTRON TUBE
Otto Baier, Berlin-Reinickendorf, and Curt Jung-Zaeper, Berlin-Wilmersdorf, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application January 25, 1937, Serial No. 122,216
In Germany January 24, 1936
11 Claims. (Cl. 250—27.5)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



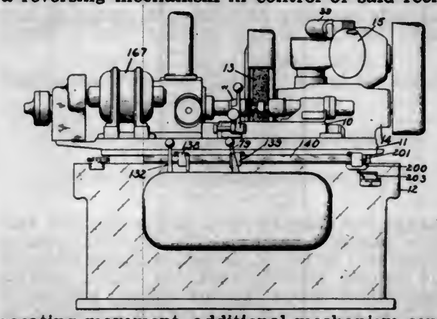
1. An electron tube comprising a ceramic vacuum vessel, a split anode and a cathode within said vessel, and hollow ceramic studs sealed in the walls of said vessel and projecting inwardly from the wall thereof, the parts of said anode being fixed to the inner ends of said studs.

2,201,217
LUBRICANT
Herman E. Ballard, Berkeley, Calif.
No Drawing. Application August 25, 1937, Serial No. 160,824
21 Claims. (Cl. 87—9)

5. A solid lubricant comprising a water insoluble metal soap of thickened fixed oil and a polar non-polar material of high molecular weight having sufficient hydrocarbon groups to be substantially insoluble in water and sufficient hydroxyl groups to be substantially insoluble in petroleum hydrocarbons.

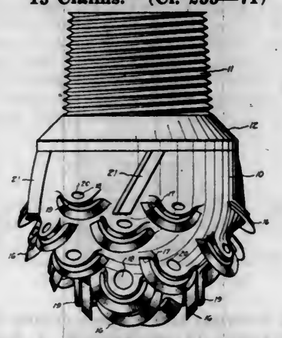
2,201,218
MACHINE FOR GRINDING NONCIRCULAR WORK
Harold E. Balsiger and Conrad L. Ott, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania
Application October 22, 1935, Serial No. 46,168
11 Claims. (Cl. 51—101)

1. In a machine of the kind described, a work support, a tool support, means to effect a relative transverse feeding movement between said supports, means to effect a relative longitudinal reciprocating movement between said supports, a reversing mechanism in control of said recip-



rocating movement, additional mechanism separate from said reversing mechanism and operable in response to a change in size of a work piece for rendering said reversing mechanism ineffective to continue said longitudinal reciprocating movement.

2,201,219
DRILL BIT
Ivan C. Bell, Dallas, Tex.
Application October 16, 1937, Serial No. 169,375
15 Claims. (Cl. 255—71)

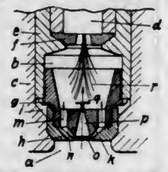


1. A drill bit including, a head cylindrical in cross-section adapted to be attached to a drill stem, a series of rolling cutters mounted on the head and arranged in a spiral path extending from the central portion of the bottom of the head to the cylindrical wall thereof, and a second series of cutters mounted on the head and also arranged in a spiral path extending from the same.

2,201,220
INTERNAL COMBUSTION ENGINE
Alfred Bokemüller, Gaggenau, Baden, and Franz Schaub, Berlin-Charlottenburg, Germany, assignors to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application February 10, 1937, Serial No. 124,976
In Germany February 13, 1936
8 Claims. (Cl. 123—33)

2. In an internal combustion engine, a cylinder including a main combustion space, a precombustion chamber, a fuel-injecting nozzle opening into said pre-combustion chamber, and a heat accumulating core member interposed between said pre-combustion chamber and said

space and at least one conduit establishing communication between said main combustion space and that portion of said precombustion chamber which is nearest the main combustion space, said core being provided with a port which is substantially coaxially disposed with regard to said nozzle offering to the injected fuel a direct



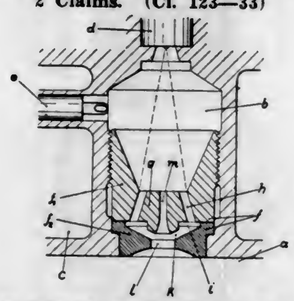
straight-line passage from said nozzle into said space, said port having a cross-sectional area of 1/6,000 to 1/60,000 of the piston displacement of said cylinder whereby when the engine operates substantially above starting speeds, passage of the fluid jet through said port is prevented by the air flowing from said main combustion space to said precombustion chamber.

2,201,221

INTERNAL COMBUSTION ENGINE RECEIVING FUEL BY INJECTION

Alfred Bokemüller, Gaggenau, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany

Application March 30, 1935, Serial No. 13,965
In Germany April 4, 1934
2 Claims. (Cl. 123—33)



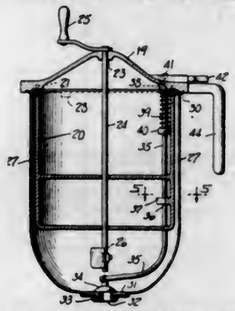
1. In an internal combustion engine receiving fuel by injection, in combination, a main combustion chamber, a precombustion chamber having a throttling opening therein for establishing communication between the interior of the precombustion chamber and the main combustion chamber, a core piece arranged in the precombustion chamber on the side of said throttling opening remote from the main combustion chamber and having a restricted straight throttling bore therein for establishing communication between the precombustion chamber and said opening, a plurality of throttling conduits grouped around said core piece for establishing further communication between the precombustion chamber and said throttling opening and a fuel injection nozzle arranged to inject a jet of fuel through the precombustion chamber directly into said throttling bore and throttling conduits with the axis of the jet substantially in alignment with the axis of the throttling bore so as to allow fuel from the nozzle to pass in a straight line through the precombustion chamber, through said throttling bore and said throttling opening into the main combustion chamber, said throttling conduits having a bend therein so that the fuel injected into them can pass only through said throttling opening into the main combustion chamber after being subjected to a change in its direction of flow.

2,201,222

BATTER DROPPER

Maurice Bramson and Harry Bramson, Brooklyn, N. Y.

Application January 5, 1939, Serial No. 249,378
4 Claims. (Cl. 259—43)



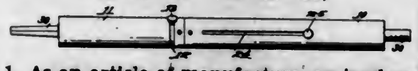
1. A device of the class described comprising an arm, a cover member carried by the end of the arm, a U-shaped frame secured to the lower face of the cover member, a liquid container detachably secured to the cover member and enclosing the U-shaped member, the container being apertured at the bottom, a stirrer carried by the cover member and the U-shaped member, a rod extending down through the cover, and inside the container adjacent the container wall, and carrying a closure member, bearings in the cover and in the U-shaped member for the rod, a lever carried by the rod for shifting the rod about its axis, and a spring biasing the rod to a position to keep the closure member above the opening to prevent escape of the contents of the container.

2,201,223

HAIR WAVER

Louis V. Bregou, Worcester, and Philip E. Berling, Auburn, Mass.; said Berling assignor to said Bregou, Worcester, Mass.

Application November 5, 1936, Serial No. 109,364
18 Claims. (Cl. 132—33)



1. As an article of manufacture, an implement for the purpose of waving hair which comprises a cylindrical casing, a pair of waving irons pivoted at one end of the casing and projecting therefrom, a rod located in the casing and projecting from the other end to constitute an operating handle, and means whereby the pushing in of the rod will engage the waving iron to open it.

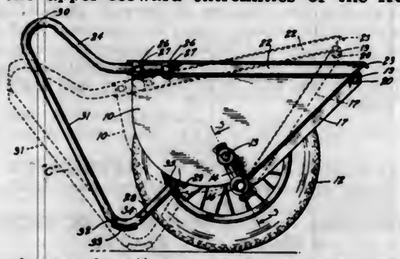
2,201,224

CONCRETE CART

Clement A. Buchen, Denver, Colo., assignor to Eaton Metal Products Co., Denver, Colo.

Application January 25, 1939, Serial No. 252,752
4 Claims. (Cl. 298—2)

1. A wheeled cart comprising: a cross frame member; a hanger extending upwardly from each extremity of said cross frame member; a stub axle extending outward from the upper extremity of each hanger; a wheel mounted on each axle; frame members secured to said cross frame member and extending forwardly and upwardly therefrom; a scoop-shaped body hinged to the upper forward extremities of the frame



members and resting on said cross frame member; a hinge bar supported between the upper extremities of said frame members; and means for hinging the forward upper portion of said body on said hinge bar.

2,201,225

DIE FOR MAKING A T-SHAPED PART

Harry Cadwallader, Jr., Philadelphia, Pa.

Application December 2, 1937, Serial No. 177,828
4 Claims. (Cl. 78—60)



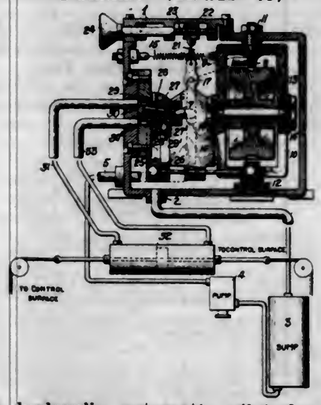
1. As a new article of manufacture, a two part die for forging a T-shaped nut blank, having its parting plane in the head of the T and parallel to the top and bottom faces of the flanges forming the head.

2,201,226

HYDRAULIC AUTOMATIC PILOT FOR AIRCRAFT

Bert G. Carlson, Freeport, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application March 24, 1938, Serial No. 197,883
4 Claims. (Cl. 244—79)



1. A hydraulic automatic pilot for aircraft comprising a turn responsive gyroscope, a source of liquid pressure, a normally centralized three position rotary valve actuated in one direction or the other by precession of said gyroscope away from its normal position, a reversible servo-motor for moving a control surface, supplied by liquid pressure from said valve, whereby said motor is stopped or actuated in either direction by said gyroscope, and combined spring and gravity responsive means for centralizing said gyroscope

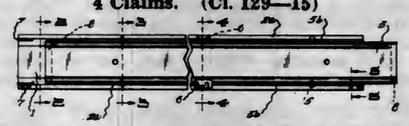
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2,201,227

TRACK AND CARRIAGE FOR SORTING DEVICES

Charles C. Casey, Detroit, Mich.

Application February 13, 1939, Serial No. 256,126
4 Claims. (Cl. 129—15)



1. A sorting tray support including a base having upwardly and laterally extending flanges, said flanges extending at right angles inwardly at their outer edges to form additional flanges, and a carrier having laterally and downwardly, and laterally and upwardly, extending flanges at its edges, the surfaces on the flanges of said base and the flanges of said carrier, opposing each other to form two ball-ways, and balls between said flanges.

2,201,228

MANUFACTURE OF ALIPHATIC ACIDS

Henry Dreyfus, London, England

No Drawing. Application February 1, 1938, Serial No. 188,062. In Great Britain February 19, 1937
10 Claims. (Cl. 260—532)

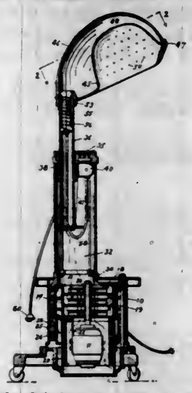
1. Process for the manufacture of an aliphatic acid by subjecting carbon monoxide to reaction with a vapor of an aliphatic alcohol, wherein the reaction is carried out in the presence of at least traces of copper and a catalyst is dispersed in the reaction zone by introducing into the reactants a nitrogen compound of a oxy-acid of phosphorus.

2,201,229

HAIR DRIER

Carl G. Gross, Mount Vernon, N. Y., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware

Application October 20, 1936, Serial No. 106,511
2 Claims. (Cl. 34—26)



2. A portable high pressure hair drier including, in combination, a compact base, a motor-driven, high pressure fan in said base with its shaft vertically disposed, to secure a low center of gravity, an air filter in said base having a relatively large air inlet area to provide filtration with low inflow velocity, means disposed between

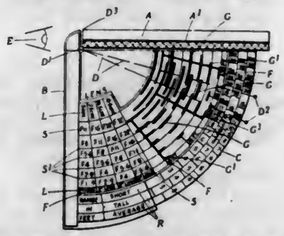
the inlet and the fan to reverse the flow of air therebetween, thus providing sound dampening effects, a plenum chamber adjacent said fan forming a column, a balanced, vertical, adjustable conduit of a substantially smaller cross-sectional area than said plenum chamber communicating with said chamber to form an outlet, an air distributor supported by said conduit, said distributor being shaped to fit a human head and provided with a plurality of relatively small openings to direct air toward a head when surrounded by said distributor, the high pressure fan and air openings being of adequate size to create an air pressure within said air distributor amounting to at least four inches of water pressure.

2,201,230

APPARATUS FOR ASCERTAINING THE DEPTH FOCUS OF A LENS

Donald Eric Hardie, Finchley, London, England

Application June 8, 1938, Serial No. 212,407
In Great Britain June 11, 1937
5 Claims. (Cl. 33—71)



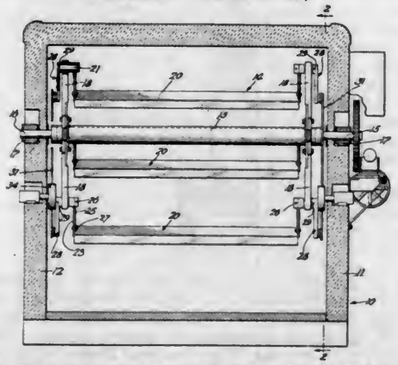
1. Means for ascertaining the range of sharp focus of a camera or the like having a lens, said means including a plate having thereon means establishing a sight line fixed relatively thereto, means defining a pivot point at the end of the sight line adapted to form the point from which sight is taken, a plurality of sighting members radiating from said point, and focal zone indicia arranged concentric of said point for embracement between said sighting members.

2,201,231

STABILIZED TRAY OVEN

Adolph Haupt, Chicago, Ill., assignor to Middleby-Marshall Oven Co., Chicago, Ill., a corporation of Illinois

Application June 5, 1939, Serial No. 277,374
8 Claims. (Cl. 107—59)



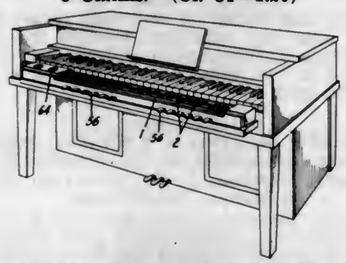
1. In a tray oven, a reel, trays journaled in an end of the reel and carried thereby, rotatable stabilizing means, and members operatively connecting the stabilizing means to said trays for causing said means to rotate with the reel and to retain the respective trays in horizontal positions during the rotation of the reel, each of said members comprising a pair of elements slidable relatively one to the other for preventing imposition of stresses in the tray journals due to expansion of the reel end with respect to said stabilizing means.

2,201,232

ELECTRICAL MUSICAL INSTRUMENT

Bruno Helberger, Frankfort-on-the-Main, Germany

Application April 21, 1938, Serial No. 203,241
6 Claims. (Cl. 84—1.20)



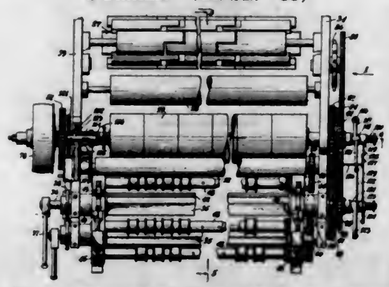
1. In an electrical musical instrument in combination, a flexible contact strip of electrically conductive material, a rigid bar wound with electrical resistance material, said bar extending substantially parallel to said strip and adapted to be contacted thereby at a multiplicity of different points to provide different effective resistances, yielding means supporting said bar and adapted to permit said bar to move under pressure applied through said contact strip at any point along said contact strip, and a variable resistance located between the ends of said bar and operated by said movements of said bar.

2,201,233

MEANS FOR CONTROLLING THE POWER DRIVE IN A WINDING OR OTHER MACHINE

Robert McC. Johnstone, Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York

Original application September 10, 1937, Serial No. 163,190. Divided and this application May 11, 1938, Serial No. 207,259
4 Claims. (Cl. 242—55)



3. In a machine of the character described, spooling mechanism, means for supplying power to said machine and spooling mechanism, means for starting and stopping said machine, and means under the control of said starting and

stopping means for supplying additional power to the spooling mechanism only during the acceleration of said machine from rest.

2,201,234

TORQUE INDICATING WRENCH

Willard C. Kress, Kenmore, N. Y., assignor to J. H. Williams & Co., Buffalo, N. Y., a corporation of New York

Application May 14, 1938, Serial No. 207,892
5 Claims. (Cl. 265—1)



1. A measuring instrument comprising two juxtaposed relatively rigid members rigidly connected together at one end and being unconnected at their other ends, said members extending in substantially parallel relation to each other, at least one of said members being capable of being flexed laterally with respect to the other under applied force, the unconnected ends of the members being in superposed relation and provided one with a scale disposed longitudinally of the member and the other with an index disposed longitudinally of the member for cooperation with the scale and adapted to indicate the degree to which one of the members has been flexed by the application of applied force.

2,201,235

CATALYST AND PROCESS OF PRODUCING SAME AND PROCESS OF EMPLOYING SAID CATALYST IN HYDROGENATION REACTIONS

Charles William Lenth and Robert Newell Du Puis, Chicago, Ill., assignors to Association of American Soap and Glycerine Producers, Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application August 17, 1936, Serial No. 96,476
17 Claims. (Cl. 260—635)

3. A process for the hydrogenation of carbohydrates selected from the group of mono- and disaccharides which comprises subjecting a mixture comprising hydrogen and carbohydrate in a liquid vehicle to temperatures of approximately 100 degrees C. and upwards, and pressures of approximately 10 atmospheres and upwards while maintaining such mixture in contact with a catalyst resulting from heat treating a mixture of oxide-forming copper and aluminum compounds at temperatures of 750 to 1100 degrees C. until a substantially acid-insoluble product is formed, and adding an alkaline promoter selected from the group of alkali carbonates.

7. As a new composition of matter, a chemically stable chemical substance consisting of partially reduced copper aluminate.

13. A catalyst comprising copper aluminate and an alkali carbonate.

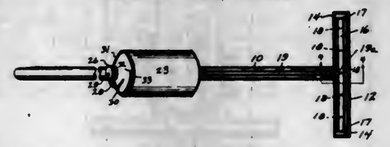
17. A process of preparing a catalyst which comprises precipitating basic copper and aluminum compounds from solution by the addition of a basic precipitating agent, removing water-soluble salts, and then heating the resultant material at a temperature above 750 degrees C. for a time sufficient to produce substantially acid-insoluble cocoa-colored product, and activating such product by treatment with hydrogen at temperatures of substantially 200 to 300 degrees C.

2,201,236

LIQUID WAX APPLICATOR

Orville L. Leopold, Sioux City, Iowa, assignor of one-half to Walter G. Murray, Sioux City, Iowa

Application June 25, 1938, Serial No. 215,846
2 Claims. (Cl. 91—39)



1. A liquid wax applicator comprising a handle, a can for containing liquid wax attached to the handle, a base applicator member attached to the handle, a felt pad inserted within said base applicator member, means communicating with said can and said felt member to cause passage of liquid wax by gravity to said felt member, including a pipe communicating from said can and to said base member, a further tube having a plurality of lower openings for allowing passage of liquid to said felt member communicating with said pipe, means attached to said communicating pipe to regulate flow of liquid therethrough, said can including an upper opening, a substantially annular tube communicating with said opening and formed peripherally along the upper boundary of said can, said tube having an opening communicating to the air substantially adjacent to said can opening.

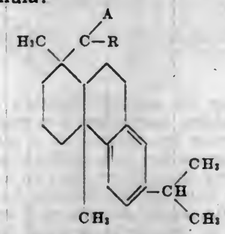
2,201,237

COMPOSITION OF MATTER AND METHOD OF PRODUCING

Edwin R. Littmann, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 24, 1938, Serial No. 226,573
6 Claims. (Cl. 260—97)

1. As new compositions, compounds derived from dehydroabietic acid having the following general formula:



wherein A is selected from the group consisting of O, S, H_2, NX; and R is selected from the group consisting of OH, SH, $O.SO_3H$, $O.SO_3$ metal, O-metal, O-nitrogenous base, halogen, OX, SX, NH_2, NHX, NX_2, in which X is a monovalent organic radical.

2,201,238

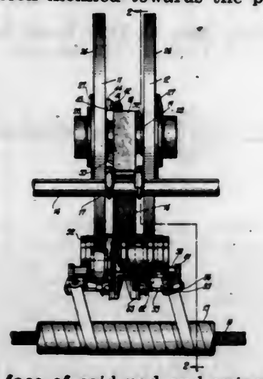
TAPING MECHANISM

Lester R. MacLeod, Ardsley, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application May 17, 1939, Serial No. 274,093
14 Claims. (Cl. 57—15)

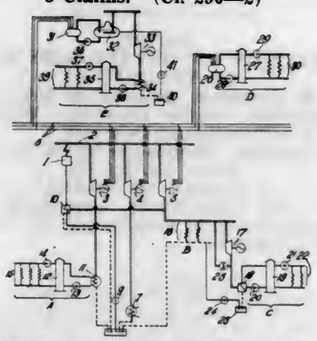
1. Tensioning mechanism which comprises means to support a pad of strip material to ro-

tate as said material is unwound, a non-rotating friction block extending in a radial direction adjacent one face of said pad, a supporting arm to hold said block inclined towards the peripheral



edge of the face of said pad and swinging in a plane intersecting the radial dimension of said block, and means to press said arm resiliently towards said pad.

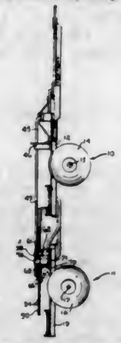
2,201,239
DISTRICT HEATING PLANT
Abraham Elia Margolis, London, England
Application December 17, 1938, Serial No. 246,505
In Great Britain December 17, 1937
3 Claims. (Cl. 290—2)



1. A system of district heating with power generation which comprises the steps of generating electricity by means of a back pressure set in a power station at a substantially constant load, supplying the exhust heat to a certain district suitably situated for exhaust heat supply in relation to the power station and equalizing the fluctuations of the heating load by means of exhaust heat storage, transmitting the surplus of electric energy generated by said back pressure set to a district unsuitable for exhaust heat supply, thermally storing in said district unsuitable for exhaust heat supply the electric energy so transmitted and supplying the heat stored in and to said district unsuitable for exhaust heat supply.

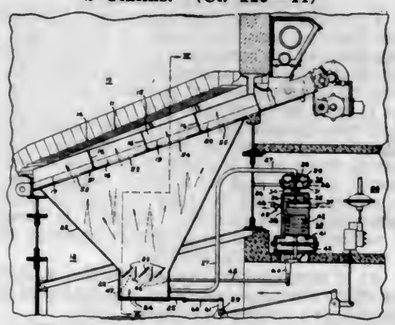
2,201,240
OFFSET DISK HARROW
Rollie H. Mitchell, Huntington Park, Calif., assignor to Killefer Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application November 7, 1938, Serial No. 239,200
20 Claims. (Cl. 55—83)

1. An implement of the class described comprising a front gang, a rear gang, means connecting said gangs together providing for horizontal angling movement, a primary hitch member pivotally connected to said front gang and swingable relative thereto, draft means pivotally connected to said hitch member, a secondary hitch member connected to said draft means in offset relation to said primary hitch member and to one of said gangs, an angling control bar con-



nected to said primary hitch member at a point offset from its pivotal connection with said front gang, latch means interconnecting said gangs for determining the operating angle therebetween, an actuating member for unlocking said latch means, and means connecting said angling control bar with said actuating member, to unlock said latch when the implement is drawn around a turn in one direction to permit the gangs to swing out of said operating angle.

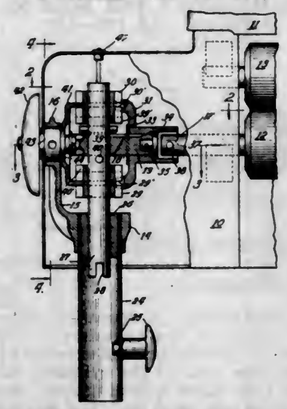
2,201,241
COMBUSTION APPARATUS
Donald J. Mosshart, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 31, 1937, Serial No. 182,650
2 Claims. (Cl. 110—44)



1. The combination with an underfeed stoker having alternately arranged retorts and tuyère rows and a plenum chamber supplied with air under suitable pressure arranged therebelow, of means for supplying air from the plenum chamber to the tuyère rows and comprising partitions cooperating with retort side walls to provide a series of air compartments underneath each tuyère row, ducts for supplying air from the plenum chamber to the compartments of the tuyère rows, there being one duct for each tuyère row and each duct being arranged to discharge air for flow in parallel through the compartments

of its associated tuyère row to the tuyères thereof, and means providing distributing orifices between each duct and the compartments of the tuyère row supplied thereby; adjustable damper means in each duct; means providing an orifice for each duct for supplying air thereinto from the plenum chamber for flow through the damper means; means for adjusting the flow area of the orifice means so that, for a given plenum chamber pressure, air may be supplied to the stoker suitably to the demand; a differential pressure device for each duct and including chambers and a member associated therewith and movable in response to pressures supplied thereto, a first conduit connecting the plenum chamber and one of said chambers, and a second conduit connecting the space of said inlet portion of the duct between the damper means and the orifice with the other chamber; a motor device for each differential pressure device and including an operated element and means under control of said movable member to supply motive fluid to the motor device so that the operated element of the latter is positioned in predetermined relation with respect to the associated movable member; and means for transmitting motion from each operated element to the damper means of the corresponding duct to open and close such damper means.

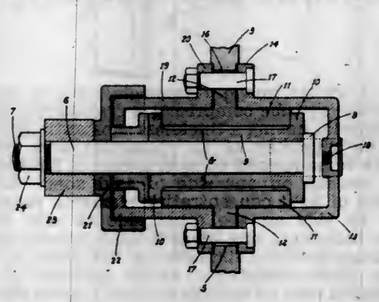
2,201,242
WRINGER GEAR HEAD STRUCTURE
Julian L. Perkins, West Springfield, Mass.
Application August 3, 1939, Serial No. 288,099
3 Claims. (Cl. 74—387)



1. In a washing machine wringer gear head, including a set of drive gears for transmitting rotating movement from a vertical drive shaft to a horizontal wringer roll, an open frame, said frame consisting of a base providing means to support a pivot tube for swinging the wringer gear head and attached wringer to various wringing positions, an upright L-shaped supporting section of the frame, a horizontal L-shaped section attached to said vertical section, and means incorporated in said frame to mount said gears in accurate working relationship, said last-named means including a trunnion shaft for journaling the horizontal drive gear.

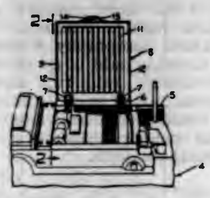
2,201,243
WHEEL BEARING FOR PLOWS
Lyman G. Perkins, Fresno, Calif.
Application May 9, 1938, Serial No. 206,813
7 Claims. (Cl. 308—19)

3. A wheel and bearing structure comprising a wheel having a disc-like hub provided with a central opening, a bearing unit longer than the thickness of the disc removably projecting through the opening, means between the hub and unit preventing relative rotation of the hub and unit, an axle for the wheel having a head on one end, a bearing sleeve slidable on the axle and engaged at one end against the head, said sleeve being engaged by the bearing unit and having end flanges preventing relative axial movement of the bearing unit and sleeve, a standard through which the end of the axle op-



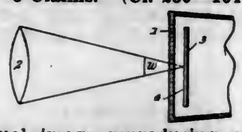
posite the head slidably projects, a collar slidable on the axle between the standard and the adjacent end of the sleeve, housings secured on and projecting from opposite sides of the hub and enclosing the bearing unit and sleeve, one housing terminating short of the outer end of the collar in closely surrounding relation thereto, a dust cap slidably mounted on the axle between the collar and standard and overlapping the adjacent end portion of said one housing, and means to draw the axle through the standard whereby to pull the axle head, sleeve, collar, cap, and standard into close contact with each other.

2,201,244
SAFETY GUARD
Edward Louis Root, East Orange, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
Application May 26, 1937, Serial No. 144,793
2 Claims. (Cl. 18—16)



1. In a molding machine, relatively movable dies, a guard positioned over said dies and mounted for vertical movement independently of said dies for preventing access to said dies, a source of power connected to said dies for moving at least one of said dies toward and away from the other of said dies and relative to said guard when the guard is in lowered position, means for controlling the source of power for determining the movement of said movable die, and means on said guard, operating when the guard is manually raised, for operating said controlling means to arrest the movement of the movable die toward the other die and to cause said movable die to return to open position.

2,201,245
CATHODE RAY PROJECTION TUBE
Ernst Ruska and Wilhelm Reichel, Berlin-Zehlendorf, and Rolf Colberg, Berlin-Dahlem, Germany, assignors to the firm Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany
Application October 22, 1937, Serial No. 170,458
In Germany November 17, 1936
6 Claims. (Cl. 250—164)



1. A visual image reproducing screen for a cathode ray tube comprising a transparent sheet of material having a thickness substantially equal to the diameter of an elemental area of an image to be formed on said screen, a light emissive coating on one side of said sheet, and a system of light concentrating elements arranged side by side on the other side of said sheet, each individual one of said light concentrating elements having a diameter in the plane of said sheet substantially equal to the diameter of said elemental area of the image to be formed on said screen.

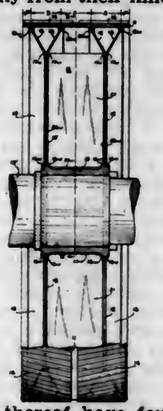
2,201,246
MISSILE
Kenneth A. Sells, Kansas City, Kans.
Application December 2, 1938, Serial No. 243,551
1 Claim. (Cl. 273—106)



In a device of the character described, a body member having a series of sockets in one end thereof and having an elastic rim extending from the body member in surrounding relation to said sockets and in a continuation of the plane of the outer surface of the body member, and feathers mounted in said sockets resiliently engaged by said rim to allow temporary blooming of the feathers upon striking said body member with an impelling instrument, said rim having grooves forming continuations of said sockets seating and acting on said feathers above the portions thereof engaged by said sockets to normally maintain the feathers in nested relation.

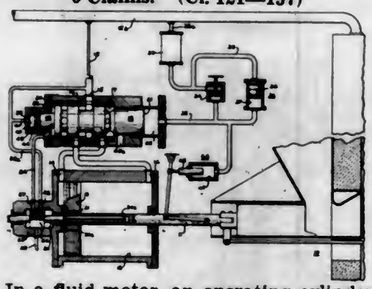
2,201,247
REDUCTION GEAR
Ira Short, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1938, Serial No. 245,486
6 Claims. (Cl. 74—449)

1. In a gear, a spindle element, a rim having peripheral teeth, and a web construction joining the spindle element to the rim; said web construction comprising a pair of spaced, parallel, circular inner plates and pairs of conical outer plates joined, respectively, to the peripheries of the inner plates and to the inner surface of the rim, the plates of the respective outer pairs diverging outwardly from their inner plates so that



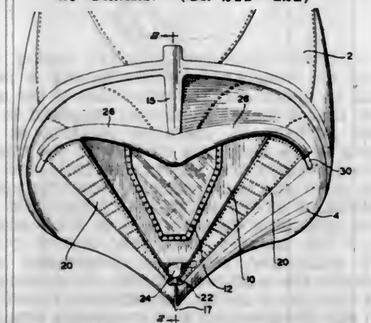
the peripheries thereof have four spaced zones of circumferential attachment to the rim.

2,201,248
RECIPROCATING FLUID MOTOR APPARATUS
Earll R. Stone, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 9, 1938, Serial No. 244,777
6 Claims. (Cl. 121—157)



1. In a fluid motor, an operating cylinder; an operating piston in the cylinder; a slide valve controlling the admission and exhaust of motive fluid to opposite ends of the cylinder; means for moving the slide valve including first, second and third piston areas; said first and second piston areas being so disposed that the effects of pressures applied thereto are exerted on the slide valve in opposite directions and the effect of pressure applied to the third piston area is exerted on the slide valve in the same direction as the effect thereon of pressure applied to the first piston area; means providing first, second, and third chambers for the first, second, and third piston areas, respectively; means including a first passage for supplying fluid under pressure to the first chamber; an exhaust connection; a pilot valve movable by said operating piston as stroke ends of the latter are approached; said pilot valve placing the first chamber in communication with the first passage at one stroke end of the operating piston and placing such chamber in communication with the exhaust connection at the other stroke end thereof; a second passage for supplying fluid under pressure to or from the second chamber; means providing an orifice in the second passage; means for continuously supplying fluid under pressure to the third chamber; said piston areas and fluid pressures being so related that, when fluid under pressure is supplied to the first chamber, said means having the piston areas is moved, fluid under pressure being expelled from the second chamber through the second passage and its orifice, to move the slide valve to establish motive fluid connections for a working stroke of the operating piston in one direction, and, when the first chamber is placed in communication with the exhaust connection, said means provided with the piston areas is moved, due to flow of fluid under pressure through the second passage and its orifice to the second chamber, to move the slide valve to establish motive fluid connections for a working stroke of the operating piston in the other direction; and means responsive to the joint effect of operating piston movement and of fluid pressure applied to the third piston area for moving the slide valve to restrict the admission of motive fluid to the operating cylinder during working strokes of the operating piston to limit the velocity of the latter.

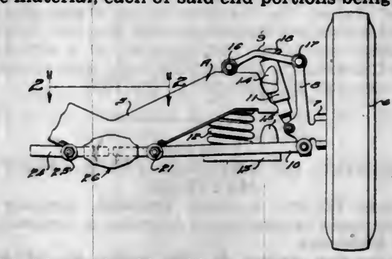
2,201,249
AIRCRAFT CONSTRUCTION
Owen E. Tormollan, Jr., Baltimore, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application April 26, 1939, Serial No. 270,075
10 Claims. (Cl. 244—121)



1. In a flying boat hull having a prow, a plane wall forming a part of the front of said hull, a plane bomb sight window located in said wall, said hull above said wall extending forwardly thereof to the prow, and doors mounted for movement from positions against the side of said hull to positions in front of said plane wall, said doors in said second position forming substantially a continuation of the stream-lined outline of the hull and meeting along a line which is substantially a continuation of the prow.

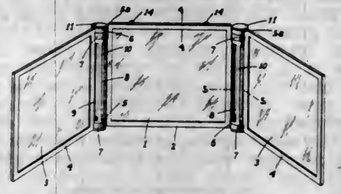
2,201,250
MOTOR VEHICLE
Chester C. Utz, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 29, 1937, Serial No. 176,942
2 Claims. (Cl. 267—11)

1. In a motor vehicle including a supporting structure and a pair of oppositely disposed road wheels, means for supporting each of said wheels for independent rising and falling movement relative to said supporting structure, each of said supporting means including a rigid lever arm pivotally connected to said supporting structure, said arms having adjacently disposed end portions projecting laterally from the respective points of said pivotal connections, and an operating connection for said arms including a body of rubber-like material, each of said end portions being em-



bedded in said rubber-like material and engaged thereby, said end portions being spaced longitudinally of said arms one from the other and the said rubber-like material extending into the space between said end portions.

2,201,251
PORTABLE MAKE-UP MIRROR
Edith Van Patten, Stockton, Calif.
Application March 22, 1938, Serial No. 197,381
5 Claims. (Cl. 240—4.2)



1. A mirror assembly comprising a central mirror and wing mirrors separate therefrom; cylindrical windowed lamp enclosing housings at the sides of the central mirror, said housings comprising main central members secured on the side edges of and shorter than the central mirror and disposed symmetrical relative to the top and bottom thereof, sleeves fitted in the ends of the central member of each housing and projecting therefrom whereby to leave portions of reduced diameter exposed beyond the central member, enlarged flanges on the outer ends of the sleeves, and circular bands projecting from the side edges of the wing mirrors and turnably engaging said exposed reduced diameter portions of the sleeves.

2,201,252
MOTOR VEHICLE
Cornelius W. Van Ranst, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Original application July 21, 1934, Serial No. 736,292. Divided and this application August 17, 1938, Serial No. 225,409
5 Claims. (Cl. 98—2)



1. A vehicle body comprising a frame having top cross braces, a roof fixed on the cross braces having a reversely bent apertured rear end and a rear panel fixed on the frame and extending forwardly in spaced relation beneath the roof,

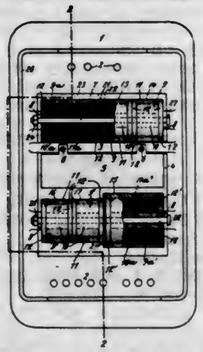
said forwardly extending portion of said rear panel having an air passage therethrough communicating with the interior of the body and having its front end fixed to one of the frame cross braces, the rearmost cross brace of said frame structure associated with the roof having openings extending therethrough in a direction longitudinally of the vehicle body and adjacent the openings in rear end of the roof.

2,201,253
MAKING OF ARTICLES FROM SHEET MATERIAL
William Walker, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application August 3, 1938, Serial No. 222,833
In Great Britain August 14, 1937
5 Claims. (Cl. 18—59)



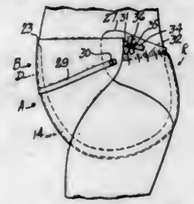
1. Method of producing an article composed of artificial sheet material and having portions of its area reinforced by a textile fabric, which comprises first applying a protective coating to a textile fabric of at least the area of the article to be made, the protective coating being provided on the greater part of the surface of the textile fabric, leaving uncoated only those portions where it is desired to reinforce the artificial sheet material, then depositing a coating of artificial sheet material of uniform thickness upon the whole surface of the fabric and stripping from the assembly the portion or portions of the fabric provided with the protective coating.

2,201,254
ELECTRIC SEPARATING FILTER
Walter Will, Berlin-Charlottenburg, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application November 2, 1937, Serial No. 172,353
In Germany November 3, 1936
1 Claim. (Cl. 178—44)



An electric separating filter of the type having a high-pass branch and a low-pass branch which comprises a plurality of high frequency inductances for said high-pass branch and a plurality of low frequency inductances for said low-pass branch, at least two of said inductances being mutually coupled together and at least two others of said inductances being substantially free from mutual coupling, a common shell-type core structure of high frequency iron linking through and surrounding said two mutually coupled inductances, individual shell-type core structures of high frequency iron linking through and surrounding each of said coupling-free inductances, a spindle passing through and supporting all said high frequency inductances, a second spindle passing through and supporting all said low frequency inductances, a plurality of condensers, a housing can containing all said condensers, electrical connections joining said inductances and said condensers to constitute a separating filter circuit, a base plate, and means for supporting said two spindles remote from one another on said base plate and for supporting said housing can on said base plate in an intermediate position between said high frequency and low frequency inductances.

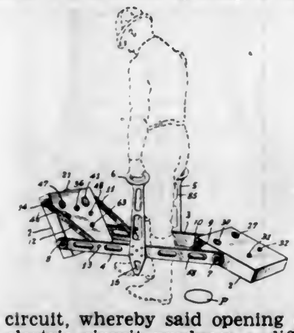
2,201,255
DISPOSABLE DIAPER HOLDER
Edward T. Wilson, Jr., Highland Park, N. J.
Application December 8, 1939, Serial No. 308,116
2 Claims. (Cl. 128—284)



1. A device including a diaper holder comprising an elongated member having a pocket having an opening at the inner face of the member so that a diaper removably disposed in said pocket is held in operative relation at said opening to the body of a child, with the member disposed between the legs of the child and providing front and back portions extending upward to terminate at the waist line of the child, said pocket extending substantially to the waist line ends of the member, said front portion providing a belly-band section of substantial width to overlie the abdomen of the child from the waist line to a point approximately half way down the abdomen, an elastic element connected to the rear portion in gathered relation of the latter along the waist line thereof and being elastically operative from side to side of said rear portion, detachable fastening means interconnecting the ends of said elastic element with the ends of the belly-band section at the lower edge of the latter, and fastening means interconnecting the ends of the belly-band section at the waist line thereof with the elastic element at points therealong spaced inward of the ends of the elastic element, whereby said belly-band section tensioningly engages over the adjacent end of the diaper to support the same with the elastic tension at the front being greater at the waist line than at a point approximately half way down the abdomen.

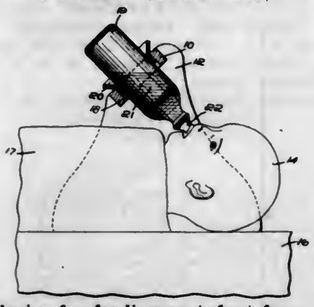
2,201,256
ELECTRICAL APPARATUS AND METHOD FOR LOCATING MINERALS
William M. Barret, Shreveport, La., assignor to Engineering Research Corporation, Shreveport, La.
Application January 31, 1938, Serial No. 187,788
11 Claims. (Cl. 175—182)

2. In an electromagnetic means for prospecting, an apparatus comprising a generator of electromagnetic waves combined with a receiver of electromagnetic waves, a device comprising an electric circuit in combination with said generator-receiver, a means for opening or closing said



electric circuit, whereby said opening or closing of said electric circuit produces a difference in reading of said receiver which is used as a measure of the sensitivity of said generator-receiver.

2,201,257
NURSING BOTTLE SUPPORT
Charles Cox Bell, Marblehead, Mass.
Application February 3, 1939, Serial No. 254,468
5 Claims. (Cl. 248—105)



4. A device for feeding an infant from a bottle which comprises a bar, means for supporting the bar above and across the body of an infant, said bar having an aperture, and a flexible resilient member adapted to maintain a nursing bottle in said aperture in correct nursing position.

2,201,258
EXTREME PRESSURE LUBRICANT
Warren F. Busse, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 11, 1936, Serial No. 95,431
11 Claims. (Cl. 87—9)

1. A composition comprising an oleaginous lubricant and about 1 to 5% of an oil-soluble compound containing at least one carbon atom attached directly to both nitrogen and sulfur.

2,201,259
FRACTIONATION OF CHLORINATED KETONES BY STEAM DISTILLATION
Albert E. Calkins, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 30, 1937, Serial No. 182,518
4 Claims. (Cl. 202—46)

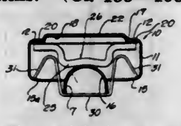
1. The method of separating a mixture of monochloro- and polychloro-2-butanones which comprises injecting steam from an outside source into the mixture and collecting the distillate until substantially all of the monochlorinated product has distilled.

2,201,260
SHOE POLISHING KIT
William L. Connor, Los Angeles, Calif.
Application November 5, 1935, Serial No. 48,324
13 Claims. (Cl. 15—258)



1. In a kit of the character described, having a body portion, the combination of a recess extending longitudinally into the body portion from one end thereof adapted to receive a collapsible tube that has a cylindrical body and a flattened end, by the progressive extension of which flat character fluent material is dispensed from the tube, said recess having two diametrically opposed arcuate surfaces positioned to conform to diametrically opposed surfaces of the cylindrical portion of the tube and having two diametrically opposed grooves to receive the longitudinal edges of the flattened portion of the tube.

2,201,261
ARM REST
Elmer E. Frey, Los Angeles, Calif., assignor to Kittle Manufacturing Co., Los Angeles, Calif., a corporation of California
Application August 1, 1938, Serial No. 222,430
10 Claims. (Cl. 155—198)



1. In combination with the arm of a chair or the like, an arm rest comprising a casing resting against the top of the arm and having inwardly extending, oppositely disposed flanges at its bottom and a spring clip engaging the bottom surface of the arm, said clip having terminal portions engaging said respective flanges to clamp the arm rest against the arm.

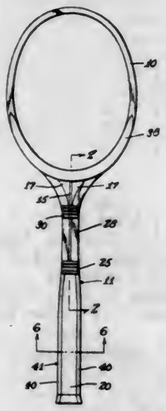
2,201,262
PROCESS FOR TREATING COTTON MATERIALS
William H. Furness, Riverton, N. J., assignor to American Rayon Company, Inc., Riverton, N. J., a corporation of New Jersey
Application December 9, 1936, Serial No. 115,052
4 Claims. (Cl. 8—123)



1. A process for treating cotton materials which comprises subjecting the same to a copper sul-

phate, ammonia and caustic soda solution made up in the following proportions: $CuSO_4:5H_2O$, 75.6 grams per liter; NH_3, 132 grams per liter; NaOH (pure), 24.21 grams per liter; and water to make one liter; said solution being diluted with water in an amount constituting from approximately 72% to 65% of the final solution; the cotton material being subjected to the said solution for a period long enough to ensure substantially complete penetration of the fibers so as to remove incrustations and striations, while leaving the alpha cellulose substantially unaffected; and then in subjecting the treated material to acid and water washes and drying.

2,201,263
PLAYING RACKET
Horace W. Hall, Newton, Mass.
Application July 28, 1938, Serial No. 221,787
8 Claims. (Cl. 273—73)

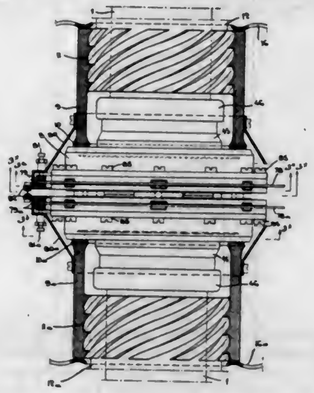


1. A playing racket having a bow head, throat and handle, a cover piece on the face of said handle extending towards said throat and terminating at a point spaced from said throat, a wooden reinforcing plate on the face of said handle immediately beyond said cover piece and spaced from said throat a distance greater than the width of said plate, the grain of said plate running substantially across said handle.

5. A playing racket having a handle gripping portion having two front face surfaces and two side surfaces at right angles thereto, and four surfaces extending diagonally between said face surfaces and said side surfaces, said diagonal surfaces being greater in width than said side surfaces.

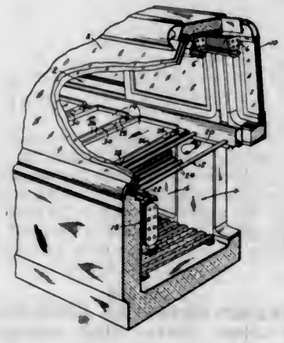
2,201,264
TRANSMISSION
Oscar Hansson, Askim, Sweden, assignor to Aktiebolaget Motorus, Goteborg, Sweden
Application December 10, 1936, Serial No. 115,247
In Sweden December 10, 1935
10 Claims. (Cl. 74—126)

1. In combination, an oscillating driving clutch member, driven clutch members adapted to cooperate with the driving clutch member, means to intermittently and alternately engage the driven clutch members with the driving clutch member in dependence on the oscillating movement of the driving clutch member, and fluid pressure means to intermittently disengage the



driven clutch members from the driving clutch member.

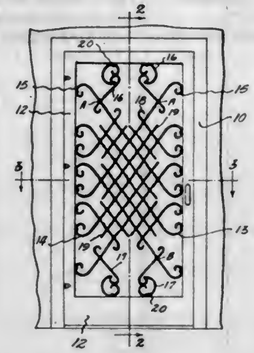
2,201,265
REFRIGERATED CASE AND PLATTER CONSTRUCTION
Joseph Stuart Hill, Ewing Township, Mercer County, N. J., assignor to C. V. Hill and Company, Incorporated, Trenton, N. J., a corporation of New Jersey
Application June 17, 1938, Serial No. 214,376
3 Claims. (Cl. 62—89.5)



1. A refrigerated display case having in combination an upper display compartment, a second compartment below said display compartment and communicating therewith, means for cooling air and causing circulation of air within said case, means for supporting articles in position to be cooled by the circulating air, said means including a shelf structure, a set of platters thereon and means for maintaining said platters in spaced apart relation on said shelf structure.

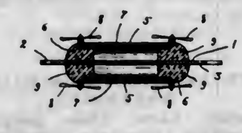
2,201,266
GRILLE
Robert H. Hutchinson, Dallas, Tex.
Application November 29, 1938, Serial No. 242,954
2 Claims. (Cl. 20—71)

1. A latticed grille comprising two sets of major bars pivotally intercrossing each other, minor bars pivotally connected to the longitudinal ends of said major bars by only a single pivot to effect



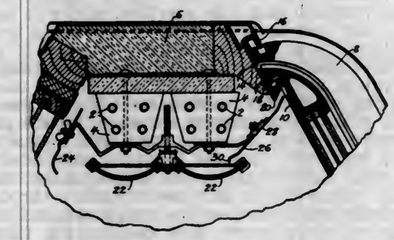
vertical adjustment of said grille independent of any horizontal adjustment thereof.

2,201,267
FISH LURE
Axel B. Jacobson, Two Harbors, Minn.
Application March 23, 1939, Serial No. 263,731
1 Claim. (Cl. 43—46)



A hook-equipped fish lure comprising in combination a relatively thin central supporting member simulating a creature, said member having means for the attachment of a fishing line, laterally extending members upon either side of said central member simulating the body portion of said creature and defining air chambers upon either side of said central member, and rockable and freely rotatable propeller-like blades externally of each of said laterally extending members.

2,201,268
REFRIGERATED CASE
Malcolm D. MacMaster, Yardley, Pa., assignor to C. V. Hill & Company, Inc., a corporation of New Jersey
Application March 23, 1939, Serial No. 263,641
5 Claims. (Cl. 62—103)



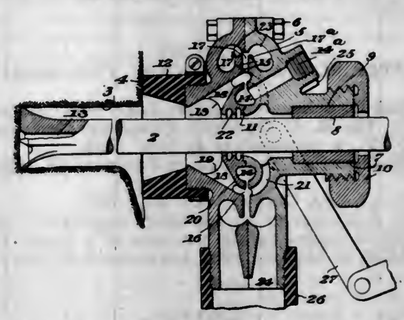
1. In a refrigerated display case having a cooling coil located in the upper portion thereof, the combination of a door permitting access to the space within the case and a frame engageable by said door, the upper portion of said frame being located adjacent said cooling coil and a baffle located adjacent said coil and beneath the edge of said portion of said frame in position to receive moisture dripping from said upper portion of said frame.

2,201,269
KNITTED FABRIC
Jack Markowitz, Brooklyn, N. Y., assignor to Pennant Knitting Mills, Inc., Brooklyn, N. Y.
Application March 19, 1940, Serial No. 324,801
3 Claims. (Cl. 66—190)



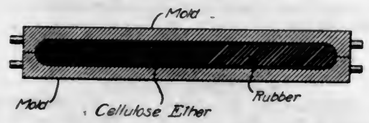
1. A puckered fabric comprising a basic knit portion with spaced vertical folds and an elastic portion incorporated in said basic portion, the elastic portion containing an elastic strand disposed along a course extending transversely with respect to the wales of the fabric, said strand extending straight across and being tied in between forwardly and rearwardly disposed knit loops in predetermined wales so that upon a stretching of the elastic strand the knit loops will be correspondingly moved with it, certain of said knit loops tying in the elastic strand constituting a course of yarn structurally stronger than the yarn in the basic knit portion.

2,201,270
APPARATUS FOR ALLAYING DUST FROM ROCK DRILLS
John Taylor McIntyre, Johannesburg, Transvaal, Union of South Africa
Application April 10, 1937, Serial No. 136,203
In the Union of South Africa April 17, 1936
10 Claims. (Cl. 255—50)



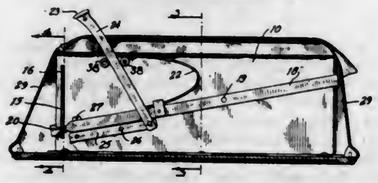
3. A dust collector including an annular ejector providing an outwardly directed annular nozzle and an annular throat into which the nozzle delivers, and, around the throat, an annular collecting passage the cross section of which is that of two intersecting circles, the throat being arranged to deliver at the common tangent of said circles.

2,201,271
MOLD LUBRICANT
Edward G. Partridge, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 24, 1938, Serial No. 215,601
4 Claims. (Cl. 18—47)



1. The method of preventing the adhesion of rubber to a mold during a heat-molding process which comprises interposing between the rubber and the mold a film comprising a cellulose ether.

2,201,272
SHIPPING TAG DISPENSER
Herbert A. Salzbrenner, Denver, Colo.
Application May 23, 1938, Serial No. 209,550
10 Claims. (Cl. 312—56)



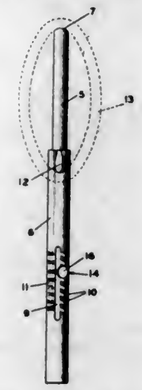
1. A card dispenser comprising: a casing for receiving a pile of cards; a compression spring in said casing; a press plate actuated by said spring to force said pile toward one extremity of said casing; a lifting plate extending across the extremity of said casing against which the end-most card is pressed by said spring; means on said lifting plate for engaging said end-most card; actuating levers operatively connected at their one extremities to each extremity of said lifting plate; means for pivoting said levers intermediate their extremities, and a manually actuated press bar connected with the other extremities of said levers to move said lifting plate upwardly across said pile to lift the end-most card therefrom as said press bar is pressed downwardly.

2,201,273
DISPERSION AND PROCESS FOR MAKING THE SAME
Frank K. Schoenfeld, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application February 10, 1938, Serial No. 189,837
4 Claims. (Cl. 260—763)

1. A process which comprises dispersing a pigment in rubber in the presence of a minor proportion of heat-liquefied oxygenated rubber.

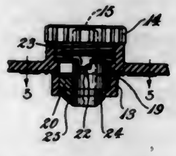
2,201,274
GYNECOLOGIC INSTRUMENT
David Evans Singer, New York, N. Y., assignor to Holland-Rantos Company, Inc., New York, N. Y., a corporation of New York
Application January 28, 1939, Serial No. 253,311
1 Claim. (Cl. 128—127)

A gynecologic instrument comprising a tubular handle, a rod movable longitudinally and oscillatably within the handle and having an outer extremity projecting beyond the handle, means for sustaining a resilient diaphragm between adjacent terminals of the handle and rod, said handle having a slot and a notch communicating with said slot, and said rod carrying a detent



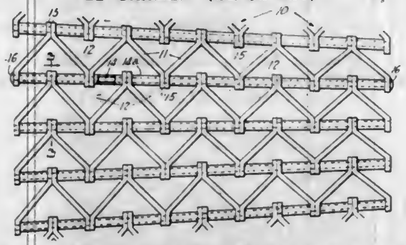
which is movable out of the slot into the notch to sustain the diaphragm in distended position, the depth of the notch being such as to permit sufficient angular movement between the handle and the rod to induce disengagement of the diaphragm upon moving the detent from the notch into the slot.

2,201,275
COVER ASSEMBLY FOR STORAGE BATTERIES
Frank Slusher, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 27, 1938, Serial No. 204,614
2 Claims. (Cl. 136—178)



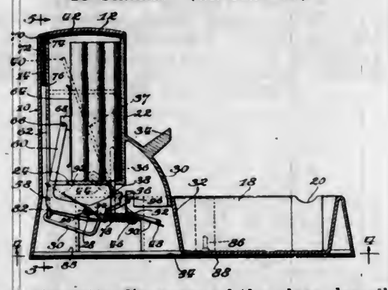
2. A cell cover assembly comprising a cell cover provided with a vent and filler well extending below the cover to contact with an electrolyte and having a side aperture below the cover communicating with the space above the electrolyte and an apertured bottom presenting a downwardly facing surface, a ring-shaped valve member rotatable in said vent well to control flow of gas through said side aperture, said well having a seat therein for said valve member, a vented closure plug adapted to close the top of the vent and filler well by compound rotary and linear movement, said plug and said valve having interengaging means for rotating the valve by means of the plug and permitting movement of the plug toward and away from the valve, and means integral with said valve for retaining said valve in said well against accidental displacement, said means comprising a portion extending through the apertured bottom of the well and a resilient flange engaging below said downwardly facing annular surface of said well upon insertion of the flange through the aperture.

2,201,276
FILLER FOR PULP REFINING ENGINES
Charles J. Steinbarger, Dayton, Ohio, assignor to Simonds Worden White Company, Dayton, Ohio, a corporation of Ohio
Application August 8, 1939, Serial No. 289,001
11 Claims. (Cl. 92—27)



1. In a filler for a pulp refining engine, a plurality of stuff reducing members extending lengthwise of said filler and spaced laterally one from the other, each reducing member having adjacent longitudinal portions inclined laterally in opposite directions and arranged to form tortuous passageways between adjacent members, and connecting members extending lengthwise of said filler and attached to the adjacent reducing members to connect the latter one to the other.

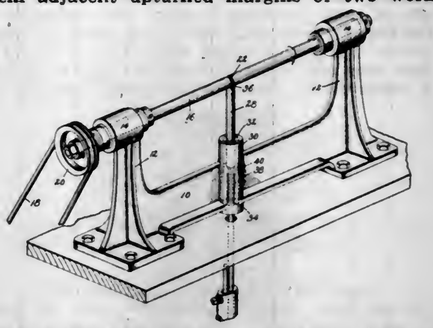
2,201,277
CIGARETTE DISPENSER
John B. Whitted, Glencoe, Ill.
Application August 28, 1937, Serial No. 161,381
13 Claims. (Cl. 312—77)



1. A cigarette dispenser of the class described, comprising a housing, a container pivotally mounted in said housing, said container adapted to hold a plurality of cigarettes in substantially vertical position, means for urging said cigarettes against one wall of said container, means reciprocable in said container adjacent said wall to elevate cigarettes adjacent said wall, and means operated by tilting movement of said container for reciprocating said elevating means.

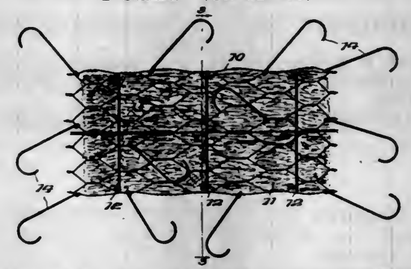
2,201,278
MACHINE FOR OPERATING UPON SHEET MATERIAL
Maurice D. Williams, Nelsonville, Ohio, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 9, 1939, Serial No. 249,888
10 Claims. (Cl. 12—51)

1. In a machine for operating upon sheet material, work engaging means having two work engaging faces arranged to form a V groove and to rotate about a common axis, said faces being constructed and arranged to receive between them adjacent upturned margins of two work



pieces and a freely rotating member for holding the work pieces against the work engaging means.

2,201,279
MEANS FOR PREVENTING SOIL EROSION
Mark S. Willing, Mount Holly, Va., assignor of two and one-half per cent to Chester L. Davis, Washington, D. C., and thirty-three and one-third per cent to Harold J. Neale, Richmond, Va.
Application February 4, 1938, Serial No. 188,791
1 Claim. (Cl. 61—35)

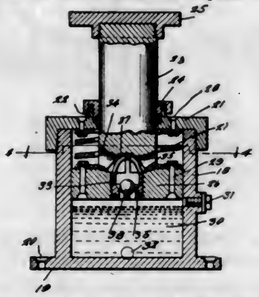


Means for preventing soil erosion by flowing water, said means consisting of a flexible container of mesh material, distortable filler material combined with readily germinating seeds within said container for augmenting the accumulation of earthy matter therein and facilitating conformation of the mass to the contour of the earth to be protected, said filler material having an appreciably lighter weight than rocks.

2,201,280
SEAT RECOIL CHECK
Edmond N. Yantes, Melbourne, Fla.
Application June 10, 1938, Serial No. 213,021
1 Claim. (Cl. 267—8)

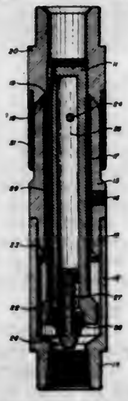
A seat recoil check comprising a cylinder fully open at its upper end, means for securing said cylinder on a vehicle, a cap removably mounted on the upper end of the cylinder, a stem slidable in said cap, a packing gland for the stem and carried by the cap, detachable means on the stem for securing the latter on a seat frame, a piston formed on the stem and operating in the cylinder, means for permitting liquid to be placed in the cylinder below the piston to a selected level, a coil spring secured on the cap and on the piston for yieldably supporting the latter normally in a position slightly above the surface of the liquid, said piston having a bore extending therethrough and into the stem and opening outward-

ly through opposite sides of the stem for connecting the upper and lower portions of the cylinder, a cage including a valve seat threaded in the bore and removable therefrom from the lower side of the piston, a ball type valve mounted in said cage and coacting with the seat to permit a substantially free flow of liquid through the



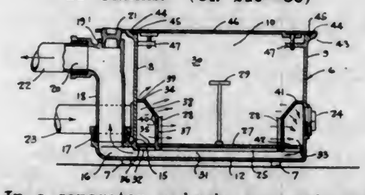
bore of the piston from the lower portion of the cylinder to the upper portion of said cylinder during the downward movement of the piston and to retard the flow of the liquid from the upper portion of the cylinder to the lower portion of said cylinder during the upward movement of the piston for checking the rebound of the spring.

2,201,281
EQUALIZING VALVE ARRANGEMENT FOR PACKERS
Harry B. Ziegler, Odessa, Tex., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application June 7, 1938, Serial No. 212,265
4 Claims. (Cl. 166—1)



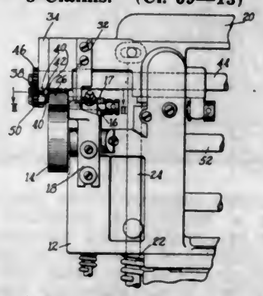
1. An arrangement adapted for use in connection with a packer for oil wells or the like comprising an inner conduit member and an outer conduit member telescoped together, said members having a valve arrangement associated therewith for controlling the flow of fluid around or through the telescoped portions of said members, said arrangement including an equalizing valve operated by relative movement between said members and adapted to close when said members are fully telescoped and open when said members are extended, a pump out valve also operated by relative movement between said members and adapted to close when said members are extended and open when said members are fully telescoped, said members having a passageway therein for conveying fluid from the exterior to the interior of said members when the same are extended to open the equalizing valve and close the pump out valve and a check valve in said passageway for limiting the flow of fluid therein to the direction aforesaid.

2,201,282
SEPARATOR
Charles Arndt, Los Angeles, Calif.
Application January 19, 1937, Serial No. 121,299
11 Claims. (Cl. 210—56)



1. In a separator, a basin comprising a pair of side walls and two end walls and a bottom, said basin having an upwardly facing shoulder along opposite side walls, a false bottom of a width substantially equal to the width of said basin seated on said shoulders, forming a trap chamber and a sub-chamber above and below said false bottom respectively, said false bottom being of a length less than said bottom to form a passage connecting said trap chamber and said sub-chamber at one of the ends of said false bottom, and means to restrict said passage.

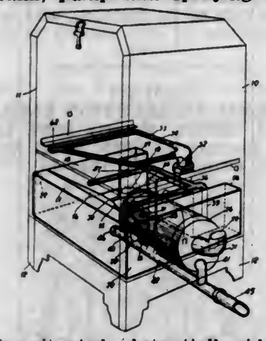
2,201,283
STOCK FITTING MACHINE
James M. Barber, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 1, 1938, Serial No. 243,419
8 Claims. (Cl. 69—13)



1. In a sole fitting machine having a displaceable head, a work support, a knife arranged to operate upon a work piece on the work support, and a driven feed wheel on said head arranged to feed the work on the work support past the knife, said feed wheel being tiltably mounted whereby it can accommodate itself to local variations of surface contour in the portion of the work passing beneath it.

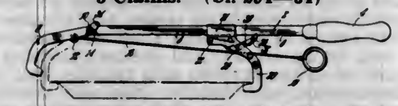
2,201,284
DISH-WASHING MACHINE
Tord Erik Daniel Bilde, Stockholm, Sweden, assignor to Bolinders Fabriks Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application November 24, 1937, Serial No. 176,383
In Sweden November 30, 1936
6 Claims. (Cl. 141—9)

5. In a dish-washing machine having in combination two spraying devices, one for washing liquids comprising a pump, a tank open at its top, a spraying device, and connections between said tank, pump and spraying device, and the other for rinsing liquid including a rinsing tank closed at its top, a rinsing pump, a rinsing spraying device and connections between said rinsing tank, pump and spraying device, said



tanks being situated substantially side by side but superposed in such a manner that the bottom wall of the washing tank forms the top wall of the rinsing tank, means to connect the suction side of each pump with an opening in the corresponding tank located at a place of the latter where the depth of the liquid is greatest, and a valve in each opening for controlling the flow of liquid between its associated tank and pump.

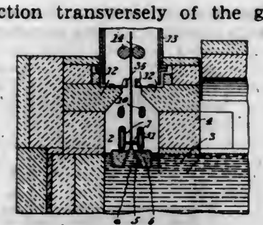
2,201,285
GRIPPING DEVICE
Felix Blackburn, Feeding Hills, Mass.
Application May 3, 1939, Serial No. 271,533
5 Claims. (Cl. 294—34)



1. A gripping device of the class described comprising in combination, an elongated support having a handle on its rear end, a unitary jaw member including a tubular body part which receives and is slidable on said support forwardly of said handle and a hook part which depends downwardly therefrom, another unitary jaw member including a body part which is pivoted to said support forwardly of the first-named jaw member and a hook part which depends downwardly therefrom, said hook parts being directed towards one another, and a rod extending below said support, the forward end part of said rod being attached to the second-named jaw member and the rear end thereof being disposed closely adjacent said handle but free of attachment therewith.

2,201,286
MANUFACTURE OF SHEET GLASS
Albert J. Bundy, Jeannette, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 4, 1938, Serial No. 205,941
5 Claims. (Cl. 49—83.1)

1. In the method of forming a glass sheet by continuous drawing from a bath of molten glass, the steps comprising forming the sheet by drawing it from the bath, and circulating a gas in contact with both faces of the glass sheet in the same direction transversely of the glass sheet



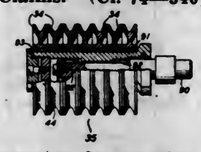
from one edge thereof substantially to the other edge thereof before the glass becomes set.

2,201,287
AUTOMATIC CHUCKING DEVICE
John R. Cox, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio
Application June 30, 1937, Serial No. 151,298
9 Claims. (Cl. 279—51)



2. An automatic chucking device comprising a rotatable collet, co-axially disposed manipulatable means for effecting engagement of the collet with the work, rotatable drive means arranged co-axially with respect to said manipulatable means, cam and clutch means actuated by said rotatable drive means for effecting operation of said manipulatable means and for effecting drive connection for the collet with said rotatable drive means.

2,201,288
APPARATUS FOR HANDLING STRANDS
Waldemar C. Ewaldson, Millington, and Heinz Kress, North Plainfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 3, 1938, Serial No. 228,353
2 Claims. (Cl. 74—340)

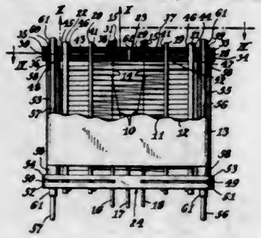


1. In an apparatus for treating strands with adhesive liquid materials, a device for guiding strands during such treatment, which device comprises as a unitary assembly a shaft, a sleeve rotatably journalled upon the shaft, and a plurality of peripherally grooved mutually independent strand guide sheaves mounted on the sleeve upon mutually independent bearings of like diameter to be rotatable thereon independently of each other.

2,201,289
INSULATOR FOR ELECTRON DISCHARGE DEVICES
John Glauber, West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 8, 1938, Serial No. 239,493
7 Claims. (Cl. 250—27.5)

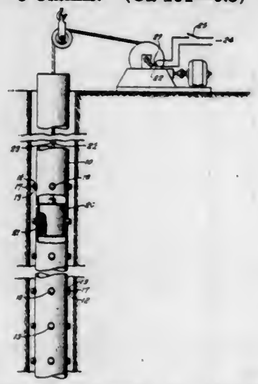
1. A discharge device comprising a plurality of

electrodes having standards, a support therefor, comprising an insulator having parallel extending



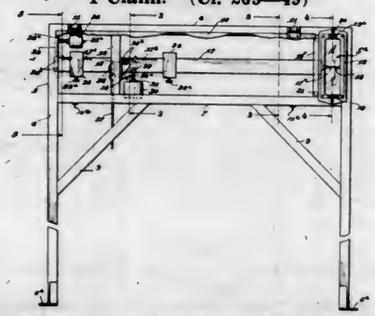
ledges and aligned openings for said standards in said ledges.

2,201,290
METHOD AND MEANS FOR PERFORATING WELL CASINGS
Haskell M. Greene, Whittier, Calif.
Application March 4, 1939, Serial No. 259,828
5 Claims. (Cl. 164—0.5)



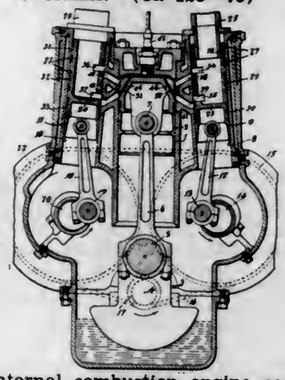
1. A well-casing having an explosive charge attached thereto which charge is adapted to be fired while attached to said well-casing.

2,201,291
BEAM SCALE
Joseph H. Gwynne, Camden, Ohio
Application June 2, 1937, Serial No. 146,061
1 Claim. (Cl. 265—49)



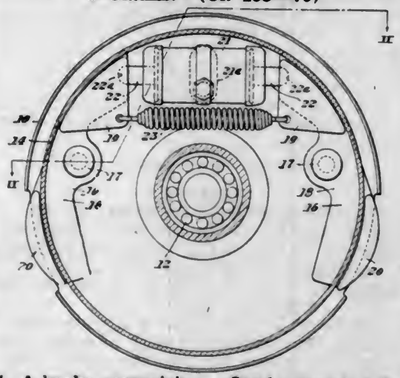
In a beam scale, a case, supporting standards therefor, a partition extending transversely of the case adjacent one end portion thereof, said partition being vertically slotted, a block secured to one face of said partition and slotted to correspond, a bearing bracket carried by said block at each side of the slot and extending in the direction of the farther end of the case, a scale beam fulcrumed in said bearing brackets and oscillatable vertically through said partition slot, a weight fixed on said beam between its fulcrum point and the end farthest therefrom, said weight being adjustable toward and away from said beam, load supporting means on the beam at the opposite side of its fulcrum, and a variable poise on said beam at each side of its fulcrum.

2,201,292
INTERNAL COMBUSTION ENGINE
Henri J. Hickey, Beverly Hills, Calif.
Application January 27, 1939, Serial No. 253,105
6 Claims. (Cl. 123—75)



1. An internal combustion engine comprising a working cylinder and working piston reciprocable therein, a chamber and a port communicating it with said cylinder, said port being so located as to be covered by said piston adjacent the compression end of its stroke, and uncovered by said piston as it recedes from the compression end of its stroke, and means including a passage extending through said cylinder wall for communicating said chamber with said cylinder during at least a portion of the time while said port is covered by said piston.

2,201,293
BRAKE
David Hoppenstand, Fox Chapel, Pa.
Application September 29, 1937, Serial No. 166,316
2 Claims. (Cl. 188—76)



1. A brake comprising a fixed support, a brake drum mounted for rotation adjacent said support, brake levers pivoted on said support adjacent said drum and on opposite sides of the axis of rotation thereof, shoes on said levers overlying the inner and outer surfaces of said drum, the shoes which overlie the inner surface of the drum being disposed adjacent each other, and extensible means disposed between and abutting both the last-mentioned shoes.

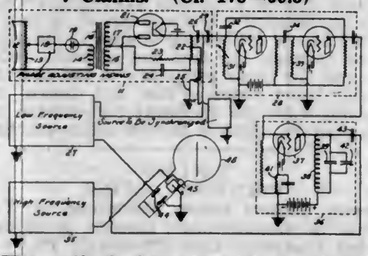
2,201,294
PHOTOFLASH LAMP
Raymond Le Roy Kreidler, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 23, 1937, Serial No. 165,348
4 Claims. (Cl. 67—31)



1. A photoflash lamp comprising a sealed container, an oxygenic atmosphere within said container, an oxidizable material in said container which is readily combustible with oxygen and comprising an alloy including magnesium and manganese, said alloy having a manganese content ranging from 0.5% to 10% with magnesium the major portion of the balance, and an igniter in said container for initiating combustion of said material.

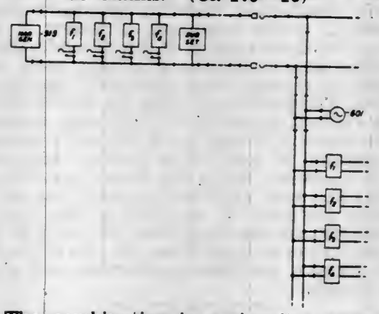
4. A photoflash lamp comprising a sealed container, an oxygenic atmosphere within said container, an oxidizable material in said container which is readily combustible with oxygen and comprising an alloy including magnesium, manganese and tin, said alloy having a manganese content ranging from 0.5% to 10% and a tin content ranging from 3% to 7% with the balance proportionately magnesium, and an igniter in said container for initiating combustion of said material.

2,201,295
SYSTEM OF TELEVISION SYNCHRONIZATION
Harry R. Lubcke, Los Angeles, Calif., assignor to Don Lee Broadcasting System, Los Angeles, Calif., a corporation of California
Application January 24, 1938, Serial No. 186,567
7 Claims. (Cl. 178—69.5)



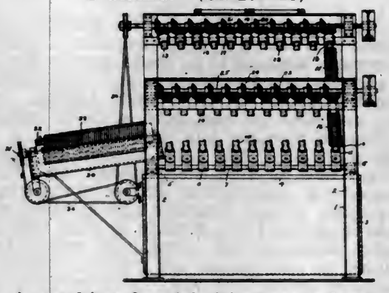
1. The method of synchronizing a plurality of scanning sources which are adapted to coact to scan a television field of view, with each other and with a source of reference frequency, said method consisting in; producing from said reference frequency a series of short rectangular impulses harmonically related to said frequency, and applying said impulses to a scanning source of said plurality of relatively low operating frequency; synchronizing a chain of oscillators of rectangular waveshape characteristics of progressively higher frequency, by impressing short rectangular pulses thereupon in turn, at an amplitude not greater than the amplitude of the oscillation occurring therein, thereby periodically adjusting the frequency of the next higher frequency oscillator; and impressing the output of last said oscillator upon a scanning source of said plurality and relatively high operating frequency.

2,201,296
TELEPHONE SYSTEM
Alexis A. Lundstrom, East Orange, and Edward L. Norton, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 18, 1938, Serial No. 235,548
13 Claims. (Cl. 179—16)



1. The combination in a signaling system of a line having a station thereon, a source of alternating current of a base frequency, means for connecting said source to said line to supply current thereto, a harmonic generator at said station responsive to current from said source to generate harmonics of the base frequency in said line circuit, means operated selectively upon the generation of certain of said harmonics in said line circuit, and means at said station for suppressing said certain harmonics in various combinations to effect the release of corresponding certain ones of said operated means.

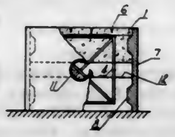
2,201,297
DEHAIRING MACHINE
Samuel J. Marquardt, Monroeville, Ind.
Application July 13, 1938, Serial No. 218,973
4 Claims. (Cl. 17—16)



1. A machine for dehairing an animal com-

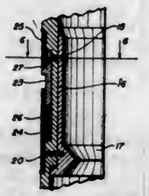
prising a plurality of revolubly mounted coiled resilient members adapted to conform to the contour of the surface to be dehaired and engage and remove the hairs therefrom, and means to rotate the members.

2,201,298
METHOD OF MAKING BUILDING BLOCKS
David Martin, Pittsburgh, Pa.
Original application November 13, 1936, Serial No. 110,679. Divided and this application July 19, 1938, Serial No. 219,996
1 Claim. (Cl. 25—155)



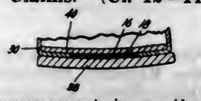
The method of making building block consisting of a pair of parallel slabs spaced apart and having reenforcing material integrally formed therewith, which comprises providing a mold having the inner surface of the sidewalls thereof provided with projecting ribs, said walls being hinged to render them separable, placing the mold on a surface constituting the matrix portion for a face of the block to be formed, pouring a plastic material in said mold, placing a reenforcing material in said plastic material and allowing it to project above the plastic material, inverting the mold after said material has set and pouring the other of said pair of blocks in the bottom thereof, then separating the mold by moving the frames on their hinge, the ribs of the mold walls forming peripheral grooves in each of said pair of slabs.

2,201,299
MULTIPLE STAGE CEMENTING
William D. Owsley and Robert L. Shook, Duncan, Okla., assignors to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application March 21, 1938, Serial No. 197,228
3 Claims. (Cl. 166—1)



1. Apparatus for use in the multiple stage cementing of casing in wells including a cylindrical member adapted to be made up with the casing and having ports therein, and longitudinally extending flutes on the outside thereof, there being one flute for each port, a sleeve mounted within said member and adapted when in one position to cover the ports therein to prevent outward flow of fluid therethrough, gate valves mounted for longitudinal sliding movement on the outside of said member and adapted when closed to prevent the passage of fluid into said member through said ports, said valves being mounted in said flutes, the external surface of said valves being flush with the external surface of said member above and below said flutes.

2,201,300
FLEXIBLE SHOE AND METHOD OF MAKING SAME
Walter W. Prue, Auburn, Maine, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 26, 1938, Serial No. 210,207
3 Claims. (Cl. 12—142)



1. That improvement in methods of making flexible shoes which consists in removing the central forward portion of an insole thereby skeletonizing the insole and providing a filler piece for the opening in the insole, forming a series of transverse cuts in both sides of said filler piece, placing the skeletonized insole on a last, working an upper over the last and securing its margin in overlasted position upon said insole, beveling the upper margin, inserting said filler piece within the opening in said insole thereby filling the bottom cavity within the edges of the beveled upper margin, and attaching an outsole.

2,201,301
CENTRIFUGAL SEPARATING DEVICE
Sidney Alan Richardson, Footscray, Victoria, Australia, assignor to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California
Application March 28, 1938, Serial No. 198,497
In Australia March 30, 1937
1 Claim. (Cl. 183—80)

A centrifugal separating device comprising a cylindrical chamber, inlet means adjacent one end of the chamber for the introduction of gas or vapor with a vortical motion, the opposite end of said chamber being provided with a discharge outlet for clean gas or vapor, and an intermediate portion of the periphery of the chamber being formed with a circumferential series of elongated slots the longer edges of said slots being disposed obliquely to the axis of the cylindrical chamber and substantially at right angles to the path of movement of gas- or vapor-borne particles disposed in contact with the inner periphery of the cylindrical chamber, and a deflector plate secured to the periphery of the separating chamber adjacent to the rear longitudinal edge of each of said elongated slots, said deflector plate having a portion extending forwardly above the respective slot and out of contact with the wall of the cylindrical chamber, the opening formed between the free end of each deflector plate and the inner periphery of the cylindrical chamber being wider at that end thereof which is remote from the discharge end of said cylindrical chamber than at the end adjacent thereto.

2,201,302
PRINTING DEVICE
Frederick Samuel Rowe, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1938, Serial No. 243,113
9 Claims. (Cl. 101—379)

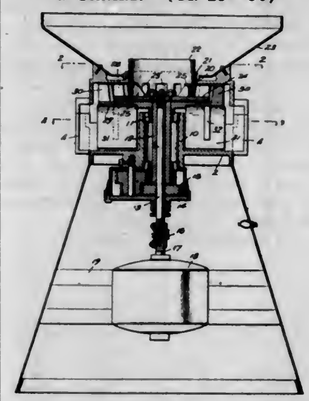
1. A stamp device for printing comprising a

holder, a backing member one side of which engages said holder, a resilient pad engaging the other side of said backing member, a rubber stamp engaging said pad, and means adjustably



secured to said holder for clamping said stamp in engagement with said pad under predetermined pressure and curving said stamp to conform with the article to be printed.

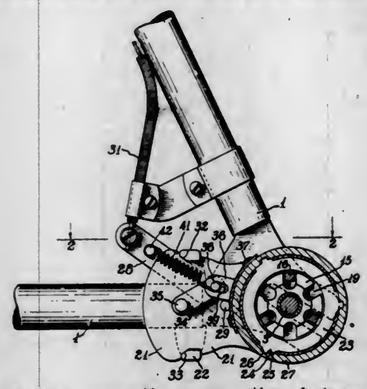
2,201,303
FLUFFING AND RENOVATING MACHINE
Paul Sappington, Los Angeles, Calif., assignor of one-half to J. C. Rosenthal, Los Angeles, Calif.
Application February 9, 1938, Serial No. 189,701
4 Claims. (Cl. 19—90)



1. In a machine of the class described the combination with a casing having an inlet and an outlet, of a feed tube at the inlet opening into the casing, superposed disks, spaced annular series of separating and inner fluffing blades on the upper disk, stationary separating blades extending from the tube and between the separate series of blades on the upper disk, an annular series of outer fluffing blades on the lower disk and extending around the upper disk, means for rotating the disks simultaneously in the same direction but at different speeds about the axis of the feeding tube, and fan blades depending from the lower disk and rotatable within the casing for setting up a circulation from the inlet to the outlet of the casing and between all of the blades.

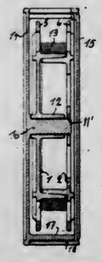
2,201,304
GEAR CHANGING MECHANISM
Youston Sekella, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 1, 1938, Serial No. 232,811
8 Claims. (Cl. 74—290)

1. In a change speed gear for velocipedes and the like, shifting means including a rotatably mounted shifting member, a fixed anchor member, a lever pivoted to the anchor member, a link pivoted to the anchor member at a point radially outward from the lever pivot in respect to the axis of the shifting member, a spring connected at its ends adjacent the free ends of the lever and



link, and an operative connection between the free end of the link and the shifting member.

2,201,305
FISHING LINE REEL
Wilhelm Springer, Isny, Germany
Application May 10, 1937, Serial No. 141,785
In Germany April 8, 1937
3 Claims. (Cl. 242—84.1)

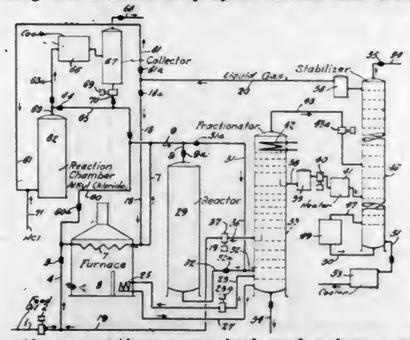


1. A fishing line reel for use in a fishing assembly including a pair of spaced disk members, an annular cone shaped flange integral with each of said disk members, said flanges interfitting one within the other one of them and forming a seat for a coil of fishing line, a hub formed at the center of one of said disk members and extending toward the other disk member and acting as a means to facilitate the rotatable mounting of the disk, the other disk member having an aperture in its center and coaxial with the hub, said disk members having a series of apertures to provide ventilation for a fishing line, and one of said disk members having another series of apertures to facilitate the rotation of the reel.

2,201,306
PROCESS FOR THE REFORMING AND POLYMERIZATION OF HYDROCARBONS
Philip Subkow, West Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 12, 1935, Serial No. 35,702
9 Claims. (Cl. 196—9)

7. A process for the production of cracked and polymer gasoline which comprises commingling a normally liquid hydrocarbon fraction with an alkyl halide and heating said mixture to a cracking temperature, commingling said mixture with a normally gasous hydrocarbon and passing said

mixture to a reaction chamber and therein subjecting the mixture to polymerization and subse-



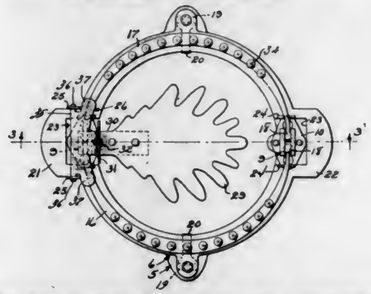
quently separating a cracked and polymer gasoline from said mixture.

2,201,307

ANIMAL TRAP

Frank E. Culbertson, Uniontown, Kans.

Application February 1, 1939, Serial No. 254,090
3 Claims. (Cl. 43—88)



1. An animal trap comprising the combination of superimposed springs centrally connected and with the ends normally sprung apart; jaws pivoted to the lower spring and extending through recesses in the upper spring and adapted to be held in a closed position by engagement with the sides of the recesses; vertically disposed supporting flanges carried by the upper spring at the sides of the said recesses adapted to support the jaws when the ends of the springs are moved toward each other; a trigger pivoted to the upper spring adjacent the pivoted ends of the jaws, said trigger having spring arms adapted to resiliently engage the upper edges of the jaws; and a treadle pivoted to the lower spring and engageable with the trigger, said treadle being held in association with the trigger by the resilient action of the spring arms.

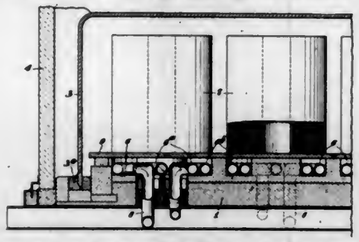
2,201,308

METAL STRIP COIL HEATING

Dexter Edge, Gary, Ind.

Application August 24, 1938, Serial No. 226,534
4 Claims. (Cl. 263—52)

1. A method of heating metal strip coils by means of heating equipment including a plurality of bases for carrying said coils with shields for covering said coils when on said bases and a heating bell adapted to be lowered onto said bases one at a time, said shields being inadequate to thermally insulate said coils to any practical degree, said method comprising arranging a plurality of said coils on end on one of said bases with said coils in mutually adjacent parallel relation to form a compact group, heating said group of said coils on said base through their bottom portions only by means other than said bell to effect a preheating of said group while permitting said bell to be used with other of said bases and with the mutually adjacent parallel relation of



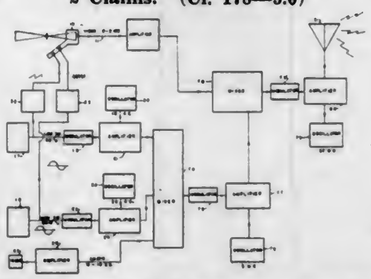
said coils keeping heat radiation losses to a practical minimum, subsequently lowering said bell onto said base over said group of said coils while they are covered by one of said shields and while they retain the heat of said preheating, and heating said group of said coils to higher temperatures by means of said bell.

2,201,309

METHOD AND SYSTEM FOR TELEVISION COMMUNICATIONS

Thomas T. Goldsmith, Jr., Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware

Original application March 12, 1938, Serial No. 195,441, now Patent No. 2,164,176, dated June 27, 1939. Divided and this application March 22, 1939, Serial No. 263,510
2 Claims. (Cl. 178—5.6)



1. In the art of television communication wherein it is required that electrical sweep waves of low frequency and high frequency respectively be supplied to the receiver for governing the scanning action thereat, the steps in the method of operation which consist in generating video signals, modulating a sub-carrier with the high-frequency sweep wave, modulating a second sub-carrier with the modulated first-named sub-carrier, mixing the video signal and the modulated second sub-carrier, modulating a main ultra-high frequency carrier with the resulting composite signal, and feeding said modulated main carrier to radio transmission means.

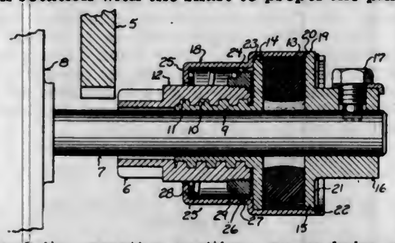
2,201,310

ENGINE STARTER

Oscar F. Gottlieb, Milwaukee, Ira Milton Jones, Thiensville, and Erich Eugene Kohls, Milwaukee, Wis., assignors to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application March 31, 1939, Serial No. 265,252
19 Claims. (Cl. 74—7)

1. In an engine starter, the combination of: a driving shaft; a pinion movable along the shaft to and from engagement with an engine member; a sleeve on the pinion; a member having a screw connection with the pinion sleeve and operable upon rotation with the shaft to propel the pinion



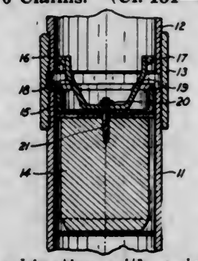
toward its operative position; an endwise and torsionally resilient driving connection between said member and the shaft; and means encircling said member and the driving connection and engageable with a part on the pinion sleeve to limit motion of the pinion toward operative position.

2,201,311

APPARATUS FOR INDICATING THE POSITION OF DEVICES IN PIPES

Erle P. Halliburton, Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.

Application December 24, 1936, Serial No. 117,504
6 Claims. (Cl. 181—0.5)



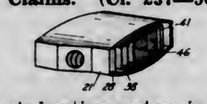
1. The combination with a jointed pipe of a device therein and apparatus for indicating the position of the device in the pipe, said apparatus comprising means for setting up a vibration in said pipe each time said device passes a joint therein, thereby producing a number of successive vibrations and means for detecting and recording the successive vibrations in the pipe to determine and record the number of joints the device has passed at any instant.

2,201,312

HEATING SYSTEM

Ernest B. Hauser, Cedar Rapids, Iowa, assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of United States

Application June 22, 1936, Serial No. 86,481
2 Claims. (Cl. 237—50)



1. In a hot air heating system including a furnace, means for conducting heated air from the furnace to various points of heat discharge in the system comprising a single main conduit formed of a series of sections and feeder pipes leading from the sections to the points of heat discharge, the sections from which the feeder pipes lead being formed with a varying cross-sectional area, the inlet side of the sections adjacent one portion of the feeder pipe being larger in cross-sectional area than the outlet side of the section adjacent the opposite portion of the aforementioned feeder pipe, the difference in area of the portions of the aforementioned section being of an amount to decrease the cubic feet per minute capacity of the main conduit by approximately the cubic feet per minute capacity of the feeder pipe leading therefrom, each section adapted to rest within the section preceding it for storage by bellying out the last mentioned section.

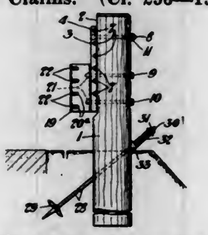
2. In a trunk duct system, a plurality of straight sections and reduction sections having main and lateral outlets for air ducts, said reduction sections comprising box-like members substantially rectangular and box-like at the inlet and at the main outlet thereof but with the main outlet reduced in cross sectional area by substantially the area of the lateral outlet, the member being tapered on at least one side thereof, and having a lateral outlet in the tapered side wall, each of said sections adapted to form a connection at its inlet end with the outlet end of the next larger section and further adapted to nest within the larger section by bellying out the sides thereof.

2,201,313

TWO-PURPOSE HIGHWAY GUARDRAIL

Albert P. Hayden and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application December 10, 1936, Serial No. 115,228
5 Claims. (Cl. 256—13.1)



1. In a highway guard, a post, a retainer block having barrier receiving recesses secured to said post, a spring bracket seated upon a face of said retainer block remote from said post, and means on said bracket for securing a barrier in spaced relation to said post.

2,201,314

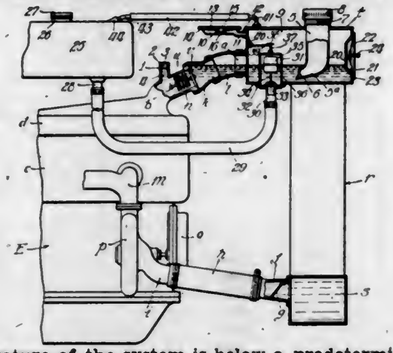
COOLING SYSTEM

Frank P. Illsley, Muskegon, Mich., assignor of one-half to Arthur H. Boettcher, Evanston, Ill.

Application October 21, 1936, Serial No. 106,720
27 Claims. (Cl. 123—174)

11. In an automobile, in combination with an internal combustion engine and a cooling system therefor normally closed to the atmosphere and including a radiator, means for automatically supplying a cooling liquid to the radiator and for maintaining the liquid at a predetermined level within the radiator to provide within the latter an expansion space of predetermined extent, a normally closed pressure responsive valve subject to the pressure in the radiator and actuated by said pressure for venting the radiator when the pressure therein exceeds a predeter-

mined maximum value, and means responsive to the temperature of the cooling system for disabling the liquid supplying means when the tem-

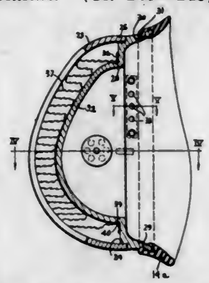


perature of the system is below a predetermined low temperature and enabling said supplying means when the cooling system is at or above said predetermined temperature.

2,201,315
RESPIRATOR

William Howard Lehmberg, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application November 13, 1936, Serial No. 110,657
2 Claims. (Cl. 128—146)

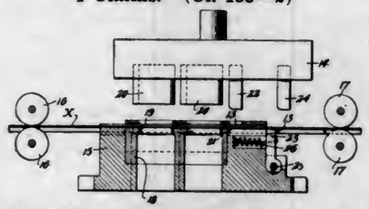


1. A device of the class described comprising a face piece composed of superimposed members of impermeable material having spaced walls cupped to fit over the nose and mouth with said members each having a vent opening therein with at least one of said openings having an inhalation valve cooperatively aligned therewith and with at least one of said members having a resilient face engaging portion for engagement with the face for preventing leakage under said face piece, the walls of said members being substantially equally spaced throughout the major portion thereof to afford a breathing space therebetween and having converging interfitting peripheral portions for connecting said members and for retaining said spaced relation, filter means of sheet-like material initially cupped substantially to the shape of and to fit in the space between the walls of said superimposed members, said filter means having a plurality of corrugations extending transversely of the face piece with the folds of said corrugations so dimensioned that the crests thereof will have a substantially line contact with the spaced walls of said superimposed members substantially throughout the width thereof with the folds progressively arranged in the direction of the length of the area of the face piece overlying the nose and mouth, means adjacent the converging interfitting peripheral portions of the superimposed members for sealing the edge to prevent the entrance of air into the face piece other than through the filter means and inhalation valve, said filter means being such as to retain its cupped and corrugated shape when disassociated with the face piece, and means for retaining the superimposed portions of said face piece in assembled relation with the peripheral portions in interfitted relation with each other.

2,201,316
MANUFACTURE OF STRUCTURAL MEMBERS

Richard T. McGee, Wheeling, W. Va., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va., a corporation of West Virginia

Original application March 21, 1936, Serial No. 70,016, now Patent No. 2,167,666, dated August 1, 1939. Divided and this application December 1, 1936, Serial No. 113,571
4 Claims. (Cl. 153—2)



4. A machine of the character described including cooperating press members adapted to receive a channel shaped blank, feeding means adapted to advance the blank through the press members substantially in a straight line path, a plurality of pairs of cooperating piercing elements associated with the press members and spaced from each other lengthwise of the direction of feed, and a plurality of pairs of cooperating forming elements mounted in the press members and spaced from each other lengthwise of the direction of feed, the forming elements being adapted to engage side edge portions of the cross-ties formed by the piercing and bend said side edge portions out of the plane of the blank, at least one of said forming elements being displaceable out of its normal operative position to pass a bent edge during advancement of the blank in the path aforesaid.

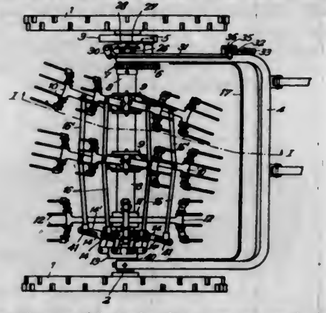
2,201,317
TEDDER FOR SPREADING CUT GRASS AND THE LIKE

Martin Neidhart, Bonstetten, Switzerland

Application October 11, 1938, Serial No. 234,436
In Switzerland October 12, 1937
4 Claims. (Cl. 56—372)

1. In a machine for spreading cut grass and like materials, circulatory tine forks for spreading the material, a rotary support connected with said tine forks for rotating them together therewith, pivotal connections arranged between said support and said tine forks, said connections having their axes extending transversely to the axis of the support so as to adapt said forks to swing transversely to said circulatory movement thereof, a drive for rotating said support in accordance with the run of the machine, a disconnectible coupling for transmitting said rotation intercalated between said drive and said support,

an eccentric stationarily mounted relative to said support, and crank-lever means operatively connected with said tine forks and said eccentric

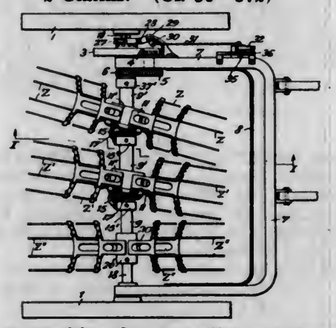


for imparting said swinging movement to said circulating forks, as said coupling is connected, when said machine is running.

2,201,318
TEDDER FOR SPREADING CUT GRASS AND THE LIKE

Martin Neidhart, Bonstetten, Switzerland

Application October 12, 1938, Serial No. 234,702
In Switzerland October 30, 1937
2 Claims. (Cl. 56—372)



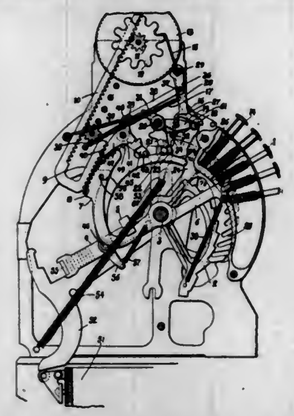
1. In a machine for spreading cut grass and like materials, a rotary axle having carrier wheels thereon, a rotary support surrounding said axle, circulatory forks for spreading the material connected to said rotary support side by side, fork supports interconnecting said rotary support and said forks and extending outwardly from said rotary support inclined at different angles to the axis of said axle for adjacent forks to rotate about said axis in planes forming an acute angle to each other, a coupling intercalated between said axle and said rotary support for transmitting the rotation of said axle to said rotary support, and means for disconnecting said coupling at will.

2,201,319
REGISTER

William L. Paden, Dayton, Ohio, assignor, by mesne assignments, to Central National Bank of Cleveland, Cleveland, Ohio, as trustee

Application October 27, 1934. Serial No. 750,334
5 Claims. (Cl. 235—10)

1. In a register comprising an indicator, an actuating device for said indicator, an arm pivoted for up and down movements, means for causing said actuating device to move downwardly with said arm, and means including a lever to control the movements of said arm; an overthrow preventing device mounted on said arm, manually controlled means for connecting said overthrow preventing device with said actuating device to cause said devices to move in unison, means for preventing the upward move-

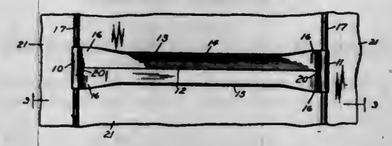


ment of said overthrow preventing device while it is connected with said actuating device, and means controlled by said lever to disconnect said overthrow preventing device from said actuating device and release the same for upward movement with relation to said actuating device.

2,201,320
SNOW GUARD

Bion C. Place, Detroit, Mich.

Application January 2, 1940, Serial No. 312,148
12 Claims. (Cl. 108—27)



1. A snow guard comprising an elongated sheet metallic strip having its ends bent on transverse lines into inverted U-shape and a mid-portion bent on a longitudinal line to dispose a substantial area of said portion at an angle of at least 45 degrees to the original plane of the strip.

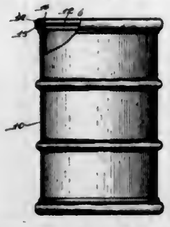
2,201,321
MANUFACTURE OF ABRASIVE ARTICLES

Norman Pierce Robie, Niagara Falls, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

No Drawing. Application April 27, 1936, Serial No. 76,597. In Canada October 4, 1935
7 Claims. (Cl. 51—278)

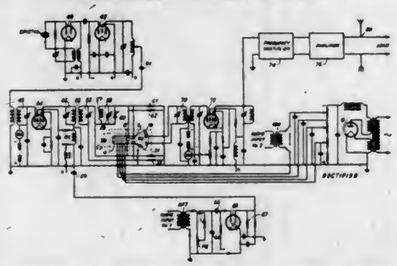
2. The method of producing non-tacky resinous coatings upon the individual grains of a mass composed of a plurality of abrasive grains which comprises forming a solution of normally solid resin in a water solution of an alkaline substance, commingling the said solution with abrasive grains and powdered fusible resin to produce a granular mix wherein the resin adheres to and individually coats the abrasive grains, and drying the thus produced resin coated grains.

2,201,322
SHEET METAL CONTAINER
Morris Schwartz, Chicago, Ill., assignor to Barrel Fitting & Seal Corporation, Chicago, Ill., a corporation of Illinois
Application August 31, 1938, Serial No. 227,615
4 Claims. (Cl. 220—46)



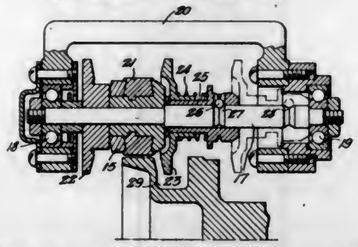
1. A container comprising an open ended sheet metal shell having a peripheral rim bent angularly inwardly and outwardly upon itself beyond the side wall of the shell from the material at the open end thereof, a sheet metal closure for enclosing the open end of the shell, said closure comprising an end wall having a peripheral flange bent angularly inwardly and outwardly upon itself from the material of the end wall, a substantially channel-shaped ring for co-operation with said peripheral rim and flange to form an annular housing, and an inflatable tube disposed in said housing for holding said closure in a sealed relation with and against displacement from the open end of said shell when in an inflated condition, said ring having a portion thereof extending below said rim of said shell and being held against axial displacement thereby in one direction and being permitted axial movement in the other direction subject to the compressibility of said inflatable tube.

2,201,323
ELECTRONIC MODULATOR AND METHOD OF MODULATION
Robert Evart Shelby, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 6, 1936, Serial No. 72,916
30 Claims. (Cl. 179—171.5)



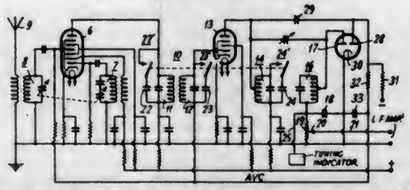
3. The method of phase or frequency modulation by means of a tube device comprising at least one target electrode in the form of an anode lying substantially in a plane and spiralling outwardly from a selected point, which includes the steps of, producing in said tube an electron stream of constant intensity along a selected path through said point, deflecting and rotating the path of said stream in accordance with phase displaced modulating potentials to control its path on the target, and producing currents characteristic of the electrons collected by said target for signalling purposes.

2,201,324
SOUND HEAD
Allan T. Sinclair, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application September 25, 1937, Serial No. 165,650
In Great Britain January 28, 1937
6 Claims. (Cl. 271—2.3)



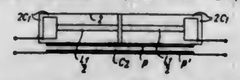
1. Photophonographic apparatus comprising a rotatable scanning drum for supporting the sound record film at the operational point with the sound track thereof overhanging the end of the drum, and a pressure roller for maintaining the film in contact with the said scanning drum, the said pressure roller being movable toward or away from the scanning drum and including two flanges adapted to cooperate with the edges of the film, one of said flanges being fixed in the axial direction spaced from the end of said drum and the other being movable axially of the roller to accommodate films of different widths, whereby the sound track is maintained in uniform relation to the drum irrespective of the film width.

2,201,325
RADIO RECEIVER CIRCUIT ARRANGEMENT
Bernardus Dominicus Hubertus Tellegen and Adelbert van Weel, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 15, 1938, Serial No. 245,831
In the Netherlands June 4, 1938
6 Claims. (Cl. 250—20)



1. In a receiving circuit, means for suppressing one of the side-bands of the received signal and accentuating the carrier-wave in respect to the frequencies of the non-suppressed side-band, said means comprising an electric filter which is constituted by four oscillatory circuits which form part of the receiving cascade, two of said circuits forming a band-pass filter with approximately critical coupling and which are tuned to a frequency approximately in the middle of the transmitted side-band, the two other circuits being loosely coupled to each other and having a damping which is lower than the damping of the former circuits and being tuned successively to frequencies on both sides of the coupling frequencies of the band-pass filter, the tuning frequency of the circuit with the lowest damping corresponding to the carrier-wave frequency of the received signal.

2,201,326
ELECTRICAL WAVE FILTER
Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 4, 1937, Serial No. 118,953
Renewed July 26, 1939
22 Claims. (Cl. 178—44)



1. An electrical wave filter comprising a pair of substantially parallel conductors, one of which has an electrical length approximately an odd multiple of one-quarter wavelength at the frequency to be attenuated, the other conductor being capacitively coupled to a surface of zero radio frequency potential at at least a plurality of points throughout its length, said conductors being directly connected together at one end, said one conductor being capacitively coupled to said surface at its other end, the lengths and constants of said conductors and the capacitances of said coupling between said surface of zero radio frequency potential and said conductors being so proportioned with respect to one another that the electrical wave filter will have a pass band at certain frequencies desired.

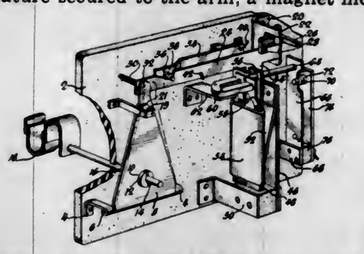
2,201,327
ROBE RAIL MOUNTING
Guy L. Tucker, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 11, 1938, Serial No. 189,910
2 Claims. (Cl. 105—354)



1. In combination with a robe rail and a seat back, said seat back having an opening therein and a pin traversing said opening, said robe rail having a terminal fastener with an end loop to engage said anchor pin within said opening, together with means secured to said seat back and yieldably engaging said fastener to permit assembly and to prevent the escape of said fastener from said anchor pin.

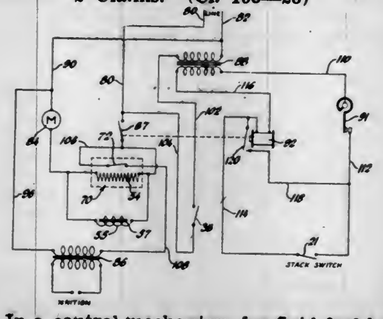
2,201,328
OIL BURNER CONTROL
Cyril T. Wallis, Rochester, N. Y., and Robert E. Fowler, Birmingham, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 24, 1937, Serial No. 138,688
7 Claims. (Cl. 200—122)

1. In a control mechanism, a switch biased to open position, a bimetallic arm acting as a stop under normal temperature but adapted when heated to move out of the path and allow the switch to open, means to heat the arm, a spring armature secured to the arm, a magnet mounted



adjacent the arm and adapted to attract the spring armature upon some movement of the arm due to the heat and a second switch operated by the movement of the armature.

2,201,329
OIL BURNER CONTROL
Cyril T. Wallis, Rochester, N. Y., and Robert E. Fowler, Birmingham, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 14, 1938, Serial No. 207,880
2 Claims. (Cl. 158—28)

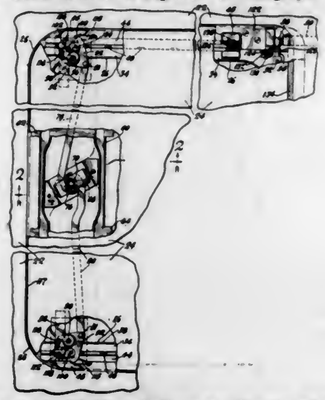


1. In a control mechanism for fluid fuel burners, electrically operated means for discharging a combustible mixture into a zone of combustion, a thermal time switch controlling the means and an electric heating coil supplying heat thereto and in series with said first-named means, and means regulating the current through the heating means to maintain the same substantially constant.

2,201,330
SLIDING TOP LATCHING MECHANISM
James H. Wernig and Gustave Chutorash, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 18, 1938, Serial No. 241,120
7 Claims. (Cl. 292—48)

1. In an automobile having a roof with a section thereof slidable in tracks or guides secured to the stationary part of the roof at the sides thereof, a plurality of notches in said guides, means at the edges of the sliding section adjacent the notches to latch the sliding section of the roof in stationary position at the extremities of its sliding movement or at a plurality of intermediate points, said means comprising two levers, one lever pivoted at each side of the sliding section at its front end, means simultaneously to operate said levers from the inside of the sliding

top, two arms, one arm at each side of the sliding section and operably associated with said levers, said arms adapted to engage in the



notches to hold the sliding section in stationary position, said arms operated in one direction by the movement of said levers.

2,201,331

MOUTH PROP AND LIGHT CARRIER

Alfred G. Wright, Philadelphia, Pa.

Application November 3, 1938, Serial No. 238,614
4 Claims. (Cl. 128—13)



4. A mouth prop having a body and terminals transverse to the body adapted to be engaged by the teeth of the patient, a rib supported by one of the transverse terminals and passing transverse to the body, a tongue depressor and spaced locking mechanism between the tongue depressor and the rib, each guiding longitudinally with respect to the other and preventing transverse separating movement of the depressor and rib and spring contact engagement of the depressor against the rib between the two mechanisms subjecting the locking mechanisms to lateral pressure of the depressor with respect to the rib, whereby the parts are held in adjusted position.

2,201,332

BOTTOM FILL PAPERBOARD CONTAINER

Duryea Bensel, New York, N. Y., assignor, by mesne assignments, to Albert Borden, New York, N. Y.

Application December 15, 1936, Serial No. 115,912
2 Claims. (Cl. 229—43)



1. A paperboard closure seal for a paperboard container having a plurality of plies of end closing flaps superposed upon one another and having an access aperture through said plies, said closure having a flanged lid-like portion to engage with the walls of said container and having an indented sealing portion to frictionally engage in said aperture to close the same.

2,201,333

ASH RECEIVER

Eric S. Carlson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application July 12, 1937, Serial No. 153,185
2 Claims. (Cl. 206—19.5)



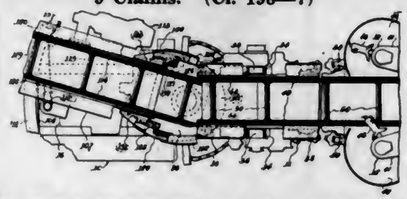
1. In an ash receiver for an automotive vehicle, a container adapted to be permanently mounted in the vehicle, said container being open at its rear side, a door hinged to the container at its bottom edge, an ash receptacle removably mounted on the door and adapted to be withdrawn from the door when the door is open, a handle on the outside of the door, a spring on the inside of the door, and common means for securing said handle and said spring to the door, said spring pressing against the ash receptacle to hold the receptacle firmly in place and prevent rattle.

2,201,334

MATERIAL GATHERING AND LOADING MACHINE

Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application May 20, 1938, Serial No. 208,969
9 Claims. (Cl. 198—7)



1. In a loading machine, a frame, an elevating conveyer extending forwardly of said frame and mounted on said frame for pivotal movement about a vertical axis, a discharge conveyer having a receiving end disposed beneath the discharge end of said elevating conveyer, and an extensible side wall connection between said conveyers to confine the material to the path of said discharge conveyer when said conveyers are disposed in various angular relationships with respects to each other including a relatively horizontal plate extending along the sides and across the forward end of said discharge conveyor, a pair of side walls adapted to slidably move along said plate, said side walls having pivotal connection with opposite sides of said elevating conveyer at points disposed adjacent the discharge end thereof, another pair of side walls adapted to slide on said plate, each of said latter side walls having slidable engagement with one of said

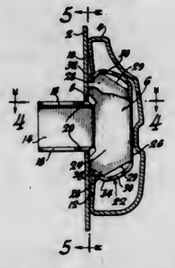
first mentioned side walls at one of their ends, and having slidable guiding connection with said plate at their opposite ends.

2,201,335

FASTENING DEVICE

Bart Cotter, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 15, 1939, Serial No. 261,915
5 Claims. (Cl. 24—73)



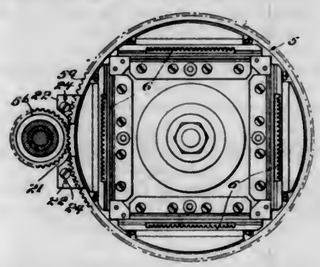
1. In a fastening device for securing a molding or the like to an object, said device having means to secure the device to the object and a head on which to mount the molding, laterally spaced wings on said head, shoulders on the ends of said wings, said shoulders being engaged by the molding or the like to prevent lateral movement thereof, and spring fingers on the head extending beyond the wings and the shoulders on one side, said spring fingers being capable of yielding when the molding or the like is pressed thereover, said fingers engaging the molding or the like to retain it on the object.

2,201,336

TYPOGRAPHICAL CASTING MACHINE

Rudolf F. A. Denker, Denison, Iowa

Application December 19, 1938, Serial No. 246,745
1 Claim. (Cl. 199—54)



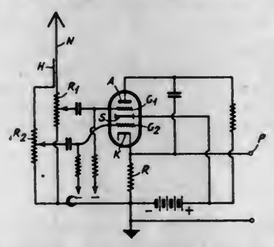
In a typographical casting machine of a type equipped with a carrier having a back knife normally fixed thereon and a mould disk axially movable with and rotatable relative to said carrier and disposed in a definite spatiality with respect to said knife for trimming the rear ends of type slugs carried by said disk by said knife during rotation of said disk relative to said carrier and knife for uniformizing the lengths of said slugs and substantially preserving the precast heights of the respective face-blocks, a guide block normally immovably fixed to said carrier and fashioned with relatively adjustable sections rotatably receiving said disk and coacting therewith for maintaining said disk in said spatiality, shims interposing said sections and selectively detachable for effecting relative adjustment of said sections with respect to said disk while said block is immovably fixed to said carrier for repositioning said disk to said spatiality when said disk is wearingly advanced thereaway, and means securing said sections together about said disk.

2,201,337

CIRCUIT ARRANGEMENT FOR REDUCING INTERFERENCE

Ernst Franke, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application March 17, 1938, Serial No. 196,312
In Germany March 19, 1937
4 Claims. (Cl. 250—20)



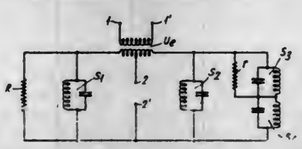
1. A radio receiving system comprising a vacuum tube having a cathode, a plurality of control grids, a screen grid and an anode, a main aerial connected to one of said control grids, an auxiliary aerial connected to another of said control grids, a source of high positive potential and connections therefrom to both the screen grid and anode, a load resistor included in the screen grid to cathode circuit, and output connections across said resistor for leading off the tube output.

2,201,338

WAVE FILTER

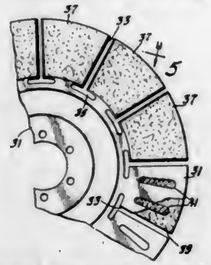
Gerhard Hässler, Berlin-Friedrichshagen, Germany, assignor to General Electric Company, a corporation of New York

Application December 3, 1937, Serial No. 177,867
In Germany December 9, 1936
3 Claims. (Cl. 178—44)



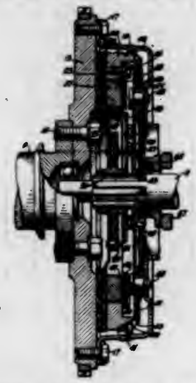
1. A transmission network adapted to be connected in series with a band pass filter having a pair of cut-off frequencies and large attenuation at frequencies remote from the range of frequencies between said cut-off frequencies but relatively little attenuation at frequencies closely adjacent said cut-off frequencies, said network being in the form of a Wheatstone bridge having arms so constituted as to produce a substantial reactance balance at two rejection frequencies, one of which is closely adjacent one of said cut-off frequencies and the other of which is closely adjacent the other of said cut-off frequencies, and additional resistances in said bridge so arranged as to produce a resistance balance of said bridge at said two rejection frequencies.

2,201,339
CLUTCH DRIVEN PLATE
George Hunt, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 22, 1937, Serial No. 121,728
7 Claims. (Cl. 192—107)



3. In a driven clutch disc, a flexible plate having radial slots extending from its periphery forming sections, facings on the opposite sides of each section, the thickness of each facing being progressively greater from one radial end to the other.

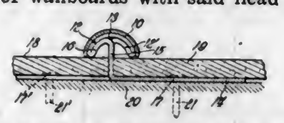
2,201,340
CLUTCH
George Hunt, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 10, 1938, Serial No. 184,221
5 Claims. (Cl. 192—68)



1. In a clutch, a flywheel having a cover, a driven plate, a pressure plate housed by said cover and movable axially to engage said driven plate, spring means in abutment to said cover and operable to resiliently move said pressure plate, said pressure plate comprising nested coaxial rings and yielding means connecting said rings to resist relative axial movement.

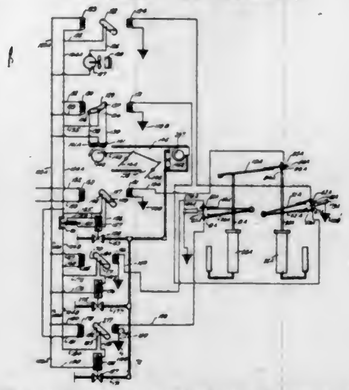
2,201,341
MOLDING SUPPORT MEANS
Aaron A. Ladon, Evanston, Ill., and Frank V. Osborn, Muncie, Ind., assignors to Masonite Corporation, Chicago, Ill., a corporation of Delaware
Application May 2, 1938, Serial No. 205,402
9 Claims. (Cl. 72—121)

6. In combination, a plurality of support clips having elongated head portions the outermost surfaces of which are convex for positioning in spaced apart relation along the juxtaposed edges of a pair of wallboards with said head portions



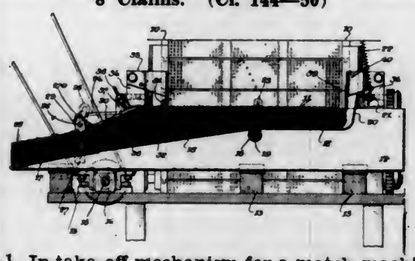
thereabove, and a mold member carried by said head portions of said clips on the outside thereof.

2,201,342
APPARATUS FOR CONTROLLING TEMPERATURES AND HUMIDITY
Timothy Lydon, Tenafly, and Patrick J. Lydon, Jersey City, N. J.
Application December 31, 1937, Serial No. 182,818
5 Claims. (Cl. 236—44)



1. In combination, a fixed pivot means; an arm pivoted to said pivot means; supporting pieces at least one of which is adjustable toward the pivot means; members movably mounted on the respective pieces one of the members being electrically conductive; an electric contact insulated on said arm; heat sensitive devices for moving said members on the same temperature change in a direction to engage the arm and contact respectively to move the arm in the same direction; and temperature control means including electric operating means controlled by engagement of said contact.

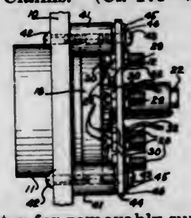
2,201,343
TAKE-OFF MECHANISM FOR MATCH MACHINES
Franklin Moore, Oshkosh, Wis.
Application May 25, 1937, Serial No. 144,583
8 Claims. (Cl. 144—50)



1. In take-off mechanism for a match machine having a travelling carrier for succeeding parallel rows of matches, and means for discharging the matches horizontally row by row from

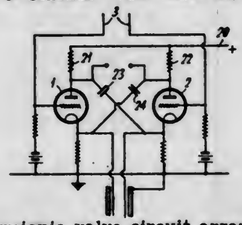
said carrier, a vibrating match-receiving trough extending transversely of the carrier, a member normally inclined within and longitudinally of the receiving end of the trough, resilient means for retaining the upper end of said member elevated to maintain said member in inclined position, means connecting the lower portion of said member to the trough whereby said member has capacity for vertical movement in a path below the match discharge level, and whereby as the rows of matches are moved in succession to the action of the said discharging means such matches exert downward pressure upon the preceding uppermost rows on said member, thus progressively depressing the underlying matches and said member, egress governing means for the delivery end of the trough, said governing means supported by the trough, and operative connection between said governing means and said member.

2,201,344
MOUNTING DEVICE
Christian Paulson, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1939, Serial No. 255,255
6 Claims. (Cl. 175—222)



1. An adapter for removably supporting instruments on panels comprising a mounting plate fixed to the instrument, a plurality of plugs fixed to said mounting plate and connected to the terminals of the instrument, an adapter plate mounted on said panel and spaced rearwardly therefrom, and a plurality of jacks mounted on said panel for cooperation with said plugs and having the terminal ends of conductors connected thereto.

2,201,345
THERMIONIC VALVE REPEATING ARRANGEMENT
William Spencer Percival, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application May 7, 1938, Serial No. 206,644
In Great Britain May 11, 1937
9 Claims. (Cl. 178—44)



1. A thermionic valve circuit arrangement for transmitting signals, the arrangement comprising in combination a pair of similar thermionic valves connected in push-pull relation, each valve having a control electrode to which input potentials may be applied, an anode and a cathode, a separate resistor connected between each cathode and ground, a source of potential connected to each anode, paths connecting the anode of each valve to the cathode of the other at least in respect of currents of signal frequency, said paths having associated with them the cathode resistors which constitute a symmetrically disposed load so arranged that potential variations are set up at points in said paths in dependence on the applied input potentials and including at least one output line or circuit in which said potential variations are utilised.

2,201,346
ROTOGRAVURE PRINTING PROCESS
Arthur W. Raby, Toronto, Ontario, and George R. Harvey, Cooksville, Ontario, Canada, assignors to The Toronto Star, Toronto, Ontario, Canada
Application June 9, 1938, Serial No. 212,672
8 Claims. (Cl. 95—5.7)



1. A rotogravure printing process comprising incorporating into a final positive film of the image to be reproduced a combination of half-tone dots and screen lines by contact exposure thereof through a superimposed half-tone screen negative and a contrasty continuous tone negative and a transparent line screen so that said positive presents closely spaced screen lines in the shade areas only of the image, exposing a sensitized metal surface through the resultant positive of the image to be reproduced, developing and finally etching the metal surface.

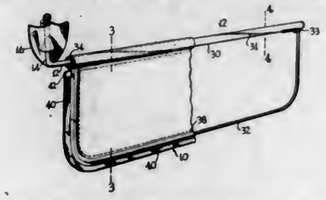
2,201,347
METHOD FOR THE MANUFACTURE OF HYDROGENATION PRODUCTS OF FURFUROL
Wilhelm Rittmeister, Dessau, Anhalt, Germany, assignor, by mesne assignments, to "Patchem A.-G. Zur Beteiligung An Patenten Und Sonstigen Erfindungsrechten Auf Chemische Verfahren", Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application May 7, 1937, Serial No. 141,306. In Germany November 14, 1936
6 Claims. (Cl. 260—345)

1. Method for the continuous manufacture of hydrogenation products of furfurol comprising tetrahydrofurfuryl alcohol in a major proportion, characterized by the hydrogenation of furfurol in the vapor phase at temperatures between 130 to 230° C. and under a pressure of 20 to 500 atmospheres and with an excess of hydrogen amounting to 20 to 500 times the theoretical amount necessary to produce said major proportion of tetrahydrofurfuryl alcohol and in the presence of a hydrogenation catalyst.

2,201,348
VISOR
Gordon A. Roberts, Grosse Pointe, Mich.
Application May 31, 1938, Serial No. 210,834
12 Claims. (Cl. 296—97)

1. In a visor frame and support, a support rod,

a sleeve slidable thereon, a tube with a spiral slot extending longitudinally thereof, and means for



preventing relative rotation between said sleeve and said rod.

2,201,349
ELECTRIC RAZOR
Loyd Scruggs, University City, Mo.
Application March 20, 1937, Serial No. 132,031
6 Claims. (Cl. 30—43)



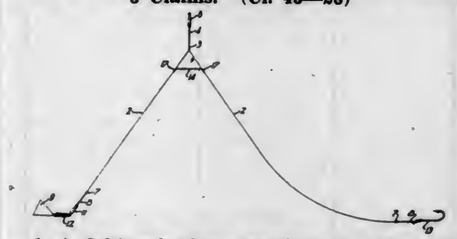
5. A razor of the dry shaver type, comprising a stationary cutter provided with two groups of cutting blades arranged in spaced relationship, a movable top cutter arranged above said stationary cutter and provided with two groups of spaced cutting blades whose top surfaces lie in substantially the same horizontal plane, thereby causing the hair on the skin to be severed by the simultaneous co-action of the groups of cutting blades of the movable and stationary cutters, the cutting blades of the top cutter being connected by a portion of said top cutter disposed in a horizontal plane below the top surfaces of said cutting blades, and a retaining member for said movable top cutter arranged in overlapping relationship with the same and disposed entirely in the space between the two groups of cutting blades of said movable top cutter.

2,201,350
ELECTRIC RAZOR
Loyd Scruggs, University City, Mo.
Application March 20, 1937, Serial No. 132,032
4 Claims. (Cl. 30—43)



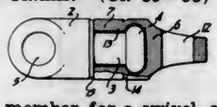
1. A razor of the dry shaver type, provided with a stationary cutter formed by a substantial rectangular-shaped flat member whose top face is slotted so as to form cutting teeth and whose under-side is grooved so as to form a collection chamber for the hairs or whiskers removed during the shaving operation, and a top cutter formed by a flat member reciprocatingly mounted on said stationary cutter and provided with beveled-edged or inclined-edged cutting blades separated by gaps of a width sufficient to permit the skin to easily protrude through the same and contact the slotted portion of the stationary cutter, said slotted portion being constructed so as to exclude the skin.

2,201,351
FISHING LEADER
John R. Skoverski, Oakland, Calif., assignor to Joseph Schor, San Francisco, Calif.
Application February 14, 1938, Serial No. 190,428
3 Claims. (Cl. 43—28)



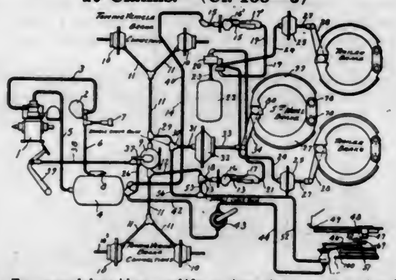
1. A fishing leader comprising a pair of diverging strands, a transverse strand extending between the diverging strands and fastened to the latter, and a tubular spreader bar encircling said transverse strand.

2,201,352
SWIVEL COUPLING
John R. Skoverski, Oakland, Calif., assignor to Joseph Schor, San Francisco, Calif.
Original application February 14, 1938, Serial No. 190,429. Divided and this application April 26, 1939, Serial No. 270,132
3 Claims. (Cl. 59—95)



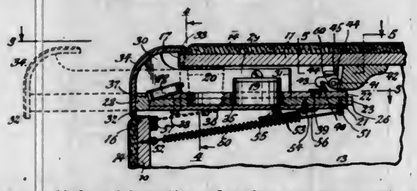
1. A socket member for a swivel, comprising a body having a bore for receiving a headed stud and adapted to be compressed to hold the stud head within the socket, the inner portions of said body being undercut to provide a seat for the stud head when the body is compressed, said body having thickened walls adjacent its outer end to form an external ring adapted to be compressed into an internal retaining ring ahead of said undercut seat.

2,201,353
MOTOR VEHICLE CONSTRUCTION
Harold A. Soulis, Westfield, N. J.
Application March 19, 1938, Serial No. 196,804
10 Claims. (Cl. 188—3)



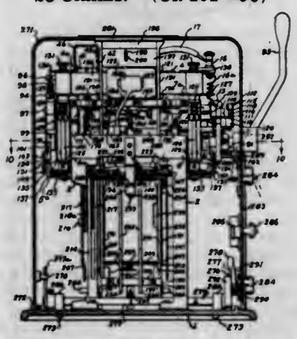
1. In combination with a tractor and a trailer respectively embodying relatively rotatable elements constituting a fifth wheel assembly, a braking system for retarding and arresting the movement of said vehicles and means associated with said fifth wheel assembly adapted to control the relative horizontal angular movement of the two vehicles on the axis of said assembly, solely in response to the inertia of the trailer.

2,201,354
ATTACHMENT FOR ARM REST FOR FURNITURE
Edwin E. Steadman, Silver Creek, N. Y., assignor to John F. Collins, doing business as Montgomery Manufacturing Company, Silver Creek, N. Y.
Application December 12, 1938, Serial No. 245,172
1 Claim. (Cl. 155—188)



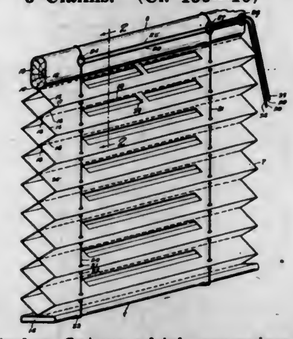
An article of furniture having an arm rest provided with an upright front wall, a horizontal top wall and a drawer space arranged within the arm rest and having an entrance between the upper end of siada front wall and the front end of said top wall, a drawer slidable horizontally through said entrance into and out of said drawer space, and a detent device for holding said drawer in its closed position including a keeper arranged on the drawer, a catch mounted on said arm rest and adapted to engage said keeper, a rod slidable on said arm rest and having a cam adapted to engage said catch for disengaging the same from said keeper and also having a thrust arm connected with said rod and provided with a guide pin, a bracket which is mounted on said arm rest and on which said rod and pin are guided, a push button guided on said bracket and adapted to bear against said thrust arm for causing said cam to disengage said catch from said keeper, and a spring interposed between said bracket and thrust arm and operating to withdraw said cam from said catch.

2,201,355
TIME RECORDER
Elmer G. Streckfuss, Cincinnati, Ohio, assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio
Application December 13, 1933, Serial No. 702,177
23 Claims. (Cl. 101—96)



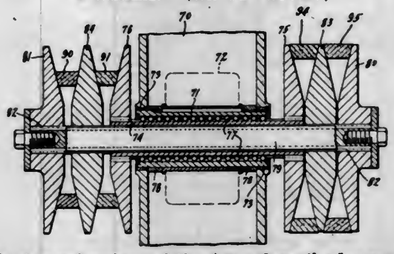
1. In a recorder having variable marking means, a device comprising a member engaging an edge of a flat-faced record element, supporting the element to present its flat face to be marked by said marking means, said member being movable away from said marking means along the plane of the flat face of the element, means to compel movement of said supporting member and of said element therewith, away from said marking means, storage means, and means to remove the moved element from said supporting means and said movement compelling means to said storage means.

2,201,356
WINDOW FIXTURE
Gertrude H. Terrell, Cincinnati, Ohio
Application November 21, 1938, Serial No. 241,626
3 Claims. (Cl. 156—16)



1. A window fixture which comprises in combination a main body portion and opposite ends, said body portion comprising two opposed sheets each folded transversely of its length at spaced intervals, with successive folds reversed to provide alternate exterior and interior hinges, and panels defined by said hinges, and means securing the interior hinges of one sheet to corresponding interior hinges of the other sheet, leaving the exterior hinges of both sheets free to move relatively upon relative movement of the body portion ends toward and from one another.

2,201,357
SPEED REDUCING MECHANISM
Herbert E. Twomley, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application January 17, 1936, Serial No. 59,553
4 Claims. (Cl. 74—230.17)



4. A mechanism of the type described comprising in combination, a shaft, a V-pulley to be coupled to said shaft and means for rotatably supporting said pulley for rotation about an axis parallel to said shaft, a sleeve on said shaft, a pair of separable pulley members on said sleeve defining a variable diameter V-pulley, one of said members being fixed relative to said sleeve and the other being slidably mounted on the sleeve, means for shifting said slidable member on the sleeve for varying the effective diameter of the variable diameter pulley, including a belt coupling said first mentioned pulley to said variable diameter pulley, and rollable bearing means mounting said sleeve on said shaft for rotation

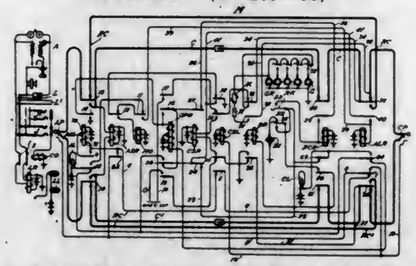
therewith and for longitudinal movement therealong whereby said sleeve and separable pulley members are free to move longitudinally to compensate for adjusting movement along said sleeve of said other pulley member and maintain alignment between said belt and variable pulley, said shaft and sleeve having cooperating longitudinal grooves in their juxtaposed surfaces and said rollable bearing means mounting the sleeve on the shaft comprising balls fitting in the juxtaposed grooves in the shaft and sleeve.

2,201,358

COMMON BATTERY CORD CIRCUIT

Bert A. Wallace, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois

Application July 6, 1938, Serial No. 217,717
12 Claims. (Cl. 179—58)



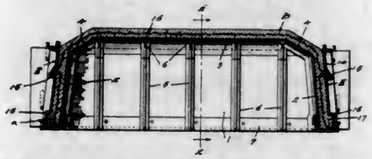
1. A telephone system including a plurality of telephone lines, a plurality of stations on each of said lines, a link circuit for interconnecting any two of said stations, a calling end and an answering end for said link circuit, means in said link circuit for establishing a connection between two stations on the same line, entirely through the answering end, a plurality of disconnect signals, operating circuits for said signals and means controlled over said line and through said answering end for controlling said operating circuits.

2,201,359

BURIAL VAULT MOLD

William E. Whited, Escondido, Calif.

Application November 8, 1938, Serial No. 239,540
2 Claims. (Cl. 25—130)



1. A burial vault mold including a hollow unit core member for the body portion of the vault, said member comprising side, end and top walls, reinforcing members each in the form of substantially an inverted U within the core member and secured to the side and top walls thereof, elongated angle members of considerable weight secured to and extending along the lower marginal portions of the side and end walls of the core member, said angle members having flanges extending outwardly beyond the side and end walls, removable side and end panels for placement upon the outstanding flanges of the angle members in spaced relation with respect to the side and end walls of the core member, means for holding the panels in assembly, and upstanding lugs carried by the outer marginal portions of the flanges of the angle members with which the lower marginal portions of the panels contact from within.

2,201,360

SPRING WIRE SNAP

Edward S. Beckwith, Omaha, Nebr.

Application September 19, 1938, Serial No. 230,627
4 Claims. (Cl. 24—237)



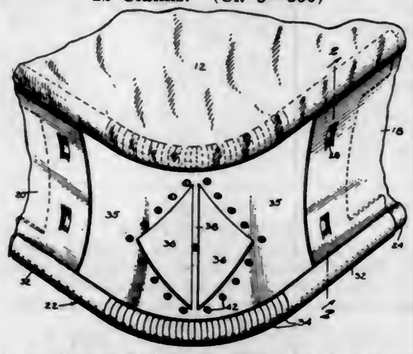
2. In a spring wire snap, a wire provided with hooks at its ends, the remaining part of the wire including a pair of rectilinear arms and pair of terminal circular loops disposed in line with said arms and a ring concentric with and between said loops for receiving a holder element.

2,201,361

CASING FOR MATTRESSES AND THE LIKE

Lewis J. Bennett, Hancock, N. Y., assignor of fifty-five per cent to Ralph W. Tyler, Hancock, N. Y.

Application March 22, 1937, Serial No. 132,321
12 Claims. (Cl. 5—360)



1. A shape-retaining casing for a mattress, cushion and analogous article comprising in combination a top tick portion and a bottom tick portion, and a wall unit positioned between said tick portions and including an inherently resilient and flexible metallic member provided with open resilient and flexible marginal channel flanges on its top and bottom edges, said flanges being contiguous to and detachably receiving corresponding marginal edges of said tick portions so as to form a closed casing characterized by effectively tending to maintain its normal shape, said wall unit being provided with means at each predetermined bend to facilitate flexing of said wall unit when said edges are moved toward each other.

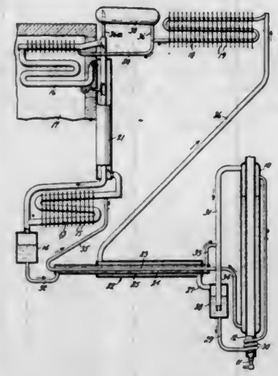
2,201,362

REFRIGERATION

Harry K. Bergholm, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware

Application November 20, 1937, Serial No. 175,632
In Germany August 27, 1937
9 Claims. (Cl. 62—119.5)

1. A method of refrigeration which includes expelling refrigerant from absorption liquid at a place of heating, liquefying the expelled refrigerant, evaporating the liquefied refrigerant, absorbing the evaporated refrigerant into absorption liquid, flowing vapors from said place of heating and liquid to said place of heating in heat transfer relation out of physical contact at a place of heat exchange to cause rectification by condensation of vaporous absorption liquid and conservation of latent heat of rectification by return thereof in the liquid to said place of heating, and utilizing said vapors flowing from the place of heating to cause the condensate to rise above said place of heat exchange in a path of flow returning to said place of heating for conservation of the sensible heat in the condensate.

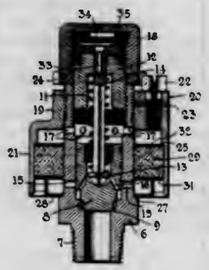


2,201,363

POP VALVE

Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application August 17, 1938, Serial No. 225,477
9 Claims. (Cl. 181—37)



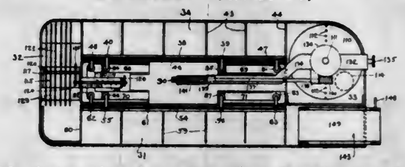
9. A pop valve comprising in combination a body; a valve member slidably mounted therein; a spring for urging said valve in a closing direction; a spring seat threaded into the end of said body and adjustable to vary the stress on said spring; a cap nut for locking said spring seat in its adjusted position; a sleeve surrounding said body; means for locking said sleeve to said body; means, associated with the last named means, for locking said cap nut to said sleeve; and a filter body mounted within said sleeve and between the sleeve and the body, said filter being retained by the sleeve and serving to protect the discharge ports of the valve.

2,201,364

DOUGHNUT MACHINE AND THE LIKE

Charles E. Carpenter, Chicago, Ill.

Application February 28, 1938, Serial No. 192,920
19 Claims. (Cl. 53—7)



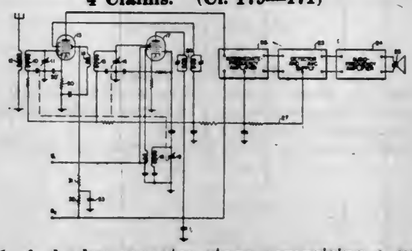
18. Apparatus for advancing doughnuts along a channel of an automatic doughnut forming and cooking machine containing hot liquid for frying the doughnuts and adapted to have uncooked doughnuts periodically introduced into one end thereof, including: a set of spaced elements extending transversely of the channel and vertically movable together; a second set of similarly spaced elements extending transversely of the channel above the first set, the second set being vertically movable from a position in the liquid to a position completely out of the liquid and reciprocable longitudinally of the channel a distance equal to the spacing between elements; means for moving the upper set longitudinally of the channel while both sets are in lowered position to cause doughnuts floating between the elements of the upper set to be advanced a desired distance in a predetermined time; means for raising both sets to remove the upper set from the liquid and cause the lower set to retain the doughnuts in the advanced position; and means for moving the upper set of elements, while out of the liquid, back to their initial position longitudinal of the tank and for then lowering both sets to repeat the cycle of operation.

2,201,365

DUPLEX VACUUM-TUBE REPEATER

Nelson P. Case, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application July 13, 1938, Serial No. 218,937
4 Claims. (Cl. 179—171)



1. A duplex repeater stage comprising a vacuum tube including a first repeater section having a cathode, a first signal-input electrode and a first output electrode, a second repeater section comprising a second signal-input electrode and a second output electrode in the order named, said first output electrode having portions respectively disposed between said cathode and said second signal-input electrode and between said second signal-input electrode and said second output electrode, said portions being spaced with relation to said second signal-input electrode so that transconductance from said second signal-input electrode to said first output electrode is substantially eliminated, a circuit for applying a signal comprising frequencies within a predetermined range to said second signal-input electrode, and

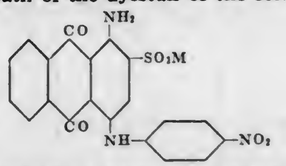
a circuit for applying a signal comprising frequencies within a range higher than said first-mentioned range to said first signal-input electrode, the frequencies of said first-mentioned range being substantially different from the frequencies of said higher range or the heterodyne sum or difference frequencies of said ranges.

2,201,366
MOLD COMPOSITION AND METHOD OF PRODUCING SAME
Vladimir A. Grodsky, Washington, D. C.
No Drawing. Application August 2, 1939, Serial No. 288,036
6 Claims. (Cl. 22—188)

4. A mold composition comprising graphite particles, dehydrated clay particles and a binder adapted to unite said graphite particles with said clay particles when the composition is subjected to that degree of heat sufficient to dehydrate the clay particles.

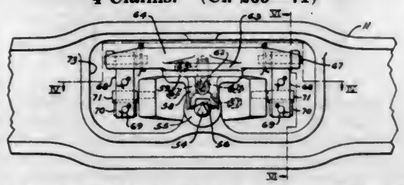
2,201,367
COLORING ACETATE ARTIFICIAL SILK
William John Grubb, Cecil Shaw, and Reginald Harold Sennett, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 14, 1938, Serial No. 229,974. In Great Britain September 19, 1937
2 Claims. (Cl. 8—40)

1. Process for dyeing acetate artificial silk which comprises the application thereto from an aqueous bath of the dyestuff of the formula



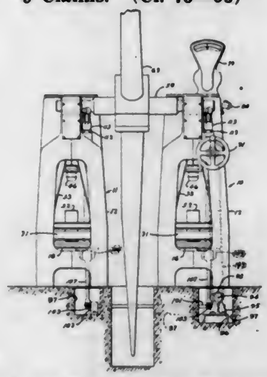
where M stands for an atom or radical yielding a soluble compound, for instance hydrogen, sodium, potassium or ammonium.

2,201,368
WEIGHING SCALE
Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application April 13, 1938, Serial No. 201,773
4 Claims. (Cl. 265—71)



1. In a weighing scale, in combination with load counterbalancing mechanism, a load supporting lever system of the "A" type comprising at least one long and one short lever, each of said levers having a vertical web, there being an opening in the vertical web of said long lever, a pivot fixed in said opening and extending on each side of said web, a bridge-like member having universally mounted bearings engaging said extending portions of said pivot and a supporting member swivelly supported upon said bridge-like member and stirrups pivotally suspended therefrom for engagement with pivots in said short lever; said bridge-like member, said supporting member and said pivots and stirrups being all situated within the area defined by the walls of said opening in said web of said long lever.

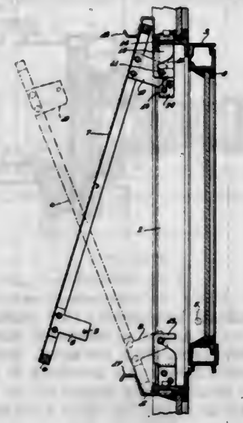
2,201,369
TESTING DEVICE
Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application November 3, 1938, Serial No. 238,593
9 Claims. (Cl. 73—53)



1. In a device for statically balancing an assembled airplane propeller, in combination, a pair of spaced, aligned stands adapted to be secured to a floor, an independent oscillating beam system in each of said stands including means for supporting one end of a mandrel of an assembled airplane propeller, a pendulated indicator operatively connected to one of said oscillating beam systems for indicating the condition of static balance of such propeller when an end of said mandrel is resting on each of said supports, a micrometer poise secured to one of said oscillating beam systems for quantitatively determining an amount of static unbalance of such propeller, a crank member pivotally mounted in each of said supports and having one of its arms depending below such floor, a vertically extending shaft in each of said supports in pivotal engagement with another arm of said crank member, means including gearing below such floor and connecting said depending crank arms and means including a hand wheel for actuating said gearing for simultaneously rocking said crank members and raising said vertically extending shafts into engagement with such mandrel.

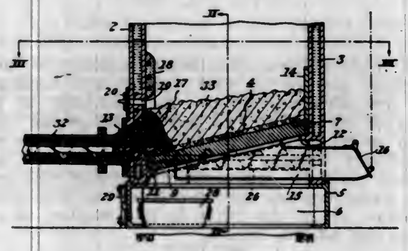
2,201,370
SCREEN FOR DETENTION WINDOWS
Louis F. Julien, Detroit, Mich., assignor to Chamberlin Metal Weather Strip Company, Inc., Detroit, Mich., a corporation of Michigan
Application December 20, 1937, Serial No. 180,746
5 Claims. (Cl. 156—14)

3. In combination with a window opening frame, a screen, retaining clips at the top and bottom of said frame, the lower edge of the screen being normally disposed in the lower clips and the screen and clips being proportioned whereby the upper edge clears the upper clips for outward swinging movement, means rendered operative by outward swinging movement of the upper edge of said screen for positively restricting outward swinging of the lower edge of said screen, said screen being movable to position its upper edge in said upper clips whereby its lower edge clears said lower clips for outward swinging



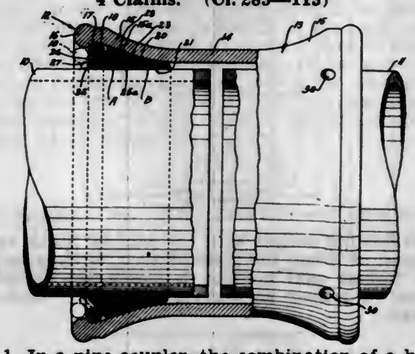
movement, and means rendered operative by outward swinging movement of the lower edge of said screen for positively restricting such swinging movement, said last named means including means for holding the screen in a tilted position.

2,201,371
FURNACE STOKER
Martin A. Mayers, Pittsburgh, Pa., assignor to Carnegie Institute of Technology of Pittsburgh, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 16, 1937, Serial No. 125,998
3 Claims. (Cl. 110—47)



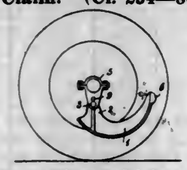
1. A bituminous coal burning apparatus for domestic hot water heating comprising a combustion chamber having a front water jacketed wall and a rear water jacketed wall, a substantially vertical abutment on the rear wall, the front wall having a fuel inlet therethrough at a point opposite the abutment, a hearth extending from the fuel inlet to the abutment, the top of the hearth being in substantial alignment with the bottom of the fuel inlet, said hearth having primary air passages therethrough terminating at the top of the hearth, said hearth being of substantially the same width as the inner end of the fuel inlet, means extending from the rear wall of the furnace to the front wall for supporting the grate, a wind box secured to and supported by said means and means for forcing fuel along said hearth whereby such coke tree as may be formed by the combustion of said fuel is forced against said abutment and disintegrated.

2,201,372
PIPE COUPLING
Eli A. Miller, Downey, Calif., assignor to Vernon Tool Co., Ltd., Los Angeles, Calif., a corporation of California
Application November 26, 1938, Serial No. 242,479
4 Claims. (Cl. 285—115)



1. In a pipe coupler, the combination of a hollow body adapted to receive the end of a pipe, a gasket ring between said pipe and hollow body, a plurality of pipe gripping elements embedded in said gasket ring and adapted for biting engagement with said pipe, shield means integral with said gripping elements overlying and engaging the outer end of said gasket, and means associated with said body for engaging said shield means to compress said gasket and to press said gripping elements into biting engagement with the pipe.

2,201,373
AUTOMATIC JACK DEVICE FOR AUTOMOBILES
Henri Jules Miniconi, Stains, France
Application December 23, 1938, Serial No. 247,530
In France September 28, 1938
1 Claim. (Cl. 254—86)

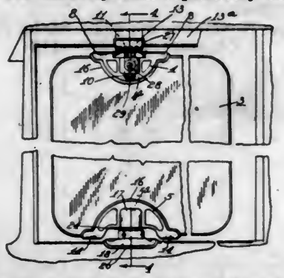


In combination with a vehicle axle, a wheel on the axle, and a tire on the wheel, an automatic jack device for automobiles including a segment, an eccentric bracket connected with the segment, a jaw, means rigidly mounting the jaw on the axle, means pivotally connecting the bracket with the jaw, said bracket having a hub formed with a cam face, a socket on the jaw, and a spring pressed bolt in the socket, said spring normally urging said bolt to engage the cam, said segment being engageable, upon deflation of the tire, with a surface for warning the driver of deflation of the tire, reversing of the vehicle effecting raising of said axle by said segment for clearing said tire from the surface, said bolt engaging said cam for retaining the segment in raised position.

2,201,374
VENTILATING DEVICE
Willard L. Morrison, Lake Forest, Ill.
Application November 8, 1929, Serial No. 405,674
Renewed April 7, 1939
19 Claims. (Cl. 296—84)

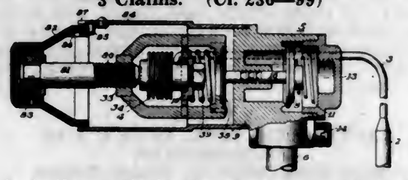
1. A ventilating device comprising a plate of

glass, two holding devices at opposite edges of said glass and having body portions in the plane of the glass, and separate means connected with said glass for directly and separately connecting



said holding devices with the window frame and means, of which the plate of glass forms a part, for forcing said holding devices apart to keep them in proper engagement with the window frame.

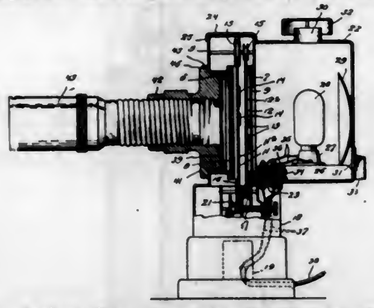
2,201,375
THERMOSTAT
Robert E. Newell, Irwin, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application February 12, 1934, Serial No. 710,847
3 Claims. (Cl. 236—99)



1. A thermostatic structure comprising control means, a bellows assembly for operating said control means, means for supporting said bellows assembly, said bellows assembly including a yoke extending at least partially around said bellows and arranged to be actuated by the movable end of said bellows and means connected with said yoke for transmitting movement thereof to said control means, adjusting means including an adjusting dial carried by the bellows assembly for adjusting the yoke relative to the bellows, and bi-metallic means carried by said bellows assembly between the bellows and said control means and arranged to compensate temperatures to which the bellows assembly is subjected.

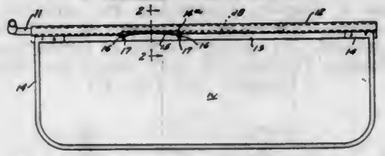
2,201,376
CLOCK
Leendert Prins, Flushing, N. Y.
Application March 8, 1938, Serial No. 194,650
2 Claims. (Cl. 88—24)

1. In combination with a clock having a base containing clock mechanism and a casing member rigid with the top of said base and having front and rear openings, transparent hand carrying elements arranged in said casing member and operated by said clock mechanism, a transparent dial in the front of said casing member and provided with opaque hour designating numerals associated with the hands of said hand carrying elements, a light projecting lantern mounted on the base at the rear of said casing member behind said hand carrying elements and said dial, an adjustable focusing lens unit removably carried by and arranged at the front of said casing member, a barrel removably fitted in the front of said casing member and supporting said focusing lens unit, and a false-dial plate carried by said barrel and arranged in front of said hand carrying elements and said first-named dial, said false-dial plate having a restricted transparent central portion provided with opaque



hour designating numerals, the hands of said transparent hand carrying elements including inner and outer separated portions, whereby enlarged images of the inner portions of said hands and the hour designating numerals on said false-dial plate may be projected onto a screen.

2,201,377
VISOR
Albert J. Schoenheit, Detroit, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of United States
Application April 24, 1939, Serial No. 269,669
8 Claims. (Cl. 296—97)

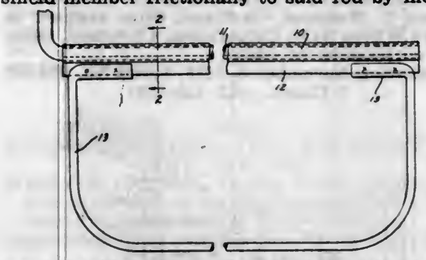


1. A glare shield comprising a support, a shield member pivoted on said support and arranged for moveable adjustment longitudinally of the axis of the pivot, and means engageable with said support and with said shield member for yieldingly holding the shield member in adjusted positions, and means cooperable with said last named means upon movement of said shield member about the pivot to one positon to release the holding means.

2,201,378
VISOR
Albert J. Schoenheit, Detroit, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of United States
Application May 29, 1939, Serial No. 276,299
2 Claims. (Cl. 296—97)

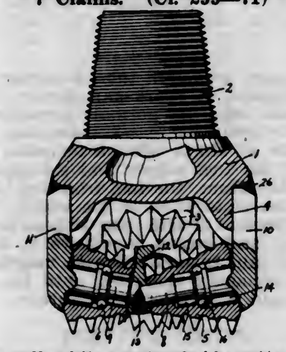
1. In a visor for motor vehicles, a shield member having a substantially cylindrical tube portion provided with a flattened portion extending longitudinally thereof, a substantially cylindrical supporting rod positioned in said tubular portion and rotatably supporting said shield member, said rod having a flattened portion longitudinally thereof complementary and spaced from said tube flattened portion in one radial position of said shield member so that said shield member can be easily shifted along said rod, said flattened

portions being in close proximity to hold said shield member frictionally to said rod by move-



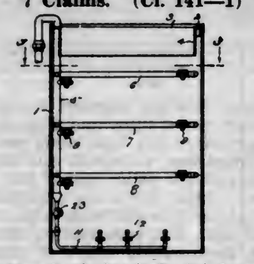
ment of said shield member about the axis of said rod.

2,201,379
DRILL BIT
John F. Shaw, Los Angeles, Calif., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application June 2, 1939, Serial No. 276,968
7 Claims. (Cl. 255—71)



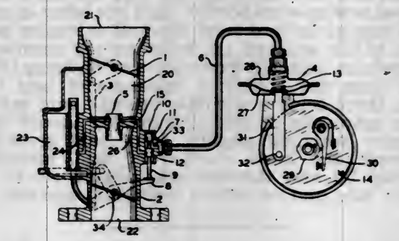
1. In a roller bit, a pair of side cutters adapted to cut at the sides and bottom of a hole, a pair of cross-cutter bearing pins, each extending downwardly and inwardly toward the center of the bit, and being straight throughout its entire length, and cross roller cutters mounted on said bearing pins, said cross roller cutters being of such extent as to traverse substantially the entire area of the bottom of a hole within the path of said side cutters.

2,201,380
RINSE TANK
John D. Tierney, Meriden, Conn., assignor of one-half to Raymond J. Tierney, Meriden, Conn.
Application August 19, 1939, Serial No. 291,029
7 Claims. (Cl. 141—1)



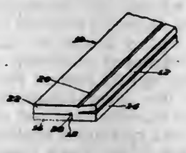
7. In a rinse tank for industrial use stationary means extending around the interior of the tank for at one level causing a vortex flow of spray of cleaning liquid circumferentially of the tank in one direction, stationary means extending around the interior of the tank for at another level causing a vortex flow of spray of cleaning liquid circumferentially of the tank in an opposite direction, stationary means in the tank near the bottom for causing an upward flow of spray of cleaning liquid axially of the tank into said vortex flowing sprays, and means for supplying a flow of cleaning liquid to said spraying means simultaneously and causing a violent commingling of the several sprays.

2,201,381
CARBURETING AND IGNITION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application March 2, 1940, Serial No. 321,947
7 Claims. (Cl. 123—117)



1. In an internal combustion engine the combination of an ignition timer, a fuel mixture intake passageway including a venturi, two throttle valves spaced apart in series in said passageway one on each side of the venturi arranged to open and close in unison, suction controlled means for varying the position of the timer, and a passageway connecting the suction means with the venturi whereby the said means is controlled to vary the position of the timer by the suction produced by the flow of air through the venturi at wide open throttle and by the suction of the mixing chamber for part open throttle.

2,201,382
WELT
William C. Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a copartnership
Application May 6, 1938, Serial No. 206,390
7 Claims. (Cl. 36—78)



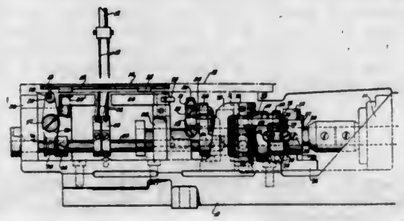
1. A reversewelt for shoes having a split sewing edge providing upper and lower separable lips, a welt extension in the plane of the upper lip thinner than the combined thickness of said lips, a longitudinal groove substantially at the inner edge of the welt extension and extending parallel to its outer edge, and a shoulder substantially below the inner edge of the welt extension situated adjacent the root of the split between said lips at a distance therefrom substantially the thickness of said lower lip.

2,201,383
SHOE
William Carlton Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a co-partnership
Original application May 6, 1938, Serial No. 206,390. Divided and this application September 29, 1939, Serial No. 297,067
3 Claims. (Cl. 36—17)



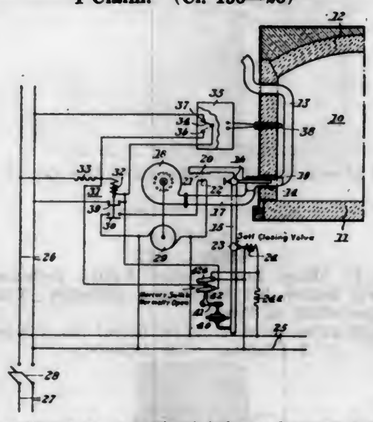
1. A shoe having a ribbed insole and an upper inlasted over its feather edge and outer face of said rib, a reversewelt of the type having a two-lipped sewing-edge portion, said lips being spread, one turned upward from the welt extension portion of the welt and the other turned downward therefrom, said welt extension portion being thinner than the combined thickness of said two lips, there being a shoulder beneath said extension outwardly of said downwardly turned lips, inseam stitching passing from said shoulder, through the lower portion of said upwardly turned lip and through said sewing rib to its inner side, and an outsole secured to said welt.

2,201,384
LOOPER MECHANISM
Albert H. Weis, Nyack, N. Y., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application April 18, 1938, Serial No. 202,761
11 Claims. (Cl. 112—200)



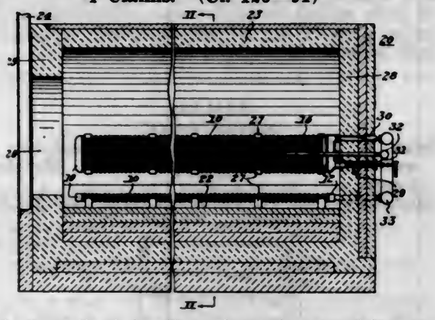
4. In a sewing machine, the combination of a work plate; a needle having retracted and advanced positions above and below the work plate, respectively; a rod; a looper on said rod having advanced and retracted positions relative to the needle; a driving shaft; means for rotating said shaft; at least one lever connecting said shaft with said rod for moving said rod and said looper into advanced and retracted positions relative to the needle and for imparting a dwell in the movement of said looper in both advanced and retracted positions, the dwell in the advanced position of said looper being longer than the dwell in the retracted position thereof; at least one second lever connecting said driving shaft with said rod for moving said rod and said looper in an angular direction relative to the first movement thereof; a loop spreader; and a single lever connecting said rod with said loop spreader for moving the same in the opposite direction relative to the second movement of said rod.

2,201,385
FUEL SUPPLY AND IGNITION SYSTEM
James C. Woodson, Cleveland, Ohio, assignor to Lee Wilson Sales Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 3, 1938, Serial No. 238,609
1 Claim. (Cl. 158—28)



In a furnace, a radiant tube, a burner supplying fuel thereto, a spark-gap igniter for said burner, said tube in normal operation being heated by combustion gases traversing it to a temperature at which, after a temporary interruption of the fuel supply and extinguishment of the burner flame, the fuel from the burner is re-ignited on restoration of the supply, by contact with the wall of said tube without the aid of said igniter, and means responsive to the temperature of said tube effective to maintain said igniter continuously energized until the tube is heated to said re-ignition temperature.

2,201,386
APPARATUS FOR HEATING
James C. Woodson, Cleveland, Ohio, assignor to Lee Wilson Sales Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 15, 1938, Serial No. 240,498
4 Claims. (Cl. 126—91)



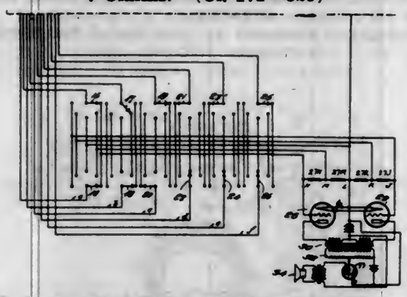
1. A radiant heating element comprising an elongated sheet metal tube, one dimension of the transverse section of the tube being several times the other dimension, a cap at one end of said tube, a closure at the other end of the tube having inlet and outlet ports on opposite sides of the central plane therethrough and a substantially central port, a pipe extending through said central port, terminating short of said cap and serving as a secondary air conduit, said pipe being of such size relative to said other dimension as to constitute a baffle defining entering and return passages for combustion gases and substantially restricting flow of such gases from the entering passage to the return passage except by a path around the end of said pipe.

2,201,387
FASTENER INSTALLATION AND FASTENER FOR THE SAME
Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application September 10, 1937, Serial No. 163,217
4 Claims. (Cl. 189—88)



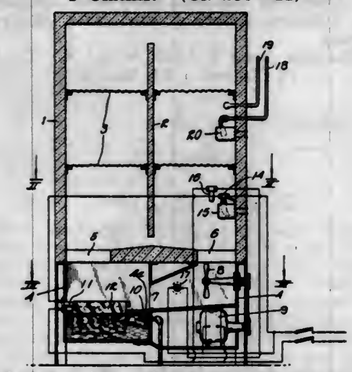
3. A fastener installation including an apertured support, a strip of substantially U-shaped cross-section having opposed spaced side walls, one of said side walls being disposed adjacent said support and a fastener member for securing said strip to said support, said fastener member having yieldable members extending across the open end of said strip and through an aperture in said support and engaging material adjacent the same, and a flexible stud portion disposed entirely on one side of said yieldable members and flexible independently thereof, said stud portion being disposed between and engaging both said side walls of said strip whereby said strip is secured to said support.

2,201,388
ELECTRIC ORGAN
Westley F. Curtis, Beaver Heights, Md.
Original application July 30, 1937, Serial No. 156,574. Divided and this application May 7, 1938, Serial No. 206,680
7 Claims. (Cl. 171—329)



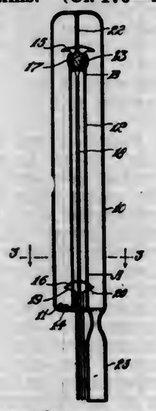
3. In an electrical musical instrument, waveform control means including a device for producing a plurality of wave partials; said device comprising a series of electrostatic plate elements disposed in closely adjacent insulated relation, a unitary electrostatic plate element disposed in spaced parallel relation to said series of plate elements and a grounded intermediate movable element having an aperture adapted to vary progressively the electrostatic effect between each plate in said series and said unitary plate element in accordance with a predetermined wave pattern, the disposition of said plates in the series determining the relative phase relations of the wave partials produced therein; and means for combining the wave partials from the series of plate elements to produce a single cycle of a resultant wave having a wave form as determined by the relative phase characteristics of said wave partials and the amplitudes and polarities in which they are combined and a frequency which is a function of the velocity of said movable element.

2,201,389
MOISTURE BOX
Louis P. de Give, Atlanta, Ga.
Application August 26, 1939, Serial No. 292,099
4 Claims. (Cl. 236—44)



1. A seasoning cabinet comprising an upper shelf-containing chamber and a lower chamber with connecting passages between them to accommodate air circulation including both chambers, an air circulating fan in the lower chamber and a constant level water reservoir therein for holding a body of water adjacent to said air-flow, an elongated electric heater unit horizontally mounted above said body of water, covered with a wick dipping into the water, a second electric heater unit mounted in the air-flow, and a hygrostat and a thermostat in the shelf chamber respectively connected to control the circuits of said heater units.

2,201,390
FLUORESCENT LAMP
Daniel J. Delaney, North Arlington, N. J.
Application December 21, 1938, Serial No. 247,068
9 Claims. (Cl. 176—122)



1. In a fluorescent lamp, an outer tube, a gas-

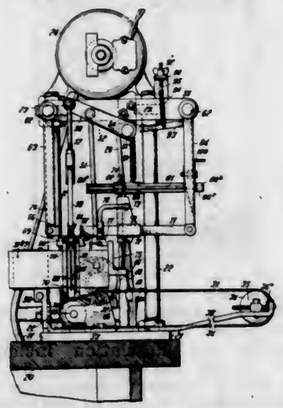
eous atmosphere within the outer tube, an inner tube disposed within said outer tube and spaced therefrom, said inner tube being provided on the outside surface thereof with a coating of fluorescent material, thermionic electrodes carried by said inner tube and disposed near the opposite ends thereof, and lead wires connected with the electrodes, all lead wires passing through the same end of the inner tube.

2,201,391

PLASTIC-MATERIAL CUTTING MACHINE

Charles Doering, Henry H. Doering, Eric W. Anderson, and Bertil Skoglund, Chicago, Ill.; said Anderson and said Skoglund assignors to said Charles Doering and said Henry H. Doering

Application April 4, 1938, Serial No. 199,928
16 Claims. (Cl. 31—20)



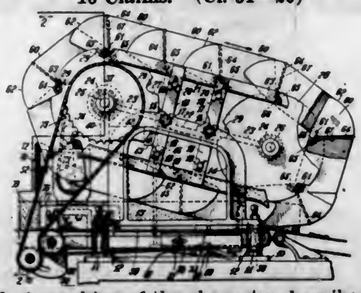
1. A cutting machine of the character described comprising a supporting base with a material receiving throat at one end and upstanding posts provided with top cross-pieces; a power shaft; an endless conveyor in alignment with the throat; means operatively connected with the power shaft for driving said conveyor; a guide frame swingingly suspended from the upper end of the posts; a cutter frame vertically slidable in said guide frame and adapted to move therewith; crank-arms oscillatingly mounted above the cutter frame, with one arm pivotally connected with the cutter frame, while the other crank-arm has a connecting rod pivotally connected therewith; driving mechanism involving a drive member operatively connected with the power shaft, a collar loosely mounted on one end of said member and provided with a crank-pin to which the lower end of said connecting rod is secured, a cam collar loosely mounted on the other end of said drive member, and a clutch spring contracted about said drive member so as to normally revolve therewith, one end of said spring being secured to said crank-pin collar while the other end of said spring is connected with said cam collar, whereby both collars are rotated with said drive member; a vertically movable stop-plate arranged in the path of the oncoming material and laterally movable with said guide frame; means operatively intermediate of the crank-pin collar and said stop-plate whereby the latter is moved out of the path of the material at prearranged moments in the rotation of the crank-pin collar; means whereby said cam collar is held against rotation at predetermined moments in the rotation of the crank-pin collar; and means whereby said last means is moved out of cam collar holding position at predetermined moments in the movement of the cutter-frame.

2,201,392

CONTINUOUS CUTTING MACHINE FOR PLASTIC MATERIAL

Charles Doering, Henry H. Doering, Eric W. Anderson, and Bertil Skoglund, Chicago, Ill.; said Anderson and said Skoglund assignors to said Charles Doering and said Henry H. Doering

Application May 9, 1938, Serial No. 206,854
16 Claims. (Cl. 31—20)



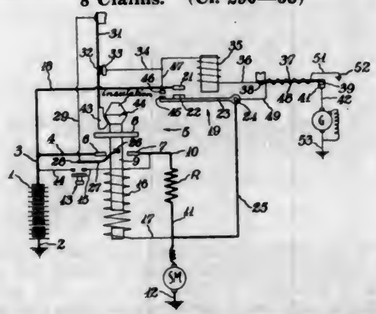
16. A machine of the character described comprising an endless conveyor; a plurality of cutter elements pivotally secured together in an endless band and arranged to travel at an inclination above the conveyor with the lower run of the band traveling downwardly toward and in the direction of movement of the conveyor; power means; means adapted to effect operative relation between said power means and said band; and means operable by the material to be cut when the latter approaches the cutting zone whereby the second mentioned means are actuated and the operative relation between the power means and the second mentioned means is effected.

2,201,393

ENGINE STARTER CONTROL

Kenneth F. Douglas, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application February 1, 1939. Serial No. 254,069
8 Claims. (Cl. 290—38)



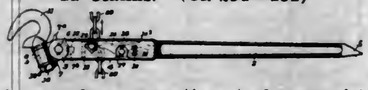
6. In an engine starter control, a starting circuit including a battery, a starting motor, a starting switch and a resistor for reducing the voltage of the battery, a magnetic switch for bridging said resistor, a control circuit for the magnetic switch comprising contacts closed by closure of the starting switch, and means responsive to self-operation of the engine to be started for deenergizing the control circuit.

2,201,394

CAR DOOR OPERATING IMPLEMENT

Thomas H. Edelblute, Reynoldsville, Pa.

Application August 31, 1938, Serial No. 227,729
11 Claims. (Cl. 254—131)



1. A car door operating tool comprising a handle member and an attaching hook universally connected to the handle, the handle having an opening therethrough, a chain engaging pawl pivotally carried by the handle in the opening and a chain stop extending across the opening adjacent the end of the pawl, the opening being closed on all sides to prevent lateral displacement of the chain.

2,201,395

MODIFIED POLYMERS OF METHACRYLIC ACID ESTERS AND PREPARATION OF THE SAME

David A. Fletcher, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 26, 1938, Serial No. 187,025
7 Claims. (Cl. 260—83)

1. Process of preparing a modified polymer of a polymerizable ester of methacrylic acid, which comprises mixing said ester in substantially monomeric form with 3–14 percent. by weight of said ester, of alpha terpineol and subjecting the mixture to polymerizing conditions until said ester is substantially completely polymerized.

2,201,396

ASPHALT AND PROCESS FOR PRODUCING THE SAME

Paul J. Fryar, Berkeley Park, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application January 10, 1938, Serial No. 184,250
15 Claims. (Cl. 196—74)

1. A process for the production of asphalt having characteristics of oxidized asphalt without subjecting the asphalt to substantial oxidation which comprises blending an unoxidized asphalt, a lubricating oil and a compatibility agent.

2,201,397

TIRE CHAIN ANCHOR DEVICE

Seymour Goldenberg, Grantwood, N. J.

Application June 22, 1939, Serial No. 280,543
4 Claims. (Cl. 152—233)



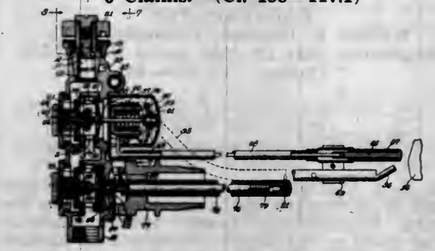
1. A tire chain anchor device comprising a horizontal flat metallic plate element, a flat metallic plate element extending vertically from the middle of said horizontal plate element, said horizontal element extending for a substantial distance beyond said middle point on either side of said vertical element, the free end of said vertical element being provided with an aperture adapted to receive a terminal of said chain, said horizontal element having a lower edge which has a concave shape so as to conform to the periphery of a tire wheel rim.

2,201,398

SAFETY CONTROL FOR GAS BURNING APPLIANCES

John H. Grayson, Lynwood, Calif., assignor to Grayson Heat Control, Ltd., Lynwood, Calif., a corporation of California

Application June 14, 1937, Serial No. 148,036
6 Claims. (Cl. 158—117.1)



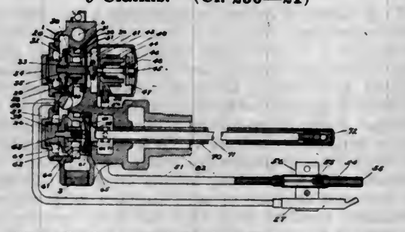
1. In a fuel control device, the combination of a casing, a safety fuel valve therein, a pilot burner, a pilot burner control valve, conduits extending from said control valve into said casing both forwardly and rearwardly of said safety valve, manually operable means for positioning said control valve to supply fuel to the pilot burner from forwardly of the safety valve for starting purposes and for subsequently positioning said valve to supply fuel to the pilot burner from a point rearwardly of the safety valve, and means operable by said manual means for opening said safety valve when the control valve is moved from said first position to said second position.

2,201,399

FUEL CONTROL DEVICE

Wilbur F. Jackson, Compton, Calif., assignor to Grayson Heat Control, Limited, Lynwood, Calif., a corporation of California

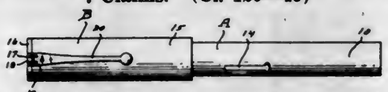
Application January 7, 1938, Serial No. 183,811
9 Claims. (Cl. 236—21)



1. In a fuel control device, the combination of a manually operated shut-off cock, a safety valve and a thermally actuated valve arranged in series in a main conduit, an auxiliary conduit extending from the discharge side of the safety valve to said cock, a pilot burner having communication with the cock, said cock having passages therein arranged in one position of the cock to supply fuel to said burner independently of the other valves and in another position to open the main conduit to the safety valve and to supply fuel from the auxiliary conduit to the burner, means for opening the safety valve upon rotation of said cock from the first to the second position, means responsive to the presence of flame at the burner for holding said safety valve

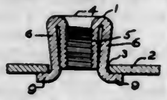
open, adjusting means associated with said thermally actuated valve for setting the temperature at which the same will be operated, a stop, and a member movable with said adjusting means and adapted to engage said stop to prevent moving of said adjusting means above a predetermined setting, said predetermined setting being sufficiently low to preclude opening of the thermally actuated valve, said stop being associated with said cock and arranged to avoid such engagement when the cock is in the second position.

2,201,400
FOUNTAIN PEN
William E. Houston, Columbia, S. C.
Application May 12, 1939, Serial No. 273,351
7 Claims. (Cl. 120—49)



1. In a fountain pen, a barrel having a pen point at its forward end, a sleeve slidable on the barrel, longitudinally spaced circumferentially offset studs on the sleeve co-acting with parallel longitudinal slots in the barrel for guided movement of the sleeve on the barrel, means limiting relative rotary movement between the barrel and sleeve when the sleeve is moved to either end of the barrel, a hinged lid closing the outer end of the sleeve, and means for causing the lid to be opened as the sleeve is slid rearward on the barrel.

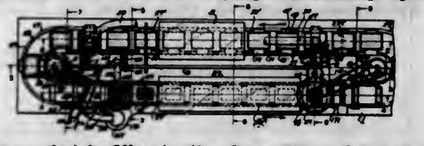
2,201,401
SHEET METAL NUT AND NUT INSTALLATION
Walter I. Jones, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application May 27, 1937, Serial No. 145,059
3 Claims. (Cl. 85—32)



1. A fastener device comprising a tubular portion extending from one end of said device for receiving a cooperating fastener member, and a flat attaching portion extending from the same end of said device as said tubular portion, said attaching portion extending along the side of said tubular portion, and said attaching portion having a bendable portion at its free end adapted to be bent into engagement with one surface of a support and a shoulder means adapted to engage an opposed surface of said support whereby said bendable portion and said shoulder means may cooperate to secure said device to said support.

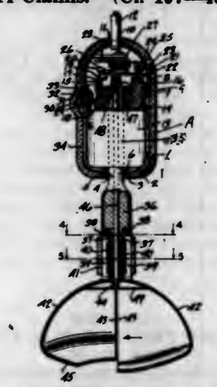
2,201,402
AUTOMATIC SANDWICH-MAKING MACHINE
Henry E. Knaust, St. Louis, Mo., assignor to Vita Sales Corporation, St. Louis, Mo., a corporation of Missouri
Application October 7, 1938, Serial No. 233,759
21 Claims. (Cl. 107—1)

1. A sandwich machine comprising a first oven, a second oven, means for receiving a predetermined quantity of dough and progressing the same through the first oven at a predetermined speed in relation to the temperature of the oven, means for disposing an edible sandwich filler upon the dough after the same leaves the first oven, means for disposing a second predetermined quantity of dough in overlying relationship upon



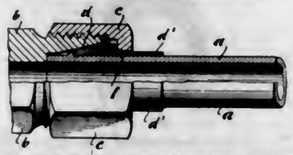
the sandwich filler in the formation of a sandwich, and means for progressing the thus formed sandwich through the second oven for complete baking.

2,201,403
ICE-CREAM SCOOP
Henry E. Knaust, St. Louis, Mo., assignor to Vita Sales Corporation, St. Louis, Mo., a corporation of Missouri
Application April 10, 1939, Serial No. 266,935
14 Claims. (Cl. 107—48)



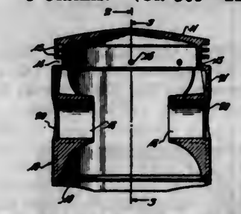
1. An ice-cream scoop comprising, in combination, a pair of companion bowls co-operably shiftable for closing and opening for receiving and discharging a quantity of ice cream, each of said bowls being provided with inwardly extending helical flanges co-operably positioned with respect to each other for propelling said quantity of ice cream into the bowls.

2,201,404
COUPLING FOR TUBES AND PIPES
Hans Kreidel, Wiesbaden, Germany, assignor to Patex Societe Anonyme, Basel, Switzerland, a corporation of Switzerland
Application April 22, 1939, Serial No. 269,539
In Germany February 13, 1939
1 Claim. (Cl. 285—122)



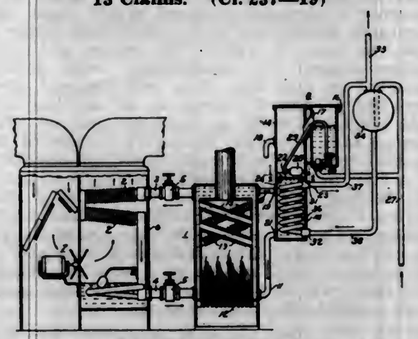
In a pipe joint having a socket with a flaring end and a pipe received therein, a packing ring received about said pipe, one end of said packing ring having a cutting edge adapted to be deflected into biting engagement with said pipe upon movement of said ring with respect to said flaring end, an intermediate enlargement on said packing ring, the other end of said packing ring presenting a relatively thin elongated sleeve portion having an external diameter smaller than that of the first said end, an inclined surface on said ring connecting said enlargement and said sleeve portion, a coupling element bearing upon said inclined surface, said coupling element having a minimum internal diameter appreciably greater than the external diameter of said sleeve portion, said sleeve portion extending along said pipe substantially beyond said coupling element, and means for drawing said coupling element and socket towards one another to urge said cutting edge into biting engagement with said pipe and to produce at a portion of said pipe spaced from said biting engagement, a binding engagement of relatively large area between said sleeve and said pipe in the region of said enlargement.

2,201,405
PISTON
Russell H. McCarroll, Dearborn, Mich.
Application September 7, 1939, Serial No. 293,859
5 Claims. (Cl. 309—11)



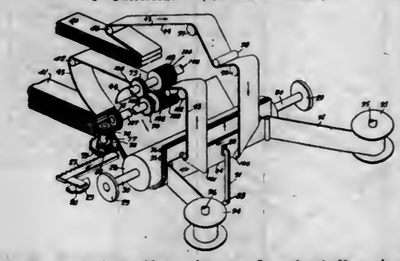
1. A piston for use in internal combustion engines formed of an alloy comprising: carbon 1.00 to 2.00 percent, manganese .50 to 1.50 percent, silicon .50 to 1.50 percent, copper 1.50 to 3.50 percent, sulfur .16 maximum percent, phosphorus .12 maximum percent, iron balance; said piston having a thin head and skirt and a layer of cadmium on the exterior of said skirt.

2,201,406
HOT WATER HEATING ARRANGEMENT
Rudolph A. Miller, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application October 24, 1938, Serial No. 236,622
13 Claims. (Cl. 237—19)



9. A water heating apparatus comprising a tank having an overflow connection and means for operatively connecting said tank in a hot water heating system to function as an expansion tank, means for admitting make-up water to said tank and for maintaining the water in said tank at a substantially constant level comprising an auxiliary receptacle spaced from said tank, means placing the upper portion of said receptacle in communication with the upper portion of said tank at a point above said overflow connection, a valve for admitting make-up water to said receptacle, and a float disposed in said tank below said overflow connection and operatively connected with said valve, a closed heat exchanging device disposed within said tank below said float, connections for placing said device in circulatory relation with a system for distributing the water heated in said device, and baffle means operatively disposed between said device and float and in close proximity to the operative position of the latter to direct rising steam or air bubbles into proximity to the side wall of the tank prior to their reaching the surface of the water therein.

2,201,407
APPARATUS FOR THE MAKING OF CROSS-FEED RECORDS
William C. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Original application February 5, 1936, Serial No. 62,463. Divided and this application February 5, 1937, Serial No. 124,209
6 Claims. (Cl. 197—132)

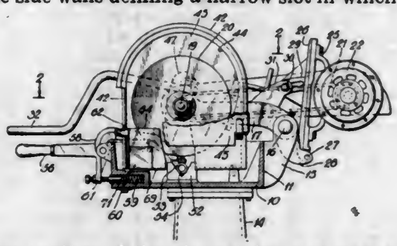


1. In combination in a front-strike typing machine, a typing device having front-striking type associated therewith, a carriage movable relatively to said type, a platen on said carriage, means for supporting a main record on said platen in front of said type, means for holding a pack comprising a relatively narrow zigzag folded supplemental record strip having a width adapted for receiving a single line only of typed characters, means for supporting said record strip in position across said main record in front of said type, means for guiding and directing said record strip from its pack through a position for receiving the impressions from said forwardly-striking type, means for supplying a duplicating agent in association with said record strip, and means for feeding said record strip transversely across said main record and in front of said type.

2,201,408
ADJUSTABLE WATER BOX FOR WET ABRASIVE CUTTING MACHINES
Harry G. Robinson, Stratford, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York
Application March 3, 1938, Serial No. 193,627
11 Claims. (Cl. 51—98)

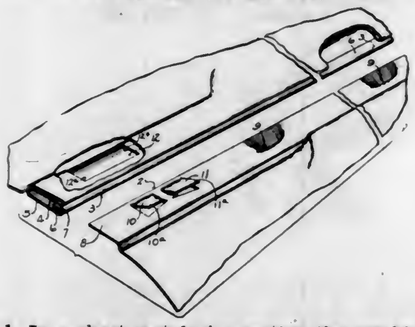
1. The combination in an abrasive cutting machine comprising means for clamping the material to be cut, a thin abrasive disc and a frame on which the said disc is rotatably mounted, said frame being movably mounted to permit it to move the disc bodily in its plane of rotation toward and away from the material, of a conduit for liquid coolant mounted in the plane of ro-

tation of the disc and including relatively movable side walls defining a narrow slot in which the



outer portion of the disc rotates, and means for adjusting said walls to increase and decrease the width of said slot.

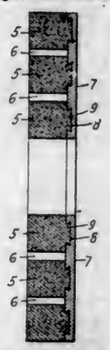
2,201,409
LOCK JOINT FOR SHEET METAL
Anthony G. Siebenlist, Milwaukee, Wis., assignor to Milcor Steel Company, Milwaukee, Wis., a corporation of Delaware
Application May 4, 1938, Serial No. 205,998
3 Claims. (Cl. 138—74)



1. In a sheet metal pipe section the combination of a longitudinal joint comprising a longitudinally extended edge of the sheet folded and refolded to provide a longitudinal slot and another longitudinally extended edge engaging in said slot, one of the side walls of said slot being recessed to form longitudinally spaced and oppositely directed abutment edges, said other longitudinally extended edge providing portions struck up from the plane of the metal to provide longitudinally spaced edges free of the sheet stock and respectively adapted to engage different of said oppositely directed abutment edges whereby to collectively prevent relative longitudinal movement of said engaged edges.

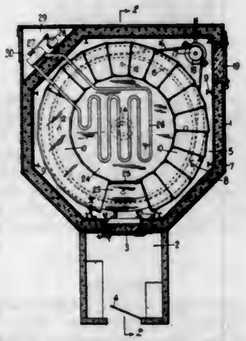
2,201,410
GRINDING WHEEL
Herbert R. Simonds, Dayton, Ohio, assignor to Simonds Worden White Company, Dayton, Ohio, a corporation of Ohio
Application February 15, 1939, Serial No. 256,550
2 Claims. (Cl. 51—209)

1. In a grinding wheel, a disk-like rotatable backing plate having means for rigidly securing the same to a driving element and having a plurality of annular grooves arranged concentric one with the other and with the axis of rotation of said backing plate, said grooves being of a depth less than the thickness of said backing plate and having enlarged inner portions, a plurality of one piece annular grinding elements of bonded abrasive material molded in the respective grooves, extending outwardly therefrom in radially spaced relation one to the other



and having on their outer edges annular grinding surfaces spaced radially one from the other.

2,201,411
COLD STORAGE LOCKER ROOM
Roy W. Smith, Newark, Ohio
Application December 23, 1939, Serial No. 310,769
6 Claims. (Cl. 62—89)



1. In a building structure, a cold storage locker room, said room being insulated, means for refrigerating said room to bring it to a low temperature, a turntable disposed in said room, said turntable embodying a rotatable base plate of disk-like form, a plurality of lockers which are wedge-shaped in horizontal cross-section mounted on said base plate and disposed adjacent the periphery thereof in an annular row, said turntable being so disposed that by rotation of said turntable successive lockers of the annular row will be brought into close proximity to a door in a wall of said room so that access can be had to said lockers, the row of lockers having a space devoid of lockers so that access can be had to the space within the row of lockers, an electric motor for rotating said turntable to bring any of said lockers into position adjacent said door, and means for controlling said motor from a point adjacent the door.

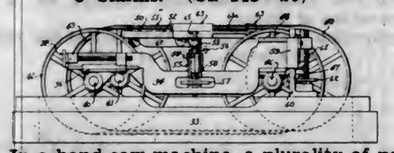
2,201,412
TAMPON
Jacob Stein, New York, N. Y.
Application September 27, 1937, Serial No. 165,819
2 Claims. (Cl. 128—285)

1. A tampon of the character described, comprising a rubber member, an absorbent material enclosing said rubber member, said rubber member being adapted to release an antiseptic ma-



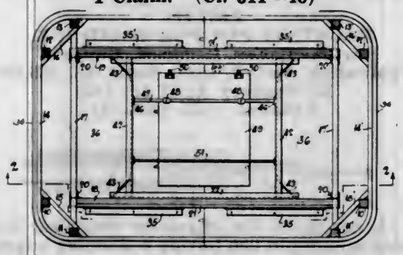
terial into body secretions or emissions contacting therewith.

2,201,413
ANGLE CUTTING MULTIPLE BAND SAW
William B. Turner, San Francisco, Calif.
Application December 10, 1938, Serial No. 244,973
3 Claims. (Cl. 143—20)



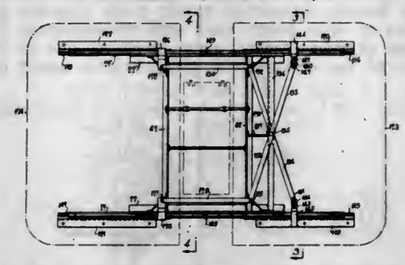
2. In a band saw machine, a plurality of pairs of horizontally spaced band wheels, a band saw running over each pair of wheels, the free runs of said saws being horizontal, means for moving one of said saws vertically to vary the vertical spacing between the two saws, a feed table having a guide along which the work is advanced, said table being positioned with said guide forming an acute angle with the direction of travel of said saws, means for angularly moving said feed table in a horizontal plane to vary the feed angle of the work, and means for varying the vertical distance between said feed table and the lowermost saw.

2,201,414
EXTENSION TABLE
Charles F. Vance, Winston-Salem, N. C.
Application April 20, 1936, Serial No. 75,435
1 Claim. (Cl. 311—48)



An extension table including a main supporting frame, channels extending from end to end thereof and having their ends rigidly secured to the opposite ends of the frame, and constituting a part of the main supporting frame, slides telescopically connected with the outer ends of the channels, table leaves secured to these slides, and an inner frame of rectangular form fitted between the channels, the adjacent sides of which inner frame are rigidly secured to the inner sides of the central portions of the channels, whereby to brace and reinforce the latter throughout the width of the space between the table leaves when they are extended.

2,201,415
EXTENSION TABLE
Charles F. Vance, Winston-Salem, N. C.
Original application April 20, 1936, Serial No. 75,435. Divided and this application February 18, 1938, Serial No. 191,347
1 Claim. (Cl. 311—74)



In an extension table, the combination of rail members in spaced parallel relationship, extension leaves supported by and slidably connected therewith, an inner frame comprising slides and ends, the latter secured between and to the centers of the rail members, a strut outside of the frame and parallel to the sides thereof, a brace extending from the center of the strut to one side of the frame, a lever pivoted at its center to the center of the strut, a link pivotally connected with one end of the lever and extending directly across the inner frame, and having its other end pivotally connected with one of the extension leaves, and the other end of the lever having a sliding pivotal connection with the other extension leaf.

2,201,416
CONTAINER
Melvin Wagner, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application December 7, 1936, Serial No. 114,651
5 Claims. (Cl. 229—3.5)

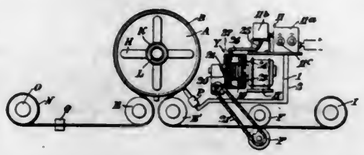


1. A new article of manufacture for use as a material for forming a container comprising the combination of a sheet of paper, a layer of solvent-free thermoplastic resinous varnish superimposed thereupon and bonded thereto by a bond formed therebetween in the presence of solvent and an exposed superimposed preformed sheet-like thermoplastic medium mounted on the solvent-free surface of said varnish and adhesively adhering thereto, said thermoplastic medium being bonded to the solvent-free varnish layer by a bond formed therebetween under the action of heat but in the absence of solvent.

2,201,417
APPARATUS FOR HEAT TREATING STRIP METAL
William R. Webster, Bridgeport, Conn.
Application June 3, 1937, Serial No. 146,153
3 Claims. (Cl. 266—3)

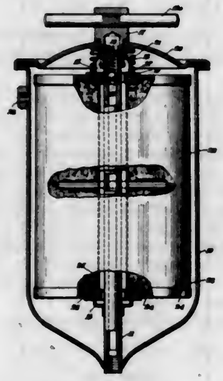
1. In a device for heat treating strip metal wherein a rotatable hollow body with heating means for said body located within the same, an electric driving motor and pinch rolls adapted to be driven by said motor and engaging the strip to be heated whereby the latter is drawn over and in contact with said body are provided, a

temperature responsive detecting device located adjacent the strip as it leaves the heating body and outside of the latter, an electric balancing motor drive operable through said temperature responsive detecting device and a variable speed device interposed between said first named electric motor and said pinch rolls, and operated by said electric balancing motor drive whereby the speed of said pinch rolls and consequently the speed of said feeding strip is responsive to the heat of the strip itself, said variable speed de-



vice including a grooved input disk and a grooved output disk, the first coupled to said electric motor and the second connected through intermediate means to one of said pinch rolls, tiltable rolling disks engaging both said input and output disks in the hollow portions thereof and means for connecting said rolling disks with said electric balancing motor drive to so tilt said rolling disks in said groove whereby the speed imparted to said output disk by said input disk may be varied.

2,201,418
FILTER
Lewis W. Williams, Short Hills, and George A. Arnold, Chatham, N. J., assignors to Motor Improvements, Inc., Newark, N. J., a corporation of Delaware
Application August 31, 1937, Serial No. 161,728
8 Claims. (Cl. 210—131)

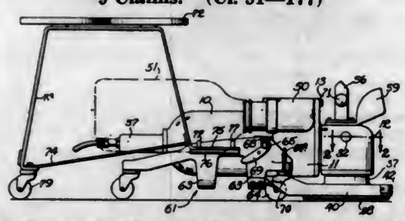


1. In a filter, a shell, a threaded hollow post within said shell, a cover for said shell, a nut rotatably connected to said cover for cooperation with said threaded post to fasten said cover to said shell, a filtering unit surrounding said post, said post having a port leading to said filtering unit, a support within said casing with which one end of said unit engages, a member slidably supported by said nut for engagement with the other end of said unit and a spring interposed between said cover and said member.

2,201,419
PROCESS OF TREATING IMPURE SUCROSE BEARING MATERIALS
William H. Young, Burlingame, Calif.
No Drawing. Application March 16, 1938, Serial No. 196,217
6 Claims. (Cl. 127—46)

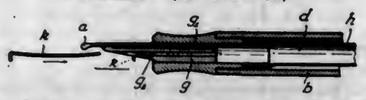
1. In the method of recovering sucrose from impure solutions where alcohol and an alkaline earth oxide or hydroxide are used to precipitate the impurities, the step of treating the press cake remaining after filtration for the recovery of residual sucrose by washing the press cake with a solution of alcohol and water adjusted to the alkalinity of the treated mother liquor prior to filtration by the addition of a small amount of an alkaline earth oxide or hydroxide.

2,201,420
ABRADING MACHINE
Hugo M. Zschau, Chicago, Ill., assignor to Wodack Electric Tool Corporation, Chicago, Ill., a corporation of Illinois
Application September 13, 1937, Serial No. 163,554
9 Claims. (Cl. 51—177)



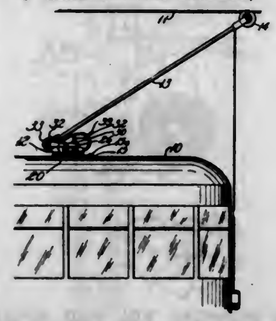
1. In an abrading machine, the combination of a horizontally elongated casing, power means mounted in said casing, a discoidal abrading member mounted on said casing and drivingly connected with said power means, a carriage having an upwardly facing recess dimensioned to receive the horizontal body of said casing, horizontally alined pivotal connections between said casing and carriage, and means for normally holding the abrading member out of engagement with the work except when the operator effects such engagement.

2,201,421
FOUNTAIN PEN FOR SOLID INK
Arthur Baláz, Budapest, Hungary
Application April 1, 1939, Serial No. 265,382
In Hungary April 23, 1938
2 Claims. (Cl. 120—42)



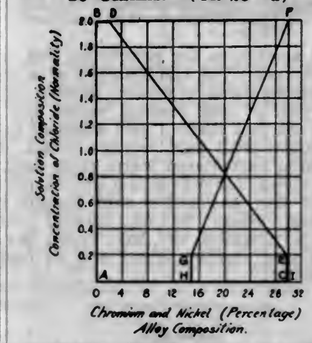
2. A device of the character described comprising a fountain pen having a chamber adapted for the insertion of solid ink from the outside, wherein the said chamber constitutes a filling canal issuing by its inner end directly into the space for the storage of liquid of the penholder, the said canal being of such form as to enable the solid ink to be pushed from the outside directly into the interior of said space for the storage of liquid, and a push rod of such length for the filling canal as to enable the solid ink to be pushed by hand, with the aid of said push rod, into the space for the storage of liquid, the said filling canal constituting a straight opening and said push rod being bent so that it may fix itself resiliently within said straight canal.

2,201,422
PRESSURE ARM STRUCTURE
John D. Beebe, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 18, 1939, Serial No. 274,411
5 Claims. (Cl. 191—69)



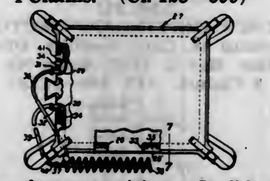
1. A trolley pole mounting for supporting the pole for swinging movement against resilient pressure, said mounting comprising an inner member, an outer circumferentially discontinuous sleeve member, one of said members being held against rotation and the other of said members being adapted to support the pole, and a body of resilient rubber-like material mounted between said members in a manner to resist swinging movement of the pole by torsional stress on said body of rubber-like material and to provide electrical and vibration insulation between said members, means being provided for holding said outer sleeve member and body pressed toward said inner member.

2,201,423
PROCESS FOR TREATING LIQUIDS CONTAINING NITRIC AND HYDROCHLORIC ACIDS
Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application June 21, 1938, Serial No. 214,908
10 Claims. (Cl. 23—1)



5. In a process for the recovery of an alkali metal nitrate by evaporation of an aqueous solution of the same containing nitric acid and a substantial concentration of hydrochloric acid, that improvement which comprises heating the solution to evaporate it in contact with surfaces composed of a chrome-iron alloy containing about 28% chromium, less than 2% nickel and the remainder principally iron, maintaining said surfaces completely wetted with said solution, maintaining the chloride concentration in the solution not above 1.7-normal, maintaining a concentration of the nitric acid in said solution substantially greater than the concentration of said chloride and upward to 50% HNO_3, and heating said solution under a pressure below atmospheric at which water vapor is evolved from the solution.

2,201,424
WATER BAG
Fritz Berger, Pasadena, Calif.
Application September 2, 1939, Serial No. 293,215
4 Claims. (Cl. 128—399)



1. A water bag comprising a flexible receptacle including an opening and a closure therefor, a conduit secured to the inner periphery of said bag including an inlet and an outlet, means to connect said conduit with a refrigerating unit whereby a refrigerant may flow through said conduit, a plurality of projecting spaced lugs on the exterior of said conduit and engaging the top and bottom of the bag.

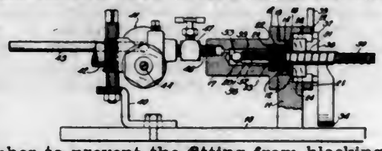
2,201,425
ALLOY STEEL
Karl Torkel Berglund, Sandviken, Sweden, assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden, a company of Sweden
No Drawing. Application April 28, 1938, Serial No. 204,754. In Sweden May 3, 1937
2 Claims. (Cl. 75—125)

1. An alloy steel of the martensitic type, which is stainless in the hardened condition, characterized by containing when in hardened condition substantially all of the carbides in the cubic phase and possessing great hardness and wearing strength, comprising as its principal alloying ingredients carbon in the proportion of 0.20 to 1.35%, chromium in the proportion of 10 to 22%, nickel less than 0.20%, phosphorus less than 0.05%, molybdenum in the proportion of 0.20 to 5%, cobalt in the proportion of 0.20 to 5%, copper in the proportion of 0.20 to 5%, the remainder being iron with impurities in an amount which will not alter the properties of the alloy.

2,201,426
GREASE INJECTING APPARATUS
Otto J. Bratz, Adrian, Mich., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York
Application February 15, 1937, Serial No. 125,714
6 Claims. (Cl. 285—163)

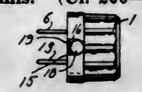
1. An apparatus for injecting grease into a tubular member and about an elongated element embraced thereby, said element projecting at opposite ends thereof from said member and provided with end fittings too large to pass through the bore of the tubular member, said apparatus comprising a body formed with a grease chamber having a mouth through which an end of the tubular member and element may be introduced, means for effecting a seal at said mouth about said end of the tubular member, means for introducing grease under pressure into the chamber and thence into the tubular member, and

means for holding the fitting at the inserted end of said element clear of said end of the tubular



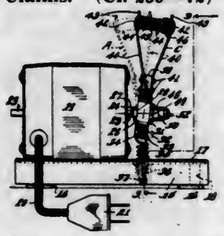
member to prevent the fitting from blocking the bore of said member.

2,201,427
FUSE CARRYING CONNECTOR
Lyman W. Carr, Fostoria, Ohio
Application May 5, 1938, Serial No. 206,179
2 Claims. (Cl. 200—115.5)



1. An electric attachment insulation body having a connection face, a pair of parallel conductor prongs protruding therefrom, there being a way transversely of the prongs through the body, a pair of parallel spaced terminals in the body, one of said terminals being directly connected to a prong, the other terminal having an offset extension therefrom providing a first conductor seat in the way, and a second conductor seat in the way spaced from the first seat and having a conductor extension to the other prong, said seats and way providing a socket for a replaceable fuse.

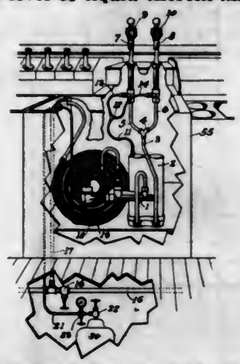
2,201,428
DENTAL AMALGAMATOR
Edward L. Chott, Chicago, Ill., assignor of one-half to Hugo J. Chott, Chicago, Ill.
Application March 16, 1939, Serial No. 262,118
8 Claims. (Cl. 259—72)



1. In an amalgamator, a motor, a shaft operated by said motor, a cylindrical bushing eccentrically mounted on said shaft with its longitudinal axis at an acute angle to said shaft, and mortar supporting means loosely mounted on said bushing and extending substantially radially thereto, and means preventing rotation of the mortar supporting means with said shaft.

2,201,429
CARBONATING APPARATUS AND COOLING UNIT
Cyril P. Deibel, Lakewood, Ohio
Application January 7, 1939, Serial No. 249,788
3 Claims. (Cl. 225—28)

1. A carbonator unit of the character described for producing, storing and cooling carbonated water comprising a carbonator, a storage and cooling vessel disposed in open communication with said carbonator, a discharge pipe leading from said vessel, a draft arm connected with said discharge pipe, a vent pipe having its inlet end disposed within said vessel at a point slightly below the normal level of liquid therein and having its



outlet end connected with said discharge pipe and having a restricted delivery opening whereby to permit excess free gas to be slowly vented through said draft arm.

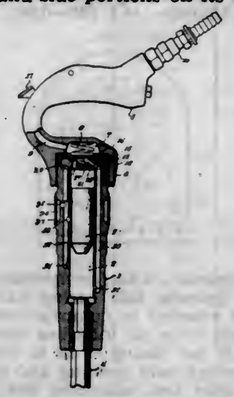
2,201,430
APPARATUS FOR PRODUCING AND STORING CARBONATED WATER
Cyril P. Deibel, Lakewood, Ohio
Application January 7, 1939, Serial No. 249,790
4 Claims. (Cl. 261—11)

1. In an apparatus for producing and storing carbonated water, the combination of a storage vessel, a carbonating chamber formed integral with one wall of said storage vessel and lying within the contour thereof and disposed in open communication with said storage vessel, means for dispensing carbonated water from said storage vessel, means for preventing any excess accumulation of free gas within said storage vessel, said storage vessel having formed integral therewith a plurality of fins which serve to strengthen said storage vessel and to facilitate cooling thereof.

2,201,431
DISTRIBUTING VALVE FOR PNEUMATIC HAMMERS
Cecil N. Douglass, Aurora, Ill., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware
Application October 21, 1938, Serial No. 236,181
7 Claims. (Cl. 121—22)

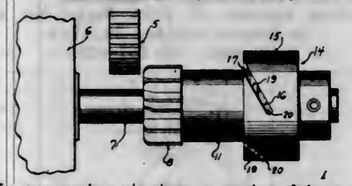
1. A pneumatic tool, comprising a cylinder, a hammering piston reciprocable within said cylinder, means providing a concave groove at one

end of the cylinder and having ports for connecting the opposite sides of the groove with the opposite ends of the cylinder, and a substantially semi-tubular fluid actuated distributing valve located within said groove, said valve having arcuate mid and side portions on its undersurface



on substantially the same radius and being mounted within the groove with said mid-portion in rolling contact with the bottom wall of the groove between said ports and said side portions opposite said ports to alternately open and close the same in the rolling action of the valve on its mid-portion transversely of the groove.

2,201,432
ENGINE STARTER
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application August 28, 1937, Serial No. 161,434
15 Claims. (Cl. 74—9)



1. In an engine starter: a motor driven shaft; a pinion movable longitudinally and rotatably with respect thereto; a screw connected with the pinion; a nut member having a threaded engagement with the screw and free to move longitudinally and rotatably with respect thereto; a driving connection between the shaft and the nut member so that rotation of the shaft in one direction advances the pinion longitudinally with respect to the shaft; and means operable upon relative rotation between the shaft and the nut member in said direction for moving the nut member longitudinally in a direction to retract the pinion.

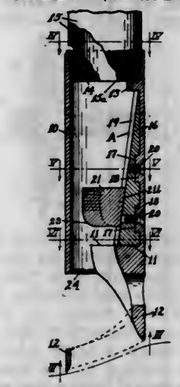
2,201,433
LINER HANGER
Keith Ford, Long Beach, Calif., assignor, by direct and mesne assignments, of two-thirds to E. B. Hall, Los Angeles, Calif., and A. L. Armentrout, Long Beach, Calif., and one-third to V. P. Baker, Los Angeles, Calif.
Application January 16, 1939, Serial No. 251,055
1 Claim. (Cl. 166—1)

A hanger for suspending a liner in a well comprising a body having a cone, slips operable outwardly by the cone to grip the wall of the well, means holding the slips against operation releasable by turning of the body, means rotatably connecting the lower end of the body with the liner so that the body may be freely turned relative to the liner to release the first named means



in the event the liner is non-rotatable in the well, and frangible means associated with the last mentioned means preventing relative rotation between the body and liner so that the liner may turn with the body when the liner is free for such turning and adapted to fail under a given rotational strain when the liner is non-rotatable in the well.

2,201,434
FISHING TOOL
Clarence J. Gallagher, Gridley, Kans.
Application February 10, 1940, Serial No. 318,280
5 Claims. (Cl. 294—102)



1. In a fishing tool; a tubular element, the upper end of said tubular element being internally threaded to receive a tubular supporting element, a stop element in said tubular element and below said threaded portion of the tubular element, a shoulder, said shoulder being positioned at the bottom of the tubular element and extending well toward the center axis of the tubular element and leaving an elliptical shaped opening in the bottom of the tubular element, said shoulder element developing into a spiral hook shaped element depending from the bottom of the tubular element and all inner face portions of the hook shaped element being directed

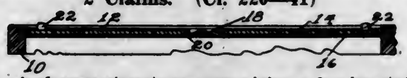
toward said elliptical opening, and wedge engaging means in said tubular element and being positioned between said stop element and shoulder element.

2,201,435

CLOSURE FOR BEVERAGE COOLERS

Robert H. Guyton, River Forest, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware

Application August 13, 1936, Serial No. 95,826
2 Claims. (Cl. 220—41)



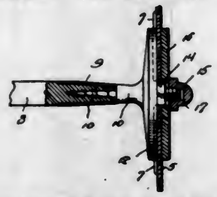
1. A closure structure comprising a horizontally positioned frame having a substantially rectangular opening and parallel horizontal slideways formed along opposite sides thereof, two sliding covers adapted when side by side on said slideways substantially to close said opening and adapted to slide on said slideways, a bar extending across said opening between said slideways and secured thereto in a position to close a narrow opening between said covers when side by side, said bar having inclined surfaces throughout its length rising to a central ridge extending across the entire width of said opening and positioned slightly above the adjacent top surfaces of said covers, the inner edges of said covers being adjacent said bar and beveled along their under edges and throughout the width of each cover to provide surfaces substantially parallel to the adjacent surfaces on said bar, and handles projecting from the upper surface of said covers adjacent the outer edges thereof.

2,201,436

HOE

Charles Robert Jones, Rossville, Ga.; Charles Robert Jones, Jr., administrator of said Charles Robert Jones, deceased

Application March 13, 1937, Serial No. 130,788
1 Claim. (Cl. 306—26)



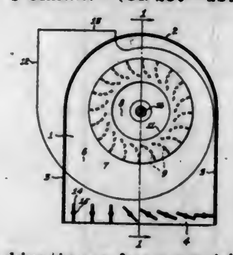
A hand hoe including a compound blade having a plurality of working edges and provided with a polygonal central opening and ribs on one face thereof radiating from said opening, a shank provided at one end with means for attaching the same to a handle and formed at the opposite end with a relatively large bracing plate contacting the major central portion of the inner surface of said blade and a central polygonal stem projecting forwardly from said plate and fitting in the polygonal central opening of said blade, said stem having a reduced cylindrical threaded outer end portion, a second relatively large bracing plate arranged on said stem and contacting the major central portion of the outer surface of the blade, said second plate having a polygonal central opening in which said polygonal stem is also fitted, one of said plates having radiating grooves receiving said ribs of the blade, and a nut threaded on the outer end portion of said stem for securing the plates and blade in compacted relation.

2,201,437

VOLUME CONTROL FOR FANS

Murray S. Kice, Jr., Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware

Application May 26, 1937, Serial No. 144,892
5 Claims. (Cl. 230—114)



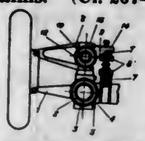
1. In combination, a fan comprising a fan casing, a rotor therein, said casing having a side inlet opening adapted to communicate with the interior of said rotor, an inlet box mounted with respect to said fan casing so as to communicate therewith through said opening and through the side of said inlet box, said inlet box comprising an arcuate end and longitudinally extending walls to form an open end into said box, and a plurality of independently operable transversely disposed dampers arranged across said inlet box, whereby the amount of whirl of gas leaving said box and the volume of gas entering the box may be controlled, said dampers being arranged with their rotating axes parallel to the axis of the fan rotor, said damper axes being arranged in the same plane.

2,201,438

INDEPENDENT WHEEL SUSPENSION

Léon Edgard Laisne, Levallois Perret, France, assignor to Bendix Aviation Corporation, Chicago, Ill., a corporation of Delaware

Application October 25, 1935, Serial No. 46,784
In France October 29, 1934
7 Claims. (Cl. 267—20)



1. In a vehicle having a frame, an oscillating lever, a wheel supporting axle carried by one end of the lever, connecting means between the lever and the frame comprising a supporting member and a split hub, resilient means including a rubber liner interposed between the supporting member and the split hub and wrapped around the supporting member adapted to yieldingly connect the axle to the frame to absorb shocks transmitted from the axle to the frame, and yielding means interposed between said lever and frame and being proportioned to interpose increasing resistance as the load on the vehicle is increased.

2,201,439

SHOE AND METHOD OF MAKING SAME

Eugene Lalli, Lebanon, N. J., and Oliviero Castagnola, Brooklyn, N. Y.

Application March 30, 1938, Serial No. 198,956
3 Claims. (Cl. 12—142)

2. In a process of making a cement shoe comprising placing on the forepart of a bare last a narrow strip, lasting a lining over the last and

connecting the edges of the lining to the side edges of the strip, lasting an upper to the fore-



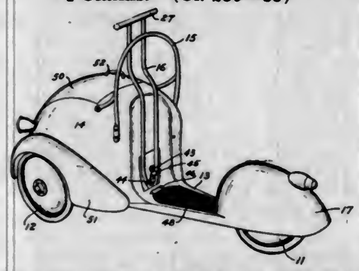
part portion of the lining which is not connected to said strip, and cementing an outsole to the lining, upper and strip.

2,201,440

VEHICULAR TOY

David H. Letourneau and Laurence W. Finch, Milwaukee, Wis., assignors of one-third to Marie Grotelueschen, Milwaukee, Wis.

Application March 21, 1938, Serial No. 197,174
4 Claims. (Cl. 280—88)



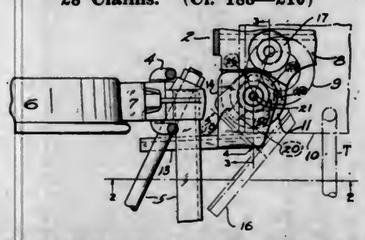
1. A land vehicle comprising, a chassis, front steering wheels rotatably suspended from the opposite sides of the front portion of said chassis, a rear supporting wheel rotatably suspended from the rear portion of said chassis, said chassis having a passenger deck disposed considerably beneath the horizontal plane of the axes of said wheels, steering arms for said front wheels extending forwardly from the axles thereof, a brake disposed forwardly of the axle of said rear wheel, and a common tiltable lever pivotally suspended from said chassis and connected with said steering arms and with said brake for swinging said steering arms and for applying said brake.

2,201,441

BRAKE GEAR SAFETY GUARD

David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application July 2, 1938, Serial No. 217,165
28 Claims. (Cl. 188—210)



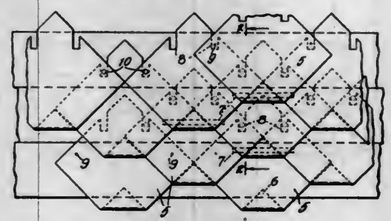
1. In a railway truck, a side frame, a bolster spring carried thereby, and a brake gear support device pivotally mounted on said frame to swing into and out of functioning position and retained in assembled relation with said frame by said spring.

2,201,442

SHINGLE

Ralph R. Mabie, Jr., Santa Monica, Calif.

Continuation of application Serial No. 145,743, June 1, 1937. This application August 1, 1939, Serial No. 287,694
5 Claims. (Cl. 108—7)



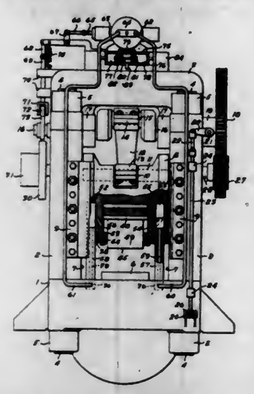
3. A composition, flexible rectangular shingle provided with a lower corner and two upper edges and a securing means at its lower corner and provided with cut-out portions in its upper edges respectively at points on opposite sides of its vertical center line of a size to receive a fastening means for an overlying shingle and to permit free relative movement between the shingle and the fastening means for an overlying shingle.

2,201,443

AUXILIARY HYDRAULIC DEVICE FOR PRESSES

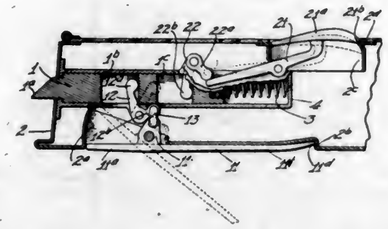
Howard F. MacMillin, Mount Gilead, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware

Original application August 16, 1934, Serial No. 740,148, now Patent No. 2,128,152, dated August 23, 1938. Divided and this application August 24, 1936, Serial No. 97,578
10 Claims. (Cl. 100—70)



7. In combination in a press, a mechanically movable platen, a double-acting piston and cylinder assembly adapted to provide additional movement to the movement produced by said platen, a hydraulic pump connected to said piston and cylinder assembly to actuate the same, means responsive to the attainment of a predetermined pressure for reducing the flow from said pump to said assembly, and a pressure-generating piston and cylinder assembly operated by the motion of said platen and adapted to provide pressure fluid above said predetermined pressure.

2,201,444
AUTOMOBILE DOOR LATCH OPERATING MEANS
Howard E. Marsh, Ventura, Calif.
Application October 12, 1938, Serial No. 234,581
2 Claims. (Cl. 292—165)



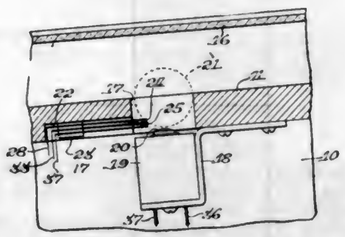
1. In a means of the class described, the combination with a door, of a latch member movably mounted in the door, a spring normally forcing the outer portion of the member beyond the edge of the door, a latch operating member movably mounted in a recess in the side of the door and normally flush with the door, means connecting the operating member to the latch member for drawing the latter inwardly when the operating member is shifted from its flush position, and a spring latch for holding the latch operating member normally flush with the door, said latch forming a resilient part of the door adjacent the recess.

2,201,445
BRAKE DRUM
Philip M. Miller and Richard B. Miller, Cleveland, Ohio, assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 26, 1931, Serial No. 565,331
6 Claims. (Cl. 188—218)



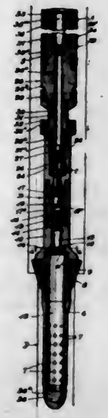
1. A brake drum comprising an annular member of rolled sheet metal having a transverse wall and radial walls, said transverse wall being rolled outwardly and provided with openings, an annular member of cast material molded in the inner face thereof and having the material passed through said openings and forming projections on the outer face thereof for fastening the parts together.

2,201,446
BALL ROLLING GAME
Raymond T. Moloney and Frank G. Nicolaus, Chicago, Ill.; said Nicolaus assignor to said Moloney
Application October 7, 1937, Serial No. 167,730
5 Claims. (Cl. 273—118)



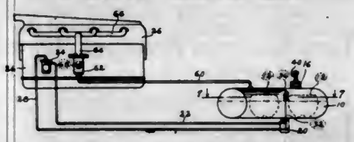
1. For a ball rolling game having a substantially horizontal table over which a ball is rollable, said table formed with a pocket adapted to receive a ball, an electromagnetic device disposed below the pocket, a circuit for said device including a switch closable by a ball in the pocket to establish the circuit and energize the device to pop up the ball lodged in said pocket, and means in the circuit and controlled by said ball for delaying the action of the device for a predetermined interval.

2,201,447
FLUID TAKING TOOL FOR OIL WELLS OR THE LIKE
Samuel A. Mullins, Beaumont, Tex.
Application May 27, 1938, Serial No. 210,499
13 Claims. (Cl. 166—1)



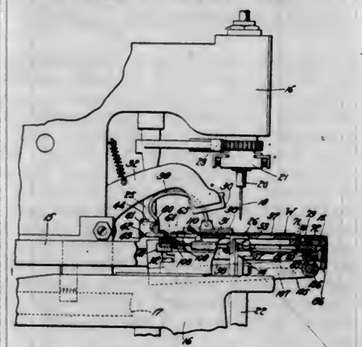
1. In a testing and sampling tool for oil wells and the like, means providing a conduit for the fluid to be sampled, a seal closing one end of said conduit, one or more projectiles loaded with an explosive substance mounted above said seal, a hammer member slidably mounted above said projectiles for firing the explosive charges thereof, and radially movable latch means carried by said hammer member, and latch holding means for releasing said hammer member releasable through super or sub-atmospheric pressure for releasing said hammer member.

2,201,448
FUEL FEEDING DEVICE FOR INTERNAL COMBUSTION ENGINES
Harry Alfred Myers, Dayton, Ohio, assignor of one-third to William A. Armstrong and one-third to David T. Barton, both of Dayton, Ohio
Application September 7, 1937, Serial No. 162,719
3 Claims. (Cl. 261—115)



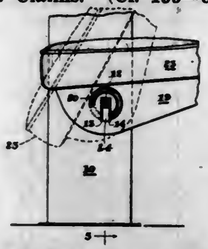
1. A fuel supply system for internal combustion engines utilizing volatile fuels gasifiable at ordinary atmospheric temperatures, said system including a tank having liquid fuel in the bottom thereof providing gaseous fuel storage means above the level of the fuel, means for gasifying the liquid fuel, said means including pump mechanism actuated by the engine withdrawing liquid fuel from the tank and returning the fuel to the tank in the form of a spray so as to atomize the liquid fuel, said spray being formed above the liquid level in the tank, said tank having an opening above the level of the liquid fuel, a check valve mounted in the opening permitting air to be drawn into the gaseous fuel storage means but retaining the gaseous fuel therein, said tank having an outlet above the level of the liquid fuel, means for connecting the outlet to the combustion compartment of the engine, and means disposed between the combustion compartment and the gaseous fuel supply for throttling the engine, the vacuum created in the combustion compartment causing the air to be drawn into the gaseous fuel storage means where it is mixed with volatile gases and drawn into the combustion compartment for ignition.

2,201,449
SEWING MACHINE
Walter E. Nichols, Milton, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application May 10, 1939, Serial No. 272,780
12 Claims. (Cl. 112—74)



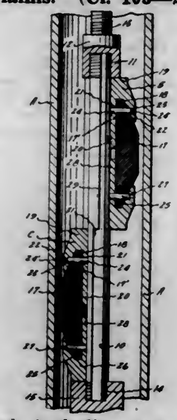
1. In a sewing machine, the combination of two work clamps guided for movement to and from each other; stops limiting movement of the clamps toward each other only; and means including a single member immovable in the direction of the clamp movement for simultaneously adjusting said stops on manipulation of said member.

2,201,450
SEAT HINGE
Henry P. Nordmark, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application October 15, 1937, Serial No. 169,099
2 Claims. (Cl. 155—85)



1. A seat hinge for a chair comprising a spindle having a portion thereof provided with an embracing and fixedly secured resilient hub member to whose circumference a seat is fixedly secured, one end of said spindle being non-rotatably attached to a chair standard having a stop secured thereto, said seat having a laterally projecting broken ring whose one end is adapted to resiliently engage said stop when the seat is occupied and whose opposite end is adapted to resiliently engage said stop when the seat is unoccupied.

2,201,451
WELL SWAB
Benjamin E. Parrish, Dallas, Tex.
Application February 27, 1937, Serial No. 128,047
21 Claims. (Cl. 103—225)

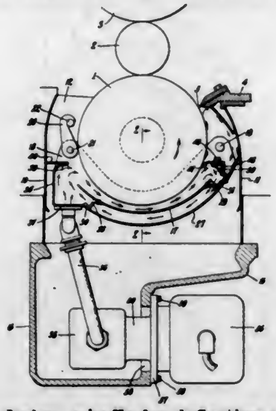


1. A well swab including, a mandrel having vertical grooves therein, a packing assembly mounted on the mandrel and including a pair of units which are arranged to be displaced out of horizontal alinement with each other to permit the well fluid to freely by-pass the assembly on the downstroke of the swab, and means on each unit for engaging the grooves of the mandrel for retaining said units on said mandrel.

2,201,452
INTAGLIO PRINTING MECHANISM
Willard M. Pollock, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application September 11, 1937, Serial No. 163,336
8 Claims. (Cl. 101—157)

1. An intaglio printing press including in com-

bination a design cylinder, a fountain surrounding the bottom of the design cylinder, means at the rear of the fountain for projecting ink in a stream along the cylinder and against the design, means for confining and guiding the ink stream about the lower part of the cylinder in contact



with the design, a baffle for deflecting and reversing the stream of ink flowing forwardly about the cylinder and within the fountain, and means for unobstructedly returning the flowing stream of ink to said projecting means at the rear of the fountain by the inertia of the ink moved by the rotating cylinder.

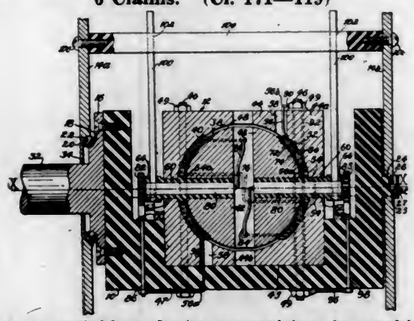
2,201,453

VARIABLE INDUCTOR

John P. Putnam, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine

Application September 3, 1938, Serial No. 228,265

6 Claims. (Cl. 171—119)



1. A variable inductor comprising, in combination, a plurality of conductively connected coils; a ferro-magnetic rotor shell carrying one of said coils on its internal wall; a ferro-magnetic stator core non-conductively rotatably mounted in said shell and carrying the other coil on its circumference in inductive relation with said one coil; a rotatable cage of insulating material on which said shell is mounted; and means for holding said core against rotation.

2,201,454

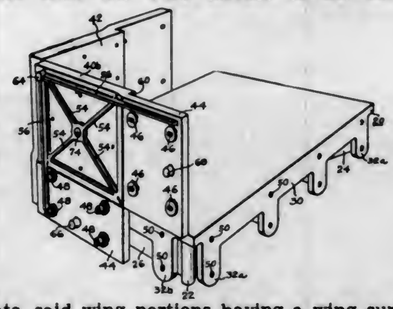
SURFACE PLATE ASSEMBLY

Albert B. Reich, Dayton, Ohio

Application March 22, 1939, Serial No. 263,463

10 Claims. (Cl. 33—174)

1. A surface plate assembly including a surface base plate having tripod supporting portions interconnected by a web-like truss network spanning the distance between the supporting portions and a plurality of marginally disposed downwardly projecting bosses interconnected to the web-like truss network by flange portions, an angle bracket having an abutment surface disposed at right angles to the work surface of the surface plate, said angle bracket including a pair of wing portions extending at right angles with respect to each other from the work surface of the surface



plate, said wing portions having a wing surface parallel to but offset from the plane of the abutment surface so as to form shoulders between the abutment surface and the wing surface, one of said shoulders resting upon the edge of the surface plate, one wing portion extending downwardly so as to overlap and contact downwardly projecting bosses, and means for securing said wing portion to the bosses, the other wing portion extending in aligned relation with the outer edge of the surface plate.

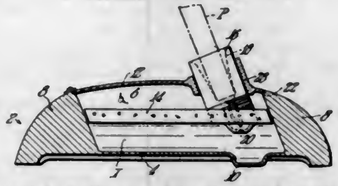
2,201,455

INK DISPENSING DEVICE

Archie D. Robinson, Westfield, Mass.

Application June 6, 1938, Serial No. 212,097

5 Claims. (Cl. 120—71)



1. An ink well comprising in combination, a receptacle for ink having an opening in its upper side, a closure member overlying said opening and provided with an aperture, a normally horizontally-disposed float member entirely within said receptacle and automatically movable up and down therein in horizontal planes as the level of the ink therein rises and falls, a tubular socket member extending upwardly from said float member through said aperture and movable up and down as said float member moves, said socket member being adapted to receive and support a pen inserted from without said receptacle, and guide means around said aperture for guiding said socket member as it moves with the float member.

2,201,456

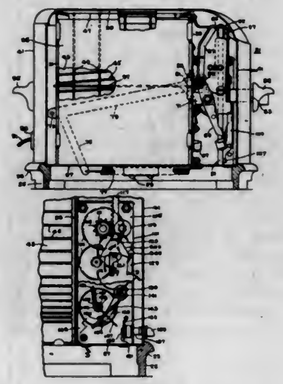
MECHANICAL TIMER FOR TOASTERS

Robert Sardeson, Minneapolis, Minn., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware

Application August 19, 1937, Serial No. 159,880

17 Claims. (Cl. 161—16)

3. In a mechanical timer for controlling the duration of an operating period of an automatic toaster including an electric toast heating element, a bread slice support movable into toasting and non-toasting positions relatively to said toast heating element and yieldingly biased to non-toasting position, means to move the bread support into toasting position and a detent for holding the bread support in toasting position, said timer comprising a spring driven means connected to act on said detent to cause release thereof after a time interval and a retarding means connected with said spring for delaying release of



said detent and including a gear train, a crank disc driven by said gear train and having a crank pin thereon, a connecting rod reciprocally operable by said crank pin, a rotatably mounted balance wheel, an arm resiliently connected with said balance wheel and extending substantially radially of the axis of said balance wheel and slidably and pivotally connected with said connecting rod and means supported substantially coaxially with said crank disc for varying the point of engagement of said connecting rod with said arm to vary the rotative speed of said balance wheel.

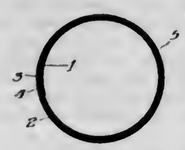
2,201,457

MOISTUREPROOF SAUSAGE CASING AND METHOD OF MAKING SAME

John Paul Smith and William Franklin Henderson, Chicago, Ill., assignors to The Visking Corporation, Chicago, Ill., a corporation of Virginia

Application May 3, 1937, Serial No. 140,318

12 Claims. (Cl. 99—176)



12. A casing suitable for sausage and like products comprising a tube of paper having a continuous moistureproof lining of rubber hydrochloride adhering to said paper substantially at its surface and on the side of the paper forming the interior wall of the tube, and regenerated cellulose throughout the fibers and interstices of the paper.

2,201,458

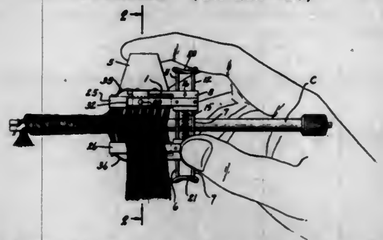
PERMANENT WAVING

Eugene F. Suter, New York, N. Y., and Charles Kropacsy, London, England, assignors to Eugene, Ltd., New York, N. Y., a corporation of New York

Application February 7, 1939, Serial No. 255,012

In Great Britain February 10, 1938

9 Claims. (Cl. 132—33)



8. A winder for preparing hair for permanent waving including in combination means rotatable about a curler for engaging a tress and winding same on the curler, said means comprising a brush adapted to engage the hairs of the tress and wrap them around the curler, said brush being capable of retaining a substantial quantity of permanent waving fluid and releasing same onto the hair being wound.

2,201,459

PROCESS FOR SOLIDIFYING EARTH

Jan van Hulst, Amsterdam, Netherlands, assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

No Drawing. Application April 26, 1933, Serial No. 668,033. In the Netherlands October 28, 1931

6 Claims. (Cl. 61—36)

1. A process for making impervious or fixing pervious or loose sub-soil layers, such as sand soils, and other porous masses, which consists in causing an aqueous dispersion of a bituminous substance to penetrate to a predetermined depth into the soil or mass to be treated, and thereafter causing said dispersion to coagulate.

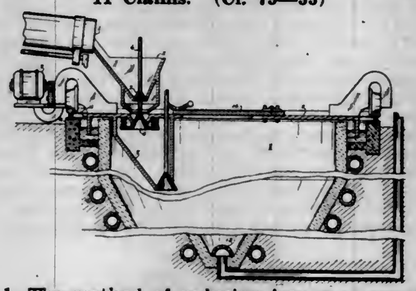
2,201,460

METALLIC REDUCTION PROCESS

Russell H. Varian, Stanford University, Calif.

Application August 12, 1938, Serial No. 224,521

11 Claims. (Cl. 75—33)

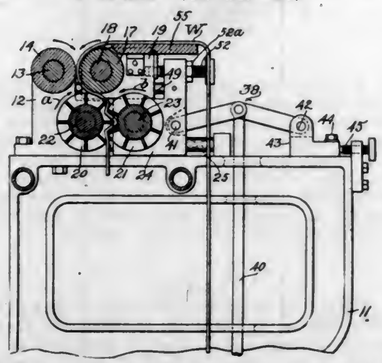


1. The method of reducing iron ore comprising, heating the iron ore with a carbon containing material and lime, introducing a hydrogen containing material acting as a catalyst of the reduction process, a reaction taking place resulting in the reduction of the ore in the presence of the lime and in the production of calcium car-

bonate, and allowing the resultant reaction to continue at substantially atmospheric pressure until reduction is complete.

3. That step in the process of reducing iron ore whereby sulphur is removed from such ore comprising the reaction of a hydrogen containing gas with the iron sulphide of the ore at atmospheric pressure to form hydrogen sulphide and then reacting this hydrogen sulphide so formed with lime to produce calcium sulphide and regenerating the hydrogen.

2,201,461
SKIN, HIDE, AND LEATHER WORKING MACHINE
Frank Wayland, Camden, N. J.
Application March 23, 1938, Serial No. 197,604
1 Claim. (Cl. 149—16)



In a machine of the character described, the combination of a pair of opposed spirally bladed intermeshing work rolls for simultaneously engaging the opposite sides of the sheet material that is operated upon; means for continuously rotating said rolls to cause the same to flex and scrape said material and also to stretch the same longitudinally and transversely; a pair of opposed feed rolls disposed above and adjacent to said work rolls so as to coact with the latter in stretching the material longitudinally; a main frame on which one roll of each of said two pairs is journaled; two main journal boxes slidably mounted on said main frame so that they are movable toward and from the two rolls which are mounted on the latter, said main journal boxes rotatably supporting the other work roll; two supplemental journal boxes each of which is mounted on one of said main journal boxes so that it is slidably adjustable thereon toward and from the two rolls which are mounted on said main frame, said supplemental journal boxes rotatably supporting the other feed roll; means for fixing each supplemental journal box in its adjusted position on its main journal box, and foot-operated toggle mechanism operable to slide said main journal boxes on said main frame toward and from the two rolls which are mounted upon the latter, movement of said journal boxes toward said last-mentioned rolls being limited by the engagement of said two feed rolls with the work.

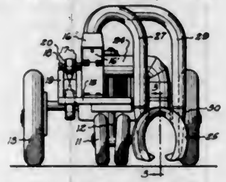
2,201,462
CONTAINER
Raymond Wells, Bridgeboro, and Herbert M. Kieckhefer, Riverton, N. J., assignors to Kieckhefer Container Company, Belair, N. J., a corporation of Delaware
Application September 24, 1937, Serial No. 165,534
2 Claims. (Cl. 229—32)

1. A container of fibre board or the like comprising a bottom wall, side walls folded upwardly therefrom, end forming members folded upwardly from each end of the bottom wall, end forming members folded laterally from each end of each of the side walls, said plurality of end forming members providing reenforced ends for the container, thin, flat strips of wood of a thickness approximately equal to that of the fibre board positioned vertically against the inner surface of the side walls of the container adjacent the corners and having straight upper and lower ends ter-



minating at the top and bottom of the container, the end forming members in connection with the bottom wall having side flanges extending at right angles to said end forming members and positioned over the strips of wood on adjacent side wall portions to provide smooth inner covers for said strips, said strips of wood preventing crushing of the container corners while the containers are stacked in tiers on spaced elongated sticks extending transversely of the containers beneath the straight lower ends of said wooden strips.

2,201,463
INSECT EXTERMINATING DEVICE
Hubert P. Williams, Stamford, and Archie T. Williams, Doole, Tex.
Application December 31, 1938, Serial No. 248,778
2 Claims. (Cl. 43—140)

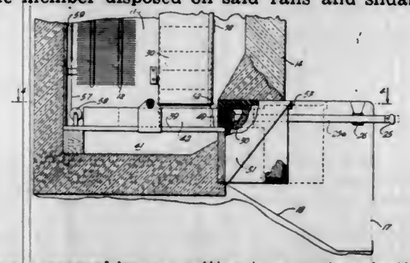


1. An insect removing and exterminating device including, a substantially U-shaped hood arranged to be moved over a row of plants, a suction conduit connected in the top of the hood and extending upwardly therefrom, a blower fan connected with the conduit for creating a suction therein to draw the insects from the plant into the blower wherein they are disintegrated and exterminated, an air flue leading from the outlet side of the blower to the lower end of the hood, whereby air under pressure is forced through said pipe, and a nozzle on the end of said flue for directing the air under pressure upwardly through the hood and longitudinally of the plant, whereby said air under pressure aids in removing the insects from the plant and forcing them into the suction conduit.

2,201,464
VENDING MACHINE FOR REFRIGERATED ARTICLES
Charles F. Wood, Los Angeles, Calif.
Application May 16, 1938, Serial No. 208,207
1 Claim. (Cl. 312—36)

In a vending machine for vending refrigerated articles of substantially uniform shape and size, having a storage chamber and an exit

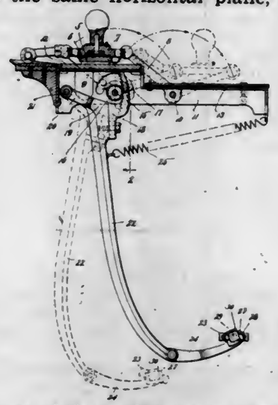
through which articles may be vended one at a time, the combination therewith of a channel forming means defining a vertically extending channel for receiving and holding a stack of the articles piled one upon the other and having a horizontal cross section substantially equal to the horizontal cross section of one of the articles, said channel means terminating at its lower end in spaced relation to the bottom of said stack, a pair of rails extending across the lower end of said channel and spaced below the lower end thereof by a distance substantially equal to the vertical height of one of the articles in the stack, said rails being adapted to engage the lower face of the lowermost article to support the stack in said channel, the contacting face of each of said rails being so narrow as to cover but a small fraction of the area of the lower face of said article, ejecting means for ejecting said articles one by one from the stack comprising a drawer-like member disposed on said rails and slidable



from a normal inner position to an outer ejecting position and having a pair of side bars so spaced from each other as to engage only the end faces of the lowermost article, and a pair of spacer blocks of less length than said bars and rails, one secured to each side bar, each of said spacer blocks having a vertical height equal to the height of said side bar and a width not to exceed the width of one of said rails, the front ends of said spacer blocks in the normal inner position of the drawer-like member terminating at points in vertical alignment with the rear of the channel forming means whereby to permit the lowermost article of the stack to drop onto said rails and to support the next lowermost article as the lowermost article is ejected from the stack, the construction being such that when said ejector means is in either of its positions a relatively large area of the lowest article is free from engagement with the respective supporting means, and means to guidingly retain said drawer-like ejector member on said rails during movement.

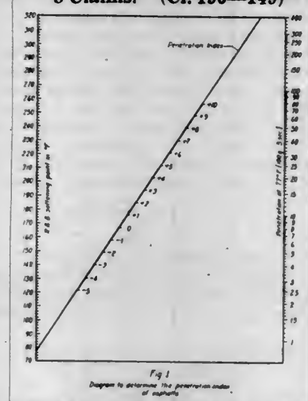
2,201,465
MARKING MACHINE
Laurits Andersen, Boston, Mass., assignor to T. J. Edwards, Inc., Boston, Mass., a corporation of Massachusetts
Application June 8, 1938, Serial No. 212,471
1 Claim. (Cl. 101—298)

In a machine for depositing material upon a work piece, a frame having a source of material supply at one end, and a work support at the other end, a material depositing die, a shaft journalled in the frame, parallel swinging links supporting said die, at least one of the links being secured to the shaft, a gear on the shaft, and means for rotating the shaft to swing the die from a position above the source of material supply to a position where the die contacts with a work piece on the support comprising a lever of the first order, pivoted from the frame, one arm of the lever having a curved rack engaged with the gear, the axes of the shaft and the lever lying in the same horizontal plane, the center



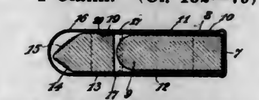
of curvature of the rack lying in the axis of the lever.

2,201,466
TRANSLUCENT PETROLEUM PLASTIC
Alvin P. Anderson, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 21, 1938, Serial No. 186,133
8 Claims. (Cl. 196—149)



1. A natural petroleum plastic; translucent in thin layers, substantially free from asphaltenes, substantially solid at atmospheric temperature, substantially completely soluble in 86° A. P. I. naphtha, more than 75% insoluble in an equal volume of acetone at 77° F., and having a temperature susceptibility lower than that of asphaltic resins.

2,201,467
LIPSTICK APPLICATOR
Israel Bloom, New York, N. Y.
Application May 13, 1938, Serial No. 207,674
1 Claim. (Cl. 132—79)



An applicator for use with a lipstick case and comprising an open-ended cover sleeve slidably and removably engageable at one end over a lip-

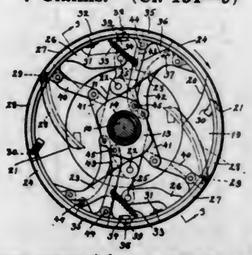
stick case and having its opposite end of reduced diameter, an applicator element of hard solid impervious non-porous washable material seated in said reduced end of said cover sleeve and forming a closure thereto, said applicator element having an exposed inclined end applicator surface with permanent serrations therein approximating the surface of a finger tip for spreading and smoothing purposes and a thimble-like cover sleeve slidingly and removably engaged over said reduced end portion of said cover sleeve and enclosing said exposed applicator surface portion of said applicator element.

2,201,468
COLLAPSIBLE DRUM
Henry C. Bostwick, Coventry Township, Summit County, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application September 10, 1937, Serial No. 163,268
2 Claims. (Cl. 154—9)



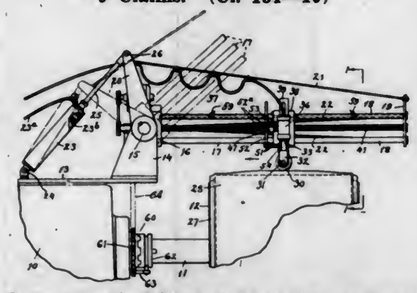
1. A collapsible drum comprising an inner rotary segment-supporting spider having opposite arms, a pair of opposite segments having hinge parts pivoted on the respective spider arms, a pair of complemental underlapping segments having a pair of body sections, said body sections being formed to underlap the first-said segments, and having hinge parts carried by floating pivots on said hinge parts of the overlapping segments, and a pair of heel sections pivotally articulated on said body sections, interposed between the latter and the overlapping segments, for shortening the collapsed major diameter of the drum.

2,201,469
COLLAPSIBLE FORM
Henry C. Bostwick, Coventry Township, Summit County, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application March 7, 1938, Serial No. 194,255
7 Claims. (Cl. 154—9)



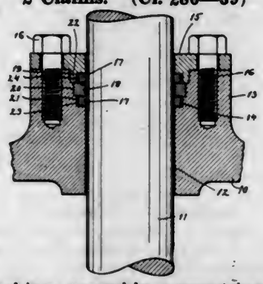
6. A drum comprising a rotary segment support, a peripheral portion composed of swinging segment structures having their toe ends in overlapping and underlapping relation, the overlapping structures being pivoted on said support and articulated with hinged heel members, the underlapping structures being respectively connected by floating pivots with the overlapping structures on the same side of the segment support and also being articulated with hinged heel members adjacent to the first-said heel members, and interconnected means for retracting and projecting said structures including their heel members, to collapse and expand the drum.

2,201,470
TIRE TREAD SPLICE STITCHER
Henry C. Bostwick, Coventry Township, Summit County, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application April 4, 1938, Serial No. 199,779
9 Claims. (Cl. 154—10)



3. In a tire-building machine, the combination of a rotary building drum, a roller carriage, means for reciprocating said carriage longitudinally over the drum, a stitching roller rollable longitudinally of a tread splice on the drum, on an axis transverse to the drum axis, while the drum is stationary, and a roller mounting angularly adjustable on the carriage to position the plane of the roller at opposite inclinations to the path of the carriage.

2,201,471
ROD PACKING
Henry C. Bostwick, Coventry Township, Summit County, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application April 4, 1938, Serial No. 199,780
2 Claims. (Cl. 286—39)



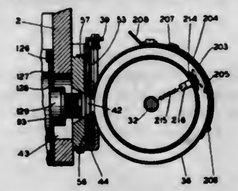
1. A packing assembly comprising a casing head having a rod bore and a packing chamber with a circumferential wall step-bored in at least three diameters larger than the rod bore, to form partial packing-ring grooves and an intermediate spacer ring seat, a rod extending through said chamber, a trans-split, elastic, metal packing ring of the bridged-gap, tongue-and-groove type, in a smaller bore of said chamber, a detachable retaining ring on said head, having a flange in the largest bore of said chamber, and an internal ring bore, a similar packing ring in the last-said bore, and an endless spacer ring seated in an intermediate bore of said chamber, and held by said flange against endwise movement.

2,201,472
COMMUNICATION SYSTEM
Jewel D. Browder, Oklahoma City, Okla., and Clifton W. Easley, Henrietta, Tex.
Application April 26, 1937, Serial No. 138,950
19 Claims. (Cl. 178—44)



12. The method of transmitting electromagnetic waves along a metallic conductor which includes, generating said waves in an antenna circuit having one side thereof insulated from the earth for a distance equal to one-half wave length, whereby the radio frequency electrical energy current is not absorbed by the ground, and impressing said electromagnetic waves along a metallic conductor which has electrical connection with the insulated side of said antenna circuit, whereby said waves are guided along the path of said conductor.

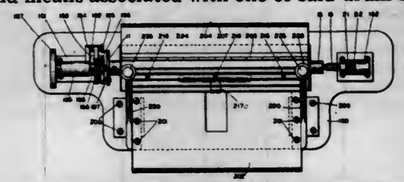
2,201,473
DETACHABLE SCANNING DRUM
Harold Carlson, White Plains, N. Y., assignor to The Associated Press, New York, N. Y., a corporation of New York
Original application April 8, 1938, Serial No. 200,895. Divided and this application February 25, 1939, Serial No. 258,401
16 Claims. (Cl. 178—6.7)



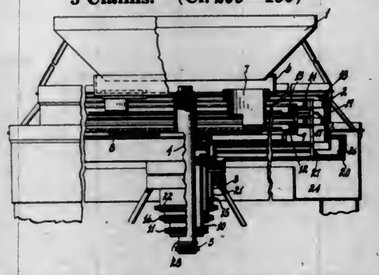
1. In a device for permitting facsimile reception on a highly sensitive photographic film under ordinary office lighting conditions, a scanning cylinder to which a photographic film is secured, a casing for said cylinder, a longitudinal aperture in said casing through which said film may be exposed, a guideway for holding said casing during exposure operation, a spring controlled shutter normally closed, means connected with said shutter to cause the opening thereof on insertion into said guideway, said spring being effective to close said shutter before said casing is completely removed from said guideway.

2,201,474
LOADING DEVICE FOR SCANNING DRUMS
Harold Carlson, White Plains, N. Y., assignor to The Associated Press, New York, N. Y., a corporation of New York
Original application April 8, 1938, Serial No. 200,895. Divided and this application February 25, 1939, Serial No. 258,402
15 Claims. (Cl. 178—6.7)

1. In a film loading device for detachable scanning drums enclosed in light proof casings, a guideway for supporting a casing, means for supporting a drum so it may turn clear of the casing comprising a headstock and a tailstock located respectively on opposite sides of said guideway, manual means effective through said headstock for rotating the drum in its supports, and means associated with one of said drum supports adapted to arrest the rotary movement of the drum at the end of each revolution.

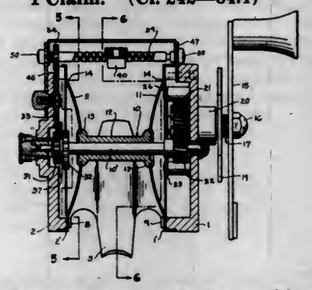


2,201,475
AMALGAMATOR
James F. Carner, Long Beach, Calif.
Application November 7, 1938, Serial No. 239,391
5 Claims. (Cl. 209—199)



1. An amalgamator comprising a substantially horizontal plate, means continuously rotating the plate, an amalgamating ring spaced from the plate, said ring including a substantially vertical wall comprising an amalgam retaining means on the ring, the amalgam spreading over said wall during rotation of the ring means to separately rotate said ring, the amalgam on the wall being in the path of material thrown from the plate, a trap ring spaced from the amalgamating ring, means to separately rotate the trap ring, a bottom pan arranged below the horizontal plate, and said rings, said pan being adapted to receive the material from the rings, and means to separately rotate said bottom pan.

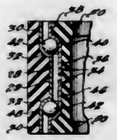
2,201,476
FISHING REEL
Pliny Catucci, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application January 12, 1938, Serial No. 184,581
1 Claim. (Cl. 242—84.4)



In a fishing reel structure, the combination of a frame, a spool, a pair of reversely threaded shafts, a pair of line guide carriages adapted to

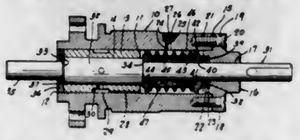
move back and forth along said shafts, line guide means disposed centrally of said line guide carriages having a guiding eye mounted therein, which eye is disposed in the same plane as the axes of the pair of reversely threaded shafts, said guide means being loosely mounted in slots provided in said carriages and adapted to be mounted therein outwardly of the plane of said eye.

2,201,477
STEERING COLUMN BUSHING
Jess D. Chamberlin, Detroit, Mich.
Application July 5, 1938, Serial No. 217,440
9 Claims. (Cl. 308—184)



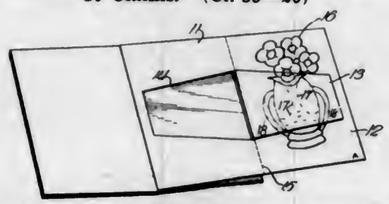
1. A bearing assembly comprising in combination, inner and outer metallic sleeve-like portions each of substantially equal wall thickness throughout its length arranged in concentric and generally radially spaced relation, one of said members being of one-piece integral construction, a pair of axially spaced radially offset portions on said one-piece portion forming a pair of axially spaced raceways, the other of said sleeve portions comprising a pair of separable halves arranged in axially concentric and spaced relation, each half including a radially offset portion forming a raceway lying in opposed relation with respect to one of the first mentioned raceways and providing a radially directed shoulder of the sides thereof opposite said raceway thereof, rolling anti-friction elements between each opposed pair of said raceways, and a radially yieldable ring member formed for complementary engagement with the shoulders of both of said halves cooperatively associated with both of said halves, said ring being so constructed and arranged as to maintain per se the properly assembled relation of said assembly and so that radial compression thereof tends to effect relative axial movement between said halves whereby to cause said halves to more firmly engage said rolling anti-friction elements, said ring also adapted to frictionally lock both said halves to a supporting part therefor.

2,201,478
DOUBLE ACTING SEALING MEANS FOR RELATIVELY ROTATABLE PARTS
Walter V. Czarnecki, Jr., Eddington, and Wesley Czarnecki, Cornwells Heights, Pa., assignors to Eddington Metal Specialty Co., Eddington, Pa., a firm composed of Walter Czarnecki, Sr., Mary Czarnecki, Nellie Wojsowski, Wesley Czarnecki, Stanley Czarnecki, Walter V. Czarnecki, Jr., and Casimer Czarnecki
Application February 28, 1938, Serial No. 192,988
10 Claims. (Cl. 308—36.2)



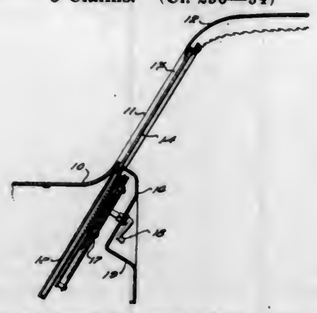
10. The combination with a housing, spaced bearing elements within the housing, and a shaft formed with an enlargement and rotatably mounted in said bearing elements, of sealing means comprising a ring engaging one end of the enlargement with a ground fit, a second ring engaging one of the bearing elements with a ground fit, and expansive means snugly and sealingly engaging and enclosing the said shaft adjacent to one of said ground fits to prevent the escape of fluids along said shaft past said ground fit for urging said several parts into engagement with each other to maintain the seals provided by the ground fits.

2,201,479
STENCIL BOOK
Elliott C. Davidson, St. Joseph, Mich.
Application February 8, 1939, Serial No. 255,287
10 Claims. (Cl. 35—26)



1. A stencil and drawing book including a plurality of leaves bound along a common binding line, one of said leaves having an extension folded approximately along the edge line of the book and having a stencil flap cut from said leaf and foldably connected to said extension along said line whereby it is adapted to be positioned accurately as to the intended position of use adjacent opposite sides of another of said leaves.

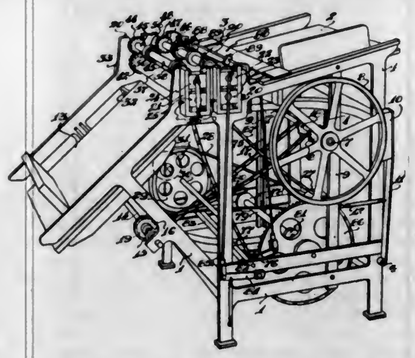
2,201,480
VEHICLE VENTILATING MEANS
Aloysius C. Diehl, Monroe, Mich.
Application June 3, 1938, Serial No. 211,635
5 Claims. (Cl. 296—94)



1. An automobile windshield comprising a slideable, inclined glass, an inclined air deflector on the outer face of the glass adjacent the top thereof, said deflector projecting outwardly from the plane of the surface of the glass and said deflector, in conjunction with the glass, defining a channel for the reception of the forward portion of the roof of the automobile when the glass is raised, and means for lowering and raising the glass.

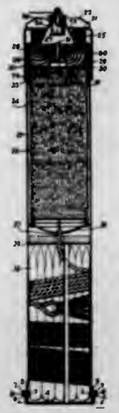
2,201,481
PERFORATING APPARATUS
Kenneth J. Dollahite, Fort Worth, Tex.
Application January 12, 1938, Serial No. 184,629
11 Claims. (Cl. 164—99)

1. In combination with apparatus for perforating paper stock including a frame, a vertically adjustable feeding table and a delivery table, cylinders having pointed pins extending circumferentially therefrom rotatably fixed to a driven shaft arranged transversely with respect to the movement of the said stock, said pins engaging and perforating the said stock, rotary yieldable means providing backing for the said stock op-



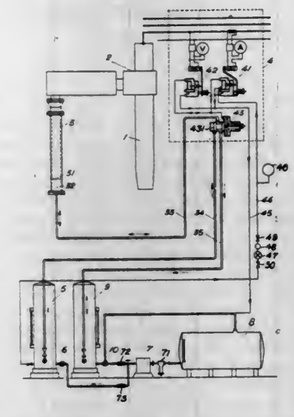
posing the said pins, automatic adjustable means comprising a driven cam, slidable bearings supporting the said driven shaft, and means cooperating the said cam and the said bearings for vertically operating the said cylinders at predetermined intervals disengaging the said pins and means smoothing the said perforations as the stock passes through the assembly.

2,201,482
FLARE CASING AND METHOD OF SEALING
Louis L. Driggs, Jr., Tippecanoe City, Ohio
Application March 28, 1934, Serial No. 717,803
9 Claims. (Cl. 102—24)



5. In a flare, a flare casing, and a flare cap releasably and yieldingly mounted on one end of the casing, the attachment of said cap being strong enough to hold the weight of a flare within the casing and strong enough to resist atmospheric changes due to changes in altitude, but weak enough upon the application of the internal ejecting forces to eject the flare against the cap to partially deform the cap in the process of ejection from the end of the casing.

2,201,483
ARRANGEMENT FOR THE BALANCING OF ELECTRODES OF ELECTRICAL ARC FURNACES
Torsten Eklund, Surahammar, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation.
Application May 13, 1938, Serial No. 207,663
In Sweden September 17, 1937
4 Claims. (Cl. 13—13)

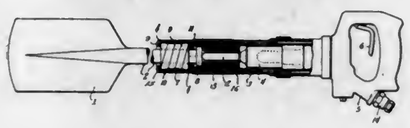


1. Apparatus for the hydraulic control of an electric arc furnace electrode, comprising means for the vertical suspension of the electrode, a fluid pressure cylinder containing a piston for actuating the electrode, an actuating pressure tank and a balancing pressure tank both adapted to supply fluid pressure to said cylinder, and an automatic control mechanism responsive to current variations in the electrode circuit whereby the pressure in the actuating tank is applied to the piston to raise the electrode and whereby the pressure in the balancing tank is at other times applied to the piston to substantially counterbalance the raised electrode and to prevent sudden movement of the electrode and ensure even running of the furnace.

2,201,484
COMPOUNDED LUBRICATING OIL
Bruce B. Farrington and Robert L. Humphreys, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 21, 1936, Serial No. 106,896
12 Claims. (Cl. 87—9)

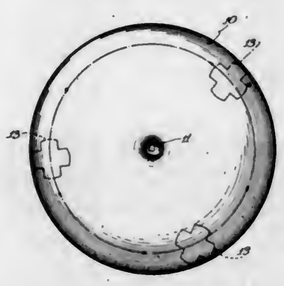
1. A lubricating composition improved with respect to oiliness and simultaneously with respect to corrosivity comprising a lubricating oil containing an ester of a polyhydric alcohol having three to six carbon atoms per molecule and an organic acid of the type represented by the general formula $R—(CH)_n—COOH$, where n is no less than one and R is selected from the group consisting of alkyl, aryl, aralkyl and cyclic nonbenzenoid organic radicals, said ester being chlorinated but substantially free from loosely combined chlorine corrosive to cadmium-silver and copper-lead bearing alloys and removable by washing with dilute caustic alkali, and said ester having an iodine number less than approximately fifteen prior to chlorination.

2,201,485
TOOL RETAINER
Frithiof P. Forss, Aurora, Ill., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware
Application January 18, 1937, Serial No. 121,099
6 Claims. (Cl. 121—32)



1. In a percussive tool, a barrel, a piston operable in said barrel, a reciprocable tool member having a shank insertible into the barrel to receive the blows of the piston during the operation of the tool and having an enlargement exteriorly of the barrel, a resilient buffer about the shank in advance of the enlargement, and a retainer sleeve securable on the barrel over the buffer and the enlargement to hold the buffer in position to retain the shank in the barrel and cushion the blows of the piston on the distortion of the buffer by the enlargement, said buffer comprising a one-piece member of resilient non-metallic material in the form of a helix with its convolutions normally in contact and having a snug fit at its inner and outer peripheries about the shank and against the retainer sleeve, respectively, to seal the space between the shank and the retainer sleeve to prevent the entry of dirt, slime and the like into the barrel through the retainer.

2,201,486
TOY
Samuel Gold, Chicago, Ill.
Application September 15, 1938, Serial No. 230,092
1 Claim. (Cl. 46—193)



A sounding toy comprising in combination a thin-walled rubber body inflated to globular form, a thin flat disc loosely retained therein and being freely slidable over the curved inner wall of the inflated body, the rim of said disc having wide radial notches therein whereby, when the inflated body is gyrated, the inflating medium passes through the notches beneath the flat face of the disc so that, as the disc slides, it is lifted to assume a position in which its rim only bears in rolling contact against the wall of the body with the corners of the notches providing percussion members acting successively against the wall.

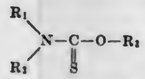
2,201,487
ARRANGEMENT FOR AVOIDING COLORED FRINGES WHEN TAKING IMAGES ON LENTICULATED FILMS
Edgar Gretener, Berlin-Siemensstadt, Germany, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y., a corporation of Delaware
Application March 18, 1936, Serial No. 69,449
In Germany March 19, 1935
7 Claims. (Cl. 95—2)



2. In an apparatus for taking color pictures upon a lenticulated film, a plural-zoned color filter in front of said film and comprising a group of adjacent zones the sum of whose colors gives substantially the effect of white light, a collimating lens system in front of said filter and having a diameter at least as great as the width of said group, whereby it may direct a beam of light in parallel rays towards all of the zones of said group, and an optical device disposed between said lens system and said filter, said device having a free space through which part of said beam may pass substantially undeviated to all of the zones of said group and also having a set of reflectors comprising pairs of parallel reflecting surfaces at 45° to the plane of the filter and arranged to intercept another part of said beam and to divert it through paths parallel to the axis of said beam but offset laterally of said zones with respect to the original paths of the intercepted light.

2,201,488
PROCESS OF PICKLING METALS
Marion W. Harman, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 5, 1938, Serial No. 233,477
16 Claims. (Cl. 148—8)

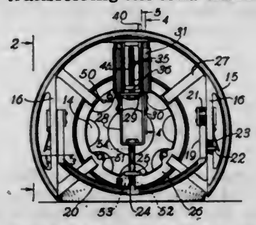
2. A process of pickling a metal which comprises subjecting the metal to be pickled to the action of a mineral acid solution containing a small proportion of a compound possessing the structure



wherein R_1 and R_2 are selected from the group consisting of hydrogen, alkyl, aralkyl and carbocyclic groups and R_3 is an ester forming radical.

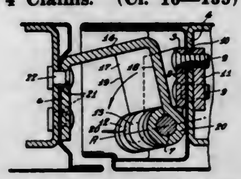
2,201,489
EMERGENCY VEHICLE WHEEL
Edward H. Hill, Chicago, Ill.
Application September 21, 1939, Serial No. 295,887
8 Claims. (Cl. 301—38)

2. An emergency wheel adapted for attachment to a vehicle wheel having an inflatable tire comprising in combination, a circular supporting member having a segment carried by and shiftable substantially in the plane of the member to permit the member to be concentrically secured to the vehicle wheel while resting on the deflated tire, a ring concentrically related and connected to the member and adapted to seat within the rim of the vehicle wheel and provide a continuous bearing for transferring the load therefrom to the



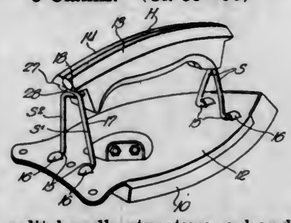
emergency wheel, and means for securing the segment in a position completing the circularity of the member when the vehicle wheel is supported by the non-shiftable portion of the member.

2,201,490
INCLINED HINGE
Earl E. Howe, Royal Oak, Mich.
Application January 9, 1939, Serial No. 249,866
4 Claims. (Cl. 16—135)



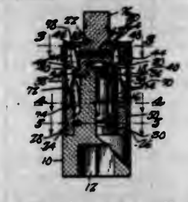
1. A concealed hinge for supporting a door from a door pillar in an automobile body having an inclined wall, said hinge comprising a plate member for attachment to the pillar, a pintle carried by said plate member disposed at an angle to the vertical as viewed in a transverse section through said wall, said plate member also supporting said pintle with its axis at an angle to the vertical as viewed in side elevation, an arm member connected to said pintle and adapted for attachment to a door, the axis of said pintle being inclined with respect to the adjacent edge of the door to the extent that said door swings through a substantially horizontal arc during opening and closing movements thereof.

2,201,491
SPLIT HANDLE STRUCTURE FOR SADIRONS
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application February 13, 1939, Serial No. 256,196
8 Claims. (Cl. 38—90)



4. In a split handle structure, a handle member comprising two handle elements, supports therefor comprising a supporting element for each end of each handle element, two of said supporting elements at one end of said handle members crossing each other and having pintles pivoted to said supporting elements, said handle elements having shoulders which are substantially aligned with each other when said handle elements are positioned together for operation, one of said two supporting elements having a portion engaging said shoulders to prevent rotation of the handle elements in one direction, and the other of said two supporting elements engaging the pintle of said first supporting element on the side thereof opposite said shoulder to prevent rotation of said handle elements in the other direction.

2,201,492
RATCHET ACTION
Edwin J. Jagler, Chicago, Ill.
Application August 25, 1938, Serial No. 226,829
3 Claims. (Cl. 192—43.1)

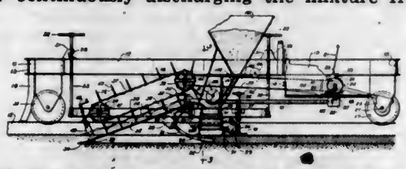


1. A device of the type described comprising a driving member having a flange, a driven member having a shaft part rotatably connected with said driving member and having a shoulder, said shaft part being provided with longitudinal slots, a collar rotatably positioned on said shaft part adjacent said shoulder and having longitudinal slots, reversely acting ratchet elements disposed in the slots in said collar and having fulcrum formations pivoting on said flange, said ratchet elements having extensions adapted to be selectively extended into the slots in said shaft part for connecting the driven member with the driving member for rotation therewith, resilient means associated with said driving member and operatively connected with said ratchet elements for pivoting the same on said flange for urging the extensions inwardly of said shaft part and into the slots therein, a cam ring rotatably mounted on said driving member adjacent one end of said collar and operatively connected with said ratchet elements for selectively shifting the latter into and out of the slots in said shaft part, a sleeve encircling said collar for holding the ratchet elements in position, said sleeve having one end abutting said shoulder and its other end abutting said cam ring, said driving and driven members being keyed against axial separation, and a retaining means carried by the driving member and abutting said cam ring for holding the latter in position against said sleeve and said collar.

2,201,493
APPARATUS FOR ROAD BUILDING
Enoch Berg Jorgensen, Los Angeles, Calif., assignor, by mesne assignments, to Viber Company, Los Angeles, Calif., a corporation of California
Application September 4, 1937, Serial No. 162,511
9 Claims. (Cl. 94—40)

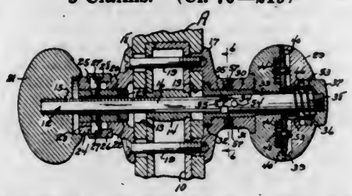
1. In a sub-grade base stabilizing machine for road building, in combination, a carriage, scooping means attached thereto for picking up loose road materials above a selected lower base level on the roadbed, a conveyor on said carriage for elevating the scooped-up road material, means for continuously dividing the road material discharged from the said conveyor into a usable portion and a surplus portion, means for

conveying the surplus portion away from the machine, means for feeding into the usable portion of the road material to be treated a predetermined proportion of a stabilizing agent, means mounted on said carriage for mixing the usable road material and the stabilizing agent, means for continuously discharging the mixture from



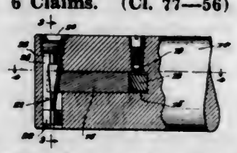
said mixing means onto the roadbed, means operable with the carriage for leveling off the discharged mixture to a desired road level, and vibratory mechanisms attached to said carriage adapted to be dragged through said discharged mixture and below the top surface to compact it on the roadbed.

2,201,494
COMBINATION DOORKNOB
Percy A. Keith, Newington, Conn.
Application April 13, 1939, Serial No. 267,647
3 Claims. (Cl. 70—219)



1. A door fitting comprising a pair of axially and rotatably movable interlocking spindles, knobs fitting said spindles, one knob being fixed to one spindle and the other knob slidably receiving the other spindle, independent means active on each of said spindles for moving the same axially relative to each other for releasably interlocking thereof, a push button included with one of the first-named means, connected to one spindle and slidably counter-seated in the knob slidably receiving said spindle, means coacting with the spindles for holding the same against axial movement, and permutation mechanism confined within and operable without one knob peripherally thereof for controlling the first-named means common thereto.

2,201,495
ROTARY CUTTER
Frank P. Miller, Meadville, Pa.
Application November 16, 1937, Serial No. 174,879
6 Claims. (Cl. 77—56)



1. In a cutting tool, a support having a slot, a cutter block in said slot, a centering key in said support and movable transversely of the block, and one edge of said block and a portion of said key having contacting bearing surfaces curved on arcs that are mutually perpendicular at all points of contact.

2,201,496
CURB INDICATOR FOR MOTOR VEHICLES
Ludwig Mohar, Long Beach, Calif.
Application June 8, 1937, Serial No. 147,053
2 Claims. (Cl. 200—83)



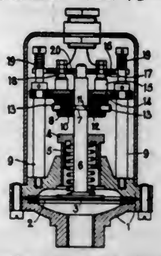
1. A pneumatically operated switch comprising a protruding body of resilient material, said body having therein an air-tight chamber and an open cavity for receiving a fastener to anchor the said protruding body upon a support, said body having a resilient wall, a stationary contact in said cavity, a contact carried by said wall in position to be moved into engagement with the stationary contact by the distortion of the wall between the said chamber and said cavity when the air in said chamber is compressed, and means for normally maintaining said switch out of electrical contact.

2,201,497
RAIL BOND
Karl J. Mosebach, Pittsburgh, Pa.
Application July 14, 1939, Serial No. 284,469
1 Claim. (Cl. 173—262)



The combination with railway track rails having heads and base flanges, and connected by a splice bar having a base flange, of a bond therefor comprising terminal blocks welded to the upper faces of the rail bases, adjacent to the ends of the splice bar, a cable, and a ferrule surrounding each end of the cable, the cable ends and the ferrules being welded to the adjacent sides of the terminals at such height that the cable is disposed in parallelism with the base flange of the splice bar and so that the ferrules overlie and are directly supported by the adjacent surfaces of the splice bar.

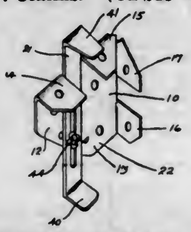
2,201,498
QUICK SWITCHING DEVICE
Alfred Ninnelt, Freiburg (Breisgau), Germany, assignor to the firm of Fabrik Elektr. Apparate Fr. Suter A. G., Basel, Switzerland
Application January 10, 1939, Serial No. 250,251
In Switzerland January 19, 1938
2 Claims. (Cl. 74—100)



1. A quick-action control device comprising a motor member subject to the action of a variable controlling force, a movable control member, a fixed guiding sleeve, a cylindrical bolt slidably

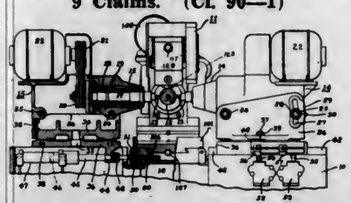
mounted in said guiding sleeve for transmitting movement from said motor member to said control member, a plurality of radial bores in said sleeve, a ball in each of said bores and a spring arranged in each bore at the rear of said ball for pressing said ball against said bolt, said bolt having an annular groove in the surface thereof at such a position that said ball is in engagement with said groove when said control member is in one of its control positions, a counter-bolt in each bore at the rear of said spring, a hollow cone shell surrounding said sleeve coaxially, said hollow cone shell being in contact with its internal conical face with said counter-bolts, and means for adjustably displacing said shell in the axial direction of said sleeve.

2,201,499
VENETIAN BLIND HEAD BAR BRACKET
Jules Nisenson, New York, N. Y., assignor to Unit Venetian Blind Supply Co., New York, N. Y., a corporation of New York
Application January 17, 1939, Serial No. 251,398
7 Claims. (Cl. 248—208)



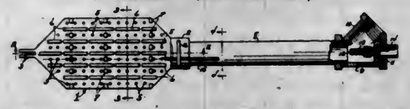
1. A completely reversible unitary Venetian blind head bar supporting bracket including: a bracket body; locking means permanently slidably and pivotally connected to the bracket body and adapted to attach the head bar to the bracket.

2,201,500
MACHINE TOOL
Louis F. Poock, Dayton, Ohio, assignor to The Cimatool Company, Dayton, Ohio, a corporation of Ohio
Application July 26, 1937, Serial No. 155,612
9 Claims. (Cl. 90—1)



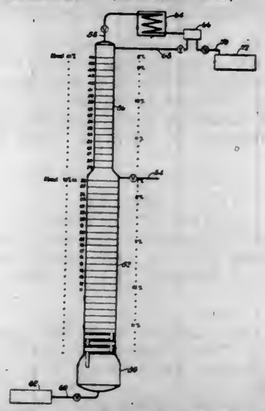
1. A machine for shaping the ends of gear teeth comprising a frame, a work supporting base on said frame, a work carrying member reciprocally mounted on said base, rotatable cam means for reciprocating said member in said base at irregular speeds of movement, means for turning said member in said base at a substantially constant speed of rotation during its reciprocating movements and in timed relation to its reciprocating movements, a plurality of cutter heads on said frame one at each side of said base, a pair of similar cutters one mounted in each of said heads for rotation about their respective axes and adapted to simultaneously and similarly shape tooth ends on opposite sides of the axis of a work piece on said work carrying member, the axes of rotation of said cutters being substantially parallel to one another and transverse to the axis of the gear being worked on, and means for relatively adjusting the axes of rotation of the cutters for simultaneous and similar engagement of the cutters with the advancing parts of two tooth ends located on opposite sides of the axis of the work piece at the same end of the gear.

2,201,501
IGNITER
Leonard R. Poschadel, Milwaukee, Wis.
Application July 13, 1938, Serial No. 219,088
1 Claim. (Cl. 158—10)



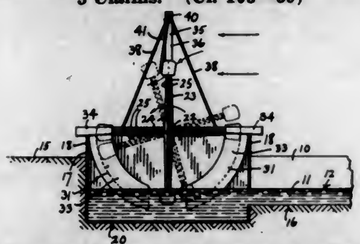
A fire kindler of the character described, comprising, a head fashioned on one end with an elongated hollow member, said head having an upper face formed with discharge openings and with fins extending vertically therefrom and between said openings for guarding the latter from fuel overlying said head, said head having an end wall with converging sides oppositely disposed from said member and formed with a slot-like aperture at the junction of said sides, said end wall formed with vertical rows of spaced horizontal forwardly projecting fins on opposite sides of said aperture.

2,201,502
FRACTIONATING COLUMN
Cyrus Pyle, III, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 17, 1939, Serial No. 262,378
5 Claims. (Cl. 261—113)



1. A fractionating column for fractionating imperfect solutions which are capable of separation by fractional distillation, said column comprising a series of sieve-plates containing perforations varying in total area from plate to plate, the total area of the perforations in each of said sieve-plates varying from plate to plate substantially in accordance with the product of the square root of the vapor density times the volume of vapor passing in unit time through each of said sieve-plates as said vapor density and volume of vapor progressively vary from plate to plate in passing upwardly through said column.

2,201,503
WATER LIFT
Ulysses G. Rogers, Medicine Lodge, Kans.
Application May 8, 1939, Serial No. 272,531
5 Claims. (Cl. 103—59)



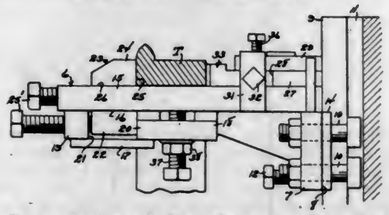
1. In a wind actuated water lift, a wind-wheel including an axle and blades extending from the axle and terminating within a given distance radially from the axle, paddles carried by the wind-wheel and extending radially therefrom a fixed distance beyond said given distance, means rotatably supporting the wind-wheel with its axle spaced above the level of a body of water a distance substantially equal to the given distance, means shielding from the wind the wind-wheel blades at one side of the axle and an arcuate trough providing a channel along the path of travel of the paddles and including opposite ends one below and the other above the level of said body of water.

2,201,504
ROOF STRUCTURE AND TRUSS THEREFOR
Frederick H. Ruppel, Pasadena, Calif.
Application May 20, 1938, Serial No. 209,042
13 Claims. (Cl. 108—23)



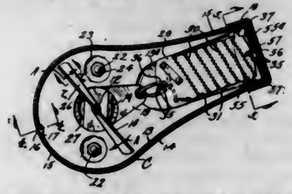
1. A unit truss comprising top and bottom chord members each being formed of an I-beam of light-weight construction and having the medial portion thereof of expanded or web form, said chord members being welded together and being connected to form a truss by interior bracing.

2,201,505
LATHE ATTACHMENT
Martin Sainich, Livingston, Mont.
Application June 14, 1939, Serial No. 279,199
2 Claims. (Cl. 82—40)



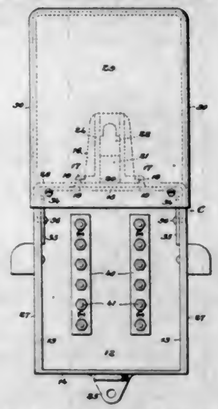
1. In a device of the character described, a plurality of spaced brackets adapted for attachment to the face-plate of a lathe for securing a tire to the latter, each of said brackets provided with an arm fashioned with a slot, a detachable stop carried by said arm and having a shank extending in said slot, a dog slidably mounted on said arm and operable for clamping a tire against said slot and to said arm, and means for clamping said dog to said arm to maintain said dog in engagement with said tire and in fixed position relative to said stop.

2,201,506
DRIER FOR HAIR AND THE LIKE
Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application March 21, 1938, Serial No. 197,137
4 Claims. (Cl. 34—26)



2. In a hair drier, a fan casing having an air inlet opening and an air discharge nozzle, a motor connected to said casing, a fan on the shaft of said motor within said casing, said fan having a blade for throwing off air centrifugally, a motor casing for said motor and provided with an air inlet, said blade having a flange portion arranged at an incline to the general plane of the blade to draw heated air from said motor casing.

2,201,507
LINE WIRE JUNCTION BOX
Wilson Heath Stilwell, Louisville, Ky.
Application March 23, 1938, Serial No. 197,718
3 Claims. (Cl. 220—3.9)



1. A line wire junction box comprising a box body having a rear wall, side walls, top and bottom walls and open at its front, outwardly directed ribs on the side walls adjacent to the front edges thereof extending vertically along said side walls, an upwardly directed rib on the top wall adjacent to the front edge thereof and joined at its ends to the tops of said side wall ribs, and a door having rearwardly directed side flanges provided with inwardly opening channels in which the side wall flanges are disposed whereby the door is mounted on the box body for vertical sliding movement between raised and lowered open and closed positions respectively, said door also having a rearwardly directed top flange joined at its ends with said side flanges and having a downwardly opening channel to receive the box top wall rib when the door is closed, stop means carried by the door for contact with the top wall of the box to limit opening movement of the door, and a box suspending lug slidably interfitted with a top portion of the box for forward and rearward movement relative to the box, and held by the door against disassembly from the box by forward sliding movement relative to the box.

2,201,508
MANUFACTURE OF ZIRCONIUM COMPOUNDS
Daniel Tyrer, Stockton-on-Tees, England
No Drawing. Application April 21, 1939, Serial No. 269,257. In Great Britain June 27, 1938
4 Claims. (Cl. 23—24)

1. In a manufacture of zirconium compounds from a crude zirconium oxide material the improvement which consists in treating a solution of the sulphatised material containing zirconium and sulphuric acid in the proportion to produce $Zr(SO_4)_2$ with an alkaline earth metal base in such proportion that the precipitated alkaline earth metal sulphate includes about half, but not exceeding 60 per cent. of the sulphate ions originally present as $Zr(SO_4)_2$, filtering the solution rapidly from the alkaline earth sulphate and adding a small proportion of hydrochloric acid to the filtrate, whereafter a zirconium compound from the group consisting of the hydroxide and carbonate is added to produce a tardy precipitation of a basic zirconium sulphate suitable for conversion into other zirconium compounds.

2,201,509
SPRING CLIP DEVICE
John H. Van Uum, Lakewood, Ohio
Application March 14, 1938, Serial No. 195,677
3 Claims. (Cl. 24—73)



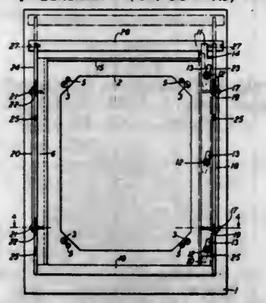
3. A spring clip device for securing an element having an opening therein to an apertured support, and comprising a single strip of spring metal having a snap fastening shank portion arranged for reception lengthwise of the shank portion through an aperture in the support for snap fastening engagement with the support, and having portions thereon in the form of separate heads, each head comprising at least three independently flexible fingers arranged in a row and extending generally toward the shank portion, one finger being disposed between the other two fingers, said other two fingers extending beyond the said one finger in a direction toward the shank portion and being in the form of lands arranged for engagement with the outer surface of the support for positioning the said one finger with its free end in spaced relation from the outer surface of the support when the device is installed in the support, and the said one finger being in the form of an element locking shoulder adapted for engagement with the marginal surface of the element adjacent the opening for securing the element to the support when the land is in engagement with the support and the said spring clip device is installed in the support.

2,201,510
STORAGE BATTERY COVER ASSEMBLY
Harry E. Waner, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 23, 1938, Serial No. 203,870
1 Claim. (Cl. 136—178)



A cell cover assembly for a container for electrolyte comprising a cell cover provided with a vent and filling opening and a communicating well extending below the cover for determining a normal level of the electrolyte by providing a gas-trapping space adjacent said well above the electrolyte and below the cover, an aperture in the side wall of said well below the cover to provide for escape of gas from gas-trapping space to the interior of said well, a resilient sleeve member of rubber material seated within said well and normally closing said aperture, the resilient sleeve member being split from its upper edge downward and being locally bendable in a portion of its wall by virtue of its split construction and returnable to its aperture-closing position by virtue of the resilience of such wall itself, said sleeve member having a beveled upper outer edge face, and a vented plug adapted to engage in the top of said vent and filler well and having a depending beveled skirt adapted to engage the beveled edge of said sleeve member to deflect it radially from its vent-closing position when the plug is engaged in said well.

2,201,511
CAMERA BACK
Harney I. Williams, Baldwin, N. Y.
Application December 5, 1938, Serial No. 243,952
7 Claims. (Cl. 95—72)

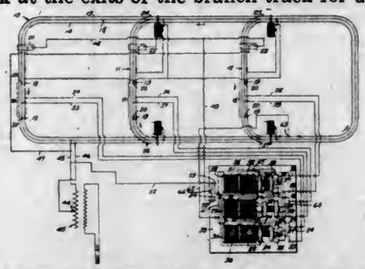


1. In combination, a camera back including movable means adapted to carry a holder having a photo-sensitive member, and instrumentalities for determining a plane of exact focus for a photo-sensitive member in a holder carried by said movable means, said instrumentalities comprising a plurality of studs.

2,201,512
AUTOMATIC CONTROL FOR TOY ELECTRIC TRAINS
Clyde J. R. Witman, Pottsville, Pa.
Application December 19, 1938, Serial No. 246,741
2 Claims. (Cl. 246—31)

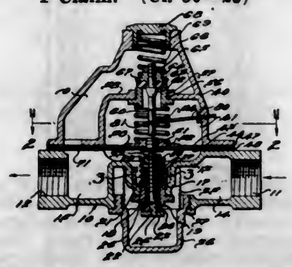
1. Control apparatus for toy electric trains comprising a main substantially oblong track and

spaced transverse branch tracks within the enclosure of the main track, each track having three rails, insulated sections on the rails of the transverse end portions of the main track and on the rails of each transverse branch tracks upon which trains are brought to a halt for a time period, pressure operated electric switches interposed in the transverse end portion of the main track and in the branch tracks in advance of the insulated sections of the tracks and closed by trains passing thereover, electrically controlled switches incorporated in the main track at the entrance to the transverse branch tracks for directing trains into the branch tracks, electrically controlled switches incorporated in the main track at the exits of the branch track for direct-



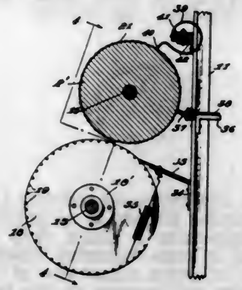
ing trains into the main track, a current supply connected in circuit with the intermediate track rail and the outer track rail of the tracks and connected in circuit with each of the pressure operated switches, and solenoid switches connected in circuit with the source of electricity each having two coils and a movable contact and pairs of fixed contacts forming two circuit closing positions, the coils and fixed contacts of each solenoid being connected in circuit with a pressure operated switch in such manner as to energize an insulated section of the track to permit the train halted thereon to proceed therefrom simultaneously with a predetermined pressure operated switch being closed by a train passing thereover.

2,201,513
VALVE
Harold S. Ackerman, Aspinwall, Pa.
Application July 5, 1938, Serial No. 217,352
1 Claim. (Cl. 50—23)



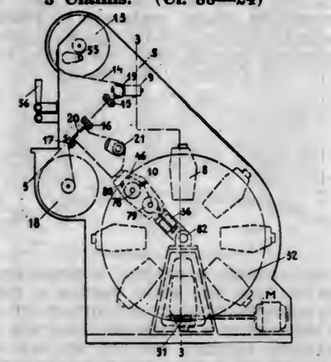
A fluid regulating device for automatically regulating the pressure in a hot water heating or similar system, comprising a casing having an inlet chamber adapted to be connected to a source of water under pressure, a relief chamber, and a pressure chamber adapted to be connected to the heating system and extending between the inlet chamber and also to the opposite side of the relief chamber, means including a spring pressed normally closed inlet valve separating the pressure chamber from the inlet chamber, means including a valve stem on the inlet valve for adjusting the inlet valve spring so as to govern the pressure at which the inlet valve opens, means including a spring pressed normally closed relief valve separating said opposite side of the relief chamber from that part of the pressure chamber extending to said opposite side of the relief chamber, a flexible diaphragm separating the first mentioned side of the relief chamber from the pressure chamber, a substantially heavy pre-loaded diaphragm coil spring within the relief chamber and engaging the diaphragm and normally urging it against the fluid in the pressure chamber, and a valve stem extending from the relief valve and through the pre-loaded diaphragm spring to a point in proximity to the side of the diaphragm next to the relief chamber so as to be engaged by the diaphragm, said inlet valve stem extending from the inlet valve to a point in proximity to the other side of the diaphragm, said valves, stems and springs being in alignment with the axis of the diaphragm and being centered on the same axis during movement of the diaphragm, the relief chamber in a direction axially of the diaphragm being located entirely between the diaphragm and relief valve and being of substantial depth axially of the relief valve stem to allow disposal of the diaphragm spring between the diaphragm and relief valve, the construction and arrangement of the parts being further characterized by the casing being free from any external normally adjustable elements in order to avoid or minimize tampering with the device when in use.

2,201,514
PAPAYA PEELER
George H. Akau, Honolulu, Territory of Hawaii, assignor of one-fifth to George Ronitz, Honolulu, Territory of Hawaii
Application June 24, 1939, Serial No. 281,048
1 Claim. (Cl. 146—43)



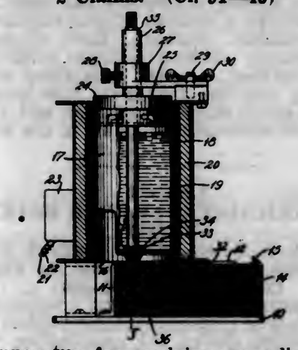
Apparatus for removing the pulp from the skin of papaya fruit or the like comprising a frame, upper and lower rotatable rollers journalled in the frame with their peripheries in closely spaced relation, means supported on the frame for rotating the rollers, with the lower roller rotating faster than the upper roller a table in advance of the rollers for manually feeding sections of the fruit between the rollers with the skin side of the fruit upward, the upper roller having a friction surface for engaging the skin of the fruit and moving it forward and toward the lower roller, the lower roller having a periphery for engaging the pulp and removing same from the skin while the fruit is being advanced by the upper roller, said lower roller comprising a pair of end discs having circumferentially spaced apertures adjacent their peripheries, a plurality of spaced discs intermediate the end discs and having circumferentially spaced notches in their peripheries, a plurality of steel rods extending longitudinally of the roller with their opposite ends countersunk in said apertures and their intermediate portions seated in said notches, and plates secured to the outer faces of the end discs for preventing the rods from becoming loose.

2,201,515
RECORDING APPARATUS
Julius Allardt, Altona-Blankenese, Germany
Application January 10, 1938, Serial No. 184,322
In Germany April 6, 1936
3 Claims. (Cl. 88—24)



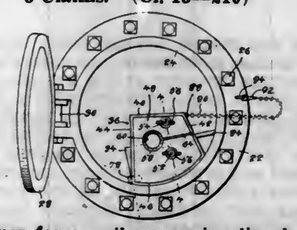
1. An apparatus for the photographic transfer of booked entries from a general list of such entries on to classified registers, comprising a guideway for the list having an exposure window, means for illuminating said window, means for feeding the list intermittently past said window, a photographic camera for each register, a rotary holder for the cameras arranged to move the latter successively into alignment with the exposure window, means for rotating said holder, selectively co-operating controlling means on guideway and list for interrupting the rotation of the holder with a camera in alignment with the exposure window, a film strip in each camera, electrically controlled means for operating an aligned camera to photograph a list entry in the window, and electrically controlled means for advancing the strip after each exposure.

2,201,516
APPLICATOR
James R. Bedell, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 2, 1939, Serial No. 254,199
2 Claims. (Cl. 91—43)



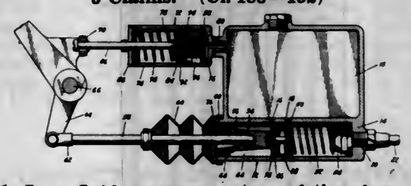
1. Apparatus for applying an adhesive to a portion of one face of an article, said apparatus comprising means for supporting and aligning a vertical stack of the articles, a tank of adhesive liquid having a delivery opening at its bottom and adapted to rest on the top article of the stack with its delivery opening in contact with said article, means contacting with a wall of the tank for guiding the tank with relation to the stack of articles, and heating means associated with said guide means for maintaining the contents of the tank at the proper temperature irrespective of its position along the guide means while permitting removal of the tank from the guide and heating means.

2,201,517
GAUGE LINE WIPER
Marvin H. Bow, Kilgore, Tex.
Application October 21, 1938, Serial No. 236,321
5 Claims. (Cl. 15—210)



1. A wiper for an oil measuring line having a bob comprising a yieldable wiping body having a bob wiping opening of normally smaller diameter than the bob and a line wiping slot extending into said bob wiping opening, pressure plates on opposite sides of said wiping body and having openings coaxially aligned with said oil wiping opening but of larger diameters, said plates being provided with slots lying over said wiping slot but wider than the latter, and means coacting with said plates for pressing said wiping body to constrict said bob wiping opening and to narrow said wiping slot.

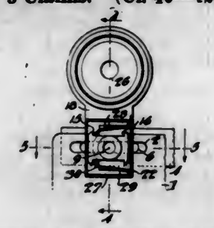
2,201,518
FLUID PRESSURE BRAKING SYSTEM
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application September 20, 1937, Serial No. 164,636
3 Claims. (Cl. 188—152)



1. In a fluid pressure system of the class described, the combination of a compression cylinder, a piston reciprocable in said cylinder, a reservoir for supplying said cylinder with fluid, operating means for reciprocating said piston, a discharge port for said cylinder, a second cylinder communicating with the reservoir, a second piston in said second cylinder, a spring in said second cylinder urging said second piston in a direction to create fluid pressure in both of said cylinders, linkage connecting said second piston and said piston operating means, said linkage permitting movement of said operating means in one direction independently of said second piston,

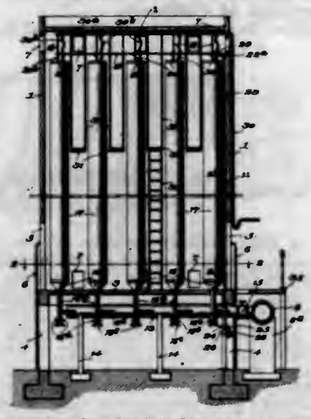
and a port in said second cylinder limiting the pressure created in said fluid system by expansion of the fluid therein.

2,201,519
AUTOMOBILE LICENSE PLATE LOCK
William F. A. Buehner, New York, N. Y.
Application February 18, 1939, Serial No. 257,260
5 Claims. (Cl. 40—125)



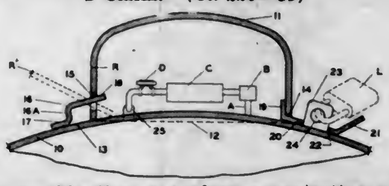
1. An automobile license plate lock for use with a license plate having an elongated fastening receiving opening and a mounting bracket for the license plate provided with a registering opening comprising a supporting member having portions receivable through the registering openings to retain said member against swinging movement and provided with an opening adapted to register with the opening of the license plate, a locking bolt receivable through the openings of said mounting bracket and plate and member and having a rib portion within the opening of the mounting bracket adapted to hold the bolt against rotation, a locking nut adapted to be turned onto said locking bolt against the supporting member, and a locking case swingably carried by said supporting member provided with an opening to receive the locking nut and having portions engageable with the locking nut when said locking case is swung to overlie the supporting member whereby the locking nut is held and guarded against removal.

2,201,520
FUME DIGESTER
William S. Callahan, Jacksonville, Fla.
Application April 19, 1939, Serial No. 268,846
7 Claims. (Cl. 183—54)



1. A separator for dust laden gases, comprising one or more vertically disposed groups of dust collectors having restricted outlets to the atmosphere; a conduit for gases under pressure having a valved feeder for each group connected with the lower ends of the collectors in said group; shaking means supporting the upper ends of the collectors, and means for directing air jets into the tops of the collectors, said shaking means and air jets cooperating to remove the dust collected in a group of collectors when the related valve feeder connection is closed.

2,201,521
PROTECTIVE COVER
William D. Cook and Rosswell W. Thomas, Birmingham, Mich., assignors to Phillips Petroleum Company, a corporation of Delaware
Application June 8, 1937, Serial No. 147,116
1 Claim. (Cl. 220—85)



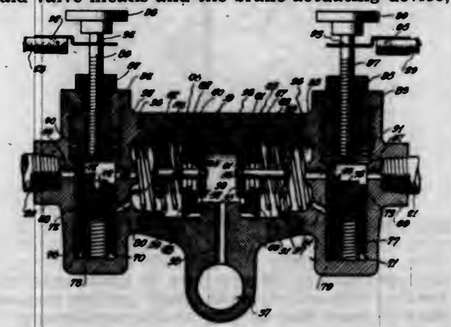
In combination, a surface, a protecting cover for the surface, the cover having a depending wall in engagement with the surface, an opening in the depending wall spaced from the surface, a stationary member secured on said surface, an arm carried by the stationary member extending along and in spaced relation to the surface, the arm projecting into the opening in the cover, the length of the arm being greater than the dimension of the opening along a line lying in a plane containing the arm and substantially perpendicular to the surface, and means acting between the cover and the surface to hold the cover at a point farthest from the opening contiguous to the surface and against substantial movement in the direction the arm extends.

2,201,522
METHOD OF MAKING ZINC SULPHIDE
Harlan A. Depew, Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
Application November 2, 1938, Serial No. 238,453
1 Claim. (Cl. 23—135)

The cyclic process of making zinc sulphide which consists in heating a body of ammonium sulphate and storing the resulting ammonia gas, dissolving the resulting ammonium bisulphate in water, suspending comminuted zinc sulphide ore in the solution, then boiling the solution and storing the hydrogen sulphide gas thus driven off, thus leaving a solution of zinc sulphate and inert ammonium sulphate, then introducing stored ammonia gas and hydrogen sulphide gas into the purified solution, separating the resulting zinc sulphide precipitate from the solution, then evaporating the solution and returning the solid ammonium sulphate to the starting point.

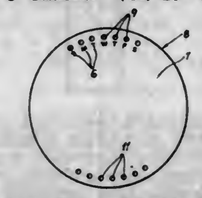
2,201,523
HYDRAULICALLY OPERATING BRAKING SYSTEM
Joseph A. Derrig, Mount Prospect, Ill.
Application July 19, 1939, Serial No. 285,331
12 Claims. (Cl. 303—84)

1. In a hydraulically operating braking system including a fluid displacement mechanism and a brake actuating device, the combination with a fluid conduit connecting the displacement mechanism with the brake actuating device, of valve means in said conduit adapted to allow the passage of fluid in both directions therethrough and to maintain the fluid pressure between the valve means and the brake actuating device above a predetermined value, a plunger in communication with the bore of said conduit at a point between said valve means and the brake actuating device,



said plunger being slidable across the conduit bore and serving directly as the means for stopping fluid flow therethrough and normally held by the fluid pressure in such position that the bore is unobstructed thereby, and means adapted to move said plunger across the conduit bore upon a decrease of pressure on the plunger below said predetermined value.

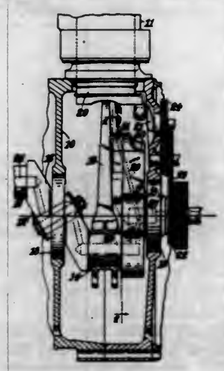
2,201,524
CONTAINER FOR PERISHABLE LIQUIDS
Alfred H. Esty, Santa Cruz, Calif.
Application March 7, 1939, Serial No. 260,358
8 Claims. (Cl. 40—2)



1. A container for perishable liquids such as evaporated milk and the like, which comprises: a metallic container having top, bottom and side walls, said top wall having a deformable wall portion adjacent the periphery thereof adapted to be punctured for the withdrawal of the liquid contents; and a plurality of characters circumferentially spaced adjacent the periphery of the top wall, said characters being significant of successive days, whereby an indication of the day upon which said container is opened is produced upon opening the container by puncturing said wall portion at a point within an area at and adjacent the correct day character.

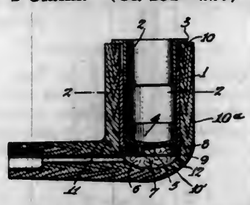
2,201,525
LUBRICATION OF INTERNAL-COMBUSTION ENGINES
Alfred Hubert Roy Fedden and Harvey Charles Mansell, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application April 7, 1939, Serial No. 266,592
In Great Britain May 5, 1938
2 Claims. (Cl. 184—6)

1. A hollow crank-shaft having a crank-pin, a balance-weight on the side of the crank-shaft axis opposite the crank-pin, a conduit leading from the interior of the crank-shaft to a discharge orifice near the outer end of the balance-



weight, an automatic valve so disposed in said conduit as to be substantially unaffected by centrifugal force, and means for closing said conduit except for one or more narrow orifices.

2,201,526
PIPE BOWL LINING FILTERER
Washington E. Forrester, Baltimore County, Md.
Application March 17, 1938, Serial No. 196,354
1 Claim. (Cl. 131—220)

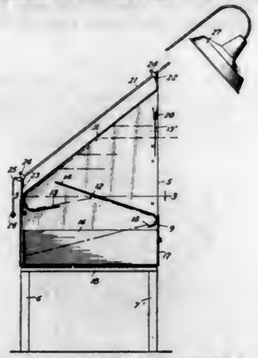


In a lining for a pipe bowl, a tubular member having one portion thereof of less diameter than the remaining portion and connected by a part forming a shoulder, a grate for tobacco supported on said shoulder, and a second tubular member having an external diameter corresponding substantially to that of the internal diameter of the first tubular member and formed with an outwardly extended flange at one end thereof, said second tubular member being in telescopic relation with said first tubular member and said flange being adapted to contact the upper edge of the pipe bowl.

2,201,527
TARGET AND PROJECTILE RECEIVER
Howard L. Freeman, Alma, Mich.
Application October 26, 1938, Serial No. 237,130
2 Claims. (Cl. 273—102.4)

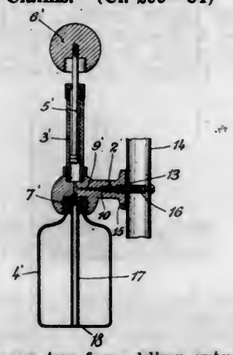
1. A target and projectile receiver comprising vertical supporting members, front, back and side members secured to said vertical supporting members whereby a cabinet-like structure is provided, target supporting means carried by the side walls of said cabinet, a deflecting plate diverging downwardly in back of the target and having one end thereof curved toward the front of said cabinet, a second deflecting plate diverging upwardly from the front of said cabinet and having an end curving away from the front of

said cabinet, the opposite end of said second deflecting plate overlying the curved end of said



first mentioned plate, and means for receiving the projectiles impacting said plates.

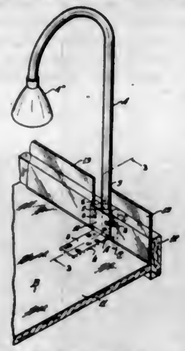
2,201,528
APPARATUS FOR ADDING EXTRACTS OR THE LIKE TO SHOWER BATHS
Johannes Freng, Oslo, Norway
Application October 14, 1937, Serial No. 169,059
In Norway October 14, 1936
4 Claims. (Cl. 299—84)



2. In an apparatus for adding extracts or the like to the water in shower baths, a pump cylinder, a flanged member connected to said pump cylinder, a vessel containing said extracts and attached to said flanged member, a tube extending from said flanged member into said vessel, a passage through said member constituting a pressure conduit of said pump, a narrow tubular extension of said pressure conduit extending beyond said flanged member and adapted to be passed into the interior of a shower bath pipe through a hole in the side wall thereof, a plunger as a part of said pump for exerting reciprocating manual pressure on the contents of the pump cylinder, and two valves, one of said valves being seated intermediate said pump and the outer end of said tube extending into said vessel, and the other seated intermediate said pump and said shower bath pipe.

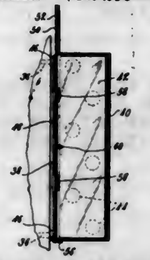
2,201,529
BRACKET
Bernard M. Frenze, Garden City, N. Y., assignor to American Fixture & Showcase Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application June 4, 1938, Serial No. 211,764
8 Claims. (Cl. 312—140.3)

1. In combination with a counter having a top and a side-wall, the latter having a mortise, a bracket comprising a body-portion fitted in said mortise and having an axial bore for receiving an



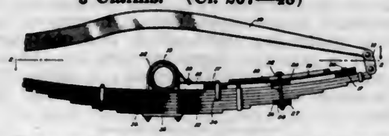
upright lighting-fixture, and a foot-flange extending forwardly from the body-portion disposed flatwise upon and secured to the counter-top.

2,201,530
RECEPTACLE AND MANNER OF SUPPORTING THE SAME
Melvin Fuld, Baltimore, Md.
Application June 29, 1937, Serial No. 151,005
14 Claims. (Cl. 299—24)



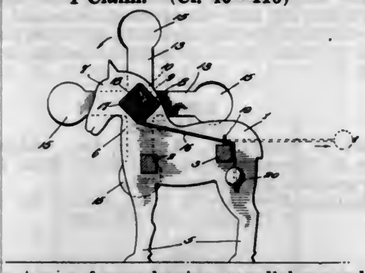
1. In combination, a deodorant container and a support therefor, means for attaching said support in spaced relation to a wall, means inaccessible when the container and support are assembled for interlocking said container to said support, said support and said container having registering openings for the circulation of fluid.

2,201,531
SPRING STABILIZER
Fred A. Geb, Dallas, Tex.
Application October 3, 1939, Serial No. 297,741
3 Claims. (Cl. 267—48)



1. The combination with a vehicle leaf spring, of a stabilizing spring superposed on the leaf spring, hard rubber blocks secured to the ends and center of the stabilizing spring and bearing upon the leaf spring, a clamp surrounding the stabilizing spring and leaf spring at a point centrally between the ends of the stabilizing spring, a hard rubber block disposed between the lower end of the clamp and the bottom of the leaf spring, and a safety band attached to the front end of the stabilizing spring and adapted to be passed about the rear axle housing of a vehicle.

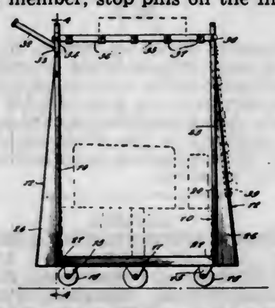
2,201,532
TOY
John T. Glidewell, Memphis, Tenn.
Application October 5, 1937, Serial No. 167,463
1 Claim. (Cl. 46—116)



In a toy, a frame having parallel spaced side members formed with depending front and rear supporting legs whereby said frame may be positioned to stand on a surface, front and rear cross bars extending horizontally between front and rear portions of said side members, said front portion having laterally alined openings formed therein and in vertical spaced relation to the front cross bar, a shaft extending between the side members and having reduced end portions journaled through the openings in the side members, said end portions projecting from opposite sides of the frame and terminating in reduced extremities, blades mounted upon the reduced extremities of said shaft to turn therewith, means for holding the blades on the shaft, a guide carried on the rear cross bar, an actuating cord secured at one end to said shaft between the side members, said cord being wound upon the shaft and having a portion extending rearwardly from the shaft over the rear cross bar and through said guide, and means carried by the rear end of said cord and constituting a finger grip, said means serving to limit forward movement of the free rear end of the cord through the guide.

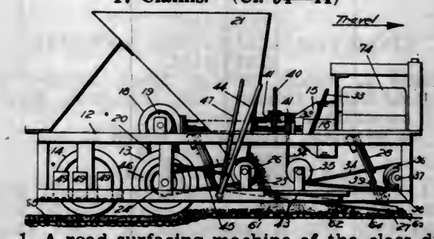
2,201,533
STORE SERVICE TRUCK
Sylvan N. Goldman, Oklahoma City, Okla.
Application April 8, 1939, Serial No. 266,829
2 Claims. (Cl. 280—50)

2. A store service truck comprising a roller carriage having upright end members, said end members including a plate having opposed wing portions extended inwardly longitudinally of the carriage a short distance, a handle on one of the end members, a shelf pivotally connected to the other end member, stop pins on the first named



end member aligned with the pivots of the shelf, said shelf being movable to a position across the end member, the free end of the shelf having notches for engagement of the stop pins.

2,201,534
MEANS FOR ROAD SURFACING
Charles V. Hallenbeck, Denver, Colo.
Application July 1, 1937, Serial No. 151,429
17 Claims. (Cl. 94—44)



1. A road-surfacing machine of the class disclosed, comprising a carriage, a driving motor thereon, carriage roller wheels in driven relation to the motor, a forwardly inclined material size-classifying screen on the carriage, positioned to discharge the coarsest material farthest forward in the direction of travel of the machine, and mechanism for transmitting power from the motor to operate the screen.

2,201,535
LIPOPHILIC-HYDROPHILIC DERIVATIVES OF THIO COMPOUNDS
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application August 7, 1937, Serial No. 157,949
11 Claims. (Cl. 260—400)

1. Chemical compounds corresponding to the general formula

$$Z—O—X^1—S—X^2—Y$$

wherein X^1 and X^2 represent members selected from the class consisting of alkylene and substituted alkylene groups, Z represents a lipophilic group containing at least six carbon atoms, and Y represents a hydrophilic group.

2,201,536
STRINGED INSTRUMENT TUNER
Ellison Harvey, Jackson Heights, N. Y.
Application February 18, 1939, Serial No. 257,261
4 Claims. (Cl. 84—312)



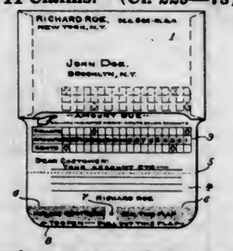
1. A pitch changer for stringed musical instruments comprising, a supporting structure, a shaft rockably mounted on said supporting structure, prongs extending laterally from said shaft adapted to receive and anchor one end of a tuned string, an arm extending laterally from said shaft, and foot actuated means connected

to swing said arm and rock said shaft and consequently move the prongs and thereby release the tension on the tuned string whereby the pitch is lowered.

2,201,537
LINER FOR SEPARATING ADHESIVE MATERIAL
Walter R. Hickler, Weston, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
No Drawing. Application March 30, 1937, Serial No. 133,828
2 Claims. (Cl. 91—68)

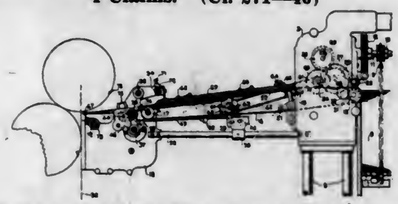
1. A separable liner for adhesive material, said liner comprising permeable sheet material impregnated with a composition of water glass mixed with glycerine, paraffin wax and oleic acid.

2,201,538
ENVELOPE
John A. Holden, Baltimore, Md.
Application June 3, 1938, Serial No. 211,503
11 Claims. (Cl. 229—73)



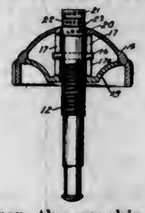
1. An envelope comprising back and front members, a transversely folded sealing flap adjoining the back member insertible under the front member and within the outline of the envelope, said flap bearing a legend adjacent its free edge to indicate that the envelope may be opened by extending the flap, said front member being modified to allow for the visibility of said legend, and means on the inside of the flap to retain the same under the front member.

2,201,539
SHEET FEEDING APPARATUS
Edward R. Kast, Pearl River, N. Y., assignor to Dexter Folder Company, Pearl River, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 224,237
4 Claims. (Cl. 271—46)



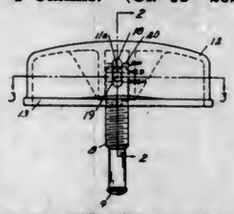
1. In a sheet feeding apparatus, a conveyor including a plurality of tapes for advancing a stream of lapped sheets toward a machine to be fed, means for driving said tapes at a slow speed, a plurality of transversely spaced chains extending along the tapes and having series of sheet engaging members spaced a predetermined distance apart, said chains and said tapes being arranged in the same plane beneath the stream of lapped sheets and said sheet engaging members projecting upwardly from the chains and traveling therewith in the same direction as the tapes, and means for driving said chains and sheet engaging members at a speed slower than the speed of the tapes whereby each sheet of the stream while being advanced by the tapes is moved thereby into engagement with said members and held thereagainst during forward movement of said sheets imparted thereto by said tapes.

2,201,540
WRINGER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application February 6, 1936, Serial No. 62,605
3 Claims. (Cl. 68—262)



1. In a wringer, the combination of a frame; rolls mounted in the frame; means exerting yielding pressure on the rolls; a screw adjusting the means; an operating nut for the screw, the screw extending through the nut and said screw being provided with a handle, and said handle being independent of the axial movement of the screw; and an index indicating the degree of adjustment of the means through the action of the screw, said screw having the index scale thereon exposed through the projection of the screw through the handle.

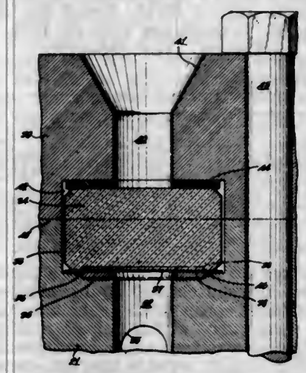
2,201,541
WRINGER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application February 23, 1938, Serial No. 191,923
4 Claims. (Cl. 68—262)



1. A pressure adjusting means for adjusting pressure from a wringer frame to resilient pressure means comprising a screw; a nut in which the screw operates; and a handle for the screw, said handle being rotatively locked and axially movable relatively to the screw, and having an opening in the side thereof disclosing the adjusted position of the screw.

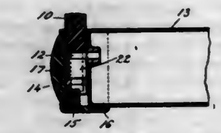
2,201,542
GAUGE GLASS WITH GASKET AND GASKET SEAT
Walter J. Kinderman, Philadelphia, Pa., assignor to Yarnall-Waring Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 26, 1937, Serial No. 133,126
7 Claims. (Cl. 73—330)

1. In a water gauge, a body having a slot to disclose a water column within the body, a gasket seat around the slot, a gasket on the seat, a glass having a flat face presented to the gasket, the said seat throughout its perimetral length sloping outwardly toward the glass and a cover having a slot adapted to disclose the water column through the glass and the body slot, having face to face engagement with the body and supporting the glass in a position to press the glass



upon the gasket, thereby moderately compressing the gasket and spreading the gasket laterally somewhat up the slope, whereby fluid pressure within the column presses the gasket outwardly into the outwardly constricting space at the slope to tighten the gasket seal between the glass and the body and the face to face engagement of the cover and body limits and determines the initial compression of the glass upon the gasket.

2,201,543
FLUORESCENT LAMP SOCKET CROWN
Frederick K. Maerz, New York, N. Y., assignor to Harry J. Gruber and Max D. Gruber, doing business as Gruber Bros., New York, N. Y.
Application February 13, 1939, Serial No. 256,153
3 Claims. (Cl. 173—328)



2. A lamp socket cap, having a base, a flange at right angles to said base and substantially surrounding said base, an opening in said flange for receiving a lamp socket, teats projecting from said base and flange opposite said opening for entrance into lamp socket slots, and a space between said teats and said base.

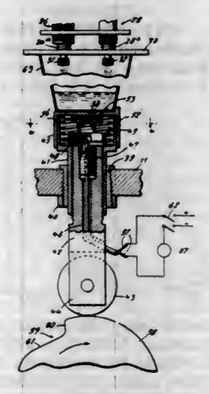
2,201,544
POLYMERIC CONDENSATION PRODUCTS
Carl S. Marvel, Urbana, Ill., and Donald S. Frederick, Swarthmore, Pa.; said Frederick assignor to said Marvel
No Drawing. Application October 2, 1937, Serial No. 166,944
9 Claims. (Cl. 260—94)

1. Process of preparing olefin-sulfur dioxide polysulfones which comprises reacting sulfur dioxide with a mono-olefin having the formula

$$\begin{matrix} HC{=}CH \\ | \quad | \\ Y \quad Z \end{matrix}$$

in which Y represents a radical from the group consisting of hydrogen, methyl, and hydroxy methyl and, with Z, a saturated divalent hydrocarbon radical containing less than 7 carbon atoms, and Z represents a radical from the group consisting of hydrogen and alkyl radicals and, with Y, a saturated divalent hydrocarbon radical containing less than 7 carbon atoms, in the presence of ascaridole and a monomeric alcohol miscible with the reactants and liquid at the reaction temperature.

2,201,545
AUTOMATIC LIQUID DISPENSING FOUNTAIN
Michael Mazzanobile, New York, N. Y.
Application April 13, 1939, Serial No. 267,565
5 Claims. (Cl. 226—128)

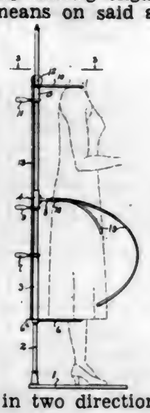


1. In combination with a liquid dispenser having a horizontal beam and adapted to be actuated by raising said beam, a vertically slidable member mounted under said beam, said member having a cap resiliently supported on its upper end, said cap being adapted to have a glass set thereon with the rim of the glass separated a short distance from said beam, means for raising said member and said cap and consequently simultaneously lifting said glass against said beam upon momentary depressing of said glass against said resiliently supported cap and for maintaining said member, said cap and said glass in said raised position against said beam for an interval and for releasing said member, said cap and said glass to the original position at the end of said interval, said dispenser upon the said raising of said glass against said beam being adapted to release during said interval a measured quantity of liquid into said glass.

2,201,546
MEASURING DEVICE
Jonas Reiner, New York, N. Y.
Application January 20, 1939, Serial No. 251,921
2 Claims. (Cl. 33—8)

2. In a device of the type described the combination including a vertical column, a plurality of sleeves slidably mounted on said column, each of said sleeves being slotted to form a finger, means for independently forcing the fingers of

said sleeves into locking engagement with said column, and means on said arms for effecting



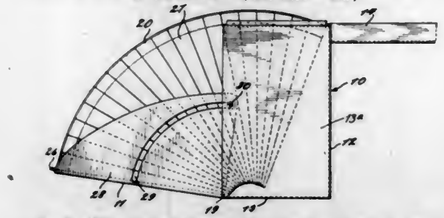
measurements in two directions at right angles to each other.

2,201,547

EXPANDING FILE

Sol Scheinman, White Plains, N. Y.

Application February 25, 1937, Serial No. 127,621
8 Claims. (Cl. 129—15)



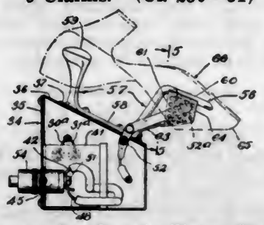
1. A file comprising an outer casing of relatively stiff material having a pivoted front wall adapted to be swung forwardly to expose the contents of the file, means for limiting the forward swinging movement of the front wall to a position short of the horizontal position, an expanding paper lining within the casing whose front and rear walls are attached to the corresponding walls of the casing, the side portions being capable of expanding and contracting as the front wall of the casing is opened and closed, the casing front wall being pivoted adjacent to the bottom wall of the casing, and a cover pivoted upon the rear wall of the casing and swingable rearwardly to substantially the horizontal position to aid in counterbalancing the forwardly tilted front wall.

2,201,548

STERILIZER FOR FOOTWEAR

Silas H. Treinis, New York, N. Y.

Application June 28, 1939, Serial No. 281,532
9 Claims. (Cl. 250—51)



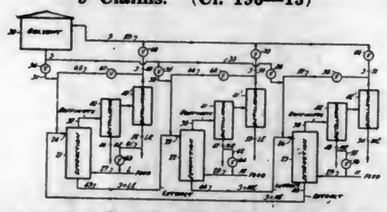
1. An apparatus for sterilizing footwear, said apparatus comprising a skeleton support for the footwear, the support including a toe receiving portion, and means in juxtaposition to and guarded by said toe receiving portion for radiating ultra-violet rays for direct exposure to the inner surfaces of the toe portion of the footwear.

2,201,549

PROCESS FOR THE SOLVENT EXTRACTION OF LIQUID MIXTURES

Willem J. D. van Dijck, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application July 9, 1935, Serial No. 30,495
In the Netherlands July 14, 1934
9 Claims. (Cl. 196—13)



1. A process for the extraction of a plurality of at least two different initial liquid mixtures containing different components, each mixture containing a component which is preferentially soluble in a selective solvent and a component which is not preferentially soluble therein, comprising the steps of introducing each of said mixtures into a separate countercurrent extraction zone forming a part of a closed circuit of a plurality of extraction zones, the preferentially soluble component of each mixture being different from the preferentially soluble component of the mixture introduced into the next succeeding extraction zone of the circuit, and being soluble in the component of the mixture introduced into the said next succeeding extraction zone which is not preferentially soluble, introducing into each extraction zone an extracting agent containing said selective solvent and dissolved therein preferentially soluble component derived from the mixture introduced into the preceding extraction zone of the circuit, countercurrently contacting the introduced mixture and extracting agent in each extraction zone to form therein an extract phase containing said selective solvent and the preferentially soluble component of the mixture introduced into the respective extraction zone, and a raffinate phase containing the component of the mixture introduced into said respective extraction zone which is not preferentially soluble in the selective solvent and a material amount of the preferentially soluble component of the mixture introduced into the next preceding extraction zone of the circuit and which preferentially soluble component was dissolved in the extracting agent introduced into said respective extraction zone, separately withdrawing the extract and raffinate phases from the extraction zone, and using the extract phase withdrawn from each extraction zone as the extracting agent in the next succeeding extraction zone of the circuit.

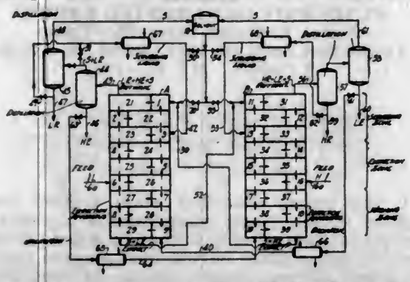
2,201,550

PROCESS FOR THE SOLVENT EXTRACTION OF LIQUID MIXTURES

Willem J. D. van Dijck, The Hague, and Albert Schaafsma, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application January 15, 1937, Serial No. 120,736
In the Netherlands January 16, 1936
16 Claims. (Cl. 196—13)

1. A process for the extraction of a plurality of at least two different initial liquid mixtures containing different components, each mixture containing a component which is preferentially soluble in a selective solvent and a component which is not preferentially soluble therein, comprising the steps of subjecting the first of said initial mixtures to the extractive action of said selective solvent in a first extraction stage to produce a first raffinate phase containing the component of the first mixture which is not preferentially soluble and a first extract phase containing the solvent and the preferentially soluble component of the first mixture, separating said first phases, introducing the first extract phase and a second of said initial mixtures at spaced points of a second counter-current extraction stage, contacting the second mixture in the second extrac-



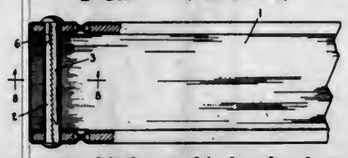
tion stage counter-currently with the first extract phase to form therein a second raffinate phase containing the preferentially soluble component of the first mixture and the component of the second mixture which is not preferentially soluble, and a second extract phase containing the selective solvent and the preferentially soluble component of the second mixture, separately withdrawing the second raffinate and extract phases from the second extraction stage, and introducing into said second extraction stage, at a point intermediate the points of introduction of said first extract phase and said second initial mixture, a scrubbing liquid containing the component of said second mixture which is not preferentially soluble in a higher concentration than said second initial mixture.

2,201,551

BINDER FOR LOOSE LEAVES

Nelson S. Welk, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation of Ohio

Application October 12, 1938, Serial No. 234,515
1 Claim. (Cl. 85—4)



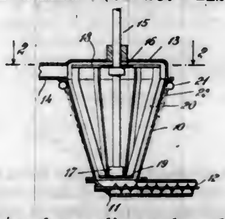
In a paper binder, a binder for loose leaves comprising two mating sections substantially semicircular in cross-section, the flat portions of which are provided with interlocking teeth which permit free longitudinal movement in one direction but none in the opposite, each section being provided with a head which extends in the path of the other section, a key on the toothed portion of one of said sections which extends longitudinally thereof, there being a registering groove in the toothed portion of the other of said sections in which said key is slidable.

2,201,552

APPARATUS FOR TREATING PULVERULENT MATERIALS

Nikolai Ahlmann, Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y., a corporation of New Jersey

Application May 15, 1936, Serial No. 79,837
In Great Britain May 31, 1935
1 Claim. (Cl. 257—112)



An apparatus for cooling pulverulent material, such as freshly ground cement, freshly hydrated lime, burned alumina, etc., which comprises a container having a heat-conductive wall defining a relatively large air space, the inner surface of said wall being generally frusto-conical and disposed with its axis vertical and its small end down, a cylindrical end section at the upper end of said wall having an outlet port therein, an outlet conduit leading from the port, means for introducing pulverulent material into the container near the lower end of said wall, a squirrel-cage beater mounted for rotation on the axis of the wall and having blades extending longitudinally of the wall and end section from a point near where the material is introduced to a point above the bottom of the outlet, the outer edges of the blades lying close to the inner surfaces of the wall and of the end section and said surfaces presenting a surface free from abrupt changes of direction from the point of introduction of the material to the outlet port, the blades operating to beat air into the material introduced into the container to render it fluent and to cause the material to move upwardly on the inner surfaces of said wall and end section along a helical path and in a thin layer in which the particles move relatively to one another, and means for causing a cooling medium to flow along the outer surface of said wall.

2,201,553

TREATMENT OF MOTOR FUELS

Frederic R. Bean, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Original application April 3, 1937, Serial No. 134,902. Divided and this application November 27, 1937, Serial No. 176,892
6 Claims. (Cl. 44—9)

1. A motor fuel comprising hydrocarbons and normally tending to deteriorate containing a N-furfurylaminophenol in an amount sufficient to substantially inhibit the deterioration.

2,201,554

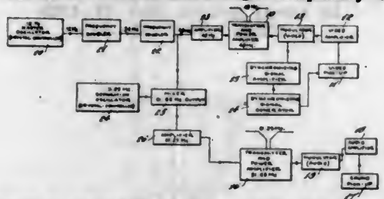
METHOD AND SYSTEM FOR TELEVISION TRANSMISSION

Stewart L. Clothier, East Orange, and Harold C. Hogencamp, Irvington, N. J., assignors to Kolorama Laboratories, Inc., Newark, N. J., a corporation of New Jersey

Application October 20, 1937, Serial No. 169,958
2 Claims. (Cl. 178—5.6)

1. A television transmission system comprising a first radio frequency transmitter including an

antenna system, means including an oscillator for developing a first ultra-high frequency carrier wave and means for modulating said first carrier wave at audio frequencies; a second radio frequency transmitter including a separate antenna system, means including a separate oscillator for developing a second ultra-high frequency wave



differing in frequency from the first carrier wave, and means for modulating said second carrier wave at video frequencies; one of said oscillators being crystal-controlled and operated at the desired separation frequency and interlocking and maintaining a fixed separation in frequency between the two carrier waves.

2,201,555

COPPER AND COPPER BASE ALLOYS

Michael G. Corson, New York, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc., a corporation of New York

No Drawing. Application April 13, 1938, Serial No. 201,725

1 Claim. (Cl. 148—11.5)

In the manufacture of wrought articles composed of alpha brass containing between 0.05% and about 0.2% chromium, wherein the molten alloy is cast, mechanically wrought, and annealed, the method of preserving a fine-grained structure and inhibiting grain growth during annealing which comprises precipitating the chromium in a uniformly distributed finely divided form by heating the alloy at a temperature between 350° C. and 700° C. and thereafter repeatedly and alternately mechanically working and annealing the alloy at temperatures below 850° C., the chromium being maintained in precipitated form during every step of the process subsequent to the said precipitating step by keeping the alloy at a temperature below 850° C., and the amount of precipitated chromium being insufficient to raise materially the hardness of said alpha brass or to impart substantial capacity to harden by heat treatment.

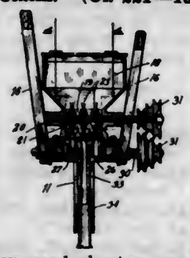
2,201,556

PLANTER

Angelo Croce, Welby, Colo., assignor of forty-nine per cent to Joseph F. Heffner, Denver, Colo.

Application March 28, 1938, Serial No. 198,446

1 Claim. (Cl. 221—130)



A multiple row seed planter comprising: a seed hopper; a rectangular brush chamber in the bottom of said hopper; a seed distributing boot closing the bottom of said chamber and having vertical seed passages opening to said chamber through its upper face; a sliding valve plate resting on the upper face of said boot and provided with ports which may be brought into register with said passages; a removable seed plate shaped to fit within said brush chamber and resting by gravity on said valve plate, said seed plate having openings in register with said passages; a brush shaft extending across said seed plate; a brush on said shaft over each of said openings; a series of grooves extending throughout the length of the upper face of said seed plate, there being a groove beneath each of said brushes; and means for rotating said shaft.

2,201,557

PLAIN KNIT ORNAMENTED FABRIC

James L. Getaz, Maryville, Tenn.

Application April 20, 1937, Serial No. 137,903

3 Claims. (Cl. 66—172)



1. The herein described plain knitted ornamented elastic fabric comprising a plurality of courses of plain stitches formed by a body thread, each of said courses having incorporated therein an elastic thread, under tension, of contrasting color, locked into the fabric at separated points in said courses, said elastic thread forming at certain corresponding points in each course, a loop replacing a loop of the body thread, which is floated behind said elastic loops, the loops of elastic thread in successive courses being drawn through the loops of elastic thread in the preceding courses, and forming stripes, the tension of said elastic thread contracting the fabric laterally and forming vertically disposed rib-like ridges.

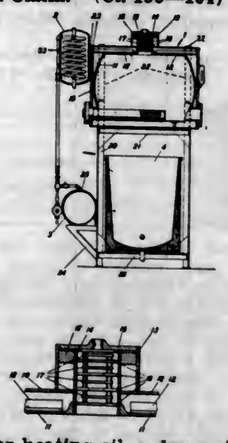
2,201,558

STILL FOR RE-REFINING USED CRANKCASE OILS

William D. Harris, Kansas City, Mo., assignor to Refinoil Manufacturing Corporation, Kansas City, Mo., a corporation of Missouri

Original application February 6, 1935, Serial No. 5,172. Divided and this application December 26, 1935, Serial No. 56,139

1 Claim. (Cl. 196—104)



In a still for heating oil, a dome at the top of

said still, a pipe in said dome, a flange on one end of said pipe, a removable cap plate on said pipe, and a plurality of alternately arranged discs and rings carried as a unit by a pair of rods supported from said plate.

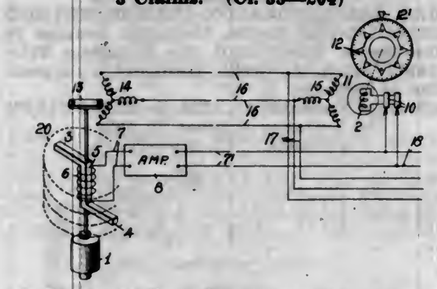
2,201,559

EARTH INDUCTION COMPASS

Francis L. Moseley, Pelham, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application May 12, 1937, Serial No. 142,313

3 Claims. (Cl. 33—204)



3. In an earth inductor compass, a universally suspended frame which together with its contained parts is mounted in substantially neutral equilibrium, a shaft journaled therein on a normally vertical spin axis, a driving motor for said shaft mounted in said frame and having its armature on said shaft, a generator employing the earth's magnetic field for producing a single phase A. C. potential, the rotor of said generator being also mounted on said shaft, a second generator also having its rotor on said shaft and its stator in said frame, said stator forming a field independent of the earth's field and producing a three phase A. C. potential, all of said rotors forming a vertical shaft gyro rotor of a universally suspended gyroscope, an erecting means for said gyroscope mounted in said frame, a remote repeater compass card, and motive means for turning said card, said motive means having its stator supplied from one of said A. C. potentials and the rotor supplied from the other.

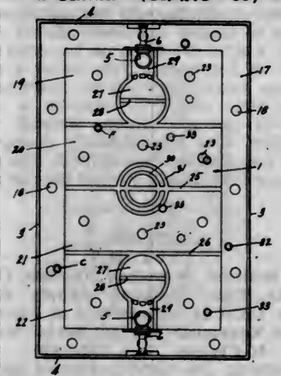
2,201,560

MINIATURE BASKETBALL GAME

Clare George Nelson, Portland, Oreg.

Application March 8, 1938, Serial No. 194,570

1 Claim. (Cl. 273—85)



A game comprising a game board whose surface contains a representation of a playing field for the game of basketball, an out-of-bounds zone surrounding the field, side and end walls secured to and entirely surrounding the outermost edges of the board, a basket disposed at each end of the playing field, means for removably securing the baskets to the end walls in an elevated and overhanging position with respect to the playing field and the out-of-bounds zone, said means consisting of a panel secured to the end wall at the center thereof, a bracket secured to the top of the panel and extending inwardly therefrom, a vertically disposed wall removably secured to the inner end of the bracket, and a basket removably secured to the lower end of said wall.

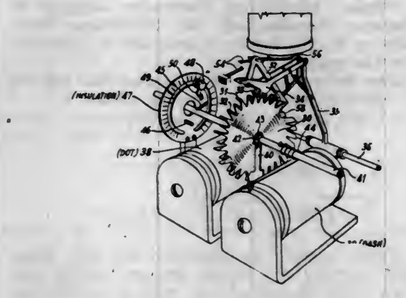
2,201,561

TELEGRAPH CALL SELECTOR AND MONITORING APPARATUS

Earl F. Norrito, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 6, 1936, Serial No. 83,852

4 Claims. (Cl. 177—332)



3. In a signalling system, a source of dot and dash signals, a switch having a rotor and two stepping pawls actuable singly and selectively in response to said signals for advancing said rotor from an initial position step-by-step to a circuit selecting position, and by a further step to a limiting position, a ratchet wheel mounted on said rotor and having differently aligned teeth, said teeth being cooperative with said pawls and having a permutational arrangement which matches a predetermined sequence of operation of said pawls necessary to advance the rotor from said initial position to said limiting position, a spring for retrogressive movement of said rotor, and means including a third pawl engageable with each of said teeth successively for avoiding unwanted retrogression of said rotor, said means being also operable by either of said stepping pawls upon departure of its operation from said predetermined sequence, also upon advancement of said rotor to its limiting position, for permitting said retrogressive movement of said rotor.

2,201,562

ELECTRICAL TESTING APPARATUS

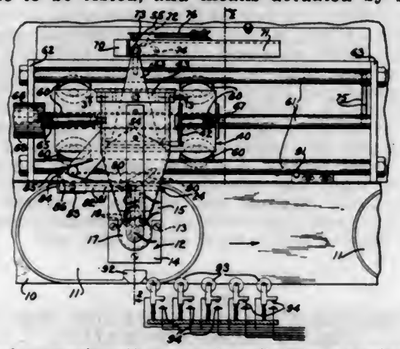
Christian Paulson, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 14, 1938, Serial No. 207,927

14 Claims. (Cl. 175—183)

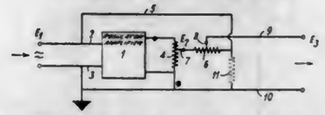
1. Electrical testing apparatus, including a search coil, a plurality of circuits adapted to be

operated in sequence, a jig for supporting an article to be tested, and means actuated by said



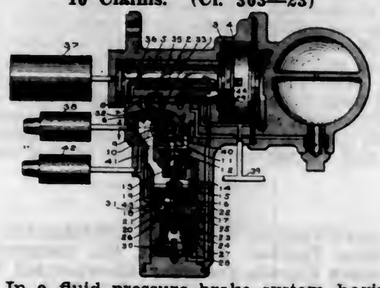
jig for moving the search coil into association with the article to be tested.

2,201,563
REGULATION OF SOUND IN LOW FREQUENCY CIRCUITS
Hubert Pfister, Grafelfing, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 20, 1937, Serial No. 126,773
In Germany February 10, 1936
8 Claims. (Cl. 179—171)



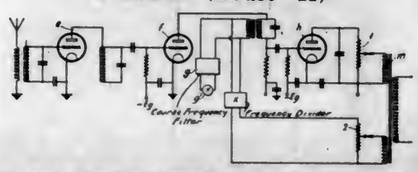
1. A signal system including means for automatically varying the signal volume range and having an input circuit and an output circuit and means in the output circuit for adding in phase a predetermined undistorted portion of the entire signal applied to said input circuit to the signal appearing in said output circuit.

2,201,564
FLUID PRESSURE BRAKE
Theophile Tarisien, Livry-Gargan, France, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 16, 1939, Serial No. 262,103
In France March 17, 1938
10 Claims. (Cl. 303—23)



1. In a fluid pressure brake system having a brake pipe, an empty brake cylinder, a load brake cylinder and a brake controlling valve device operative upon a reduction in brake pipe pressure to supply fluid under pressure to both of said brake cylinders, in combination, valve means normally closing communication from said controlling valve device to one of said cylinders and subject to the pressure of fluid in the other of said cylinders, and operative upon a predetermined build up of fluid pressure in said other cylinder to open said communication, and means controlled by the pressure of fluid in said other brake cylinder and an opposing pressure rendered constant upon initiating an application of the brakes for controlling said valve means.

2,201,565
GUIDE RAY OR BEACON COURSE METHOD
Günther Ulbricht, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 11, 1937, Serial No. 173,978
In Germany October 21, 1936
4 Claims. (Cl. 250—11)



1. A method of signalling for blind landing of aircraft along a radio beacon course comprising the steps of so modulating a beacon signal at a supersonic frequency for course indication that the course indication along a predetermined path is an uninterrupted wave and modulating the said supersonic frequency with voice frequencies for vocal landing instructions to the pilot of said aircraft.

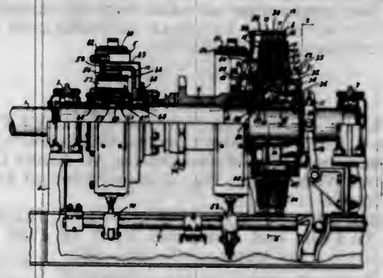
2,201,566
CULINARY UTENSIL
Walter J. Voelker, McKeesport, Pa.
Application August 10, 1939, Serial No. 289,421
7 Claims. (Cl. 294—2)



1. A culinary utensil for handling meat, pancakes and the like comprising a U-shaped spring metal handle, flat pancake turners formed on each end of the handle and normally held apart by the spring of the handle but constructed and arranged to be nested together when the handle is squeezed, a stud mounted on the inner surface of one arm of the handle, the other arm of the handle being provided with an opening for receiving the stud when the handle is squeezed, and manually operable means slidably mounted on the latter arm for lockably engaging said stud after the handle is squeezed whereby the two arms are detachably locked together.

2,201,567
CLUTCH
Daniel W. Walters, West Los Angeles, Calif., assignor to The National Supply Company, Torrance, Calif., a corporation of Pennsylvania
Application November 2, 1937, Serial No. 172,387
10 Claims. (Cl. 192—69)

7. In a clutch, the combination of cooperating driving and driven members rotatable about a common axis, a housing formed on the first of said members, an annular friction element encircling said housing and having a driving connection with the other of said members, clamping means carried on the first of said members adapted to clamp the friction element therebe-



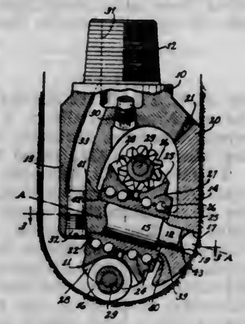
tween to establish a frictional driving engagement between the said members, actuating mechanism including a plurality of pivoted levers enclosed within said housing adapted to actuate said clamping means, and common means adapted to actuate said pivoted levers.

2,201,568
COMPOSITE ARTICLE AND ITS METHOD OF MANUFACTURE
Lloyd E. Wood, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1936, Serial No. 104,974
4 Claims. (Cl. 154—2)



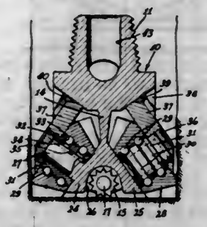
3. A method of making a composite article comprising assembling a fibrous sheet impregnated with phenol resin and a substantial amount of plasticizer, a fibrous sheet impregnated with unplasticized phenol resin, a fibrous sheet impregnated with a mixture of a cellulose derivative and a phenol resin, and a fibrous sheet impregnated with a cellulose derivative, in the order named, and consolidating the assembly under heat and pressure.

2,201,569
COMPACT ROLLER DRILLING BIT
John A. Zublin, Los Angeles, Calif.
Application February 21, 1938, Serial No. 191,622
11 Claims. (Cl. 255—71)



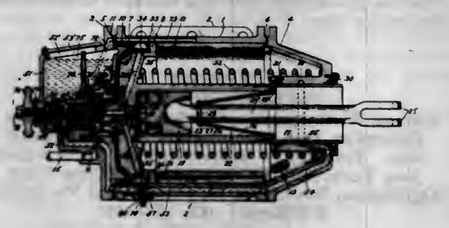
1. An earth boring tool comprising a shank having a depending leg integral therewith, a bearing supporting member integral with said leg and extending therefrom, a second depending leg welded at its upper end to said shank and carrying said bearing member at its lower region, a plurality of rolling cutters, and means supporting said cutters by said bearing member whereby they are adapted to intermittently contact the formation.

2,201,570
ROTARY EARTH BORING BIT
John A. Zublin, Los Angeles, Calif.
Application January 3, 1939, Serial No. 248,993
8 Claims. (Cl. 255—71)



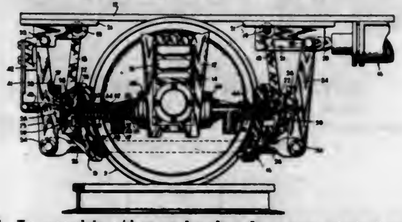
1. An earth boring drill including a one piece bit body provided with a downwardly extending web having diverging wings, an integral shaft extending from each wing, a cutter rotatably carried by each shaft, and detachable supports secured respectively to the end of each of said shafts and to said body.

2,201,571
BRAKE CYLINDER DEVICE
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 11, 1937, Serial No. 163,390
25 Claims. (Cl. 188—198)



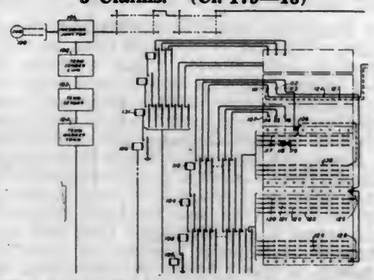
1. A brake cylinder device comprising in combination, a cylinder, a pressure head secured to one end of said cylinder, a non-pressure head secured to the opposite end of said cylinder, a brake cylinder piston slidably mounted in said cylinder, a rod carried by said piston and slidably mounted in a bore through said non-pressure head, a reservoir in said pressure head containing a quantity of lubricant, a pump piston slidably mounted in said pressure head and operable to supply lubricant from said reservoir through an intake passage to a chamber and from said chamber through a discharge passage for lubricating said device, a check valve for preventing back flow through said intake passage, a check valve for preventing back flow through said discharge passage, and means for effecting operation of said pump piston upon movement of said brake cylinder piston from release position and the subsequent movement of said brake cylinder piston back to release position.

2,201,572
AUTOMATIC SLACK ADJUSTER
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 27, 1938, Serial No. 204,539
9 Claims. (Cl. 188—198)



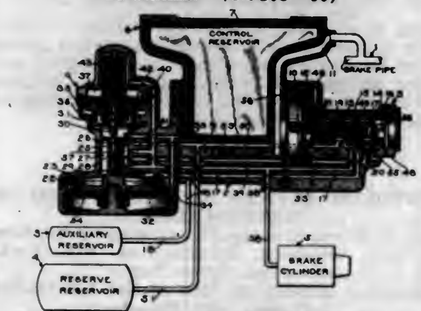
3. In combination, a brake shoe associated with a rotatable member to be braked, means for applying a force to shift the brake shoe into contact with a braking surface on the rotatable member, resilient yielding means for shifting said brake shoe away from the braking surface on the rotatable member upon diminution of the force applied by the force applying means, an element so constructed and arranged as to have a loose connection with the brake shoe permitting a certain limited amount of movement of the brake shoe with respect to the said element, and means constantly effective to resist movement of said element, said resisting means being ineffective to prevent movement of the said element to a position corresponding to the brake application position of the brake shoe in response to the force exerted by the force applying means and effective to prevent movement of said element by said resilient yielding means while urging the brake shoe away from the braking surface on said rotatable member, said element being thus constantly effective to limit the movement of the brake shoe away from the braking surface on the rotatable member to a substantially constant amount corresponding to the certain amount of relative movement between the said element and the brake shoe.

2,201,573
TELEPHONE SYSTEM
Warren W. Carpenter, Garden City, and Linus E. Kittredge, Port Washington, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 16, 1938, Serial No. 240,698
5 Claims. (Cl. 179—18)



1. In a telephone system, subscribers' lines identified by directory numbers, automatic switches, control equipment common to said lines and said switches, a set of terminals individual to each directory number, a set of terminals individual to each line in said switches, means to individualize one of said sets of number terminals with one of said sets of line terminals, means responsive to the registration of a directory number in said control equipment to connect said control equipment with the corresponding set of number terminals, and means in said control equipment responsive to said connection to control the connection of said control equipment with the set of line terminals individualized with said number terminals.

2,201,574
FLUID PRESSURE BRAKE EQUIPMENT
Earle S. Cook and John Canetta, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 10, 1938, Serial No. 212,873
In Chile and Argentina April 18, 1938
14 Claims. (Cl. 303—60)



1. In a fluid pressure brake equipment, in combination, a brake pipe, a brake cylinder, an auxiliary reservoir and another reservoir normally in communication with each other and charged with fluid under pressure, and brake controlling mechanism comprising valve means operative upon a reduction in brake pipe pressure to isolate the reservoirs from each other and to supply fluid under pressure from said auxiliary reservoir to the brake cylinder to effect an application of the brakes and further comprising a valve device responsive to a reduction in auxiliary reservoir pressure occasioned by the flow of fluid to the brake cylinder for supplying fluid under pressure from said other reservoir to the brake cylinder to assist in effecting the application of the brakes, said valve means and valve device being operative upon the attainment of brake cylinder pressure called for by the reduction in brake pipe pressure for isolating said reservoirs from each other and from the brake cylinder and said valve device being operative upon a subsequent reduction in brake cylinder pressure due to leakage for again supplying fluid from said other reservoir to the brake cylinder to compensate for the leakage.

2,201,575
MACHINE FOR TRANSFERRING FLUIDS
Ernest R. Corneil, Niagara Falls, N. Y., and Robert B. Corneil, Toronto, Ontario, Canada
Application March 4, 1938, Serial No. 194,008
3 Claims. (Cl. 230—79)

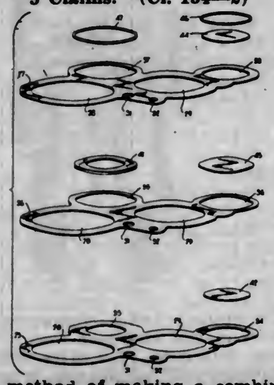
1. In a machine for transferring fluids, the combination of a cylindrical casing having a concave inner surface and walls which have plane and parallel inner surfaces, liquid in said casing and adapted to form an annular packing around said concave inner surface, a tubular member journaled in at least one of said walls and comprising inlet and outlet passages and an eccentric through which said passages extend,

and a substantially cylindrical rotor having a central bearing in which said eccentric is journaled in the proper relation for keeping the periphery of said rotor substantially in rolling contact with said concave inner surface, said rotor's periphery being formed with radial partitions which divide it into an annular series of fluid



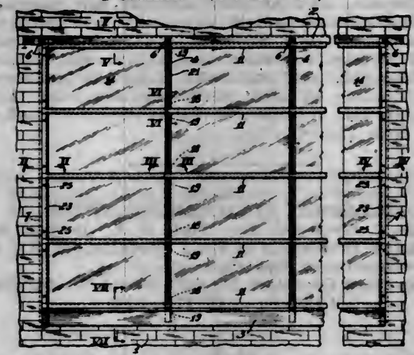
passages which have wide and capacious outer ends or chambers and constricted inner ends or ports which latter are adapted to be alternately in and out of open communication with said inlet and outlet passages when relative rotary motion is effected between said eccentric and rotor so that said rotor rolls on said concave surface.

2,201,576
METHOD OF MAKING GASKETS
Philip W. Dempsey, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application November 22, 1935, Serial No. 51,057. Divided and this application May 12, 1938, Serial No. 207,497
5 Claims. (Cl. 154—2)



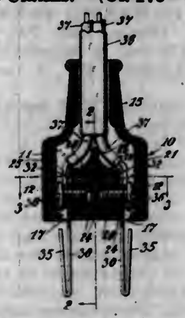
1. The method of making a combined gasket and diaphragm which comprises providing three layers of a rubber material for forming the gasket body, two of said layers each having a perforation of a certain size and the third of said layers having a perforation of larger size, the perforations being so located as to coaxially register when the layers are disposed in superimposed relation, providing a plurality of layers of a rubber material for forming the diaphragm, two of the diaphragm layers having an outer contour conforming substantially to that of the perforations in the said two gasket body layers and one of the diaphragm layers having an outer contour conforming substantially to that of the larger perforation in the said third layer, assembling the gasket body layers in superimposed relation with the said third layer between the other two layers, and the diaphragm layers in corresponding superimposed relation within the perforations of the corresponding gasket body layers, disposing the assembly of layers in a mold and applying pressure and heat to effect union of the layers.

2,201,577
WINDOW SASH
Emil K. Geyser, Pittsburgh, Pa.
Application October 5, 1938, Serial No. 233,352
4 Claims. (Cl. 189—64)



1. A window sash assembled in a substantially complete window opening having a lintel supporting the building wall above the opening, comprising a plurality of separate vertical muntins, a plurality of individual fastening means suspending the muntins separately from said lintel at the sides of said opening and at horizontally spaced points between, the lower ends of the muntins being anchored in spaced relation at the bottom of said opening, a plurality of separate channel-like horizontal muntins extending across said opening and having their inner flanges disposed against the outer surfaces of the vertical muntins, a plurality of tongue-like members projecting from said outer faces and overlapping said inner flanges only for clamping the horizontal muntins to the vertical muntins to form a plurality of rectangular glass-receiving openings, and vertical facing members disposed between the horizontal muntins for overlapping the end portions of at least some of the panes of glass in said rectangular openings.

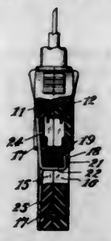
2,201,578
ATTACHMENT PLUG
Alexis C. Grohsgal, New York, N. Y., assignor to Marks Products Co., Inc., Brooklyn, N. Y., a corporation of New York
Application December 24, 1937, Serial No. 181,627
3 Claims. (Cl. 173—361)



2. A device of the character described comprising a housing of resilient material having an

open-ended chamber therein, said chamber being provided with side walls which are substantially flat over the major portions thereof, an insert member of hard insulating material having terminal prongs secured thereto, said insert member having side walls which are substantially flat over the major portions thereof, the engagement of side walls of said insert member with side walls of said chamber preventing relative rotation of the housing and the insert member, said housing having recesses in said side walls, and integral lugs on said insert member for introduction into said recesses to retain said insert member in said housing, said lugs being shaped to facilitate introduction of said insert member into said housing and to resist removal of the insert member from the housing.

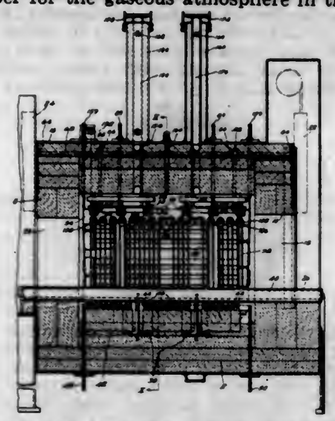
2,201,579
ELECTRIC ATTACHMENT DEVICE
Alexis C. Grohsgal, New York, N. Y., assignor to Marks Products Co. Inc., Brooklyn, N. Y., a corporation of New York
Application December 24, 1937, Serial No. 181,628
4 Claims. (Cl. 173—332)



1. A device of the character described comprising a housing made up of complemental parts each having an opening therein, said openings being in register to provide a single through opening, one of said parts having a longitudinal slot in a surface thereof crossing said opening therein, the other of said complemental parts having a slot in a surface thereof extending from one edge only of the opening therein, and a locking member having an intermediate portion disposed in said through opening; having a relatively short hook portion adapted to engage in the slot in one of said members and having relatively long oppositely directed end portions adapted to lie in said longitudinal slot, said intermediate portion joining said hook portion to said oppositely directed end portions.

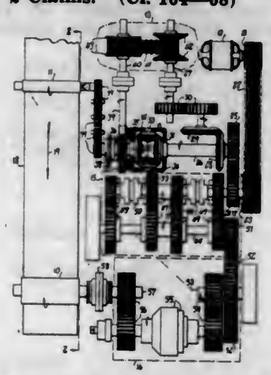
2,201,580
COPPER OXIDIZING FURNACE
Floyd T. Hague, Drexel Hill, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1938, Serial No. 247,199
16 Claims. (Cl. 13—20)

1. In a furnace of the type in which a charge is to be heat-treated while enveloped by a copious supply of a gaseous atmosphere having constituents for reacting with the charge, walls defining a heat-treatment chamber, heating means in said chamber substantially parallelling one of said walls, an inlet to said chamber for a gas supply, a compact, metallic pipe system in said chamber for conveying the gas from said inlet in a tortuous path whereby the gaseous supply is preheated, said pipe system having discharge means for discharging the gaseous atmosphere into said heating chamber, and outlet means from said chamber for the gaseous atmosphere in the said



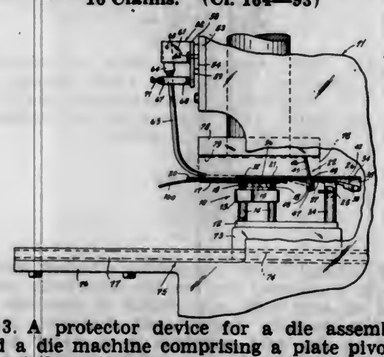
chamber, said pipe system being interposed between the last said wall and said heating means.

2,201,581
FLYING CUTTING DEVICE
Karl W. Halliden, Thomaston, Conn.
Application January 14, 1939, Serial No. 250,897
2 Claims. (Cl. 164—68)



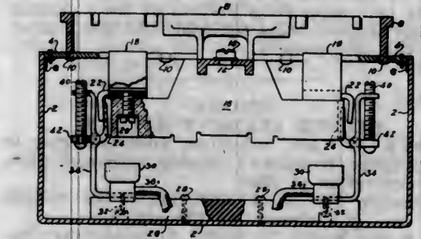
2. A flying cutting device comprising: drive-means; cutter-means and feed-means for said cutter-means, driven by said drive-means; and precision infinitesimally-adjustable means interconnecting said cutter-means and said feed-means and including, a change-gear unit having a plurality of selectively-engageable pairs of change-gears of different speed-ratios differing by relatively-large steps, a differential-gear unit having a differential output-shaft, and a presettable infinitesimally-adjustable speed-ratio unit having a rotatable mechanical-drive connection with said differential-gear unit and adapted to rotate said connection uninterruptedly and at substantially-uniform angular speed at any adjustment of said infinitesimally-adjustable speed-ratio unit to operatively control the speed of rotation of said differential output-shaft and having an infinitesimally-adjustable speed-ratio range at least equal to the speed-ratio range between each two successive speed-ratios provided by said pairs of change-gears and designed and adapted to be set to give and maintain any desired predetermined speed-ratio between each two successive speed-ratios provided by said pairs of change-gears; said change-gear unit, differential-gear unit and infinitesimally-adjustable speed-ratio unit together forming means designed and adapted to provide a continuous precision infinitesimally-adjustable range of speed-ratios between said cutter-means and said feed-means, over the whole range of steps provided by said pairs of change-gears; said change-gear unit being operatively interposed between said drive-means and said cutter-means; and said differential gear-unit and said infinitesimally-adjustable speed-ratio unit being operatively interposed between said drive-means and said feed-means.

2,201,582
DIE
Earl Jerichow, Hannibal, Mo., assignor to International Shoe Company, St. Louis, Mo., a corporation of Delaware
Application January 31, 1940, Serial No. 316,536
16 Claims. (Cl. 164—93)



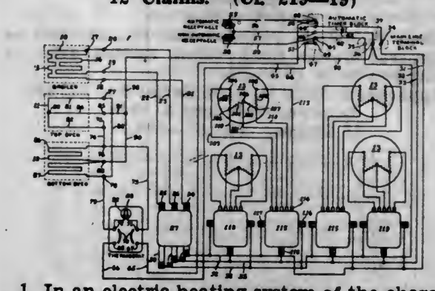
13. A protector device for a die assemblage and a die machine comprising a plate pivotally mounted on the die assemblage adapted to be moved into and out of a position overlying the cutting edges of the die, said plate having a plate of relatively soft material connected to that side adapted to lie adjacent the die cutting edges, said soft plate being sufficiently extensive to overlie the cutting edges of the die, a member connected to said plate and extending therefrom, and an arm construction connected to the die machine including an arm disposed in cooperative relation to the member extending from the plate, said arm being adapted to pivot the plate through contact with the member to an inoperative position upon movement of the die from operative to inoperative position.

2,201,583
TERMINAL CLAMP
Herbert M. Johnson, Boston, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 27, 1937, Serial No. 171,385
5 Claims. (Cl. 200—158)



1. In an electric circuit terminal clamping device, a terminal clamp for receiving a circuit conductor, a terminal jaw spaced therefrom for receiving another conductor, supports for said clamp and jaw and means for securing them thereto including two conducting members secured at one end respectively to said clamp and jaw, the free ends of said members extending toward each other in parallel relation and terminating adjacent to each other, a lever pivoted intermediate its ends to one of said members with one end of the lever disposed adjacent to the other member, and screw-operated means for positively moving the other end of said lever to positively engage and disengage said one end of the lever and to said other member.

2,201,584
STOVE
Bertrand B. Kahn, Cincinnati, and Carl J. Hake, Hamilton, Ohio, assignors to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application April 14, 1938, Serial No. 201,900
12 Claims. (Cl. 219—19)

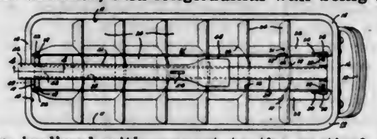


1. In an electric heating system of the character described, a heating unit comprising at least three resistor sections connected in series and provided with terminal junctions at the ends of each of said sections, main line connecting means comprising two terminals adapted to be connected to two power lines having a relatively high voltage across said lines and a third terminal adapted to be connected to a third power line having a relatively low voltage across said third line and each of said two lines, and means including a multi-position switch means having a plurality of switch contact means for establishing different circuits between said resistor sections and said main line terminals to provide at least four different heating stages, said contact means connecting each of said resistor sections across one or the other of said two high-voltage terminals and said third terminal in a high heating position of said switch, and said contact means connecting a plurality of said resistor sections either individually or in series across one or the other of said two high-voltage terminals and said third terminal in each of a plurality of other positions of said switch to provide a plurality of heating stages in addition to said high heating stage in which the heat developed is substantially independent of the relatively high voltage applied to said two terminals.

2,201,585
ICE TRAY
Francis P. Keiper, Philadelphia, Pa., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 7, 1938, Serial No. 183,914
Renewed August 28, 1939
15 Claims. (Cl. 62—108.5)

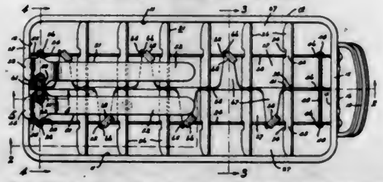
12. A unitary removable grid structure for dis-

position in a freezing tray comprising, a single thickness substantially non-flexible longitudinal wall and a plurality of walls extending transversely thereto in spaced apart relation along the length thereof to form a plurality of ice block compartments, said walls being movable relative to one another, said longitudinal wall being nor-



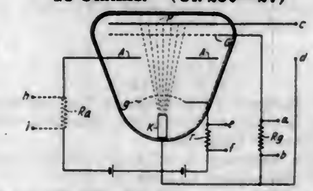
mally inclined with respect to the vertical, and means for causing relative movement between said longitudinal grid wall and said transverse grid walls to move said longitudinal grid wall in a direction toward the vertical to break an ice bond between the compartment walls and ice blocks therein.

2,201,586
ICE TRAY
Francis P. Keiper, Philadelphia, Pa., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 8, 1938, Serial No. 212,487
Renewed February 5, 1940
15 Claims. (Cl. 62—108.5)



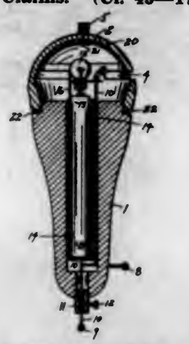
15. A unitary removable grid structure for disposition in a freezing tray comprising, a plurality of horizontally spaced apart substantially non-flexible partitions movably connected together to provide walls of an ice block compartment therebetween, means for imparting force directly to one of said partitions to move same relative to another of said partitions, means for transmitting the force imparted to said one partition to said another partition, and said last named means being so constructed and arranged that movement of said one partition causes movement of said another partition laterally with respect to the direction of movement of said one partition to break a bond between an ice block and its compartment walls.

2,201,587
ELECTRON DISCHARGE DEVICE SYSTEM
Günther Krawinkel, Berlin-Lichterfelde, Germany
Application April 21, 1937, Serial No. 138,103
In Germany April 25, 1936
13 Claims. (Cl. 250—27)



1. The method of varying the voltage of an element of an electron discharge device for amplification control or electric energy storage which consists in causing said element to float in an open circuit, varying the charge on said element by bombarding said element with a primary electron stream to cause secondary electron emission from said element in a ratio greater than unity, and controlling said primary electron stream in response to variations in the charge on said element.

2,201,588
LIGHTED BOBBER FOR FISHLINES
William L. Kuhns, Girard, Ohio
Application May 13, 1939, Serial No. 273,446
2 Claims. (Cl. 43—17)

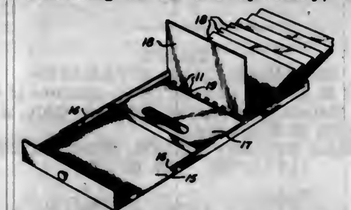


1. A fishline bobber comprising a hollow wooden body, a rounded top portion removably positioned on said body, a plurality of openings in said top portion, transparent material positioned in the said openings in a water tight manner, a tubular battery holder positioned in the said hollow wooden body, an L-shaped bracket, one end of which is positioned between the said tubular battery holder and a battery positioned therein so as to contact the side of the said battery, an opening in the other end of the said L-shaped bracket adapted to receive an electric bulb and hold the same just above the upper end of the said battery, a rod movably positioned in the hollow wooden body, the upper end of which extends thru an opening in the said L-shaped bracket, a nut threaded on the upper end of the said rod and positioned immediately above the said L-shaped bracket, the lower end of the said rod extending out of the said wooden body at its lower end thru a suitable gland, a set screw positioned in the said gland and adapted to exert pressure against the said rod so that the same may be held stationary in relation to the gland or permitted to move in relation to the gland, an eyelet formed on the bottom of the said rod to provide attachment means for a fishline so that jerks upon the fishline will result in the vertical movement of the said rod and a vertical movement of the bulb supporting portion of the L-shaped bracket so as to bring the said bulb into contact with the said battery.

2,201,589
RECORD ELEMENT HOLDER
Forest L. W. Link, Silverton, Ohio, assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application March 13, 1939, Serial No. 261,435
6 Claims. (Cl. 129—16.7)

6. A card holder for visible index systems comprising a generally channel shaped element, said

element having an arcuate side and a substantially vertical side, and having a plurality of teeth extending in an arc upwardly, inwardly



and downwardly from said substantially vertical side, the ends of said teeth extending slightly below the top edge of said arcuate side and being inwardly spaced therefrom.

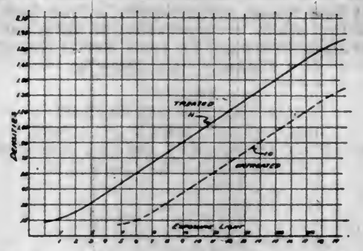
2,201,590
CONNECTOR
Brouwer D. McIntyre, Monroe, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application January 17, 1938, Serial No. 185,472
3 Claims. (Cl. 287—85)



1. In a connector, a member having a portion forming a housing provided with an opening through one side wall thereof, a stud having a head extending into the housing through said opening, a resilient bushing comprising sections having the adjacent ends axially bored and secured in the housing under compression against opposite sides of the stud head, and a pin extending transversely through the stud head with the opposite ends extending into the axially bored portions of the sections and having a length greater than the maximum dimension of the opening.

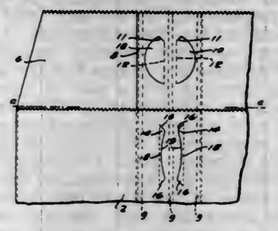
2,201,591
PHOTOGRAPHIC PROCESSING
Gabriel Garcia Moreno, Mixcoac, D. F., Mexico, assignor to CMC Corporation, New York, N. Y., a corporation of Delaware
Application May 11, 1939, Serial No. 273,023
6 Claims. (Cl. 95—88)

1. In a process of treating exposed photographic emulsions containing a latent image, the steps of subjecting a photographic emulsion after exposure and prior to development to the action of an aqueous alkaline medium containing from about 0.2 to 4.0 grams of an activating agent from the group consisting of meta-phenylene-diamine, meta-nitraniline and meta-toluidine, per 1000 cc. of said medium, for a period of from 2 to 10 minutes and in the absence of a developer, then washing and drying the film, and then de-



veloping the film in a developer for a shorter time than that normally employed for such developer.

2,201,592
CLOSURE FOR RECEPTACLES
George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y., a corporation of New York
Application December 27, 1938, Serial No. 247,777
9 Claims. (Cl. 229—84)



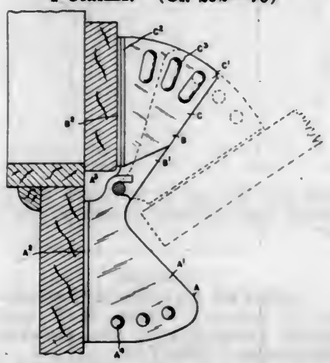
1. A device for securing together the walls of a receptacle which walls occupy a definite superposed relation, a tab cut from one of said walls, said tab having an edge portion at one end of its base meeting its base line at an obtuse angle, a tab cut from the other wall having an edge portion at one end thereof meeting its base line at an acute angle, the tabs extending in opposite directions from their bases, the tabs adapted to be interlaced in the definite superposed position of the walls and without disturbing such definite position.

2,201,593
HONING TOOL
Maurice N. Prange, Detroit, Mich., assignor to Detroit Hone Equipment Corporation, Ferndale, Mich., a corporation of Michigan
Application February 28, 1938, Serial No. 193,183
5 Claims. (Cl. 51—184.4)



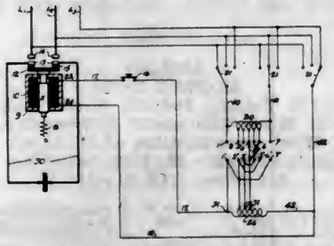
1. In a lapping tool, a revoluble cage, abrasive elements supported on the cage for movement radially of the axis of the cage, a member supported for sliding movement relative to the cage, means responsive to sliding movement of the member in one direction to impart a rotative movement to said member, and a scroll revoluble with said member and having spiraled teeth on one side thereof engageable with corresponding teeth on adjacent portions of the abrasive elements to move the latter radially relative to the cage.

2,201,594
DOOR STOP
Robert L. Sitts, Pontiac, Mich., assignor, by direct and mesne assignments, to Slip-Lok, Inc., Pontiac, Mich., a corporation of Michigan
Application February 27, 1939, Serial No. 258,781
4 Claims. (Cl. 292—76)



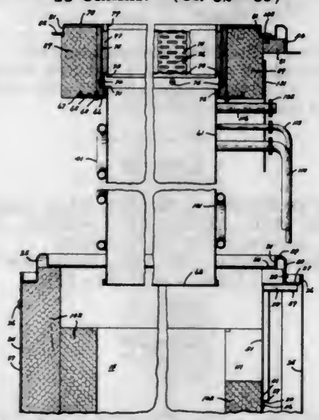
1. A door stop comprising a pair of flanged segmental members attachable by the flanges thereof respectively to the door and casing independently of the door hinge, one of said members having a single segment provided with a series of struck-out portions and the other member being provided with a pair of segmental portions spaced to receive said single segment therebetween with a series of spaced depressions for latching engagement with said struck-out portions, said members being further provided with slotted portions for engagement with the projecting portion of the hinge bolt or pin to locate the same concentric with the axis of said bolt or pin.

2,201,595
SYSTEM FOR ARCLESS INTERRUPTION OF ALTERNATING CURRENT
William F. Szabo, Cleveland, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 3, 1936, Serial No. 72,569
24 Claims. (Cl. 175—294)



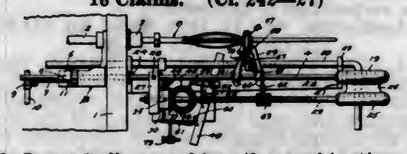
1. In combination with a source of polyphase current, a load circuit arranged to be energized thereby, a contactor for connecting one phase of the source to the load circuit, a control circuit including a coil for operating said contactor, said control circuit including an inductance coil connected across one phase of said source and having an intermediate tap connected to a terminal of said contactor coil, another terminal of the contactor coil being connected to the source, and a means for opening the control circuit at a predetermined point in the cycle of the current in the control circuit, said intermediate tap being so positioned that upon opening of said control circuit at said predetermined point said contactor opens when the current in the load circuit is at or near the zero point of its cycle.

2,201,596
REFRIGERATING APPARATUS
Wilford H. Teeter, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 25, 1939, Serial No. 258,480
13 Claims. (Cl. 62—89)



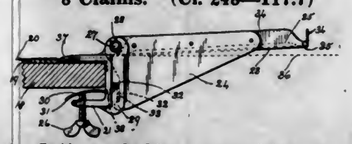
1. A refrigerating apparatus comprising in combination, a cabinet having a bottom wall, a plurality of side walls, a top member and a sub-top wall structure, a metallic member forming a compartment within said cabinet, said cabinet top member and said cabinet sub-top wall structure having registering apertures therein providing an access opening to said compartment, said metallic member being rigidly connected to said cabinet sub-top wall structure in spaced relation to said cabinet top member, a refrigerating system associated with said cabinet and including a refrigerant evaporating element extending over and being directly secured to said compartment forming member, said cabinet top member being detachable from said cabinet, and said cabinet sub-top wall structure being detachable from other walls of said cabinet and movable upwardly thereof whereby said rigid connection of said compartment forming member therewith causes removal of said compartment forming member and said refrigerant evaporating element of said refrigerating system along with said sub-top wall structure as a unit from said cabinet.

2,201,597
TRAVERSE MECHANISM
William B. Thomas, Greensboro, N. C., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application November 15, 1938, Serial No. 240,554
16 Claims. (Cl. 242—27)



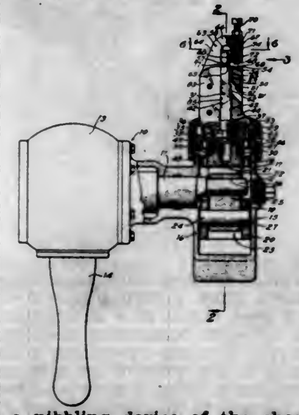
1. In a winding machine, the combination of a winding spindle, a thread guide reciprocable longitudinally of the winding spindle, a screw-threaded shaft extending parallel with the axis of the winding spindle, means for reciprocating said shaft, means connecting the thread guide with the threads on said shaft, ratchet means for rotating the shaft, and means for actuating the ratchet means at each reciprocation of the shaft.

2,201,598
FLATIRON STAND
Agnes J. Towler, Cleveland, Ohio
Application July 11, 1938, Serial No. 218,487
8 Claims. (Cl. 248—117.7)



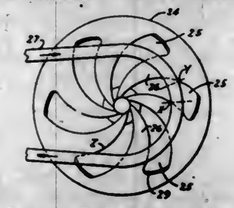
4. A flatiron holder comprising a pair of clamping members including opposed jaws, a screw clamp mounted in each of the jaws of said clamping members, spring pressure plates pivotally connected to said clamping members intermediate the jaws thereof, adapted to be actuated by said screw clamps, a spacing bar connecting said clamping members together, and a supporting shelf pivotally connected at one end to said clamping members.

2,201,599
NIBBLER
Herbert L. Trautmann, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application May 10, 1938, Serial No. 207,047
9 Claims. (Cl. 164—50)



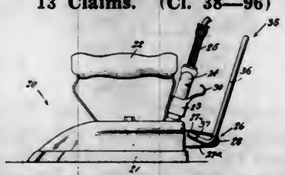
1. In a nibbling device of the character described, the combination of: a head having an opening leading inwardly from its outer end face, one side portion of said opening cooperating with a portion of the outer end face of said head to form a fixed cutting edge; a movable cutter member disposed in said opening, said cutter member having an end which projects from said opening and has a cutting edge to cooperate with said fixed cutting edge; a stripper for preventing displacement of the material being cut comprising a goose-neck extending from the outer end of said head adjacent the rear face of said end, then bending forwardly beyond the extremity of said end and turning inwardly across the front face of said end and stopping in spaced relation to said end face of said head so as to leave a mouth leading to said fixed cutting edge, said goose-neck being shaped to pass transversely through a slot formed by the nibbling device; and means carried by said head in a position inward of said outer end face thereof operative to reciprocate said cutter member in said opening so as to produce a shearing movement of said cutting edge relative to said fixed cutting edge.

2,201,600
TRANSMISSION DEVICE
Foster V. Waltz, Toledo, Ohio
Application July 20, 1939, Serial No. 285,508
8 Claims. (Cl. 74—230.17)



3. In a device of the class described, in combination, a composite pulley comprising a plurality of pulley members having conical faces provided with spoke-like sectors and openings between said sectors, the sectors of each of said pulley members meshing with the sectors of another of said pulley members, the sides of said openings being non-radial, and the outer ends of said openings being non-normal to the pulley radii.

2,201,601
SADIRON SUPPORT
Benjamin C. Webster, Jr., Fairfield, Conn.
Application October 27, 1938, Serial No. 237,198
13 Claims. (Cl. 38—96)



3. In combination with a sadiron having a supporting means at one end for supporting the iron in upended position, of an auxiliary supporting means having a breadth greater than the width of the sadiron and support and of substantial height; means for pivotally mounting the auxiliary support to the sadiron so as to extend across the end thereof upon which it is to be supported and provide spaced bearings laterally of the sadiron to hold the supported iron against lateral movement, said pivotal mounting including means for limiting the pivotal movement of the auxiliary supporting means relative to the sadiron in one direction and permitting the auxiliary supporting means to assume a position on the sadiron in which it does not interfere with the ironing operation while in use; and means for limiting the movement of the auxiliary support in the other direction to a point where the bearings reach supporting engagement upon lateral tipping movement of the sadiron on the supporting means at the end thereof.

2,201,602
MERCURY SWITCH
Chester N. Wiles, Portland, Oreg.
Application March 27, 1939, Serial No. 264,366
7 Claims. (Cl. 200—152)

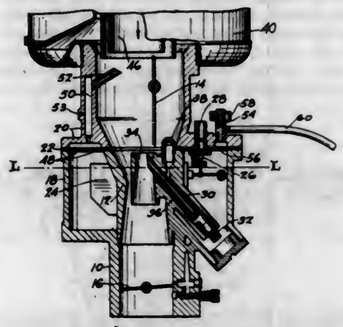
6. A mercury switch comprising a tubular container member that is revoluble through a part

revolution, a divisional wall member longitudinally of said container that divides it into two chambers save for an aperture in said wall member intermediate its ends, a pair of side-by-side electrodes in one of the said chambers that are



adjacent but not electrically in contact, and a globule of mercury that is adapted to join the electrodes electrically when the chamber containing them is lowermost and to fall through the apertured wall into the other chamber when the container is turned part of a revolution.

2,201,603
CARBURETOR
Emil O. Wirth, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application May 1, 1937, Serial No. 140,075
8 Claims. (Cl. 261—72)



1. A carburetor comprising an induction passage, a choke valve in the inlet end of the induction passage, a fuel chamber, a fuel nozzle connected to said fuel chamber and discharging into the induction passage posterior to the choke valve, tubes projecting into the induction passage anterior to the choke valve when said valve is in a closed position and opening in opposite directions relative to the direction of air flow, and means connecting said tubes with opposite sides of said fuel chamber.

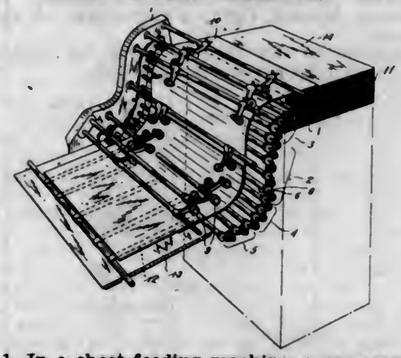
3. In a plain tube carburetor comprising a downdraft induction passage adapted to receive an air cleaner at the entrance thereof, a choke valve in the induction passage, a constant level fuel chamber supplying fuel to the induction passage posterior to said valve, a conduit leading from the fuel chamber above the fuel level thereof and opening into the induction passage anterior to the choke valve when said valve is in a closed position, a vent tube having an atmospheric inlet and having an outlet in the fuel chamber above the fuel level thereof and at a point substantially spaced from the inlet to said conduit, said conduit including a tube projecting into the induction passage and opening upwardly toward the induction passage inlet to thereby be subjected to but a moderate depression during periods of operation for creating a draft of air across the surface of the fuel in the fuel chamber, and a baffle disposed above the fuel level of said fuel chamber to prevent liquid fuel from entering the conduit and tube.

2,201,604
SHEET FEEDER
Headley Townsend Backhouse, London, England
Application June 7, 1938, Serial No. 212,284
In Great Britain August 26, 1937
9 Claims. (Cl. 271—13)



1. In a sheet feeder, means for forwarding sheets in stream formation, each sheet overlapping the preceding sheet, a forwardly moving conveyor adapted to receive the foremost sheet of the stream as it leaves said forwarding means, and means for shifting said conveyor sidewise to side register the sheet.

2,201,605
SHEET CONVEYER
Headley Townsend Backhouse, London, England
Application January 8, 1940, Serial No. 312,913
In Great Britain January 3, 1939
5 Claims. (Cl. 271—51)

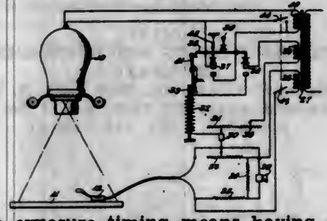


1. In a sheet feeding machine, a conveyer for taking sheets from a high pile and conveying them to a feed board at a substantially lower level, said conveyer comprising sheet supporting and conveying elements presenting a sheet path substantially in the form of an ogee curve, one end of said curve being convex and being substantially tangent to the upper surface of the pile and the other end of the curve being concave and being substantially tangent to the feed board, the intermediate portion of the curve being approximately vertical, and means for holding the sheets against said supporting and conveying elements.

2,201,606
AUTOMATIC EXPOSURE CONTROL
Joseph M. Bing, New York, N. Y.
Application March 6, 1939, Serial No. 260,082
5 Claims. (Cl. 88—23)

1. The combination with a photographic printer comprising an electric light source, a negative and a printing paper holder, of a photoelectric cell capable of producing an electric current in proportion to the intensity of light striking the same, said cell being arranged to be affected by light

passing said negative, a balancing impedance having an adjustable member arranged to compensate the effect of the current produced by said cell, audible signaling means adapted to be controlled by the current produced by said cell for acoustically ascertaining the balancing condition,

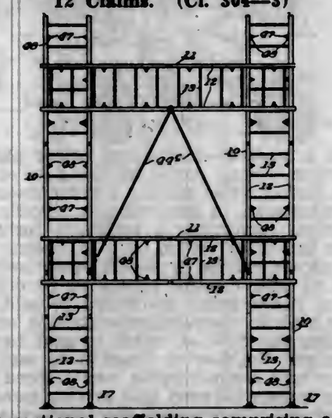


electric exposure timing means having an adjustable timing resistance for controlling the connection and disconnection of said light source to affect an exposure of said printing paper, and an operative connection between the adjustable members of said balancing resistance and said exposure t ming resistance.

2,201,607
LUBRICANT PREPARATION
Robert E. Burk, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 3, 1937, Serial No. 177,896
9 Claims. (Cl. 87—9)

1. A process of preparing lubricants, which comprises subjecting a mercaptan-containing hydrocarbon to the action of a solution consisting of water and 2 to 20 per cent caustic soda, treating the caustic soda solution with sulphur, extracting the caustic soda solution with a hydrocarbon solvent for the sulphur compounds, distilling off solvent from the extract, incorporating the sulphur-containing bottoms with a lubricating stock to a sulphur-content of 1–4 per cent, and incorporating an oil-soluble lead naphthenate to a lead content of 4–8 per cent calculated as PbO.

2,201,608
SCAFFOLDING
George W. Causey, Pittsburgh, Pa.
Application February 9, 1938, Serial No. 189,577
12 Claims. (Cl. 304—3)



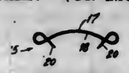
1. A sectional scaffolding comprising a plurality of vertically disposed ladders in parallel spaced relation, a plurality of horizontally disposed ladders set vertically on edge and spaced apart vertically spanning the space between the vertical ladders, and clamps detachably securing the longitudinal members of the horizontal ladders to the longitudinal members of the vertical ladders to brace the vertical ladders against swaying.

2,201,609
SIRUP AND METHOD OF MAKING THE SAME
Julian K. Dale, Terre Haute, Ind., and David P. Langlois, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application August 9, 1938, Serial No. 223,826
9 Claims. (Cl. 127—30)

8. The process which comprises subjecting an aqueous starch suspension to acid conversion to produce a liquor having a dextrose equivalent analysis between 25 per cent and 55 per cent, and subjecting said liquor to the action of a saccharifying fungus enzyme to the extent necessary to produce a sirup having a dextrose equivalent content of 55 to 75 per cent, a fermentable extract content of more than 55 per cent, a maltose content of between substantially 20 per cent and 27 per cent, and a ratio between fermentable extract content and dextrose equivalent content of not more than 1.1.

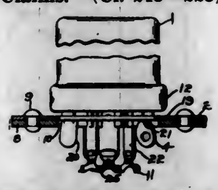
9. A starch conversion product of the type described, comprising a non-crystallizing sirup having a dextrose equivalent analysis of between 55 and 75 per cent, a dextrose content of more than 20 per cent, a maltose content of between 20 and 27 per cent, a fermentable extract content of more than 55 per cent, and a ratio of fermentable extract content to dextrose equivalent content not exceeding 1.1.

2,201,610
WOUND CLIP
James C. Dawson, Jr., Kirkwood, Mo.
Application May 20, 1938, Serial No. 208,966
6 Claims. (Cl. 128—337)



1. A wound clip comprising a body having openings therein, and means for piercing the skin formed integral with the body, said means extending through the openings of the body.

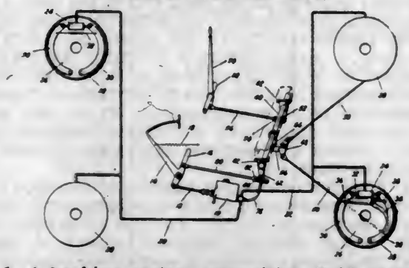
2,201,611
FASTENER ATTACHING MEMBER AND FASTENER INSTALLATION
Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application May 3, 1939, Serial No. 271,618
3 Claims. (Cl. 248—223)



3. In combination, a support, a part to be secured to said support and attaching means for securing said part to said support, said attaching

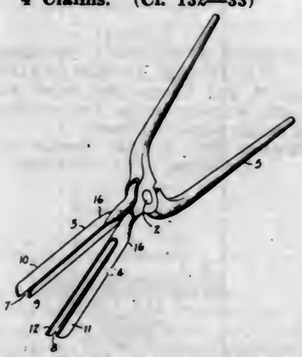
means including a projecting portion extending beyond outermost margins of an end of said part, said projecting portion passing through an opening in said support and having an integral bendable lug-shaped support-engaging element adjacent one edge and normally in the plane of said projection, said element having a free end portion facing said end of said part and spaced therefrom, and said projection being twisted on the opposite side of said support from said part to dispose said support-engaging element behind said support whereby the said element may adjust itself to the thickness of said support by bending relative to the rest of said projection.

2,201,612
BRAKE
William E. Fields, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application October 30, 1936, Serial No. 108,346
8 Claims. (Cl. 188—106)



1. A braking system comprising fluid pressure producing means, fluid pressure actuated means connected thereto; braking elements actuated thereby, mechanical means for actuating the braking elements, independent operating means for the pressure producing means and mechanical means, and means dependent upon the fluid pressure of said fluid pressure producing means and effective for instantaneously coupling the mechanical means to the operating means of the pressure producing means upon failure of the pressure producing means, said coupling means being effective without release of the brakes if said failure takes place while the brakes are applied.

2,201,613
HAIR CURLING DEVICE
Sol Fisher, Cleveland Heights, Ohio
Application March 17, 1939, Serial No. 262,466
4 Claims. (Cl. 132—33)



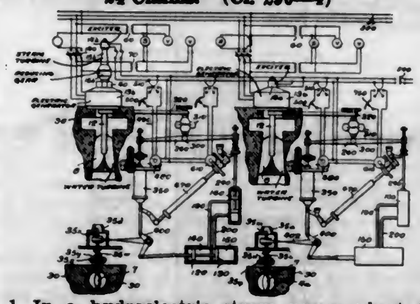
1. A hair curling device comprising two blade members pivoted to swing toward and away from each other, each having a comb receiving slot running longitudinally from its unattached end and disposed centrally thereof, said slots registering when said blades are in clamping position, said blades being curved transversely and disposed with the convex surface of one facing the convex surface of the other.

2,201,614
SOUND RECORDING AND REPRODUCING APPARATUS
Harry C. Grant, Jr., New York, N. Y.
Application January 16, 1939, Serial No. 251,085
3 Claims. (Cl. 179—100.4)



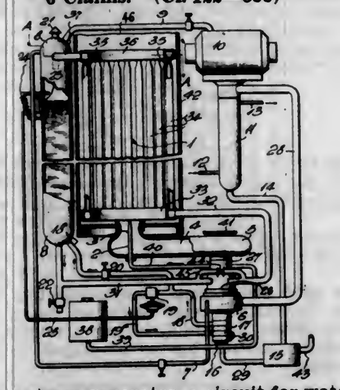
1. In a sound recording and reproducing apparatus the combination with sound recording and sound reproducing circuits of means for reproducing a portion of the sound record at a predetermined time interval after the recording thereof, listening means in the recording circuit to enable a supervising operator to listen to the sounds being recorded, and means in the reproducing circuit to enable the supervising operator to open the same to cut-off the reproduction of objectionable sounds detected by the listening means before such objectionable sounds have been reproduced.

2,201,615
HYDROELECTRIC STEAM POWER GENERATING STATION INCLUDING PLURAL PRIME MOVERS AND METHOD OF OPERATING SAID STATION AND SAID PRIME MOVERS
Walter Douglas La Mont, New York, N. Y., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Application August 5, 1933, Serial No. 683,873
Renewed November 11, 1937
24 Claims. (Cl. 290—4)



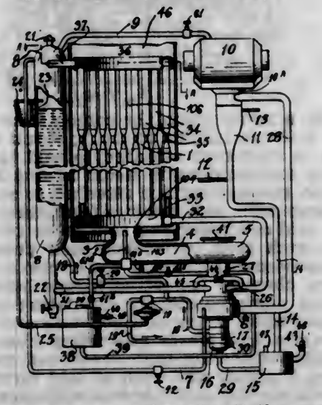
1. In a hydroelectric steam power plant for generating electric power by the flow of water from a higher water level to a lower water level, the combination, in apparatus for electric power generation, comprising a hydraulic turbine, an electric generator driven by said turbine and a prime mover driven by steam operatively connected to said electric generator to drive the same, a steam boiler connected to said steam turbine and an electrically controlled governor governing the flow of water to said hydraulic turbine and the flow of steam from said steam boiler to said steam turbine, and a speed reducing mechanism between said driving means and said hydraulic turbine said speed reducing mechanism firmly attached to said turbine.

2,201,616
HIGH SPEED STEAM GENERATORS, ESPECIALLY SUPERCHARGED STEAM GENERATORS BURNING FLUID FUELS
Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Application August 22, 1933, Serial No. 686,268
6 Claims. (Cl. 122—333)



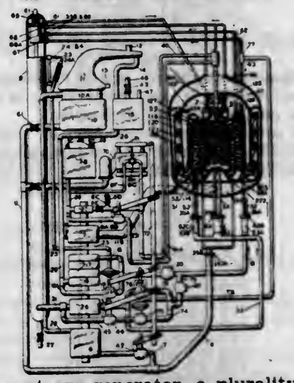
1. In a steam generator, a circuit for water and steam generated therefrom comprising a vessel in which a water level is maintained, positive water circulating means connected in circuit with said vessel, a steam generating tube connected in circuit with said positive circulating means and to said vessel in a space therein unoccupied by water, said positive circulating means circulating water from said vessel through said steam generating tube independently of the feed input thereto, and fluid flow controlling means at the outlet of said steam generating tube to control the flow of water and steam within said tube, said steam generating tube receiving water in quantity greater than is evaporated.

2,201,617
STEAM GENERATING APPARATUS
Walter Douglas La Mont, New York, N. Y., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Application October 5, 1933, Serial No. 692,236
Renewed December 29, 1939
26 Claims. (Cl. 122—235)



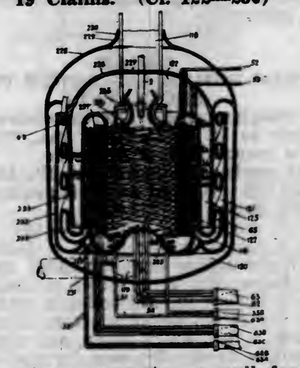
4. In a steam generating circuit the combination including a vessel in which a water level is maintained, positive water circulating means operatively connected to said vessel, water wall tubes operatively connected to said positive circulating means and to said vessel, said positive circulating means circulating water from said vessel in said water wall tubes, and fluid flow altering means in an intermediate position in said water wall tubes to control the flow of water and steam in said water wall tubes, said water wall tubes receiving water in quantity greater than is evaporated.

2,201,618
STEAM GENERATOR
Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Application November 13, 1933, Serial No. 697,788
22 Claims. (Cl. 122—250)



22. In a steam generator, a plurality of tubes adapted to conduct a fluid, means for imposing a forced circulation of water through said tubes, a plurality of pressure drop devices in each tube adapted to control the passage of the fluids therethrough, a water level chamber connected with said tubes, and means near the junction of the discharge ends of said tubes with said chamber above the water level therein for separating the generated steam from the water collected in said chamber for recirculation through said tubes.

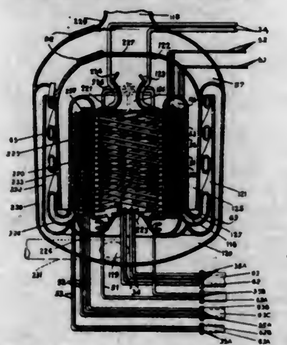
2,201,619
STEAM GENERATOR
Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Application November 23, 1933, Serial No. 699,334
19 Claims. (Cl. 122—250)



1. In a steam generator, a wall forming an

open ended combustion chamber, a burner at one end thereof and an end wall at the other end thereof spaced from the open end of said combustion chamber, a lateral wall outside of the wall of said combustion chamber arranged to define a passage on the outside of said combustion chamber, a lateral wall outside of said first lateral wall and arranged to define a second passage on the outside of said first passage, a rounded end wall bridging the two passages and spaced from said first lateral wall for guiding smoothly the combustion gases passing from said first passage to said second passage, and spirally coiled tubes conducting fluid media disposed in said combustion chamber and passages for extracting the heat from the combustion gases in the course of the passage thereof therethrough.

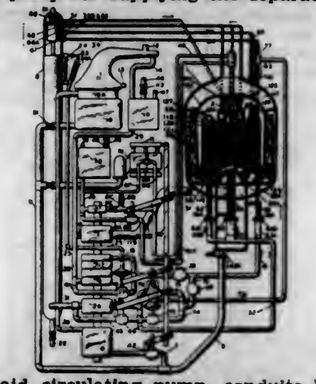
2,201,620
HIGH SPEED STEAM PRODUCING APPARATUS
Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Original application November 13, 1933, Serial No. 697,788. Divided and this application July 9, 1934, Serial No. 734,347
16 Claims. (Cl. 122—250)



1. In a steam generator, a wall defining a combustion chamber, a spirally coiled steam generating tube forming a water wall within said combustion chamber on the inside of said combustion chamber wall, and a plurality of steam superheater tubes forming a superheated steam conducting wall between the combustion chamber wall and said water wall, said steam superheater tubes entering and leaving said combustion chamber at substantially equidistantly displaced points.

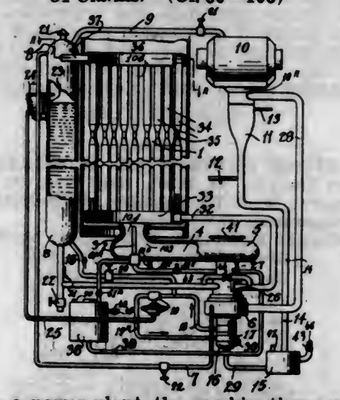
2,201,621
STEAM BOILER AND POWER PLANT REGULATION
Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Original application November 13, 1933, Serial No. 697,788. Divided and this application July 3, 1934, Serial No. 733,629
9 Claims. (Cl. 122—448)

2. In a steam power plant, a boiler of the forced recirculation type including steam generating tubes and feed water preheater tubes therein, a burner in said boiler, a turbine operated by the steam delivered from said boiler, a fuel pump, a feed water pump, and a circulating water pump driven by said turbine, said fuel pump connected to said burner, said feed water pump connected to said preheater tubes to pump feed water into said preheater tubes, a steam and water separator connected to said boiler and circulating pump for supplying the separated wa-



ter to said circulating pump, conduits bridged across the output and input of each of said pumps, valves in said bridging conduits, and a combustion control device arranged to control said valves.

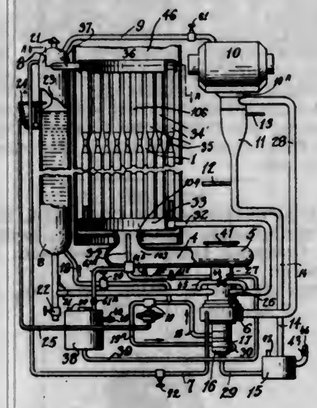
2,201,622
POWER APPARATUS
Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Original application October 5, 1933, Serial No. 692,236. Divided and this application December 25, 1934, Serial No. 759,129
31 Claims. (Cl. 60—105)



1. In a power plant, the combination comprising a boiler, a turbine receiving steam from said boiler, a condenser attached to said turbine receiving and condensing steam issuing from said turbine, another turbine attached to and receiving steam from said boiler, a feed pump connected to said condenser and said boiler serving said boiler with feed water, said feed pump driven by said second turbine, a water and steam separating chamber connected to said boiler, a circulating pump constantly circulating and recirculating water from said boiler to and through said water and steam separating chamber and conduits connecting said steam and water separating chamber and both of said turbines, said conduits serving said turbines with steam.

20. A steam generator comprising a substantially cylindrical open-ended combustion chamber, a burner at one end thereof and an end wall at the other end thereof displaced from the open end of said combustion chamber, a lateral wall outside of the wall of said combustion chamber, said lateral and combustion chamber wall arranged to define a tapered annular passage on the outside of said combustion chamber, coiled tubes in said combustion chamber, and spirally coiled tubes in said annular passage arranged to form helical gas passages adapted to be traversed by the combustion gases passing through said combustion chamber towards the wide portion of said annular passage and thence towards the narrow portion thereof.

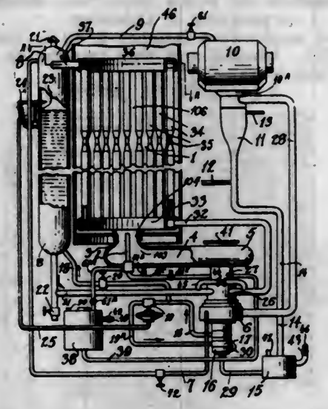
2,201,623
PROCESS FOR PRODUCING STEAM
Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Original application October 5, 1933, Serial No. 692,236. Divided and this application December 25, 1934, Serial No. 759,130
6 Claims. (Cl. 122—235)



1. The method of generating a vapor of high energy content which comprises circulating a liquid in a plurality of fluid paths in heat exchanging relation to a source of heat to produce a vapor under pressure, restricting the flow of fluid in each of said fluid paths at a portion intermediate the ends thereof, combining the outputs of liquid and vapor from the several fluid paths in a space free from a liquid head, and separating the vapor for utilization for purposes of energy conversion from the liquid.

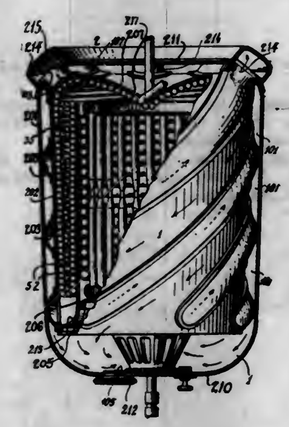
2,201,624
STEAM PRODUCING PROCESS
Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Original application October 5, 1933, Serial No. 692,236. Divided and this application December 25, 1934, Serial No. 759,131
13 Claims. (Cl. 122—235)

2. The method of steam generation which comprises mixing air and fuel, burning said mixture in a combustion zone, continuously circulating a liquid working fluid in heat-exchanging relation to said burning mixture to produce a mixture of liquid and vaporous working fluids, subjecting said mixture continuously at an intermediate point of flow thereof to a drop in pressure, and separating the liquid working fluid from the va-



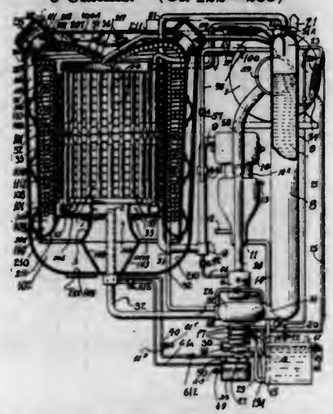
porous working fluid for recirculation in the liquid working fluid circuit.

2,201,625
FLUID HEATING PROCESS AS APPLIED TO VAPOR GENERATION
Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Original application October 5, 1933, Serial No. 692,236. Divided and this application August 26, 1935, Serial No. 37,972
3 Claims. (Cl. 122—250)



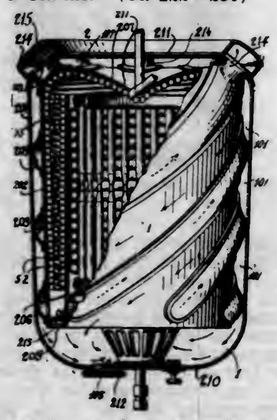
1. A method of steam generation which comprises whirling combustion gases serially through steam generating and air pre-heating zones, and whirling air in countercurrent and heat exchanging relationship to the combustion gases passing through the air preheating zone prior to the transformation of said whirling air into combustion gases traveling in the same direction, said combustion gases being whirled through a passage of decreasing volume while said air is whirled through a passage of increasing volume in their respective directions of travel.

2,201,626
STEAM GENERATING APPARATUS
Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Original application October 5, 1933, Serial No. 692,236. Divided and this application August 26, 1935, Serial No. 37,973
5 Claims. (Cl. 122—235)



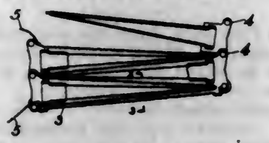
1. In a steam boiler, a wall forming a combustion chamber, a water wall in said combustion chamber, a burner at one end of said combustion chamber, an outer casing around said combustion chamber enclosing an air space communicating with said burner, walls constructed and arranged to form a tangential air inlet passage in said casing for introducing air to said burner in a whirling direction and a tangential outlet passage for the gases passing from said combustion chamber.

2,201,627
COMBUSTION PROCESS AS APPLIED TO VAPOR GENERATION
Walter Douglas La Mont, North Colebrook, Conn., assignor to W. D. La Mont Inc., Wilmington, Del., a corporation of Delaware
Original application October 5, 1933, Serial No. 692,236. Divided and this application August 26, 1935, Serial No. 37,974
9 Claims. (Cl. 122—250)



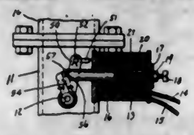
1. A process for producing combustion which comprises heating air while passing it around a combustion zone in a whirling manner, directing said heated air spirally into the combustion zone while mixing fuel therewith, deoxidizing said air in the combustion zone while it is whirling and maintaining the velocity of said air being heated substantially constant, by guiding it through a passage of expanding volume.

2,201,628
RENEWABLE TYPE FILTER
Gordon R. McCormick and Rollo G. Russell, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 16, 1938, Serial No. 240,648
2 Claims. (Cl. 210—181)



1. A filter unit comprising a plurality of hinged interlocking leaves and a filter medium of greater width than the leaves folded over each leaf; a tightly fitting cover over the edges from which the filtering medium protrudes; a gasket about the periphery of the outlet end of the filter; a fluid tight housing completely enclosing the filter unit provided with an inlet and an outlet and means to hold the unit tightly against the outlet side whereby the fluid to be filtered may enter the unit from three sides but is excluded from the outlet side.

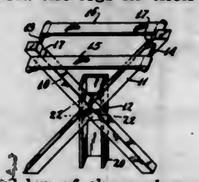
2,201,629
VEHICLE SPEED ENGINE CONTROL DEVICE
Neel M. McCullough, Anderson, Ind., assignor to Pierce Governor Company, Anderson, Ind., a corporation
Application August 7, 1939, Serial No. 288,732
9 Claims. (Cl. 180—82.1)



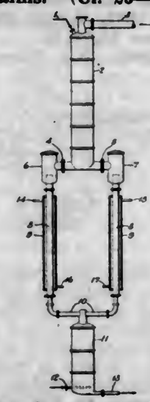
1. In a device of the character described, the combination of a fuel supply throttle control member, a supporting shaft therefor, a manually operable lever rotatably supported thereby, a speed responsive lever also rotatably supported by the shaft, means carried by and rigid with the shaft and juxtapositioned relative to both levers and normally constrained to wide open throttle position, and a flexible connection between the second mentioned lever and the last mentioned means, the manually operable lever being capable of shaft movement by means of engagement with said last mentioned means and throughout the range of fuel control when the second mentioned lever is not responsive to speed control and said means is normally constrained, said manually operable lever being operable through a restricted and lesser range when the second mentioned lever is responsive to speed control and said means is positioned in opposition to its constraint.

2,201,630
STICK CHAIR
Paul F. Murtha, Flushing, N. Y.
Application January 18, 1939, Serial No. 251,483
4 Claims. (Cl. 155—150)

1. A stick chair, comprising a pair of sticks adjacent each other and pivotally connected intermediate of their ends so that the portions below said pivot form legs for the chair in an unfolded position thereof, pins mounted on the upper ends of said sticks transversely thereof, flexible strips mounted on said pins to form the seat for said chair and to hold the legs in their unfolded position, a vertical leg of channel material extending from the vicinity of said pivot downwards to the plane of the lower end of said legs when unfolded, a member mounted on the pintle of said sticks and slidably mounted on the arms of said channel to move from the edge portions of the latter to the base portion.



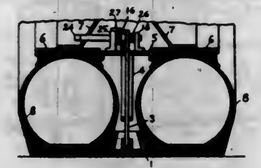
2,201,631
NITRIC ACID CONCENTRATION
Ralph F. Peterson, Woodbury, N. J., and Philip G. Wrightsman, Chester, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 14, 1938, Serial No. 207,896
2 Claims. (Cl. 23—160)



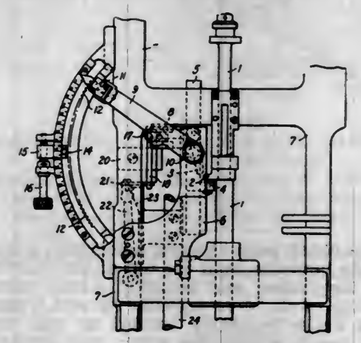
2. The process of concentrating nitric acid, which comprises passing a mixture of nitric acid and a dehydrating agent down through a dehydrating tower of acid-resistant material, driving off nitric acid vapors therefrom, distributing the residual liquid admixture in a substantially constant flow in the form of a thin layer down and over the inner surfaces of a plurality of heated vertical tubes, supplying heat to each of said tubes by individual heating means, permitting the parallel flow of said liquid simultaneously down through the various tubes, driving off vapors from said liquid in said tubes and conveying said vapors from said tubes back to said dehydrating tower, permitting the same to ascend through said tower.

2,201,632
ANTISKIDDING DEVICE FOR AUTOMOBILES
Louis Otto E. Roessel, Chappaqua, N. Y., assignor of forty per cent to Elmon C. Gillette, New York, N. Y.
Application September 15, 1937, Serial No. 163,884
14 Claims. (Cl. 152—216)

1. An antiskidding device for automobiles comprising a plurality of antiskidding shoes, means to support the shoes at the side of a tire of a wheel of an automobile, the shoes having tapering sides engaging the sides of the tire near its periphery and being thereby adapted to be yieldably pushed outward, the shoes being adapted to move inwardly when the tire is depressed, and a rigid means to limit the outward movement of the shoes.



2,201,633
TYPOGRAPHICAL SLUG CASTING MACHINE
Richard Henry Scott, Enfield, and William Fairall Gorse and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a British company
Application April 19, 1939, Serial No. 268,660
In Great Britain April 21, 1938
6 Claims. (Cl. 199—50)

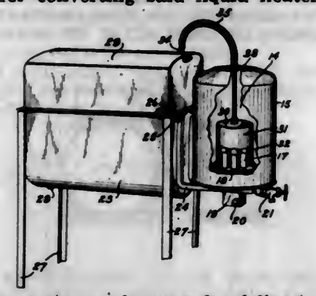


1. In a typographical slug casting machine, the combination with a pair of line-clamping jaws and a periodically operated device connectible to at least one of said jaws and operable to effect inward movement of the connected jaw, of an abutment on said device, a slide adjustable relatively to said device, a stop on said slide located in the path of the said abutment, a second stop carried by said slide, and means operable to bring said second stop into engagement with said abutment to prevent separation of the jaws before and during casting.

2,201,634
DAIRY EQUIPMENT
Englebert Shurts, Waukesha, Wis., assignor to Strauss Electric Appliance Company, Waukesha, Wis., a corporation of Wisconsin
Application June 29, 1937, Serial No. 150,986
11 Claims. (Cl. 141—7)

5. In combination, a liquid basin, a liquid heater tiltably suspended from a wall of said basin, said heater being tiltable to deliver heated liquid

to said basin, an enclosing cover for said basin, means for converting said liquid heater into a



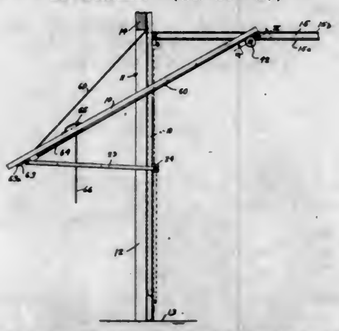
steam generator, and means for delivering steam from said heater to said basin.

2,201,635

UPWARD ACTING DOOR WITH CABLE ACTUATING MECHANISM

Henry J. Siess and Joseph E. Casse, Detroit, Mich., assignors to Crawford Door Company, Detroit, Mich., a corporation of Michigan

Application June 23, 1938, Serial No. 215,393
15 Claims. (Cl. 20—19)



1. In a construction having a doorway, a track extending laterally from the top of the doorway, a door for closing said doorway, means carried by the top of the door movable in said track, a winding device rotatably carried by said door, flexible means windable around said device, a pulley rotatably carried by said door near the bottom thereof, said flexible means trained around said pulley and anchored at the top of said doorway, and means for rotating said winding device.

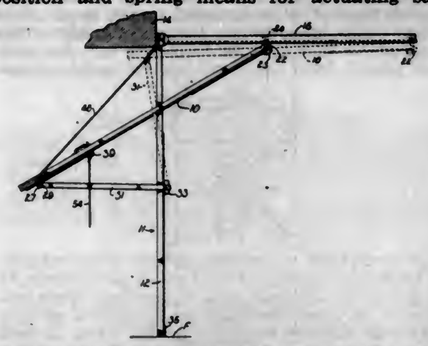
2,201,636

CABLE ACTUATED UPWARD ACTING DOOR

Henry J. Siess and Joseph E. Casse, Detroit, Mich., assignors to Crawford Door Company, Detroit, Mich., a corporation of Michigan

Application September 30, 1938, Serial No. 232,525
14 Claims. (Cl. 20—19)

1. An upward acting door construction for a doorway comprising a door adapted to close said doorway, said door having a vertical groove in the outer face thereof, a winding device rotatably mounted above said doorway, a flexible connecting member secured on said winding device at one end and secured to the bottom portion of the door at the other end, said flexible connecting member extending along the outer face of the door in said vertical groove when the door is in closed position and adapted to be wound around the winding device as the door is opened, means for guiding said door from a vertical closed position to a horizontal overhead position and spring means for actuating said



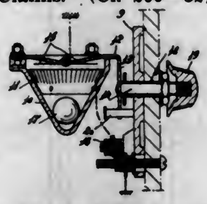
winding device to counterbalance the door, said spring means resisting reverse rotation of the winding device to check movement of the closure beyond a desired open position.

2,201,637

GRAVITY SWITCH

Georges Soulat, La Guerche-sur-l'Aubois, France

Original application December 8, 1936, Serial No. 114,822. Divided and this application December 24, 1937, Serial No. 181,689. In France December 20, 1935
2 Claims. (Cl. 200—52)



1. A gravity switch for controlling an electric circuit, which comprises, in combination, a support adapted to be fixed to the structure to be fitted with said switch, a funnel shaped member pivoted to said support about a horizontal axis at right angles to the axis of said member, a lid for said funnel-shaped member rigid therewith, a metal ring carried by the intermediate part of said funnel-shaped member on the inner face thereof, said lid being of slightly conical shape, with its apex on the inside of said funnel-shaped member, a plurality of radial metal blades carried by said apex, said blades on the one hand and said ring on the other hand being normally electrically insulated, a metallic ball movable in said funnel shaped member adapted electrically to connect said ring with said blades when said funnel-shaped member is inclined about said axis, and means for manually pivoting said funnel-shaped member about said axis so as to bring it into said inclined position.

2,201,638

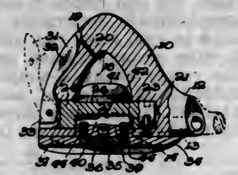
GOLF CLUB

Albert K. Theibault, Sr., Lakewood, N. J.

Application December 7, 1938, Serial No. 244,451
8 Claims. (Cl. 273—77)

1. A golf club head including a body, a removable face plate carried thereby, a retaining shaft on the body locking said plate in position and rotatable to release said plate, and a pivoted

lever carried by the shaft and movable to one position operable for rotating the shaft and to



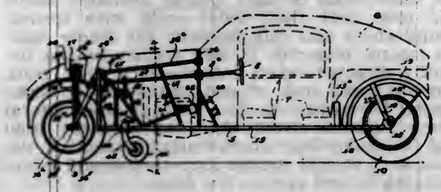
another position coacting with the body for locking the shaft stationary.

2,201,639

TWO WHEELED MOTOR VEHICLE

James G. Tingle, Miami, Fla.

Application February 7, 1939, Serial No. 255,145
2 Claims. (Cl. 180—33)



1. The combination with an elongated main frame for a two-wheeled, tandem type vehicle, of a pair of rear fork members pivotally connected thereto, a pair of enlarged plates, to which the rear ends of the rear fork members are rigidly connected, a yoke of inverted U-shape, having the lower ends of its legs rigidly connected to said plates and extending over the top of said rear wheel, a two-part tubular shaft, a solid shaft traversing said tubular shaft, means for binding the plate of one of the fork members upon one of the sections of the tubular shaft, means for binding the other of said enlarged plates upon the solid shaft, a ring gear mounted to turn upon one of the sections of the tubular shaft, a rear driving wheel mounted to turn upon the other section of the tubular shaft, a pinion meshing with the ring gear, a short shaft section by which the pinion is carried, bearings for holding said short shaft section in proper alignment and in operative relation to the ring gear, an obliquely disposed driving shaft, and universal joint connections between the ends of said driving shaft and the engine upon the one hand, and between said short shaft section and the engine upon the other hand.

2,201,640

PROGRESSIVE BURNING SMOKELESS POWDER

Lewis C. Weldin, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation

No Drawing. Application December 14, 1937, Serial No. 179,764
5 Claims. (Cl. 52—5)

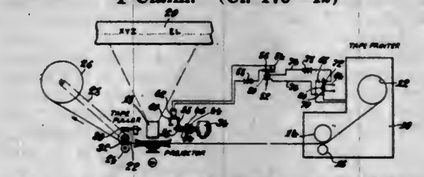
1. A progressive-burning propellent smokeless powder charge comprising preformed smokeless powder grains mechanically and loosely admixed with particles, separate from those of the powder grains, of a deterrent selected from the group of carbonaceous materials consisting of starch, organic esters and ethers thereof, cellulose, organic esters and ethers thereof, gelatin and coal dust.

2,201,641

PRINTING TELEGRAPH APPARATUS

Samuel S. Auchincloss, Darien, Conn., assignor to New York Quotation Company, New York, N. Y., a corporation of New York

Application January 25, 1938, Serial No. 186,779
1 Claim. (Cl. 178—42)



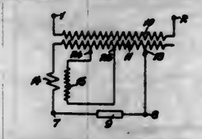
In a projection device for a printing telegraph apparatus having a signal-actuated relay for controlling a motor in said apparatus, said relay having an armature and a normally unused contact that engage in response to cessation of the signal impulses, the combination of a tape-pulling means, a continuously running motor for driving the tape-pulling means, a normally engaged clutch connecting the motor to the tape-pulling means, electromagnetic means for disengaging the clutch, a second relay having normally open contacts electrically connected to a source of electrical energy and said electromagnetic means, means electrically connecting said contact and said armature of said signal-actuated relay and said second relay, whereby upon cessation of signal impulses the contacts of said second relay are closed and the electromagnetic means is energized to disengage said clutch, and electrical means associated with said second relay for delaying closing of the contacts and delaying energization of said electromagnetic means over intervals of predetermined duration.

2,201,642

INDUCTIVE REGULATOR FOR COARSE AND FINE REGULATION

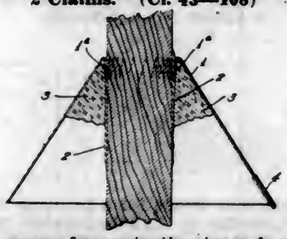
Rudolf Bauer, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application November 11, 1937, Serial No. 174,072
In Germany December 18, 1936
3 Claims. (Cl. 171—119)



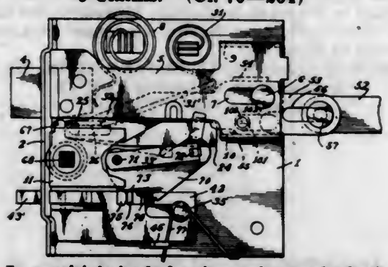
1. An arrangement for supplying from an alternating current source to a consumer a voltage widely variable in fine steps, including a main variable voltage transformer connected to the current source and having an output winding provided with a fixed end terminal and a stepwise variable terminal so as to derive variable output voltages from said winding in a given number of n steps, said consumer being connected to said fixed and to said variable terminal, an auxiliary transformer having one terminal of its high voltage primary winding fixedly connected to the mid-point of said main transformer output winding and its other terminal variably connected to said output winding, said auxiliary transformer having its low voltage secondary winding connected in circuit with said consumer, the transformation ratio m of said auxiliary transformer being not greater than the step number n of said main transformer.

2,201,643
MEANS FOR PROTECTING TREES FROM INSECTS
George W. Casteel, Lemon Grove, Calif.
Application June 22, 1937, Serial No. 149,636
2 Claims. (Cl. 43—108)



1. In a means for protecting trees from insects, a frusto-conical hood member overlapped to provide for expansion provided with a plurality of points turned downwardly at the center and extending around the trunk of a tree in spaced relation from the ground, a bunch of hair felt positioned around the trunk of the tree with its lower side some distance from the lower side of said hood member, and extending to the juncture between the main portion and the downwardly extended pointed portion of said frusto-conical hood member, and an insect protective adhesive and resilient compound positioned between the trunk of the tree and said downwardly extended pointed portion of said front of said frusto-conical hood member and said hair felt and in which the downwardly extended points and said hair felt are partially embedded adapted to yieldably hold said hood in position on said tree trunk.

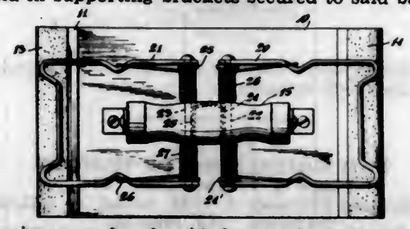
2,201,644
LOCK STRUCTURE FOR AUTOMOBILE DOORS
Edward D. Dall, Waukegan, Ill., assignor to Walter F. Wright, Cleveland, Ohio
Application September 5, 1936, Serial No. 99,544
6 Claims. (Cl. 70—264)



1. In a vehicle body having a door, a lock structure for holding the door closed, an outside handle on the door cooperable with the lock structure for opening of the door, an inside handle on the door also cooperable with the lock structure for opening of the door, and means controlled from a point on the vehicle remote from said door for setting said lock structure to prevent opening of the door by said outside handle and for preventing opening of the door by operation of the inside handle while said outside handle is ineffective to open said door.

2,201,645
HAND SANDER
Daniel Epner, New York, N. Y.
Application November 10, 1938, Serial No. 239,857
1 Claim. (Cl. 51—187)

In a hand sander as described, a substantially flat base covered by a soft cushion, a sheet of abrading material on said cushion having its end edges folded over the end edges of said base and cushion, a longitudinally extending handle removably secured to said base, and spaced therefrom, strong wire clamp frames having their outer branches substantially Z-shaped and engaging the folded end edges of said sheet of abrading material, transversely arranged rods held in supporting brackets secured to said base,



the inner ends of said frames turnable about said rods near their outer ends, wire springs wound about said rods between the frame ends, the lateral branches of said frames having inwardly directed bends intermediary their ends, and the outer ends of said springs being hook-shaped to engage in the bends of said lateral frame branches from above to normally hold said frames in their sheet clamping position, the inner ends of said springs loop-shaped and interengaging to rest against the base.

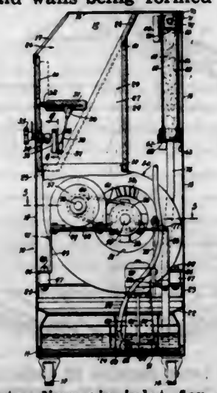
2,201,646
GAUGE FOR PULLING OVER MACHINES
Anthony Fagone, East Brookfield, Mass.
Application February 5, 1940, Serial No. 317,269
8 Claims. (Cl. 12—4)



1. A toe gauge for a pulling over machine comprising a pair of pivotally connected members, one of which is adapted to be secured to a portion of the machine, yielding spring means urging said members into face to face relation, and gauge means carried by the second member including a gauge point adapted to be moved into operative position against the tension of said spring means.

2,201,647
AIR CONDITIONING APPARATUS
Allan A. Feinberg, Minneapolis, Minn., assignor to United States Air Conditioning Corporation, Minneapolis, Minn., a corporation of Delaware
Application April 30, 1938, Serial No. 205,202
3 Claims. (Cl. 261—29)

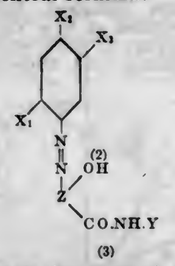
1. In an air conditioning apparatus, a casing, means providing a chamber having an air outlet at the front top portion of the casing and arranged in an upwardly and rearwardly inclined plane, said chamber including a bottom wall and an upwardly and rearwardly inclined rear wall, said walls being formed to provide an



upwardly extending air inlet for said chamber, and means in said chamber and movable into a position with respect to said air inlet for overlapping only a part of said air inlet and for deflecting a portion of the incoming air, laterally in both directions.

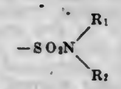
2,201,648
MONOAZO DYESTUFFS INSOLUBLE IN WATER
Ernst Fischer, Offenbach-on-the-Main, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application December 17, 1938, Serial No. 246,503. In Germany December 18, 1937
4 Claims. (Cl. 260—152)

1. The water-insoluble monoazo dyestuffs of the following general formula:

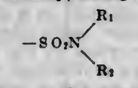


(3)

wherein X_1 stands for a member of the group consisting of hydrogen, alkyl, alkoxy, benzyloxy, phenoxy and halogen; X_2 and X_3 stand for members of the group consisting of hydrogen, alkyl, alkoxy, benzyloxy, phenoxy, halogen and the group

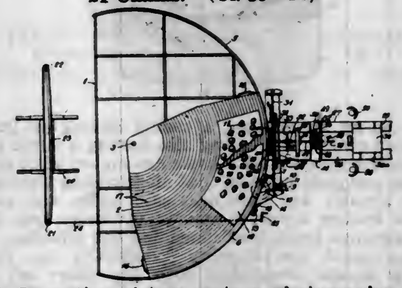


always one of the two substituents X_2 and X_3, not both simultaneously, being the group



R_1 being a member of the group consisting of a aliphatic radical containing more than 2 carbon atoms, benzyl and a hydroaromatic radical, R_2 being a member of the group consisting of alkyl, benzyl, aryl and a hydroaromatic radical, with the proviso that if R_1 and R_2 are simultaneously alkyl radicals, the sum of their carbon atoms must be at least 5, and these alkyl radicals may be connected in a piperidine ring, Z stands for a radical of the group consisting of carbazole, diphenylene oxide and diphenylene sulfide, and Y stands for a member of the group consisting of radicals of the benzene and naphthalene series, being insoluble in water, but very easily soluble in organic solvents and yielding generally brown tints of good properties of fastness.

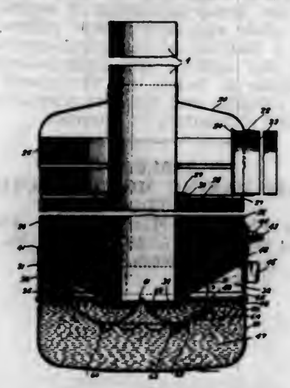
2,201,649
ART OF MAKING MOTION PICTURE CARTOONS
Max Fleischer, Miami Beach, Fla.
Application December 5, 1936, Serial No. 114,295
Renewed October 12, 1939
21 Claims. (Cl. 88—16)



1. In motion picture cartoon photography, the combination with a camera of a frame disposed in front of said camera for supporting one or more cartoon drawings, a plurality of miniature scene objects spaced apart linearly of the camera behind said frame in the field of the camera, means including a platform pivoted on both vertical and horizontal axes for supporting and maintaining said objects in such spaced relationship and for moving the same in both a horizonal and vertical direction across the field of the camera at different rates of progression, a plurality of other miniature scene objects spaced apart linearly of the camera in front of said frame in the field of the camera and means including a slidable platform for supporting and maintaining said last mentioned scene objects in such spaced relationship and for moving the same laterally in the same direction across the field of the camera at different rates of progression and independently of said first mentioned miniature scene objects.

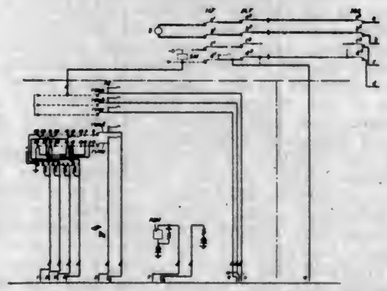
2. The method of producing motion picture cartoons, which includes positioning one of a series of cartoon drawings in front of a plurality of miniature scene objects disposed in spaced relation, one behind the other, positioning a camera forwardly of and directed toward said drawing and said objects, making a photographic exposure with said camera, changing the drawing and at the same time positioning a replica on a reduced scale of one of said miniature scene objects between said camera and said cartoon drawing, moving said miniature scene objects and said replica laterally in the same direction at different rates of progression to give a different perspective effect, with said replica covering said scene object in the view of the camera, and making another photographic exposure with said camera.

2,201,650
AIR CLEANER
Theodore W. Hallerberg, Chicago, Ill., assignor, by mesne assignments, to United Specialties Company, Detroit, Mich., a corporation of Delaware
Application December 14, 1936, Serial No. 115,659
15 Claims. (Cl. 183—15)



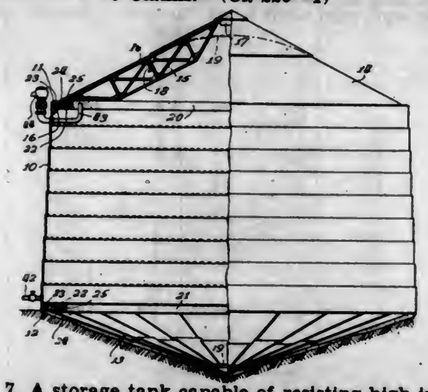
1. In an air cleaner, a casing having an inlet and an outlet, said casing also having a sump for cleansing liquid, and a baffle associated with said sump and positioned so that air traveling through said cleaner will pass over said baffle, and said baffle having separate sets of openings, one set of openings being positioned for the eduction of sump liquid therethrough by passing air, and scoop means associated with the other set of openings to aid the return therethrough of dirt-laden liquid to the sump.

2,201,651
DIAL SWITCHING TELEPHONE SYSTEM
William Hatton, Leslie Baines Haigh, and Ladislas Kozma, Antwerp, Belgium, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1938, Serial No. 200,656
In Great Britain October 31, 1936
9 Claims. (Cl. 179—18)



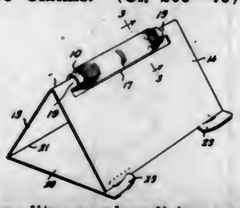
1. In a telecommunication system, calling lines having marking terminals, two groups of identifying switches of which one group is used for terminating connections on said lines, means for imposing a test condition on the terminal of one of said calling lines, and means responsive to the presence of said test condition on said calling line for operating a switch in each of said groups of switches to connect with said terminal.

2,201,652
STORAGE TANK
William E. Joor, Chicago, Ill.
Application May 1, 1937, Serial No. 140,132
7 Claims. (Cl. 220—1)



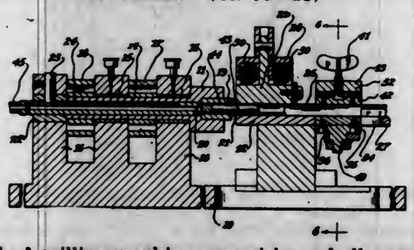
7. A storage tank capable of resisting high internal gas or vapor pressure comprising a substantially cylindrical body portion, substantially conical and closure members rigidly anchored upon their circumferences to said body portion at sloping angles, and a reinforced concrete ring supported at each end of said body portion and arranged to be subjected to compression by any force tending to move said ends of the body portion inwardly, whereby any tendency for said ends to move inwardly as the result of high internal pressure is communicated to the ring and resisted by its resistance to compression, each of said rings extending over adjacent portions of the cylindrical body and the conical end members.

2,201,653
COMMODITY MERCHANDISING ASSEMBLAGE
Roland A. McCreary, New York, N. Y., assignor to Dritz-Traum Company, Inc., New York, N. Y., a corporation of New York
Application February 7, 1939, Serial No. 255,018
3 Claims. (Cl. 206—79)



1. A commodity merchandising assemblage including a thread supporting core and a folder comprising a body having a pair of hingedly connected leaves formed with cut-out portions at the juncture thereof defining oppositely disposed inwardly directed mating trunnions adapted to be flexed to permit of the engagement of the same within the opposite ends of the core, and a cover leaf hingedly connected to one of said leaves along the edge thereof opposite to the hinged connection of said pair of leaves, said cover leaf being of substantially the same length as the leaves of said pair in a direction perpendicular to the hinged connection therewith and having a cut-out portion at the edge thereof opposite to its hinged connection with the leaf of said pair of leaves providing oppositely disposed inwardly directed trunnions adapted to be flexed to permit of the engagement of the same within the opposite ends of the core for releasably retaining the cover leaf in closed relation to the body.

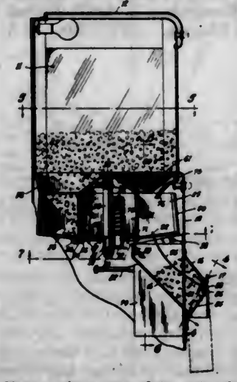
2,201,654
MILLING MACHINE
Paul F. Schoen, Dearborn, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application August 25, 1938, Serial No. 226,775
10 Claims. (Cl. 90—18)



1. A milling machine comprising a hollow cutter, a pilot pin located on the axis of the hollow cutter and defining a tubular space between the pin and the inner wall of the hollow cutter, and a stationary guide arranged to guide a work piece having a tubular bore and an irregular exterior contour so as to cause the tubular bore to pass over the pilot pin.

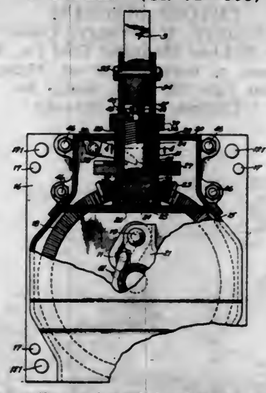
9. A milling machine comprising a tubular shaft, a hollow cutter mounted on the tubular shaft, a pilot tube extending through the tubular shaft, a pilot pin carried by the pilot tube and adapted to extend into the work piece, means for conducting lubricating fluid to the pilot tube, means permitting escape of the lubricating fluid to the cutting edges of the hollow cutter, and means to guide work to the hollow cutter.

2,201,655
DISPENSING MACHINE
Joseph W. Sroduiski, Chicago, Ill.
Application September 21, 1938, Serial No. 231,011
9 Claims. (Cl. 221—108)



1. In a dispensing machine including a dispensing drum having open compartments adapted to receive merchandise matter from a source of supply arranged above the drum such that the merchandise matter tends to gravitate into the several compartments, means for rotating said drum to move said compartments successively into a discharge position, said compartments being arranged and constructed so that the contents thereof will be discharged therefrom when the compartments are in said discharge position, the combination with said drum of deflecting means including a member arranged to close off one of said compartments in said discharge position to prevent movement of merchandise matter from said source into said compartment, said deflecting member being pitched in opposite directions relative to the direction of movement of said drum to deflect merchandise matter in a direction back toward one of said compartments approaching said discharge position and into any compartment leaving said position, and a conical hub member for said drum positioned to guide merchandise matter from said source for movement in a general direction into said compartments and disposed for cooperation with said deflecting means to prevent merchandise matter from working beneath said deflecting means.

2,201,656
RAILWAY HAND BRAKE MECHANISM
Edwin E. Van Cleave, Chicago, Ill.
Application March 16, 1938, Serial No. 196,098
3 Claims. (Cl. 74—505)

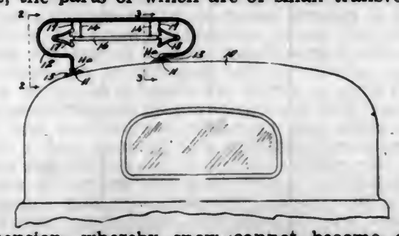


1. In a railway hand brake, a vertical shaft for a handwheel, a winding drum and gear, and an operating mechanism for said gear, comprising an extension coupled to said shaft, a pinion, a stud shaft having driving relation to said pinion, a ratchet loose on said stud shaft, and a friction clutch connection between said ratchet and pinion, said extension and stud shaft having intermeshing helical surfaces for engaging and disengaging said clutch connection through relative rotation of said extension and stud shaft.

2,201,657
TURN SIGNAL FOR AUTOMOBILES
Walter L. Westlund, St. Paul, Minn.
Application January 3, 1938, Serial No. 182,950
1 Claim. (Cl. 177—329)

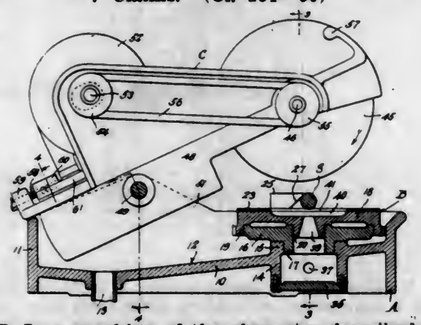
A turn and stop signal for an automobile having in combination, an elongated tube of small diameter, pointed separate members formed of tubes of substantially the same diameter disposed in the same vertical plane as and at either end of said elongated tube and pointing away from said tube respectively, said tubes being of the type used in neon signs and having electrodes therein and adapted to be illuminated in the operation of said signal, a guard member formed of a tube of small diameter extending

around said tube and members and over the same at a small distance therefrom and disposed in the same vertical plane as said tube and members, said guard member having its ends secured to the top of said automobile, said tube, members and guard member forming an openwork structure, the parts of which are of small transverse



dimension, whereby snow cannot become disposed against said structure and obscure said signal and whereby said signal is easily visible from the front and rear of said automobile at either side thereof, and members supporting said first mentioned tube and members from said guard.

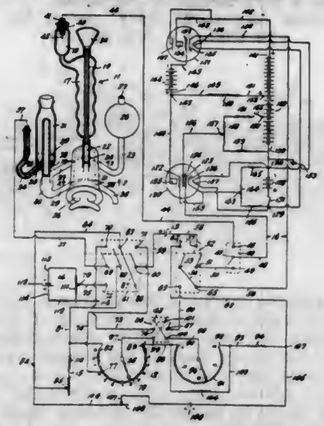
2,201,658
CUTOFF MACHINE
Ernest C. Whitney, Waterbury, Conn., assignor to Porter-McLeod Machine Tool Co., Inc., Hatfield, Mass., a corporation of Massachusetts
Application July 28, 1939, Serial No. 286,969
7 Claims. (Cl. 164—60)



7. In a machine of the character described, a cutter, a base including a bottom wall and an upstanding marginal rim, said bottom wall being provided with an upstanding apertured annular bearing, a work support including upper and lower disks, said lower disk having a depending apertured hub engaging said annular bearing and rotatably mounting said disk thereon, said upper disk being secured to the lower disk and having a narrow elongated port opening diametrically through the upper surface thereof and communicating with the aperture of said hub for directing liquid upwardly therethrough for discharge above the upper disk, said base and said marginal rim defining a receptacle into which the liquid is adapted to flow from the stock support, and means swingably mounting said cutter in opposite portions of said marginal rim for movement into the path of said stream.

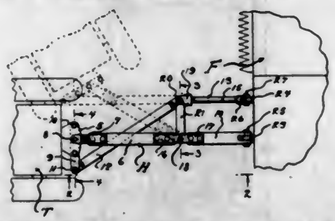
2,201,659
APPARATUS FOR MEASURING POTENTIALS
Saul B. Young, Bronx, N. Y.
Application April 6, 1938, Serial No. 200,309
4 Claims. (Cl. 175—183)

1. In an apparatus for indicating potentials, a high resistance medium permeable to hydrogen-ions and adapted to be interposed in contact with a solution to be tested for the potential thereof, a balancing potentiometer for indicating the potential of said solution due to the hydrogen-ion concentration thereof, a direct current voltage amplifier circuit including a visual indicator and means in said circuit for varying the potential thereof to effect the complete illumination of the said indicator, means for connecting said amplifier circuit and said balancing potentiometer in



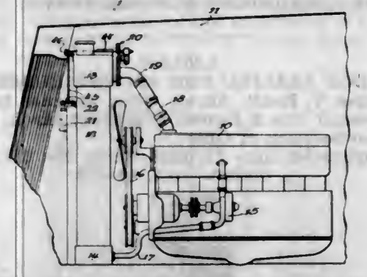
series with said high resistance medium, a buffer potentiometer for compensating for juncture potentials in said series circuit, means for connecting said buffer potentiometer in said series circuit, a variable resistance in circuit with said high resistance medium for compensating for the temperature of the said solution, a standard voltage cell, and means for connecting said cell in circuit with the balancing potentiometer for balancing the potentiometer against the standard cell so as to obtain a definite potential drop across the balancing potentiometer.

2,201,660
IMPLEMENT HITCH
Edward H. Christensen, Oshkosh, Wis.
Application December 6, 1939, Serial No. 307,858
4 Claims. (Cl. 280—33.5)



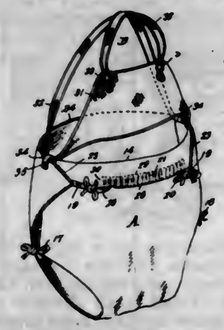
1. The combination with a farm implement and a pulling tractor therefor having a drawbar, of a hitch for connecting the farm implement to the tractor including spaced, parallel bars connected to the implement for swinging movement in a vertical plane, a cross bar connecting the parallel bars together for preventing independent movement thereof, a pull tongue pivotally connected to one of the parallel bars for swinging movement in a horizontal plane and pivotally connected to the drawbar, and a draft link extending across and pivotally connected to the other parallel bar.

2,201,661
THERMOSTATICALLY ACTUATED SHUTTER UNIT
Ralph F. Cohn, Chicago, Ill., assignor to Pines Winterfront Company, Chicago, Ill., a corporation of Delaware
Application October 20, 1938, Serial No. 235,977
14 Claims. (Cl. 123—178)



1. In combination with a prime mover generating heat when operated, and a cooling system therefor comprising a radiator, coolant circulating means operative whenever the prime mover is operated and means for varying the effectiveness of the radiator, a single closed coolant conduit connecting the engine and radiator having a portion above the coolant level obtaining when the engine is inoperative, and thermal responsive means positioned in said portion adapted to contact coolant circulating therethrough for controlling the radiator effectiveness controlling means.

2,201,662
INFANT'S UNDERGARMENT
Rose M. De Luco, Jersey City, N. J.
Application September 17, 1938, Serial No. 230,375
2 Claims. (Cl. 2—70)

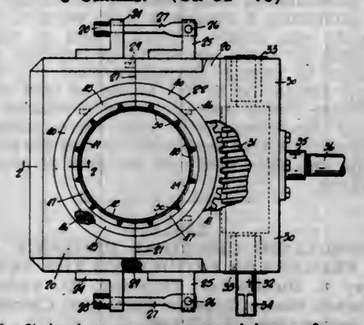


1. In an infant's undergarment, the combination of a diaper and a chest protector, said diaper including a front body covering portion, a rear body covering portion and a crotch covering portion, said rear body portion extending forwardly into overlapped relationship with the front body covering portion adjacent the upper end thereof, interengageable fastening means on the rear and front body covering portions for connecting the same together in overlapped relation, said chest protector including a chest covering portion and shoulder straps connected to opposite diagonal corners thereof, and releasable fastening means on the front and rear body covering portions of the diaper for engagement with the said straps for positioning and retaining the chest protector in chest covering relation and for holding up the waist portion of the diaper.

2,201,663
XANTHATE OF CELLULOSE GLYCOLLIC ACID
Deane C. Ellsworth, deceased, late of Wilmington, Del., by Joseph F. Haskins, administrator, Wilmington, Del., and Ferdinand Schulze, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 7, 1933, Serial No. 688,434
2 Claims. (Cl. 260—226)

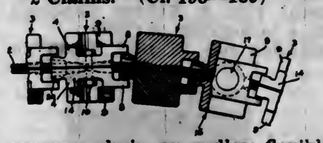
1. The xanthate obtained by steeping 94 parts of wood pulp in 1,000 parts of 18% sodium hydroxide solution for one hour at 25° C., pressing to 235 parts, shredding, aging for 24 hours at 25° C. in a closed container, shredding the resultant with 15 parts of dry sodium chloroacetate for one hour at 25° C., followed by shredding for 5 hours at 40° C., treating the resultant with carbon disulfide in the proportion of 16 parts of carbon disulfide for each 133 parts of the cellulosic body, and holding the resultant mixture at 25° C. for 14 hours.

2,201,664
SHAFT TRUING DEVICE
James P. Ferguson, South Bend, Ind.
Application April 26, 1937, Serial No. 139,015
6 Claims. (Cl. 51—73)



1. Shaft truing means comprising a frame, an annular member rotatable in said frame, shaping means carried by and projecting from the inner periphery of said member, and guide means at the inner periphery of said member and riding on the portion of the shaft outwardly of the portion to be trued, said guide means having a positive constant relation to said shaping means to fully control the action of the shaping means.

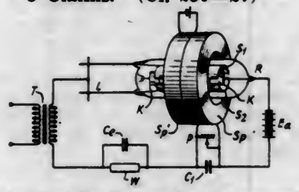
2,201,665
CONVEYER BELT
John E. Hogander, Minneapolis, Minn.
Application September 6, 1938, Serial No. 228,583
2 Claims. (Cl. 198—189)



1. In a conveyer chain, an endless flexible steel cable, a plurality of split elements fixedly clamped thereto lengthwise of the cable and serving as links, said links having oppositely disposed lugs adapted to engage suitable tracks to carry the weight of the chain, said lugs being spaced apart lengthwise of the chain to provide

gaps therebetween adapted to receive the teeth of a driving member, and means in the ends of said links for permitting free flexing of the cable without damage thereto.

2,201,666
MAGNETRON
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 4, 1938, Serial No. 193,816
In Germany May 9, 1936
3 Claims. (Cl. 250—27)



2. An electron discharge device comprising an envelope containing a straight cathode coated with material for emitting electrons and a pair of coaxial anode segments surrounding said cathode for receiving electrons from said cathode, a coil surrounding said electron discharge device for producing a magnetic field parallel to said cathode and anode segments and of sufficient strength to cause electrons to impinge on the cathode to release secondary electrons, a load circuit connected to the anode of said electron discharge device and including a resistor and a second electromagnetic coil surrounding said electron discharge device for varying the intensity of the magnetic field and the rate of secondary emission.

2,201,667
INORGANIC CHEMICAL PRODUCT AND PROCESS OF PRODUCING THE SAME
Harry N. Huntsicker, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 17, 1937, Serial No. 148,661
7 Claims. (Cl. 106—24)

1. The process of producing a substantially dry hydrated lime which comprises slaking quicklime with water containing small amounts of a high molecular weight compound having wetting properties and adapted to lower the surface tension of an aqueous calcium hydroxide solution.

2,201,668
METHOD OF MAKING VEHICLE TIRE TREADS
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Summit, Ohio, a corporation of Ohio
Application July 19, 1937, Serial No. 154,443
7 Claims. (Cl. 154—14)



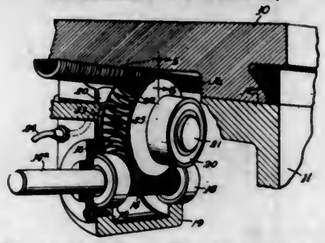
3. The herein described method of forming rubber tires which comprises forming a strip of tread stock having a continuous base portion of rubber and an outer face portion composed of closely spaced finlike ribs of vulcanizable rubber extending outwardly from the base and thin layers of material to which the rubber does not adhere in the spaces between the ribs and separating the side faces of adjacent ribs, applying the tread stock to the periphery of a tire and vulcanizing the same under heat and pressure in a mold to form a tire tread with closely spaced finlike ribs separated by narrow grooves.

2,201,669
EDGE SEALING FOR SPONGE RUBBER
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 27, 1938, Serial No. 210,542
5 Claims. (Cl. 18—59)



1. The method of finishing sheet material having an adhesive edge, that comprises causing some portions of said edge to overlie and to be secured to other portions thereof by the application of pressure to said edge in a direction that is substantially normal thereto.

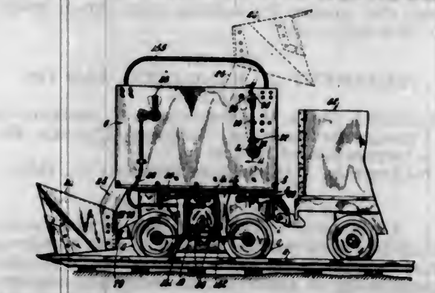
2,201,670
POWER TRANSMISSION MECHANISM
Charles E. Kraus, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application November 17, 1937, Serial No. 174,998
3 Claims. (Cl. 74—422)



1. The combination of a supporting member, a member slidable relative to said supporting member, an elongated rack secured to one of said members and having teeth thereon constituting elements of a worm thread, a mating worm wheel meshing with the teeth of said rack and mounted on the other of said members to turn about an axis extending transversely of the direction of movement of the slidable member, and a power rotated driving worm meshing with said worm wheel with the side thereof opposite said rack.

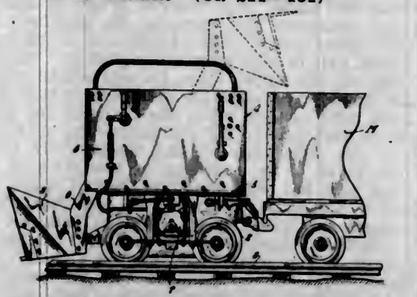
2,201,671
MATERIAL LOADING APPARATUS
Robert C. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application January 11, 1938, Serial No. 184,447
32 Claims. (Cl. 214—132)

1. In a loading apparatus, in combination, a portable base, a frame structure swiveled on said base to swing horizontally relative thereto, loading means supported by said frame structure for movement relative thereto, said loading means movable relative to said frame structure from its material gathering position to its material discharging position, and said frame structure swingable horizontally relative to said base to position said loading means at one side of the path of movement of said base, and power operated self-centering means for said loading means operable independently of the movement of said loading means relative to said frame structure



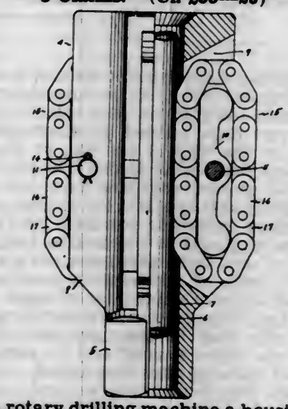
and irrespective of the horizontally swung position of said loading means relative to said base, for swinging said frame structure horizontally relative to said base automatically, upon continued supply of motive power thereto, to aline said frame structure relative to said base during the loading movement of said loading means, said self-centering means embodying means for automatically interrupting horizontal swinging movement of said frame structure relative to said base when the latter assumes said alined position.

2,201,672
MATERIAL LOADING APPARATUS
Robert C. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application April 30, 1938, Serial No. 205,168
17 Claims. (Cl. 214—131)



1. In a material loading apparatus, in combination, a material-receiving member, a rolling frame structure for supporting said material-receiving member for arcuate movement in a vertical direction from its lowered material-receiving position to its raised material-discharging position, and a supporting and guiding structure for said rolling frame structure comprising means providing a guideway over which said rolling frame structure passes as said material-receiving member moves arcuately as aforesaid, said guideway having a forward horizontal guiding portion and an elevated rearward guiding portion, said rolling frame structure as it passes from said horizontal portion onto said elevated portion moving upwardly, thereby to elevate said material-receiving member as it approaches its material-discharging position.

2,201,673
ROTARY DRILLING MACHINE
Tracy S. Park, Houston, Tex., assignor to Arthur J. Penick and Kirby T. Penick, Harris County, Tex.
Application November 6, 1937, Serial No. 173,131
3 Claims. (Cl. 255—23)



1. In a rotary drilling machine a housing having a passageway therethrough to receive a drill stem, endless traveling chains mounted to revolve in the housing and composed of nests of plates forming links whose margins, adjacent the stem are adapted to engage the stem to cause the stem to rotate with the housing, the plates in engagement with the stem, being movable downwardly with the stem while maintaining their driving connection therewith and flexible arcuate guide plates pivoted between the ends thereof and adapted to force the chains against the drill stem.

2,201,674
ELECTRICAL TERMINAL
Raymond N. Rowe, Plainville, and John L. Robertson, Forestville, Conn., assignors to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application March 12, 1938, Serial No. 195,488
2 Claims. (Cl. 173—269)

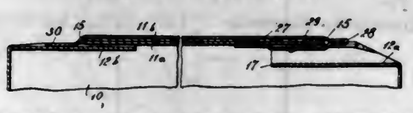


1. A solderless terminal lug having a body to be secured to a support, said body having a conductor cable recess and a screw threaded passage whose axis intersects the axis of said recess and grooves at opposite sides of the recess formed as continuations of the sides of the passage, the entrance side walls of said passage being continuous, a clamp screw adjustable in said passage, a thin disc having its edges clamped in the bottom of the screw above its lower surface and a clamp shoe pivoted to said disc and insertable into said screw threaded passage and movable up and down with said screw within said passage and having portions extending into said grooves, said screw itself having a bearing surface against said shoe and the shoe and disc being protectively positioned within said passage and said conductor recess.

2,201,675
BAG

Mikael Vogel-Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application October 8, 1937, Serial No. 167,947
In Great Britain October 17, 1936
1 Claim. (Cl. 229—62.5)



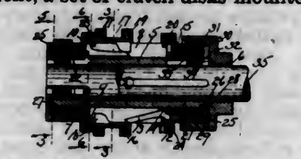
A bag having a valve in the bottom thereof and adapted during filling to be suspended from a filling nozzle inserted in said valve, comprising side and end flaps formed by longitudinal parallel cuts in the wall of the bag at the bottom end, the end flaps being folded inwardly towards one another so that said cuts form cut ends for the side flaps and cut parallel lateral edges for the end flaps extending inwardly in the direction of the long axis of the bottom from the cut ends of the side flaps, and lying parallel to and on opposite sides of said long axis, said side flaps and the outer lateral portions of each end flap being folded inwardly towards said long axis so that the side flaps lie one upon the other with their cut end edges aligned and the outer lateral portions of the end flaps are folded upon themselves, said side flaps being secured to one another but being unsecured to at least the middle portion of at least one end flap to form the valve at the bottom of the bag, the in-folded, outer lateral portions of each end flap being spaced from said long axis so that the respective outer ends of said in-folded portions diverge outwardly from points on said cut ends of the side flaps at opposite sides of said long axis, and a reinforcing strip secured to the outer surfaces of the side flaps, said reinforcing strip being of such width that the lateral edges thereof intersect the outwardly-diverging outer end of the infolded side portions of the respective end flaps at points on opposite sides of said long axis more than half the distance from the respective points on the cut end edges of the folded side flaps from which the outer ends of the infolded side portions of the end flaps diverge to the fold lines of said side flaps, and extending, in the direction of said long axis, beyond the aligned cut end edges of the side flaps to provide an unsupported valve extension of generally trapezoidal shape, said reinforcing strip being turned back upon itself along the line determined by said opposite points and forming a fold-line defining the outer edge of said trapezoidally shaped portion, said turned-back portion extending back under said side flaps.

2,201,676
CLUTCH

Allan R. Coe, Manchester, Conn., assignor to The Carlyle Johnson Machine Co., Manchester, Conn., a corporation of Ohio

Application November 10, 1937, Serial No. 173,880
9 Claims. (Cl. 192—69)

1. A clutch including a body, a seating ring secured to said body and having a roughened edge, a set of clutch levers each having one part seated against said ring, a clutch ring movably mounted on said body in engagement with another part of each of said levers, a pressure adjusting ring secured to said clutch ring, a detent on said pressure ring spring pressed into engagement with said roughened edge on said seating ring for holding the adjusting ring in positions of adjustment, a set of clutch disks mounted on said



body and operatively connected with said clutch ring, and means for rocking said clutch levers on their fulcrums.

2,201,677
TREATMENT OF MANGANESE AND ITS ALLOYS

Reginald S. Dean, Washington, D. C., assignor to Chicago Development Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application February 15, 1939, Serial No. 256,458
8 Claims. (Cl. 75—80)

1. A method of treating commercial manganese which has been reduced at least in part by silicon or aluminum to render it more suitable for the preparation of alloys which comprises contacting said manganese, in a molten condition, with an alkali metal fluoride for at least several minutes.

2,201,678
BURNER APPARATUS

Homer D. Dufault, Easthampton, Mass., assignor to Holyoke Heater Co., Holyoke, Mass., a corporation of Massachusetts

Application August 5, 1938, Serial No. 223,280
2 Claims. (Cl. 158—99)



1. A reinforced burner bar construction comprising in combination, a longitudinally-extending tubular burner bar provided with ports spaced along the upper side thereof, a set of spaced-apart relatively thin metallic fin members disposed along and in planes transverse to the longitudinal axis of said burner bar provided with recesses on the upper sides thereof which receive said burner bar, said fin members having their upper sides spaced below the plane of the upper side of said burner bar and extending outwardly from the sides thereof and downwardly therefrom so as to lie generally at the sides of and below said bar with portions thereof below said burner bar and provided with openings therethrough, hollow spacers disposed between adjacent sides of adjacent fin members of said set thereof, a rod member extending through said spacers and the openings in said fin members, and a means on the opposite ends of said reinforcing member acting on outermost faces of the endmost fin members drawing said fin members and spacers together whereby a rigid reinforcing structure is associated with said burner bar at the sides and bottom longitudinally thereof.

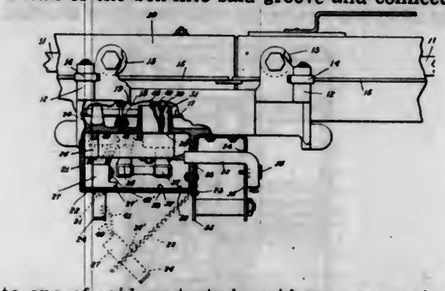
2,201,679
TROLLEY COLLECTOR FOR BUS BAR CONDUIT SYSTEMS

Frank Harvey, Cincinnati, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application January 17, 1938, Serial No. 185,265
7 Claims. (Cl. 200—114)

7. A trolley connector having in combination

a body with a contact on its upper face for coacting with a bus bar in a conduit and a fuse box having a cover closing it below, an insulating base secured in the upper part of the box and having a groove with a pair of spaced switch contacts secured in the upper face of the base, said base having an arc-restricting passage leading to said contacts, a conductor extending through a wall of the box into said groove and connected



to one of said contacts in said groove, a pair of fuse clips mounted on the lower face of said base, one of said clips being connected to the remaining contact of said pair, a branch conductor extending through a wall of the box and connected to the remaining clip beneath said base, and a switch member carried by the cover and extending through said passage and connecting the contacts of the respective pair of contacts when the cover is closed.

2,201,680
INTERIOR PIPE CLEANER

Albert Haynes, Bay City, Tex., assignor of one-half to J. E. Hasty, Houston, Tex.

Application May 21, 1938, Serial No. 209,218
4 Claims. (Cl. 15—104.06)



1. An interior pipe cleaner assembly including a mandrel comprising a plurality of articulated sections, a conical pilot on one end section thereof, said pilot being adapted to guide the assembly through the pipe to be cleaned thereby, spaced rotors on other sections of the mandrel, cutter blades on said rotors positioned closely adjacent the inner wall of the pipe to be cleaned, and means on said pilot and each of said rotors for rotating each of said elements as the assembly is moved longitudinally within a pipe.

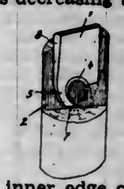
4. In an interior pipe cleaner, an articulated mandrel, a rotor mounted upon each section thereof, each of said rotors comprising a hub rotatably mounted upon the section, an annular rim and interposed vane means inclined from a transverse plane, and cutter blades secured to said rim and extending axially thereof for movement in close proximity to the walls of the pipe to be cleaned.

2,201,681
WEDGE FOR SECURING HAMMER HEADS OR THE LIKE TO THEIR SHAFTS

Jakob Huber, Tuttlingen, Germany

Application August 9, 1938, Serial No. 223,812
In Germany August 13, 1937
3 Claims. (Cl. 306—33)

1. A wedge for fastening an implement to a shaft, said wedge comprising two legs at its thinner end, the free ends of said legs having oppositely bevelled cutting edges respectively, and inwardly directed claw-like prongs formed by a recess between said legs, the width of said recess between said legs decreasing towards the ends of

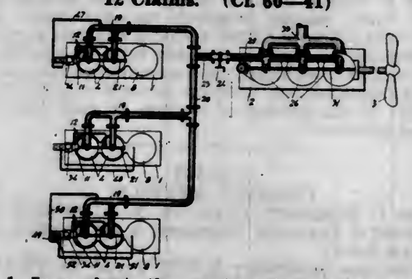


said prongs, the inner edge of said recess being knife-like bevelled from both sides, and the cutting edges of the legs being inclined, downwardly and inwardly, to the respectively adjoining side faces of the wedge.

2,201,682
PLANT COMPRISING TWO OR MORE PRESSURE MEDIUM GENERATORS

Johan Erik Johansson, Goteborg, Sweden, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden, a corporation of Sweden

Original application June 19, 1937, Serial No. 149,085. Divided and this application January 21, 1938, Serial No. 186,090. In Sweden November 9, 1935
12 Claims. (Cl. 60—41)



1. In a plant, the combination of driving gas generators comprising air compressors driven by internal combustion engines and adapted to produce a driving gas mixture containing partly expanded exhaust gases of the internal combustion engines and air of substantially the same pressure compressed by the compressors, a communication between delivery portions of said driving gas generators, one or more motors adapted to be driven by said driving gas mixture, governors for said driving gas generators, and for each governor a device responsive to the speed of the pertaining generator and a device responsive to the pressure of the pressure medium, said devices being adapted to simultaneously actuate said governor, which is adapted to control the output of the pertaining pressure medium generator by varying the fuel supply to the internal combustion engine comprised therein.

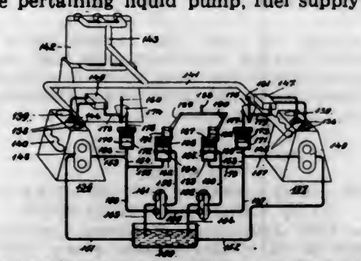
2,201,683
PLANT COMPRISING PRESSURE MEDIUM GENERATORS WORKING IN PARALLEL

Johan Erik Johansson, Goteborg, Sweden, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden, a corporation of Sweden

Application June 19, 1937, Serial No. 149,085
In Sweden November 9, 1935
4 Claims. (Cl. 60—97)

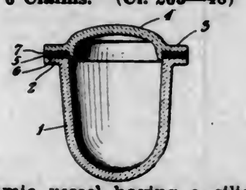
1. In a plant, the combination of pressure medium generators comprising pumps driven by in-

ternal combustion engines, a communication between delivery portions of said generators, a control device for regulating the speed of at least two of said internal combustion engines to maintain the operation thereof in desired speed relation with respect to each other, a shaft in said control device common for said controlled internal combustion engines, a liquid pump coupled to each one of the controlled internal combustion engines, a liquid motor corresponding to each one of said liquid pumps and elastically connected to said shaft and communicating with and driven by the pertaining liquid pump, fuel supply con-



trol devices for each one of the controlled internal combustion engines responsive to the pressure in the communication between the pertaining liquid pump and the liquid motor, means adapted to influence the pressure in said communications upon a certain angular displacement of one of said liquid motors relatively to said shaft, so that said pressure which actuates the fuel supply control device of the pertaining internal combustion engine is changed corresponding to said angular displacement, whereby to tend to bring the speeds of the controlled engines to said desired speed relation.

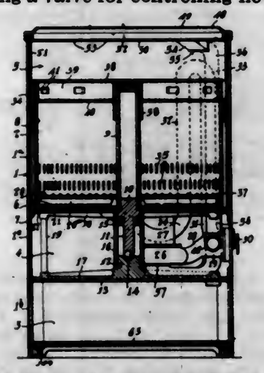
2,201,684
CERAMIC ARTICLE
Percy C. Kingsbury, Elizabeth, N. J., assignor to General Ceramics Company, a corporation of New Jersey
Application September 2, 1937, Serial No. 162,119
6 Claims. (Cl. 263—48)



4. A ceramic vessel having a silicon carbide body portion, an annular ring of stoneware bonded thereto, the outer surface of which is ground to present a smooth contacting surface, and a lid of ceramic material engaging said smooth stoneware surface for tightly closing said vessel.

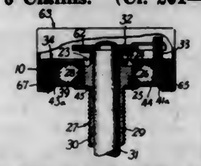
2,201,685
WASHING MACHINE
Ben L. Lorensen, Los Angeles, Calif., assignor of one-half to Charles S. Frank, Los Angeles, Calif.
Application February 9, 1937, Serial No. 124,823
9 Claims. (Cl. 68—148)

3. In a washing machine, the combination of a casing having an upper water compartment and a lower water compartment at the base of the casing, and having a blower compartment between the two water compartments, a cage mounted to rotate on a substantially vertical axis in the upper water compartment, a blower within the blower compartment, said cage having a bottom with perforations and with propeller vanes, means for directing a jet of air from the blower against the said bottom and vanes in a direction to rotate the cage and permit the air to pass up through the said perforations, a water duct for permitting water from the upper compartment to descend to the lower compartment, and including a valve for controlling flow through



the same, a drain pipe for the lower compartment having an inlet near the bottom of the lower compartment, and valve means for shutting off flow of air from the blower to the cage, and for directing air from the blower into the upper part of the lower water chamber to develop pressure therein, and thereby force the water through the said outlet pipe from the lower water chamber, to deliver the same at a higher level than the lower water compartment.

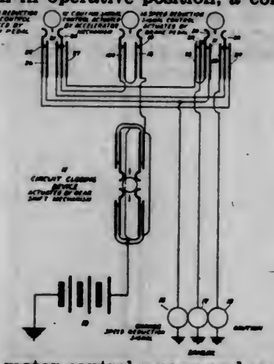
2,201,686
POWER CONTROL APPARATUS
Jesse Marsten, Philadelphia, Pa., assignor to International Resistance Company, Philadelphia, Pa., a corporation of Delaware
Application February 19, 1937, Serial No. 126,668
6 Claims. (Cl. 201—48)



1. In apparatus of the class described, in combination, a non-metallic base, a contactor rotatably supported in said base, a metallic plate covering a substantial portion of the top of said base and having portions extending downwardly of said base, a second metallic plate secured to the bottom of said base and engaging said downwardly extending portions of said first plate, a resistance element mounted on said first-mentioned plate and in engagement with said contactor, and a box-like metallic cover member encasing said first plate said contactor and said resistance element, and thermally connected to said bottom plate whereby said base is substantially surrounded by thermally connected metallic parts for diffusion of heat.

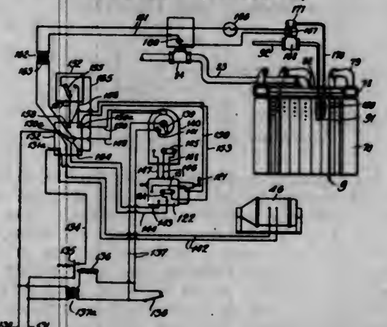
2,201,687
VEHICLE SIGNAL SYSTEM
Benjamin Lot Parker, Genoa, Ill.
Application May 9, 1936, Serial No. 78,804
4 Claims. (Cl. 177—339)

1. In a vehicle having driver operated control means for a motor, a clutch, a brake, and a gear shift, a plurality of visual signals each having an electric circuit and a control switch, a common source of electric power and a circuit connection between said source and said signal circuits including a master switch for all signal circuits, a connection between the gear shift control means and the master switch for breaking the circuit when the gear shift is in neutral position and close it when in operative position, a connection



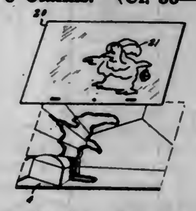
between the motor control means and one of the signal circuit switches for closing a circuit to operate a signal when motor speed is reduced, a connection between the clutch control means and another signal circuit switch for closing another circuit to operate a signal when the clutch is manipulated, a connection between the brake control means and another signal circuit switch for closing another circuit to operate a signal when the brake control means is manipulated.

2,201,688
METHOD OF AND APPARATUS FOR CONDITIONING AIR
William R. Zuhlke, Yonkers, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application October 24, 1936, Serial No. 107,376
12 Claims. (Cl. 183—4)



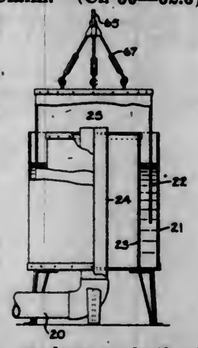
8. The method of conditioning the air in room spaces which comprises moving air at its prevailing temperature through a body of material, adapted when activated to abstract moisture from the air, for intermittent dehumidifying flow periods of equal and relatively long duration; establishing a flow path for such dehumidified air as it leaves said body of material which path leads to the space to be conditioned and lowering the dry bulb temperature of such air as it traverses such flow path; moving reactivating air through said body of material for substantially the entire duration of each of the intervals between dehumidifying flow periods to provide reactivating periods alternating with the dehumidifying flow periods, with the reactivating periods being of relatively shorter duration than the dehumidifying flow periods and being of lengths respectively dependent upon a characteristic reflecting the moisture content of said body of material; heating the reactivating air prior to contact with said body of material for at least a substantial portion of each reactivating period; and diverting the reactivating air from said flow path.

2,201,689
ART OF ANIMATION
Walter E. Disney, Los Angeles, Calif., assignor to Walt Disney Productions, Los Angeles, Calif., a corporation of California
Application September 1, 1936, Serial No. 98,896
8 Claims. (Cl. 88—16)



5. In the production of animated cartoons, the steps of: forming a shaped three dimensional background capable of distorting an image projected thereon, placing a representation of a foreground object in desired position in front of the shaped background; projecting a shadow of said foreground object upon the shaped background from a point of projection, and photographing the projected shadow as distorted by the background upon a film from a point of view removed sufficiently from the point of projection to produce a photographic record showing the distorted shadow in a different perspective than that visible from the point of projection.

2,201,690
RESPIRATOR
Carl A. Ewald, Seattle, Wash.
Application February 28, 1936, Serial No. 66,256
1 Claim. (Cl. 60—62.6)



A pulsator to produce a rhythmic change in pressure, comprising an outer upright water-filled cylinder, an inverted cylinder movable vertically within the outer cylinder, with its lower edge always below the surface of the water

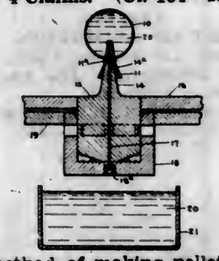
therein, a conduit communicating with the air space within the inverted cylinder and adapted for connection to the exterior, means including a rotative crank connected with the inverted cylinder to raise and lower it repeatedly, and a counterweight connected to the latter means to be raised by the crank as the inverted cylinder is lowered, and by its downward movement to assist in raising the cylinder.

2,201,691

METHOD OF MAKING GOLF BALL CORES

John R. Gammeter, Akron, Ohio

Application January 27, 1939, Serial No. 253,141
4 Claims. (Cl. 154—18)



1. The method of making pellets which comprises making a bag of thin flexible elastic material, filling said bag with a predetermined volume of liquid or mobile substance under pressure thereby substantially to stretch the wall of said bag, solidifying said substance in the bag to form a pellet, and removing said bag from the pellet thus formed.

2,201,692

STABILIZATION OF SHORTENING

Donald P. Grettie, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 12, 1936, Serial No. 95,632
10 Claims. (Cl. 99—163)

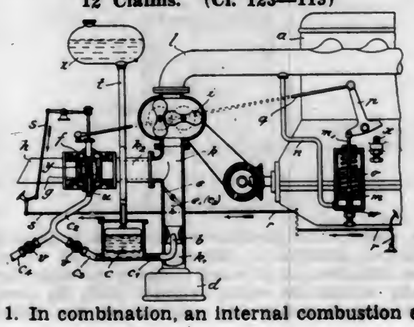
1. The method of stabilizing lard against rancidity which comprises adding thereto and thoroughly incorporating therewith a quantity of hydrogenated refined soya bean oil.

2,201,693

CARBURETOR CONTROL

Albert Heess and Georg Scheerer, Stuttgart-Bad Cannstatt, Germany, assignors to Daimler-Benz Aktiengesellschaft, Stuttgart - Unterturkheim, Germany

Application December 13, 1938, Serial No. 245,385
In Germany December 16, 1937
12 Claims. (Cl. 123—119)



1. In combination, an internal combustion engine, a blower operative for charging said engine, a plurality of carburetors, and a control influenced by charging pressure and operative for successive cut-in of said carburetors.

2,201,694

METHOD AND APPARATUS FOR MANUFACTURING ELECTRIC LAMPS AND SIMILAR ARTICLES

George Illingworth, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application May 15, 1937, Serial No. 142,853
2 Claims. (Cl. 176—2)



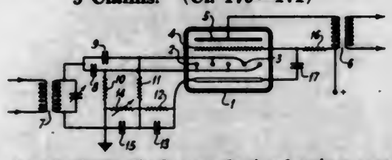
1. The method of manufacturing electric incandescent lamps and similar articles without the use of an exhaust tube which comprises disposing a mount within a glass bulb with the lead wires of said mount extending longitudinally through the open neck of said bulb, heating said bulb neck to cause it to be fused and sealed around said lead wires and maintaining an opening through said neck, evacuating said bulb within an exhaust chamber and then hermetically sealing said opening by fusing and compressing said bulb neck within said chamber.

2,201,695

ELECTRON DISCHARGE DEVICE AND CIRCUIT

Johan Lodewijk Hendrik Jonker, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application December 17, 1938, Serial No. 246,289
In the Netherlands January 8, 1938
5 Claims. (Cl. 179—171)



1. An electron discharge device having a cathode and an anode, and a pair of control electrodes positioned between the cathode and anode and lying in the same surface, an input circuit having one side connected to the control electrodes, a fixed resistor and a variable resistor connected in series between said cathode and the other side of said input circuit, and a connection between one of said control electrodes and a point between the fixed resistor and the variable resistor.

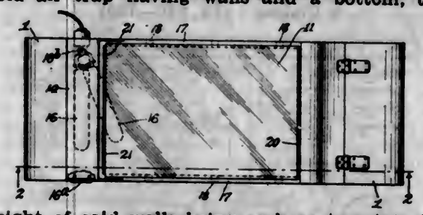
2,201,696

DISPLAY SHOWCASE

Lawrence Newton Lucas, Evanston, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application November 30, 1938, Serial No. 243,065
11 Claims. (Cl. 62—89.5)

1. In combination in a refrigerated display case, an insulated housing member, means for cooling it, an opening in the housing member to permit access to and inspection of the contents of said housing, the opening to said housing being so positioned that the housing provides a cold air trap having walls and a bottom, the



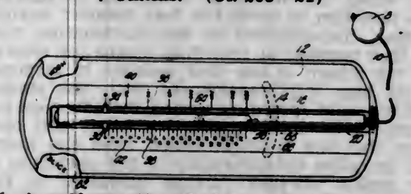
height of said walls being such as to retain by gravity a sufficient depth of cold air within the housing irrespective of any closure for the opening, a removable closure for said opening including a non-insulating transparent member and means defining ventilating passages adjacent the edges of said transparent member.

2,201,697

GOLF PRACTICING DEVICE

Leslie Thomas Martin and Carroll E. Dodson, Kansas City, Mo.

Application June 12, 1939, Serial No. 278,620
7 Claims. (Cl. 265—21)



1. A golf practice device comprising a base; a scale on the base; a tubular arm mounted on the base and provided with a longitudinal slot; a plunger slidably carried within the arm; a pointer on the plunger extending through the slot and overhanging said scale; means for yieldably maintaining the plunger at one end of its path of travel; a flexible cord having one end thereof secured to the plunger; a ball attached to the other end of the cord; and means for releasably securing the plunger and pointer at any one of a number of stations along the path of travel thereof, said tubular arm being pivotally secured at one end thereof to the base, the plunger being movable outwardly from the other end of the arm when force is exerted on the ball by driving the same along a line substantially parallel to the longitudinal axis of the arm and in a direction outwardly from said other end of the arm.

2,201,698

LUMINESCENT MATERIAL AND METHOD OF PREPARATION THEREOF

Alfred H. McKeag, Middlesex, England, assignor to General Electric Company, a corporation of New York

No Drawing. Application March 6, 1939, Serial No. 260,149. In Great Britain March 16, 1938
1 Claim. (Cl. 250—81)

The method of preparing a luminescent cadmium chlorophosphate containing manganese which comprises heating a mixture of components including a cadmium salt, a manganese salt, magnesium chloride and a compound of phosphorous and oxygen.

2,201,699

MAGNETIC STRUCTURE FOR DYNAMO-ELECTRIC MACHINES

Thomas G. Myers, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California

Application December 21, 1936, Serial No. 116,929
2 Claims. (Cl. 171—252)



1. A top stick for closing the slot in a magnetic structure for dynamo-electric machines, comprising a member formed of a mixture of divided particles of magnetic material and a non-metallic binder, and a reenforcing member integrally joined to the first mentioned member and made solely from the same material as forms the said binder, said reenforcing member overlying the first mentioned member.

2,201,700

ABRASIVE COMPOSITION

Henry P. Nelson, Yonkers, N. Y.

No Drawing. Original application August 20, 1935, Serial No. 36,970. Divided and this application January 18, 1939, Serial No. 251,529
4 Claims. (Cl. 51—280)

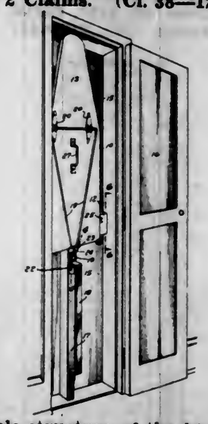
1. An abrasive composition including particles of abrasive material and a binder therefor comprising the reaction product of a magnesium oxychloride cement and zinc sulphide.

2,201,701

WALL INSET IRONING TABLE

Carl E. Newstrom, Marcell, Minn.

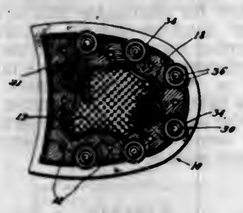
Application August 27, 1938, Serial No. 227,167
2 Claims. (Cl. 38—129)



1. In a table structure of the kind described, a rectangular frame having an intermediate transverse cross tie beam, and below said beam a vertical post extending therefrom to the bottom of said frame, an ironing board hinged to said cross tie beam for movements from upturned inoperative position to horizontal operative position and conversely, a vertical guide strap on said post cooperating therewith to form a vertical guide-way, and a supporting leg hinged to the under side of said board with its lower end slidably mounted in said guide-way, said leg engaging the bottom of

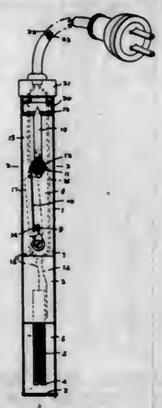
said guide-way to limit the downward movement of said board to projected operative position, and which supporting leg is a triangular formation with a transverse upper portion hinged to the bottom of the board and having downwardly converging side members that terminate in inturned trunnions and a roller that is journalled on said trunnions and works in said guide-way.

2,201,702
PNEUMATIC HEEL
Bernard Rubel, New York, N. Y.
Application August 13, 1938, Serial No. 224,717
7 Claims. (Cl. 36—35)



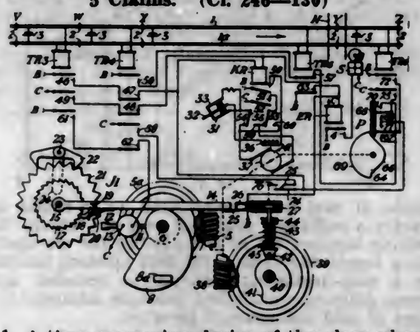
1. A heel for a shoe comprising a resilient body portion having a central opening and an insert of relatively greater resiliency arranged with the said opening, said insert being secured by the inner edge of its peripheral wall throughout its circumference to the inner edge of the wall of the said opening and arranged therein in spaced relation to its walls and projecting outwardly thereof, whereby the projecting insert portion may dispose itself, when trod upon within the said space.

2,201,703
THERMOSTATICALLY CONTROLLED IMMERSION ELECTRIC HEATER
Warren M. Sage, Toronto, Ontario, Canada
Application October 30, 1937, Serial No. 171,876
8 Claims. (Cl. 219—41)



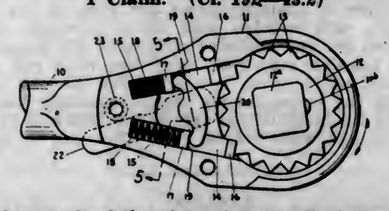
1. In an electric heater of the tubular immersion type having an electric heating unit and a thermostatic control unit, a block of insulating material rigidly connected with and mounting said electric heater and control unit in segregated relation respectively on opposite ends thereof, the whole forming a rigid assembly insertable into or removable as a unit from the tubular portion of the heater.

2,201,704
TIME MEASURING APPARATUS
Paul J. Simmen, Eden, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 14, 1938, Serial No. 208,031
5 Claims. (Cl. 246—130)



1. A time measuring device of the class wherein the movement of a first member against its gravity bias out of engagement with a second member is effected by means of an electric motor operable at a predetermined rate and acting through a cam which is operatively connected by a magnetic clutch with the motor when and only when the motor is controlled to operate in a direction to move the first member against its bias, characterized by the combination with the first member of retarding means for retarding the return of the first member in response to its bias into engagement with the second member, said retarding means including an escapement mechanism effective when and only when the cam is disconnected from the motor and operative independently of the operation of the motor whereby further operation of the motor may be dispensed with or may be utilized to control additional elements of the time measuring device.

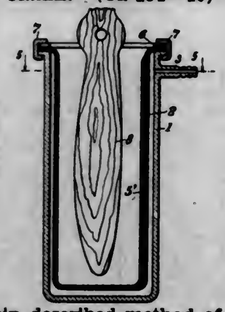
2,201,705
RATCHET WRENCH
Arthur P. Stone, Akron, Ohio, assignor to The Wright Tool and Forge Company, Barberton, Ohio, a corporation of Ohio
Application July 19, 1938, Serial No. 220,016
1 Claim. (Cl. 192—43.2)



A wrench of the character described comprising a wrench-operating head housing therein a rotatable ratchet wheel, said wheel being provided with a plurality of closely spaced triangular teeth, said head having therein slots extending toward said wheel in outwardly diverging direction, the inner ends of said slots being closed and the outer ends thereof opening into the housing for said wheel, pawls slidably fitted into said slots whereby the outer ends thereof may move through the open ends of said slots into engagement with said ratchet wheel, the ends of said pawls being squared to provide triangular portions projecting into said housing to engage the

teeth of said ratchet wheel, said slots and said pawls being of polygonal or non-circular cross-section whereby the pawls slide without rotation in said slots, yielding means between the closed ends of said slots and said pawls for normally urging said pawls into engagement with said ratchet wheel and means for controlling engagement of said pawls with said ratchet wheel, said controlling means comprising a single cam rotatably mounted on said head in a position between said slots intermediate the ends thereof and having portions overlying said pawls above said slots, said pawls having shoulders thereon arranged to be engaged by the overlying portions of said cam whereby either pawl may be urged and locked out of engagement with said ratchet wheel or both may be released by the cam for simultaneous engagement of the ratchet wheel, the outer walls of said slots supporting the pawls throughout their entire lengths when subjected to pressure of the ratchet wheel on the projecting triangular portions of the pawls.

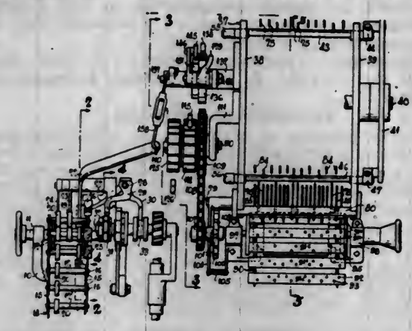
2,201,706
METHOD OF COATING THE BLADES OF AIR PROPELLERS
Heinrich Sukohl, Berlin, Germany
Application November 2, 1937, Serial No. 172,372
In Germany September 21, 1936
2 Claims. (Cl. 154—40)



1. The herein described method of applying a coating to the blade of an air propeller, which consists in expanding under externally applied vacuum a coating in the form of a pouch having a shape similar to that of the blade to be coated, placing the blade to be coated into the said expanded coating, relieving the vacuum and allowing the coating to contract.

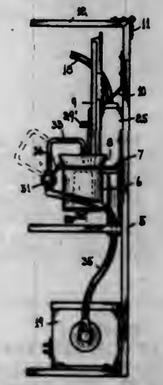
2,201,707
PATTERN MECHANISM FOR DOBBY LOOMS
John A. Talbert and Maurice Hendrick, Cliffside, N. C.
Application April 28, 1939, Serial No. 270,587
4 Claims. (Cl. 139—67)

1. A pattern mechanism for a loom dobby head having dobby fingers for controlling the weaving of a fabric and also having a rocker arm for the operation of said head, comprising a roller disposed below said fingers, a pattern chain having a plurality of linked bars therein disposed on said roller with the uppermost bar normally in engagement with the fingers, a ratchet operatively connected to said roller for driving the pattern chain in one direction, a second ratchet operatively connected to said roller for driving the pattern chain in the opposite direction, a pawl for each of said ratchets and being driven by said rocker arm, the pawl for said first ratchet being normally engaged to rotate the pattern chain forwardly upon each oscillation of the rocker arm and the pawl for said second ratchet being normally disengaged, a box chain and means controlled by said box chain for disengaging said first pawl and engaging said second



pawl with their respective ratchets to cause the pattern chain to rotate reversely, the pawls engaging their respective ratchets at different points in their stroke to thereby rotate the ratchets different amounts.

2,201,708
OIL FLASH TESTER
Frank H. Wight, Lincoln, Nebr., assignor to H. H. Bendixen and W. N. Williams, both of Clinton, Iowa
Application May 9, 1938, Serial No. 206,715
1 Claim. (Cl. 73—50)



An oil tester apparatus comprising, in combination with an electrically grounded support and a container for oil to be tested on the support, means for applying heat to the oil, and a temperature-indicating member arranged to be moved for exposure to the heated oil, a horizontal spring-controlled shaft in bearings on said support, an insulated electrically energised finger carried by the shaft, a second finger carried by the shaft, said second finger being insulated and of metallic construction and provided with a contact-arm, said shaft being rotatable in one direction for moving the fingers into the container to spark-gap position, the arm of the second finger moving into contact with the electrically grounded support to permit the operation of testing the oil, said shaft being rotatable in an opposite direction for moving said fingers to inoperative position.

2,201,709

MANUFACTURE OF ALTERNATING ELECTRIC CURRENT RECTIFIERS

Albert Leslie Williams, Leslie Ernest Thompson, and Roger Harry Cubitt, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

No Drawing. Application February 4, 1938, Serial No. 188,812. In Great Britain February 8, 1937

4 Claims. (Cl. 175—366)

1. The process of manufacture of alternating electric current rectifiers of the kind described which consists in subjecting the body of metal on which a compound of the metal is to be directly formed to a preliminary heat treatment in air at a temperature of between 400° C. and 700° C., and then etching or otherwise chemically treating the surface of the metal, prior to the actual treatment for formation of the compound on the metal, for the purpose specified.

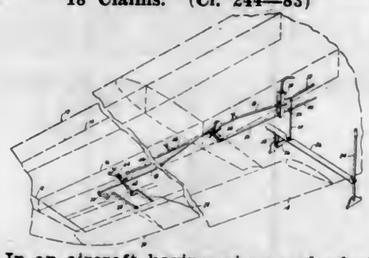
2,201,710

AIRPLANE CONTROL

Rex B. Beisel and Paul S. Baker, West Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application June 25, 1938, Serial No. 215,892

18 Claims. (Cl. 244—83)



1. In an aircraft having wings and selectively useable control instrumentalities associated with said wings for performing the same flight control function, a single manually actuatable control means for operating said instrumentalities, and means for operatively connecting said manually actuatable means with one or the other of said instrumentalities.

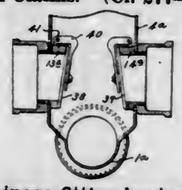
2,201,711

DRAINAGE FITTING

Edward W. N. Boosey, Detroit, Mich.

Application June 21, 1938, Serial No. 214,963

4 Claims. (Cl. 277—60)



4. In a drainage fitting having a body adapted at its lower end for connection with a sewer, said body having apertures in opposite side walls of the casing above the sewer connection, a collar member for each aperture each having a hub end portion and a smaller diameter threaded portion for introduction through the respective aperture from the interior of the casing providing a shoulder between the threaded and hub ends of the collar for engaging the inner face of the casing, and a hub for each collar each adapted to receive a conduit and having a threaded aperture less in diameter than the hub for threaded engagement with the projecting end of the respective collar and providing for the connection of a conduit to the external hub subsequent to assembly with the collar, each of the said collar members having a finished face in the interior of the casing, and a swing check valve mounted on the inner end of each collar member and adapted to close the same on back flow from the sewer into the casing.

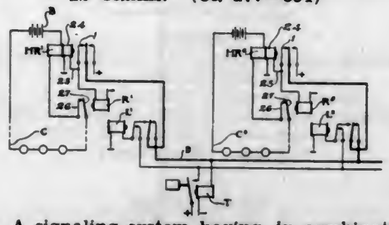
2,201,712

SIGNALING SYSTEM

Frank R. Bridges, Needham, Mass., assignor to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts

Application July 22, 1936, Serial No. 91,825

12 Claims. (Cl. 177—354)



1. A signaling system having, in combination, a plurality of normally closed box circuits, repeater devices controlled by the box circuits, a normally inactive lockout relay for each box circuit having provision for rendering its corresponding box circuit ineffective to control the repeater devices, a time relay having contacts to operate only after an abnormal box circuit remains open for a predetermined time, and connections including the time relay contacts to energize the lockout relays, and means for establishing a holding circuit for the lockout relay of the abnormal box circuit.

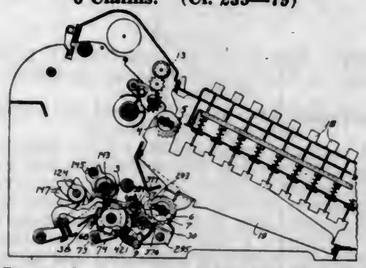
2,201,713

CALCULATING MACHINE

Edwin F. Britten, Jr., Short Hills, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Application September 30, 1939, Serial No. 297,234

6 Claims. (Cl. 235—79)



1. In a calculating machine adapted for multiplication by the repeated registration method and having digit entering means including differential actuators, multiplier control wheels settable by said actuators, and means for counting out values set in said wheels; intermediate transmission gears mounted in fixed ordinal relation to said control wheels, relatively adjustable out of and into mesh therewith and operable by said differential actuators, means for effecting relative adjustment of said intermediate gears and control wheels, and clearing means including zero teeth on the intermediate gears and elements operable in either relatively adjusted position thereof to determine the storage of a constant multiplier value or to effect the setting of the multiplier control wheels in accordance with said value.

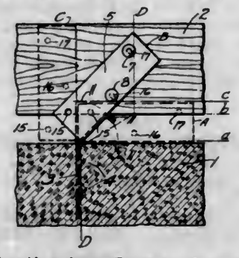
2,201,714

FLOOR ANCHOR

George H. Bugenhagen, Minot, N. Dak.

Substitute for application Serial No. 171,022, October 26, 1937. This application February 9, 1939, Serial No. 255,458

2 Claims. (Cl. 72—101)



1. A combination in a floor anchor for anchoring wood floor nailing strips to concrete subfloors, having a downwardly extended anchor into the aforesaid sub-floor, a pair of separated nailing ears attached to and extending upwardly from the aforesaid downwardly extended anchor having an adjustable shimming ledge fixed to the said separated nailing ears, the said shimming ledge supporting a suitable nailing strip positioned between the said separated nailing ears, the aforesaid nailing strip secured to the said nailing ears, the height of the aforesaid shimming ledge adjusted by changing the position of the separated nailing ears turning on an axis parallel to said shimming ledge and near the surface of the aforesaid sub-floor and transverse to the said nailing strip.

2,201,715

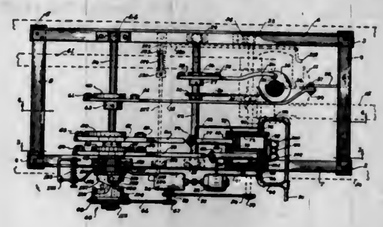
CLUTCH MECHANISM

Alexander Burnett, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Original application August 24, 1937, Serial No. 160,719. Divided and this application May 3, 1939, Serial No. 271,562

3 Claims. (Cl. 192—28)

1. A clutch mechanism comprising a shaft, a wheel rigidly affixed on the shaft, the wheel having a radial cam surface providing a peripheral shoulder and an axial cam surface providing an axial shoulder, a drive disk rotatably mounted on the shaft, the disk being provided with an axial cam surface and a spring-tensioned pivoted pawl detachably engageable with the peripheral shoulder of the wheel, a member slidably mounted on the shaft for longitudinal movement toward and from the wheel, the member being provided with a radial cam surface and with an axial cam surface providing an axial shoulder, the axial shoulder of the member upon movement of the member toward the wheel being adapted to mesh with the axial shoulder of the wheel for timed movement of the radial cam surface of the member against the pivoted pawl to disengage the pivoted pawl from the peripheral shoulder of the wheel and to prevent rotation of the wheel and shaft for one complete revolution of the disk, the axial cam surface of the disk being operable to engage the axial cam



surface of the member following disengagement of the pawl from the shoulder of the wheel to return the member in the direction away from the wheel and means operable to move the member toward the wheel.

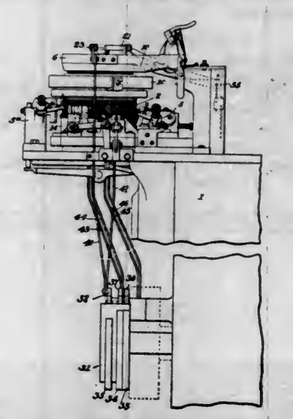
2,201,716

KNITTING MACHINE

Robert Evan Davis, Jr., Fort Payne, Ala., assignor to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey

Application March 3, 1938, Serial No. 193,622

9 Claims. (Cl. 66—41)



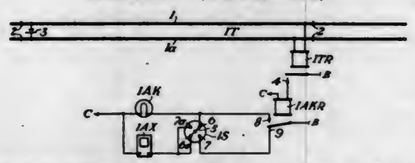
1. A circular plain knitting machine having a single circular series of independently movable needles provided with cam engaging butts, certain needles being provided with selecting shoulders adjacent to the butts thereof, a plurality of knitting cams, located at different points around the series of needles, means adjacent to one of said cams for engaging said selecting shoulders and drawing down certain of said needles and leaving selected needles at a higher level than the remaining needles, separate thread feeding devices adjacent to said cam for feeding an elastic thread to the hooks of said selected needles, and an inelastic thread to the hooks of all of the needles, and separate thread feeding mechanism adjacent to each of the other cams for feeding a separate inelastic thread to the hooks of all of the needles, and means for moving each of said last mentioned cams and their associated thread feeding mechanism into and out of operative position.

2,201,717
SEALED ELECTRICAL DEVICE
Walther Dawihl, Kohlhasenbruck, near Berlin, and Wolfgang Thouret, Berlin-Wilmersdorf, Germany, assignors to General Electric Company, a corporation of New York
Application January 22, 1938, Serial No. 186,420
In Germany February 1, 1937
2 Claims. (Cl. 176—126)



1. In a sealed electrical device comprising an envelope of vitreous material of high silica content having at least one metallic lead-in conductor of a metal of the group consisting of tungsten and molybdenum fused therein and extending outwardly from said envelope, a coating of cement on the said outwardly extending portion of said conductor adjacent to said envelope, the portion of said conductor sealed in said envelope being free from the cement, said cement comprising a finely divided readily oxidizable metallic material, a binder and a filler, said oxidizable material being finely distributed throughout the mass of cement.

2,201,718
TRAIN ANNUNCIATING APPARATUS
Arthur E. Dodd, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 25, 1938, Serial No. 198,096
2 Claims. (Cl. 246—124)



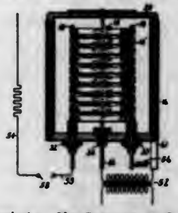
1. In combination with a remotely controlled relay having two contacts a first of which is a front contact closed in the energized condition of the relay and the second of which is a back contact closed in the deenergized condition of the relay, a first indicator having an operating circuit including one of said two relay contacts, a second indicator having a first operating circuit also including said one relay contact and having a second operating circuit including the other of said two relay contacts, and a two position manually operable circuit controller interposed in said first and second operating circuits of said second indicator for selectively conditioning said second indicator for operation by said one or said other relay contact according as said circuit controller is in one or the other of its two positions, whereby said first indicator is operated during the interval said relay holds said one relay contact closed and said second indicator is operated upon a change in the condition of said relay until the circuit controller is actuated to terminate such operation and to condition said second indicator for operation upon further change in the condition of said relay

2,201,719
CURL CLIP
Pearl Eicher, near North Canton, Ohio
Application August 17, 1939, Serial No. 290,655
9 Claims. (Cl. 132—31)



1. A curl clip for securing moistened hair strands of a hair ringlet in position on the head of a person until dry, including opposed gripping arms movably associated with each other, means urging the gripping arms towards each other for gripping therebetween the hair strands at one side of the ringlet, and a hook foot extending from an outer end of one of the gripping arms at an angle thereto and beyond the outer surface of one of the arms, the hook foot being adapted to hook under the ringlet and rest against the head and maintain the clip clear of the ringlet beyond the gripped hair strands.

2,201,720
THERMIONIC CATHODE STRUCTURE
Thomas A. Elder, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 11, 1939, Serial No. 261,395
9 Claims. (Cl. 250—27.5)



3. In an electric discharge tube the combination of an enclosure having an opening, a heater located therein but spacially separated therefrom, a helical ribbon having turns spaced apart and surrounding and spaced away from said heater, a material capable of enhancing electron-emission coating the surface of said ribbon, conductive supports electrically connected to the several turns of said ribbon, and means for electrically insulating said supports from said enclosure, and separate current-conveying conductors respectively for said heater and said ribbon.

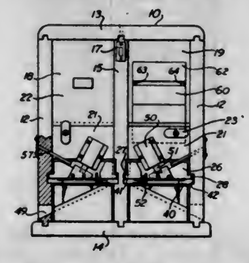
2,201,721
THERMIONIC CATHODE STRUCTURE
Thomas A. Elder, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 11, 1939, Serial No. 283,803
8 Claims. (Cl. 250—27.5)



1. A thermionic cathode for electric discharge

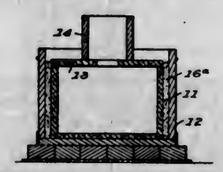
devices comprising supports spaced apart, a continuous ribbon providing a plurality of zigzag activated metallic ribbon elements mounted on the periphery of said supports to form a cage-shaped structure, said ribbon elements having generally planar emitting surfaces and being arranged spaced apart with openings between adjacent edges, and means for heating said ribbon elements to an electron-emitting temperature.

2,201,722
VENDING MACHINE
Basil McLean Frith and George Eric Gwynne-Craig, Vancouver, British Columbia, Canada
Application May 15, 1937, Serial No. 142,924
In Canada February 5, 1937
5 Claims. (Cl. 194—93)



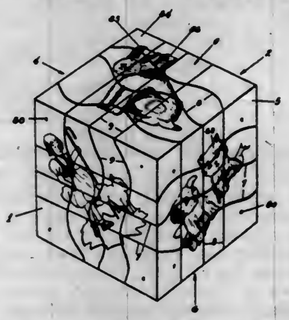
1. A vending machine comprising a cabinet, a package compartment in the cabinet, a drawer slidably mounted in the compartment adjacent the bottom thereof, an extension at the rear of the drawer extending beyond the compartment, said extension having an enlarged recess therein with one side bevelled, a plate spaced from said bevelled surface having a slot therein, a chute adapted to convey a coin of a certain denomination to the space beneath the slot in the plate, means for holding the coin beneath the slot in the plate while the drawer is closed, and a lock mounted on a stationary support having a latch adapted to project into said slot permitting the drawer to be only partially opened when no coin rests beneath the plate, said latch being held inoperative when a coin rests beneath the slot in the plate to permit the drawer to be fully opened.

2,201,723
CAST REFRACTORY BLOCK AND METHOD OF PRODUCING THE SAME
Gordon S. Fulcher, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky.
Application September 28, 1937, Serial No. 166,155
4 Claims. (Cl. 49—79)



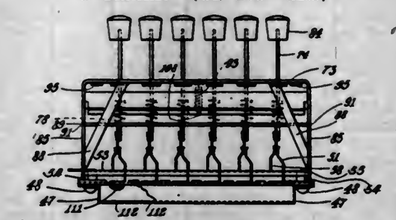
1. The hereinbefore described method of casting and solidifying a refractory block from molten material which comprises pouring the molten material into a mold having the intended shape and size of the cast article and thereafter during solidification, turning the casting and mold around a horizontal axis.

2,201,724
TOY BLOCK AND PUZZLE
Charles E. Gable, Detroit, Mich.
Application July 7, 1937, Serial No. 152,333
6 Claims. (Cl. 273—160)



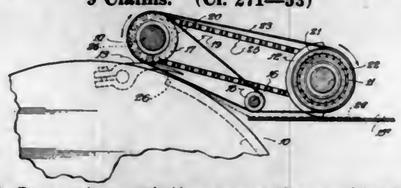
6. A puzzle comprising a polyhedron divided along three continuous paths starting from three adjacent exterior faces and continuing through to the three opposite exterior faces, the path through one face being disposed in a vertical direction, the second path through an adjacent face being disposed in a horizontal direction, and the third path through a third adjacent face being disposed in a vertical direction and at substantially right angles to the first two paths.

2,201,725
ELECTRICAL DEVICE
Frank W. Godsey, Jr., North Adams, Mass., assignor to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts
Application January 18, 1938, Serial No. 185,596
4 Claims. (Cl. 175—41.5)



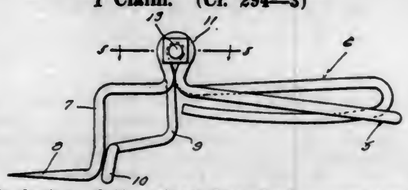
3. An automatic capacity selecting device comprising a metal base, a plurality of adjustable stacked condensers symmetrically disposed in two or more rows on one side of said base, each of said condensers having at least two electrodes and a dielectric between said electrodes, insulating strips secured to said base, one electrode of each condenser of one row being secured to one insulating strip, an apertured metal bar disposed alongside said insulating strip insulatingly secured to the other side of said base and forming a common terminal for the condensers of each row, a plurality of switch fingers integral with said bar and formed from the material removed from its apertured positions, a plurality of switch fingers complementary to said first fingers passing through the apertures of said bar and individual for each electrode secured to said strip, insulating means normally disposed between said complementary fingers said means provided with electrical conducting portions, and means to selectively actuate said insulating means and interpose said conducting portions between the complementary switch fingers.

2,201,726
OVERFEED CONTROL FOR PRINTING PRESSES
Charles Grundhoefer, Chicago, Ill.
Application February 1, 1939, Serial No. 254,103
9 Claims. (Cl. 271—53)



1. In a rotary printing press, the combination with a cylinder, a paper sheet runway adjacent the same, and an overfeed unit for the sheet; of means movable over the path of the sheet between said unit and the cylinder to guide the sheet onto the surface of the cylinder, said means comprising a series of laterally-spaced belts, and a drive to move the lower runs thereof in the direction and at the speed of the sheet.

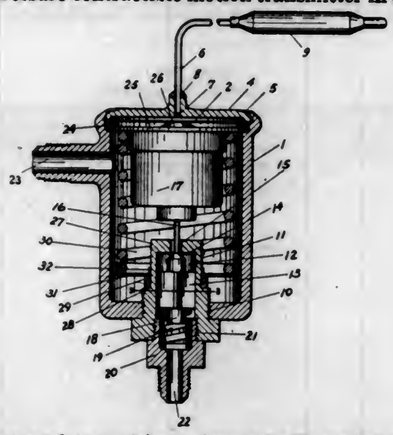
2,201,727
TONGS
Oliver H. P. Henry, Sullivan, Ill.
Application October 13, 1938, Serial No. 234,829
Renewed February 14, 1940
1 Claim. (Cl. 294—3)



A device of the class described comprising a pair of members, one member being of substantially U-shape to provide a pair of spaced limbs, the outer end of each limb being bent twice at right angles to provide a depending portion and an outwardly extending portion, said outwardly extending portions being pointed to form tines, and each limb being bent, adjacent the bent end to form an upstanding loop, the second member being of substantially U-shape with one limb longer than the other and said long limb being bent to form an upstanding loop, the forward limb of the loop extending downwardly beyond the short limb of the second member and then bent outwardly at right angles to provide a forwardly extending portion, the free end of which is bent into a transverse loop which is located adjacent the inner ends of the tines, when the device is closed, and a pivot bolt passing through the three loops formed on the two limbs of the first member and the long limb of the second member, the second member fitting between the limbs of the first member with the limbs of the second member arranged in a plane at right angles to the limbs of the first member.

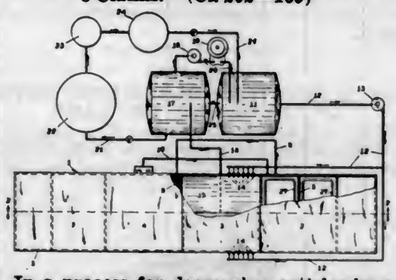
2,201,728
THERMOSTATICALLY CONTROLLED EXPANSION VALVE
Anthony F. Hoesel, Chicago, Ill., assignor to Peerless of America, Incorporated, Chicago, Ill., a corporation of Illinois
Application July 30, 1938, Serial No. 222,126
1 Claim. (Cl. 236—92)

In a thermostatically controlled expansion valve the combination of a casing having an inlet and an outlet, a valved passage comprising, in part, a movable valve, between said inlet and said outlet and controlling the rate of refrigerant circulation therebetween responsive to the demand of a flexible thermostatic means, a space between said movable valve and said thermostatic means, a pressure contractible motion transmitter in said



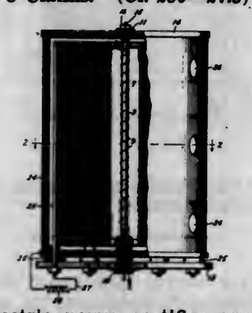
space and comprising a hermetically sealed bellows member having a definite extended length at external pressures below a predetermined maximum, a compression spring within said bellows and tending to maintain the extended length between spaced abutments and abutment means to limit the contraction of said bellows member at external pressures above the predetermined maximum.

2,201,729
DEGREASING METAL AND LIKE NONABSORBENT ARTICLES
Norman Roy Hood, Weston, Runcorn, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application January 9, 1939, Serial No. 249,885
In Great Britain January 12, 1938
3 Claims. (Cl. 202—169)



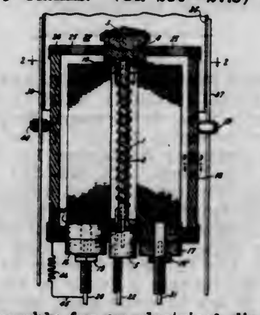
2. In a process for degreasing articles by subjecting them to three stages of treatment comprising a first stage bath of hot volatile liquid grease solvent, a second stage consisting of jets of liquid grease solvent, and a third stage treatment with solvent vapor, the improvement which comprises maintaining the grease solvent in two separate circuits, one circuit comprising removing of hot liquid solvent from the first stage, vaporizing the same for use in the third stage, condensing the vapor after use and returning the condensate to the first stage; the second circuit comprising collecting the solvent from the second stage, submitting a portion to a centrifugal action sufficient to remove material in almost colloidal suspension therein, submitting the remainder of the solvent to distillation and returning both portions of the thus purified solvent to the second stage.

2,201,730
THERMIONIC CATHODE STRUCTURE
Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 11, 1938, Serial No. 213,228
3 Claims. (Cl. 250—27.5)



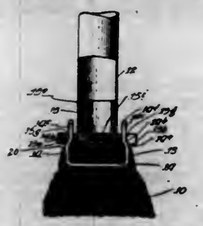
1. An electric power rectifier comprising an envelope, a charge of gas therein, cooperating electrodes, one of which is a cathode operating at an elevated temperature at which thermionic electron emission occurs, a consumption circuit subject to overloads connected to said electrodes, an electrically conductive heat shield closely adjacent said cathode, said shield so closely surrounding said cathode as to be subject to disruptive discharges during abnormal conditions, a circuit connected between said cathode and said heat shield, said circuit having a sufficiently high impedance to substantially prevent such arcing.

2,201,731
DISCHARGE TUBE ELECTRODE ASSEMBLY
Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 30, 1938, Serial No. 243,101
9 Claims. (Cl. 250—27.5)



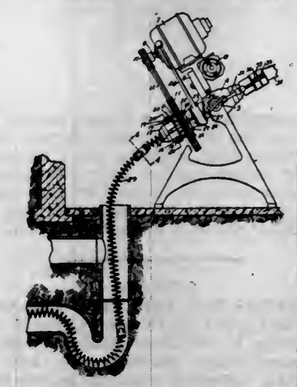
7. An assembly for an electrical discharge device comprising the combination of an apertured enclosure constructed to provide a steep, transverse heat gradient through the wall thereof, an unshielded filamentary radiation heater supported therein, conductors for supplying an energizing current to said heater, a plurality of electrically connected foil strips arranged about said heater in said enclosure and spaced from one another in position to be heated by direct heat radiations from said heater but not wholly shielding said enclosure from such radiation, said strips being provided with activating material for enhancing electron emission, support means for said strips arranged in non-heat-conveying relation to said heater, and a load circuit conductor connected to said strips.

2,201,732
MOP HOLDER
Theodore Johnson, Chicago, Ill.
Application December 16, 1937, Serial No. 180,252
11 Claims. (Cl. 15—147)



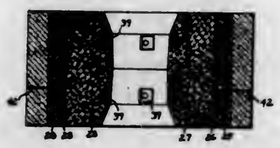
8. The combination with a mop unit, comprising a mop swab, a base therefor and means compressively and releasably securing said swab to the underside of said base; of a handle carrying member mountable on said base for pivotal movement relative thereto, said member including means for releasing said securing means upon the pivoting of said member in one direction, and means thereupon engageable with said securing means to lock said member and unit together by the expansive force of said swab.

2,201,733
BORING MACHINE
Karl J. Kollmann, Erie, Pa.
Application February 17, 1936, Serial No. 64,306
2 Claims. (Cl. 15—104.30)



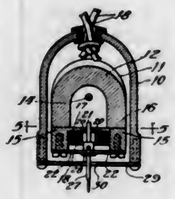
1. In a power driven portable sewer cleaning machine, in combination, adjustable clutching members adapted to grip and rotate open helically wound boring rods, a motor for rotating said clutch members in a forward or a reverse direction, and a comparatively long, flexible guide tube disposed rearwardly of said clutching members having the interior portion thereof helically grooved to engage the open helical turns of said open helically wound boring rod.

2,201,734
PULPSTONE
Carl L. Leafe, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 9, 1938, Serial No. 212,625
In Great Britain May 23, 1938
4 Claims. (Cl. 51—206)



1. An integral pulpstone comprising a reinforced Portland cement concrete center portion, and an outer portion integrally joined thereto and comprising Portland cement concrete embedding and bonding abrasive aggregates each one of which consists of a number of discrete abrasve particles bonded together with a vitrified ceramic bond.

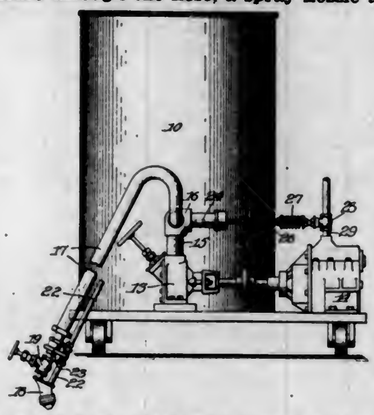
2,201,735
RECORDING HEAD
Carl Loeb and Morris A. Gilman, Chicago, and Carl Anderson, Oak Park, Ill., assignors to Actino Laboratories, Inc., a corporation of Illinois
Application June 3, 1939, Serial No. 277,272
7 Claims. (Cl. 179—100.41)



1. In a recording head, a frame, means responsive to variations in an electric current for varying a magnetic field, a spring plate member carried in said frame, an armature fulcrumed upon said spring member and supported thereby within said field for lateral pivotal movement, and a cutter member secured to said armature.

2,201,736
APPARATUS FOR APPLYING A PLASTIC INSULATING COMPOSITION
Orville V. McGrew, Chicago, Ill.
Original application December 10, 1936, Serial No. 115,254. Divided and this application May 24, 1937, Serial No. 144,559
1 Claim. (Cl. 91—45)

Apparatus of the class described comprising a supply tank to receive a semi-fluid insulating composition, a rotary pump mechanism located immediately adjacent the bottom of the tank and taking suction from the bottom of the tank, the pump being adapted to remove the semi-fluid composition in successive small increments, a hose connected to the pump, said pump being adapted to propel the composition under high pressure through the hose, a spray nozzle at the



end of the hose, and a compressed air connection on the spray nozzle.

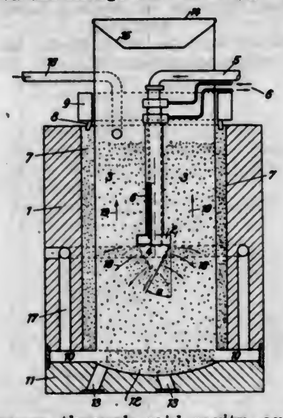
2,201,737
CAR ROOF WITH MOVABLE SECTIONS
Wendel J. Meyer, Philadelphia, Pa., and Thomas W. Demarest, Onley, Va., assignors to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 27, 1939, Serial No. 253,030
19 Claims. (Cl. 105—377)



1. In a railway car, the combination with a car body and a roof therefor comprising movable sections normally abutting endwise, but relatively shiftable vertically out of endwise-abutting relation, and when so shifted also relatively movable lengthwise of the car into telescoping relation, one over another, at either end of the car, of means for supporting one of said roof sections from the car body, after vertical shifting thereof, during relative movement of the sections into telescoping relation as aforesaid.

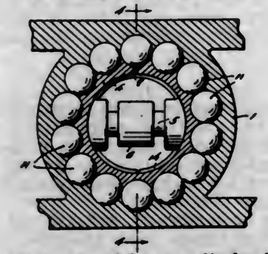
2,201,738
PROCESS FOR EFFECTING REDUCING METALLURGICAL REACTIONS
Pierre Nève, Sclaigneaux, Belgium
Application December 23, 1937, Serial No. 181,441
In Germany September 13, 1937
3 Claims. (Cl. 266—25)

1. Process for carrying out reducing metallurgical reactions by the combustion of carbon in a shaft furnace, comprising moving a charge containing carbon in infusible form downwardly through the furnace, forming at about the center of the furnace a cavity in the charge in the form of an inverted cone, by flowing the charge around an obstacle in its path at that point and causing a portion of the charge to flow along the angle of the repose of the cavity, passing gaseous oxygen into said cavity, and distributing said oxygen gas by means of the conical wall of the cavity uniformly in the charge, thus producing combustion, reduction and melting phenomena at the middle portion of the charge by heat produced by burning part of the carbon mixed in the charge with the oxygen supplied



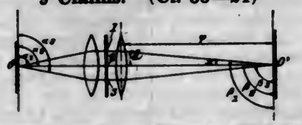
to said charge, through said cavity, and reduction of the charge by another part of the carbon in the charge.

2,201,739
PISTON
John H. Nicholson, Chicago, Ill.
Application March 28, 1939, Serial No. 264,617
2 Claims. (Cl. 309—1)



1. An engine comprising a cylinder having longitudinal grooves therein, a piston operable in the cylinder and having longitudinal grooves therein opposed to the first named grooves, said grooves being substantially semi-circular, the lands between the cylinder grooves and between the piston grooves tapering to substantially knife edges, ball bearings mounted on the piston in the grooves therein and operable in the cylinder grooves, and means for retaining said ball bearings against longitudinal movement in the piston grooves.

2,201,740
METHOD FOR PRODUCING COPIES OF LENTICULAR COLOR PHOTOGRAPHS
Charles Nordmann, Paris, France
Application March 9, 1938, Serial No. 194,922
In France March 13, 1937
9 Claims. (Cl. 88—24)

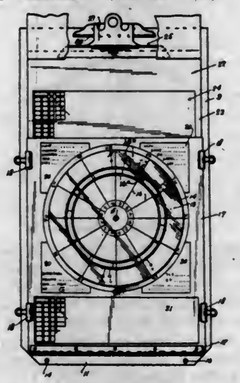


1. An apparatus for making a set of elementary monochromatic copies of a lenticular color photograph, which comprises, in combination an optical system adapted to be interposed between said lenticular photograph and the copies to be obtained, a diaphragm for successively masking all but one of the respective monochromatic images, said diaphragm being inserted in said optical system, so that said optical system is divided into two portions, a front portion located before said diaphragm and a rear portion located behind said diaphragm, the focal length of said rear portion of the optical system being substantially greater than the focal length of said front portion.

2,201,741
POLYMERIC MATERIALS
John K. Owens, Buffalo, and Arthur G. Scroggie, Kenmore, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 3, 1938, Serial No. 233,118
9 Claims. (Cl. 18—48)

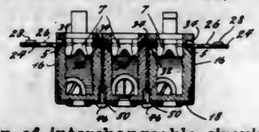
1. A process for improving the resistance of synthetic linear polyamides towards discoloration on exposure to light or heat which comprises treating said polyamides with a solution of alkaline reagent having a concentration equivalent to that of sodium hydroxide solution of from about 0.01 per cent to 5 per cent concentration.

2,201,742
ZODIAC RECKONER
Thomas Anderson Peirce, Fort Worth, Tex.
Refiled for abandoned application Serial No. 115,248, December 9, 1936. This application January 5, 1940, Serial No. 312,584
3 Claims. (Cl. 35—44)



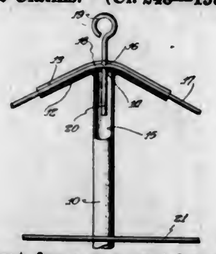
1. Apparatus for reckoning the positions of planets relative to the zodiac comprising a support, a book including a series of leaves having delineated thereon the positions of planets relative to the zodiac during different days of the year, means to secure the book to the base whereby the leaves of the book may be turned to selectively expose the same, a transparent panel pivotally mounted on the base to swing down flat over said leaves for inspection of selected leaves and for adjustment from over said leaves to permit the turning of the same, and a transparent circular dial mounted on the panel to swing therewith down over said leaves for viewing the latter therethrough and through said panel, said dial having the divisional cusp lines of the zodiac and their relative aspect zones and symbols delineated thereon and being rotatable to vary the relative positions of the signs of the zodiac and the said planets.

2,201,743
CIRCUIT CONNECTION COMBINATION
Carl M. Petersen, Morrisville, Pa., assignor to Leviton Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application July 24, 1937, Serial No. 155,387
6 Claims. (Cl. 174—53)



1. A group of interchangeable circuit connection housings arranged side by side in a row, each housing having a wall juxtaposed and parallel to a similar wall of an adjacent housing; means to clamp said housings together along an axis at right angles to said juxtaposed walls; and means, including an interlocking element interposed between each pair of juxtaposed walls, and having portions engaging complementary portions on each of said juxtaposed walls, to prevent movement of said housings as between themselves when they are pressed together; the said clamping means having jaws engaging said opposite end walls and also having flanges extending from said jaws which flanges are adapted to secure said group of housings to a support.

2,201,744
GARMENT SUPPORT
Peter F. Shewbridge, Chicago, Ill.
Application May 31, 1938, Serial No. 210,964
Renewed March 28, 1940
2 Claims. (Cl. 248—158)

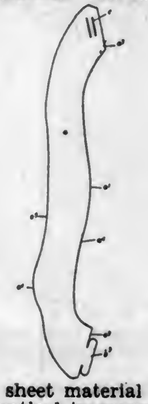


1. A support for a garment hanger having an inverted V-shaped garment supporting portion, comprising a standard, an inverted V-shaped head piece for said standard having a shape corresponding to that of said hanger portion, and said head piece being longitudinally channeled to receive said hanger portion to prevent lateral dislodgment of the same.

2,201,745
ELECTRIC IRON WITH HEAT INDICATOR
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, Chicago, Ill., a corporation of Illinois
Application March 20, 1939, Serial No. 262,948
1 Claim. (Cl. 73—343)

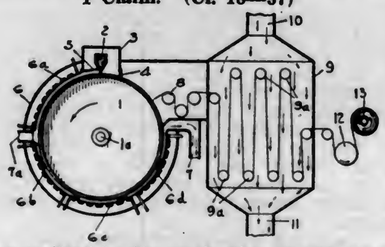
An electric iron with a heat indicator comprising a sole plate, a casting on the sole plate having an opening extending therethrough and a pair of integral arms having their ends aligned with said opening, a shaft pivotally mounted between said arms carrying an indicator arm and an actuating arm and a bimetallic thermal element lying below said arms adjacent the sole plate with one end fixed and the opposite end having an operating connection with said actuating arm.

2,201,746
PACKING SUPPORT FOR SHOES
Thomas Spencer, Waterfoot, Rossendale, England
Application July 18, 1938, Serial No. 219,886
In Great Britain May 12, 1938
2 Claims. (Cl. 12—128)



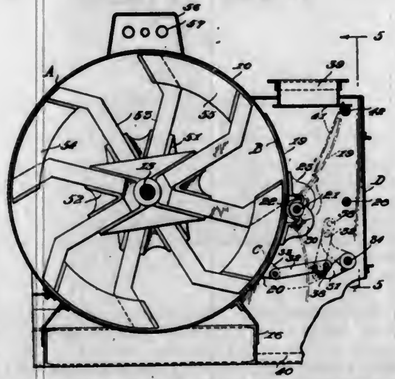
1. A flexible sheet material support for shoes comprising a vertical transversely rounded heel, an upwardly pointing push-out tongue formed in said heel to position and support loose straps of footwear, and vertical longitudinally extending side walls connected to said heel, in combination with a toe portion having a transversely curved upper face all parts of which lie in straight lines longitudinally of the support.

2,201,747
METHOD OF PRODUCING MOISTUREPROOF CELLULOSIC PELLICLES
Ambrose W. Staudt, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 27, 1935, Serial No. 42,445
1 Claim. (Cl. 18—57)



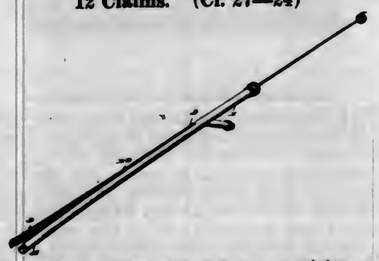
In a method for the production of self-sustaining moistureproof pellicles of an organic acid ester of cellulose which comprises casting an organic cellulose ester composition containing from about 25% to about 35% by weight of plasticizer, from about 0.1% to about 1% of moistureproofing agent, from about 1.0% to about 10% of gum elemi for blending said moistureproofing agent with the other constituents of said composition, the remainder of said composition being an organic acid ester of cellulose, said composition being dissolved in a solvent therefor, maintaining said composition during the casting step at a temperature sufficiently high to retain the moistureproofing agent in complete solution, evaporating the greater part of the solvent from said composition by means of circulating air having a temperature of at least 70° C., stripping the thus formed pellicle from the casting surface, completing the removal of solvent and conditioning said pellicle by means of circulating air having a temperature of at least 80° C. and a relative humidity of between about 10% to about 20%, cooling said pellicle and collecting the same.

2,201,748
ROTARY MIXER
Ernest K. Thomason, Atlanta, Ga., assignor to Atlanta Utility Works, East Point, Ga., a corporation of Georgia
Application December 23, 1938, Serial No. 247,475
7 Claims. (Cl. 259—9)



1. A rotary mixer, including in combination, a stationary cylindrical casing having contiguous inlet and outlet openings in one lateral side, a housing spaced from and surrounding said openings, gates in said housing controlling said openings, means to operate said gates, a controlled supply opening at the top of the housing, a discharge opening at the bottom of the housing, and rotatable flights within said casing and coacting with the internal circumferential surface of said casing to thereby exert a shearing action between the materials being mixed in said casing and said internal surface to eliminate gumming of such surface by said materials when said flights are rotating in a counter-clockwise manner, and assist in ejecting the mixed materials from said casing through said outlet opening when said flights are rotating in a clockwise manner and the gate controlling such opening is in open position.

2,201,749
EXPANDING VEIN TUBE
Middleton Vandegrift, Williamsport, Pa.
Application February 15, 1939, Serial No. 256,587
12 Claims. (Cl. 27—24)

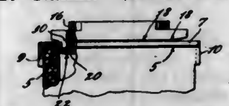


5. An expanding vein tube comprising a tube split to form opposed legs normally biased away from each other, and a plunger slidable within said tube and engaging the inner walls of the legs, said legs being contoured to provide a cooperating engagement with the plunger, whereby movement of the plunger in one direction draws said legs together.

2,201,750
MODIFIED RESINOUS CONDENSATION PRODUCTS OF METHYL VINYL KETONE AND FORMALDEHYDE, AND PROCESS OF PRODUCING SAME
Karl Vierling and Heinrich Hopff, Ludwigshafen - on - the - Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application October 4, 1938, Serial No. 233,190. In Germany October 7, 1937
8 Claims. (Cl. 260—63)

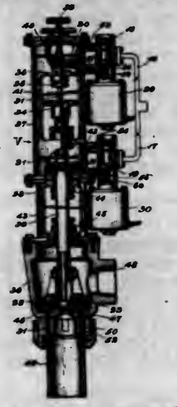
5. Artificial resins comprising the reaction products of water-soluble condensation products of methyl vinyl ketone and formaldehyde with a member of the group consisting of polybasic carboxylic acids and their anhydrides.

2,201,751
BOX AND COVER
Joseph Wertzheiser, New York, N. Y., assignor to Leviton Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application July 24, 1937, Serial No. 155,355
10 Claims. (Cl. 220—3.8)



1. A housing adapted to contain circuit connection means comprising a body portion having side and end walls, said end walls being provided exteriorly thereof with flared slots therein; a peripheral flange supported by and engaging the upper edges of said walls; a cover supported by said flange; means securing the flange to the body portion comprising bifurcated lugs extending downwardly from said flange, the branches of said bifurcated lugs being flared and engaging the complementary walls of said flared slots, and means securing the cover to the flange.

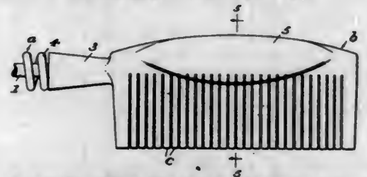
2,201,752
VALVE FOR DISPENSING APPARATUS
Travis W. Winberg, Beaumont, Tex.
Application April 22, 1938, Serial No. 203,681
6 Claims. (Cl. 137—144)



1. A valve structure comprising a relatively

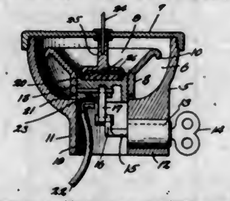
large valve element comprising a relatively small valve seat, a relatively small valve element associated with said seat, motive means associated with each of said valve elements comprising a piston and fluid pressure means, means for controlling said fluid pressure means in a manner whereby closure of said relatively large valve element is effected first and closure of said relatively small valve element is effected second.

2,201,753
COMB
Isaac Leo Wolkow, Louisville, Ky.
Application July 6, 1939, Serial No. 283,105
7 Claims. (Cl. 132—19)



3. A comb of the character described including a back having teeth projecting therefrom, said back having a concaved recess formed in one face and intersecting a portion of the teeth.

2,201,754
MERCURY SWITCH
Joseph B. Worth, Petersburg, Va.
Application July 17, 1939, Serial No. 284,995
4 Claims. (Cl. 200—152)

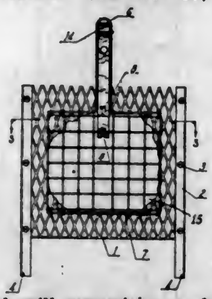


1. A mercury switch comprising a body portion, an annular flange having a flared end, formed within the body portion, an electrode extending into the body portion, a piston operating within the body portion and having a recess, mercury within the recess, means for moving the piston whereby the mercury is brought into contact with the electrode, a wire connected with the piston completing a circuit through the piston and mercury, said mercury adapted to flow over the flared end of the flange breaking the circuit between the electrode and piston when the body portion tilts a predetermined degree, said flange having openings normally closed by said piston, and said openings adapted to permit the mercury to flow into the recess of the piston from the space between the flange and body portion.

2,201,755
HEAT TREATING BATH
Carl Albrecht, Kronberg, in Taunus, Germany, assignor to Deutsche Gold und Silber Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application November 16, 1937, Serial No. 174,841. In Germany December 30, 1936
1 Claim. (Cl. 148—13.1)

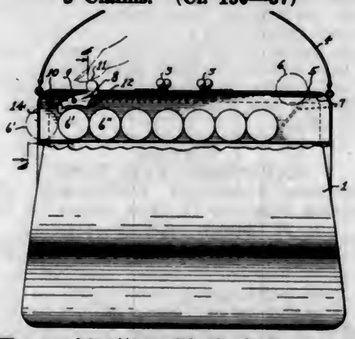
In a process for heat treating metal in a fused salt bath containing a nitrogenous alkali metal salt, the step which comprises periodically adding to said bath an inorganic substance of acidic nature in intimate admixture with a nitrogenous alkali metal salt constituent of said bath in an amount sufficient to constantly maintain said bath substantially neutral whereby metal contacted therewith is not corroded.

2,201,756
CHARCOAL GRILL
Albert J. Avetta, Pittsburgh, Pa.
Application December 14, 1938, Serial No. 245,621
2 Claims. (Cl. 126—30)



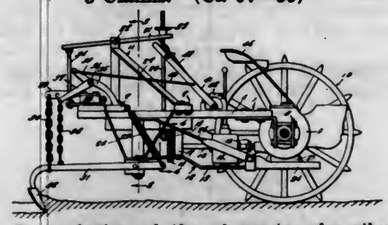
1. A charcoal grill comprising a charcoal supporting basket of expanded metal having end brackets at the sides thereof, joined to the expanded metal, said end brackets having attachments for supporting the basket on its base, and food-supporting brackets extending from both sides of the basket at the top of the basket, said food-supporting brackets having tongues adapted to interact with the expanded metal to support the brackets on the sidewalls thereof.

2,201,757
LADY'S HANDBAG AND THE LIKE
Hans Philip Bender, New York, N. Y.
Application October 26, 1937, Serial No. 171,008
3 Claims. (Cl. 150—37)



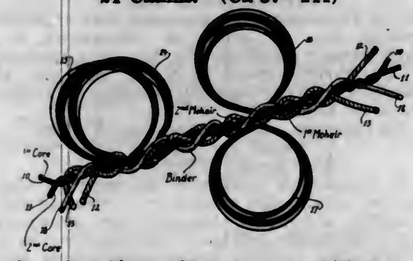
3. The combination with the body of a pocketbook or handbag, a U-shaped bag frame having a hollow cross portion or stiffener serving as a coin receptacle extending across the top of the bag opening, said cross portion having a sloping bottom and having at its top adjacent the shallow end a slot accessible from the outside, said cross portion having a discharge slot at its other end, a spring catch pivoted adjacent and above said last named slot for positioning over a coin and having its under surface concave to fit the top of the coin and providing a stop for the succeeding coin resting on said sloping bottom, and a thumb piece for rocking said catch, whereby a coin thereunder is ejected and the next coin prevented from rolling out.

2,201,758
SOIL CULTIVATING DEVICE
Clarence Brockman, Wayne, Nebr.
Application September 29, 1939, Serial No. 297,169
5 Claims. (Cl. 97—55)



1. In a device of the character described, a main frame mountable on a tractor and extending rearwardly therefrom, furrow forming elements pivotally mounted on the main frame, a raising and lowering means carried by the frame and connected to the furrow forming elements, a variable speed drive means carried by said frame and operated by a power takeoff of a tractor, and means for connecting said drive means to said raising and lowering means.

2,201,759
TWO-COLOR BOUCLÉ
Edwin Bry, Elberon, N. J., assignor to Edwin & Louis Bry, Inc., New York, N. Y., a corporation of New York
Application December 6, 1939, Serial No. 307,741
24 Claims. (Cl. 57—144)

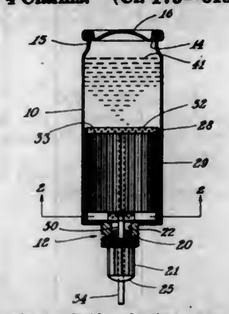


1. A bouclé novelty yarn comprising a first thread and a second thread twisted about each other, a loop formed in said first thread and a loop formed in said second thread, said loops being burst.

2,201,760
MANUFACTURE OF ALKALI METAL CYANIDE
Leslie James Burrage, Liverpool, Lancashire, England, assignor to Imperial Chemical Industries Limited, London, England, a British company
No Drawing. Application November 16, 1937, Serial No. 174,839. In Great Britain November 24, 1936
7 Claims. (Cl. 23—79)

1. A process for the manufacture of alkali metal cyanide which comprises reacting an alkali metal amide with coke produced by carbonizing coal at a temperature of 450 to 650° C. for a period of time not exceeding six hours.

2,201,761
ELECTROLYTIC DEVICE
Joseph L. Collins, North Adams, Mass., assignor to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts
Application January 10, 1938, Serial No. 184,324
4 Claims. (Cl. 175—315)

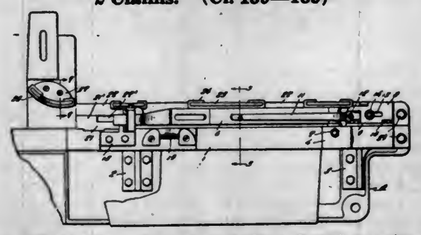


4. In an electrolytic device, an anode and a metal container, a spacer comprising a sheet of insulating material surrounding the anode to separate it from the container, said spacer comprising a fold disjoined from a portion of said sheet and integral with the remainder of said sheet, said fold interposed between the bottom of said anode and said container.

2,201,762
SULPHAMIC ACID SALTS OF POLYMERIC AMINO COMPOUNDS
Martin Eli Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1938, Serial No. 210,531
7 Claims. (Cl. 260—45)

1. A sulphamic acid salt of polymeric amino nitrogen containing substance soluble in 5% aqueous acetic acid, insoluble in water and 5% aqueous ammonia, and capable of being formed into a coherent film.

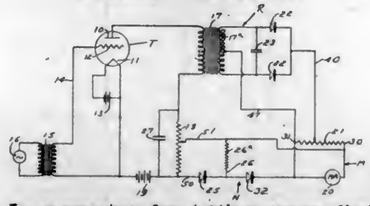
2,201,763
ATTACHMENT FOR LOOMS
Alfred Dubois, Gilbertville, Mass.
Application July 25, 1939, Serial No. 286,478
2 Claims. (Cl. 139—183)



1. Means for changing a drop box loom to an automatic loom comprising an elongated member including a horizontal part forming a rest for a shuttle, a depending front part and a short upstanding flange at the rear edge of the horizontal part, brackets for connecting the member to the loom frame, each bracket including a horizontal part connected to the underside of the horizontal part of the member, an upright pivot member carried by the front portion of the elongated member adjacent the outer end thereof, a binder member having one end engaging said pivot

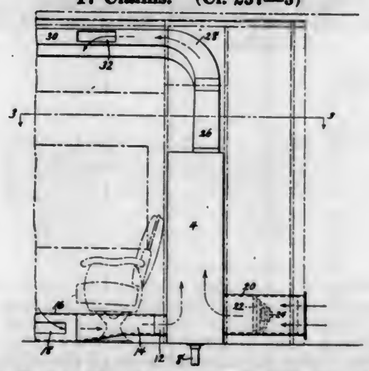
member, a guide for the other end of the binder member attached to the front depending part of the elongated member, an elongated bar attached to the frame in spaced relation to the short upstanding flange and forming with the flange a slot for the picker stick, said bar having overhanging forwardly extending portions and friction means carried by said portions for engaging a shuttle.

2,201,764
TUBE TESTER
George V. Eltgroth, Chicago, Ill., assignor to Bendix Radio Corporation, Chicago, Ill., a corporation of Delaware
Application March 30, 1938, Serial No. 198,877
9 Claims. (Cl. 250—27)



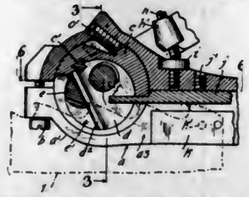
1. In apparatus for testing space discharge tubes, a tube to be tested, a source of power for said tube, connections engaging electrodes of said tube to form a space discharge circuit, an indicating device sensitive to direct current potentials, a rectifier having its input coupled to said circuit and having its output impressed upon said device, and means responsive to the amount of direct current in said circuit for impressing a potential upon said device which increases with increase in said direct current in said circuit and which is opposite in polarity to the potential of said rectifier output.

2,201,765
ALL SEASON AIR CONDITIONING FOR RAILWAY CARS
Herbert D. Euwer, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application November 23, 1936, Serial No. 112,421
17 Claims. (Cl. 257—3)



13. In an air conditioning system for railway vehicles having a passenger space, a recirculated air duct adjacent the lower portion of the vehicle, a supply duct for conditioned air adjacent the upper portion of the vehicle, said ducts extending substantially the full length of the car, lateral openings in said ducts for the substantially vertical exchange of air between the ducts, vertically disposed means adjacent an end of the vehicle for connecting said ducts together, said means housing heat exchange coils and a main blower to move the air through the ducts and through the heat exchange coils and passenger space, and a continuously operating additional blower forcing fresh air at higher than atmospheric pressure into the system in varying volumes and independently of the main blower.

2,201,766
SAW SHAPER
Arthur M. Ferrari, Klamath Falls, Oreg.
Application March 15, 1937, Serial No. 130,983
17 Claims. (Cl. 76—49)



1. In a saw tooth shaper, a pair of compression dies, means for moving said dies towards and from each other, a tooth stop comprising an anvil arranged longitudinally alongside said dies and parallel to the paths of movement thereof spanning the distance between them, said dies and said tooth stop adapted to engage the sides and face of the swaged portion of a tooth and together defining a cylindrical body extending transversely of said shaper.

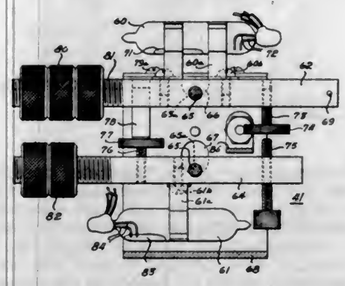
2,201,767
LUBRICATING OIL
James A. Franceway, Jr., deceased, late of Madisonville, Ky., by James A. Franceway, Sr., administrator, Madisonville, Ky., and Garland H. B. Davis, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 2, 1936, Serial No. 88,612
26 Claims. (Cl. 87—9)

1. A process for producing polymers of high molecular weight and soluble in lubricating oils, comprising subjecting substantially saturated oxygen-containing material characterized by a relatively long straight hydrocarbon chain and containing not more than one carboxylic group to a high tension electric discharge for a period sufficient to effect substantial polymerization.

2,201,768
PROCESS FOR PREPARING SYNTHETIC OILS
James A. Franceway, Jr., deceased, late of Madisonville, Ky., by James A. Franceway, Sr., administrator, Madisonville, Ky., and Garland H. B. Davis, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 1, 1936, Serial No. 93,880. In Canada December 22, 1932
6 Claims. (Cl. 204—31)

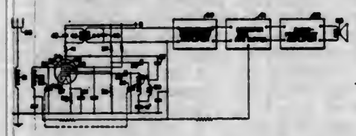
1. Process for preparing improved polymerization and condensation products of high molecular weight, soluble in lubricating oils and having the characteristic of lowering the pour point of waxy lubricating oils when added thereto in small amounts, comprising subjecting a mixture consisting essentially of paraffine wax and about 10% to 20% of an aromatic compound, in liquid phase, to an electric glow discharge of an intensity and for a period sufficient to effect substantial copolymerization of the paraffine wax and the aromatic compound.

2,201,769
SWITCH FOR REFRIGERATING APPARATUS
Charles D. Graham, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 31, 1935, Serial No. 34,028
9 Claims. (Cl. 200—84)



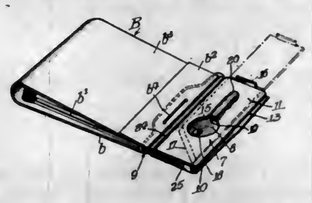
6. A control comprising a hydrometer element, a first switch having contacts and being connected to said element to be responsive to specific gravity of liquid with which said element is associated, a second switch having contacts and being connected by lost motion to said hydrometer element whereby said second switch is responsive to changes in level of said liquid, and means for adjusting said lost motion.

2,201,770
FREQUENCY STABILIZING ARRANGEMENT
Carl-Erik Granqvist, Stockholm, Sweden, assignor to Hazeltine Corporation, a corporation of Delaware
Application October 8, 1937, Serial No. 167,911
In Sweden May 15, 1937
6 Claims. (Cl. 250—36)



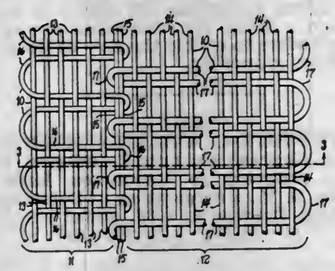
1. A high-frequency oscillator comprising a vacuum tube having input and output electrodes, a frequency-determining circuit coupled to said input electrode, an inductive energy-transfer coupling between said frequency-determining circuit and an output electrode, whereby said oscillator is caused to oscillate at the frequency of said frequency-determining circuit, means for varying the trans-conductance of said tube thereby tending to vary the output frequency of said oscillator, and separate means comprising an energy-transfer coupling having a phase opposite to that of said inductive energy-transfer coupling between said frequency-determining circuit and an output electrode and including reactance and resistance of large impedance relative to said reactance for coupling into said frequency-determining circuit a reactive component variable with said transconductance to compensate said tendency.

2,201,771
CIGAR CUTTER
Alfred Hagelauer, Chicago, Ill.
Application May 15, 1939, Serial No. 273,695
8 Claims. (Cl. 131—251)



1. As a new article of manufacture, a cigar cutter for use with a match book consisting of an elongated strip bent to form a back part and inturned short and long flaps at the ends of the back part and a comb of matches secured to the short flap, said cutter comprising a body member with coacting cigar cutter means, and a bail carried by the body member and adapted to be slid along the long flap and the back part of the match book strip to a point adjacent to the short flap in order removably to connect the body member to the book.

2,201,772
WOVEN TAPE
James A. Hendley, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut
Application June 28, 1939, Serial No. 281,586
2 Claims. (Cl. 139—383)

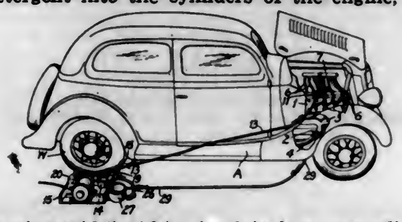


1. A woven tape comprising: first and second sets of warp strands; one or more catch warp strands between said two sets of warp strands; an inelastic weft strand interwoven with said first set of warp strands and looped around said catch warp strands; and an elastic weft strand interwoven with said second set of warp strands and also looped around said catch warp strands but not interlocked with said inelastic weft strand.

2,201,773
METHOD OF REMOVING CARBON AND OTHER DEPOSITS FROM INTERNAL COMBUSTION ENGINES
George Hofele, St. Louis, Mo., assignor to Albert Wehmeier, St. Louis, Mo.
Application December 2, 1938, Serial No. 243,579
4 Claims. (Cl. 141—1)

1. A method of cleaning internal combustion

engines which comprises the charging of a liquid detergent into the cylinders of the engine, and



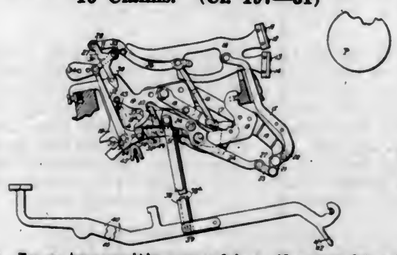
causing said liquid to circulate from one cylinder to another under pressure.

2,201,774
APPARATUS FOR REMOVING CARBON AND OTHER DEPOSITS FROM INTERNAL COMBUSTION ENGINES
George Hofele, St. Louis, Mo., assignor to Albert Wehmeier, St. Louis, Mo.
Original application December 2, 1938, Serial No. 243,579. Divided and this application January 9, 1939, Serial No. 249,985
3 Claims. (Cl. 141—1)



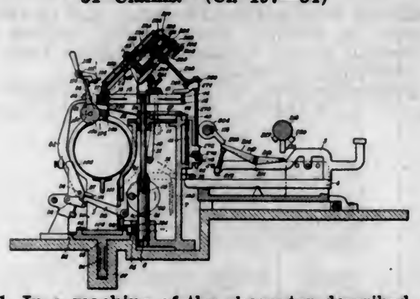
1. In combination with an internal combustion engine, apparatus for circulating cleaning liquid through the engine comprising a pump in communication with the intake manifold of the engine, means for driving the engine by external power and a device for connecting two or more of the cylinders to enable the flow of liquid from one cylinder to another.

2,201,775
TYPEWRITING AND LIKE MACHINE
George K. Howland and Otto E. Hultgren, Elmira, N. Y., assignors to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application October 5, 1938, Serial No. 233,432
16 Claims. (Cl. 197—31)



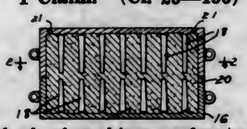
1. In a typewriting machine, the combination of a type action comprising a type bar, two printing keys and means controlled thereby for moving said type bar in different paths depending on which of the printing keys is actuated; and means for preventing a rebound of the type bar from its position of rest comprising a single normally engaged latch, and automatically operating means controlled by said printing keys during initial movement thereof from normal position for releasing said latch before the type bar is actuated by either of said printing keys.

2,201,776
TYPING MACHINE
Harry C. Jones, New York, N. Y.
Application May 2, 1934, Serial No. 723,467
31 Claims. (Cl. 197—84)



1. In a machine of the character described, a carriage, key levers and differential spacing means for moving the carriage different distances on the operation of different key levers corresponding to characters of different width including a differential lever pivoted to and shorter than each key lever, means for swinging the differential lever through a predetermined angle on the depression of the corresponding key lever.

2,201,777
MANUFACTURE OF BURNER ELEMENTS
Victor W. Kliesrath, South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill., a corporation of Illinois
Application January 6, 1938, Serial No. 183,623
1 Claim. (Cl. 25—156)



The method of making perforated refractory articles which comprises forming a paste of refractory material, placing the paste in a mold having series of oppositely disposed pins pairs of which are alined with each other and with their ends spaced apart to leave a web substantially centrally of the material, drying the material in the mold, separating the mold in the plane of the web, removing the material from the mold and firing it, and thereafter punching out the material of said web between the alined sockets formed by each pair of pins.

2,201,778
FASTENING MEANS FOR SECURING RAILWAY CAR LINING
Henry Kump, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 3, 1938, Serial No. 211,674
7 Claims. (Cl. 105—423)

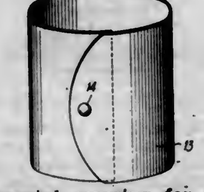
1. In combination with a railway car, a structural metal member, interlocked non-metallic members extending across the said structural metal member, a U-shaped means supporting and securing the lower edge of the lowermost non-metallic member to said structural metal member,

and fastening means engaging the upper edge of said non-metallic members for anchoring the same to the said structural metal member, said fastening means being interlocked with the metal



member and vertically slidable therealong and formed with a tapered prong whereby the said non-metallic members will be drawn tightly against the structural metal member during vertical sliding movement of the said means.

2,201,779
ORNAMENTAL COVERING FOR CONTAINERS
Harvey Lathrop, Forest Hills, Long Island, N. Y.
Application November 10, 1938, Serial No. 239,769
5 Claims. (Cl. 41—34)

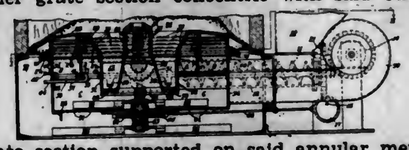


2. An ornamental covering for a cylindrical container with a flat top, such as a tobacco can, comprising a band removably applicable to the side wall of the container, said band having a width substantially equal to the height of the container and a length slightly greater than the circumference of the container, means for holding the band in a position snugly encircling the container with the ends of the band slightly overlapping, and a cover element removably applicable over the flat top of the container, said cover element having a depending cylindrical flange whose inner diameter is great enough to enable the cover element to fit over and enclose the upper edge of said band, said cover element comprising a framework consisting of a flanged disk, a covering of flexible ornamental material extending over the top of the disk and completely enveloping the flange, and a relatively rigid element snugly fitting within the flange to conceal the inner edge of said covering material.

2,201,780
STOKER
Ralph L. Lindemuth, Pittsburgh, Pa.
Application March 9, 1935, Serial No. 10,235
Renewed May 2, 1939
16 Claims. (Cl. 110—45)

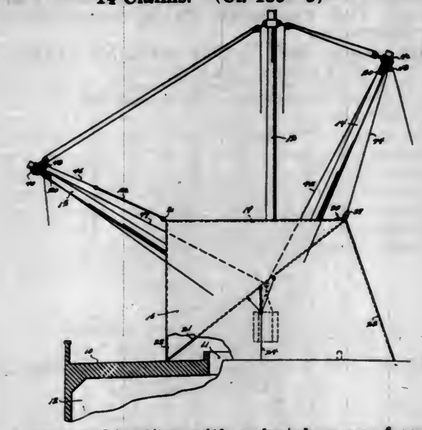
7. A progressive feed stoker comprising a body

having a cylindrical wall, a movable annular member supported by said body within said cylindrical wall, said annular member being spaced from said wall to provide an annular retort therebetween and having a section forming the bottom of said retort, a circular grate section supported on the cylindrical wall of said body, an inner grate section concentric with said outer



grate section supported on said annular member, means for moving said annular member and the grate carried thereby, means for moving said outer grate, means for introducing fuel into the side of said retort, and means associated with said annular member for engaging and distributing the fuel delivered to said retort on movement of said member.

2,201,781
HATCH COVER
Thomas H. MacGeorge, Seattle, Wash., assignor to Seattle Tent & Awning Co., Seattle, Wash., a corporation of Washington
Application August 10, 1936, Serial No. 95,112
14 Claims. (Cl. 135—5)

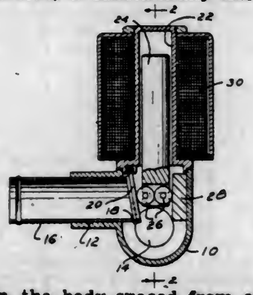


1. In combination with a hatch cover formed with side walls the upper edges of which are separated to define a ridge slot for the operation therein of a cargo line, a block carried by the cover at the end of the slot and adapted for connection with a suspension line for supporting the cover, re-inforcing ropes disposed interiorly of the side walls and attached to and running diagonally from said block to the opposite lower edge of the respective side walls, and means comprised of exteriorly disposed stays directly connected to each of said diagonal re-inforcing ropes and adapted to extend laterally from the side walls for attachment to securing devices on the deck of the vessel.

2,201,782
VALVE
Andrew O. McCollum, Detroit, Mich., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application June 25, 1938, Serial No. 215,717
4 Claims. (Cl. 137—139)

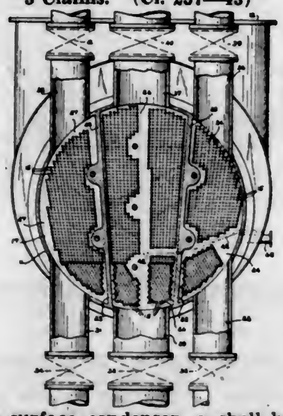
1. A valve comprising a hollow body formed

with inlet and outlet openings, an inlet tube extending into said body and terminating in a circular valve seat, a valve member pivotally mounted in said body and movable into sealing position on said seat, a substantially flat surfaced



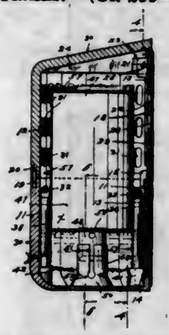
projection in the body spaced from and at an acute angle to the seat, and an operating member movable across the seat and having rollers engageable with the projection and the valve member to wedge the valve member against the seat.

2,201,783
CONDENSER APPARATUS
John W. McNulty, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 11, 1938, Serial No. 213,143
3 Claims. (Cl. 257—43)



3. In a surface condenser, a shell having an exhaust steam inlet and a condensate outlet; a plurality of tubes extending longitudinally through the shell; tube plates at opposite ends of the shell for supporting the ends of the tubes; a first water box structure cooperating with one of said tube plates; a pair of upright partitions within said water box structure for dividing the interior thereof into first, second, and third chambers extending generally vertically from top to bottom of the water box and with the second chamber arranged between the first and third chambers; an inlet connection for the lower portion of each chamber; an outlet connection for the upper portion of each chamber; a second water box structure associated with the other of said tube plates; a partition within said second water box structure for dividing the interior thereof into two chambers extending generally vertically from top to bottom of the water box, the plane of the last-mentioned partition being substantially midway of the planes of the first-mentioned partitions and the three partitions separating the tubes into first, second, third, and fourth groups; a valve in each of said connections for controlling the flow of water therethrough; a baffle in the shell and cooperating with the lower portion of the latter at one side to define an air cooler space; said baffle extending inwardly from the shell and incorporating lower portions of the first and second groups of tubes in said air cooler space; a partition in one of the chambers of the second water box structure for dividing such chamber into upper and lower compartments and the partition being substantially alined with said baffle, whereby water passing through the lower portion of the first group of tubes is constrained to flow entirely through the lower portion of the second group of tubes and vice versa; and an air offtake connection communicating with said air cooler space.

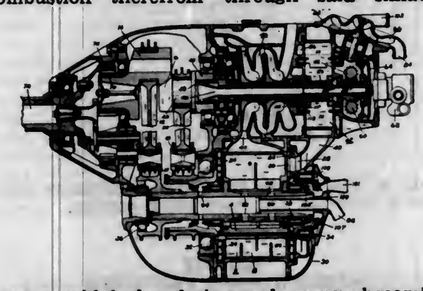
2,201,784
DISINFECTOR
Roy A. Myers, St. Paul, Minn.
Application February 27, 1939, Serial No. 258,764
9 Claims. (Cl. 299—22)



1. A device of the kind described comprising a bowl having a recessed back, a hood-like lid for the bowl having an open back, a wall plate the lower end portion of which is fitted into said recess, the upper end portion of said plate affording a closure for the open back of the lid, said plate having a hook-like member arranged to be interlocked with the rim portion of the bowl by endwise sliding movement of the wall plate in the recess, and means operable from the back of the wall plate for detachably securing the bowl thereto.

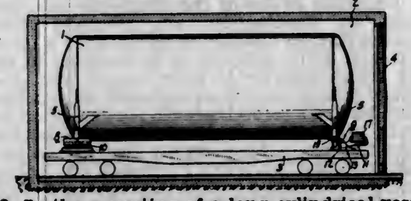
2,201,785
ENGINE
Alfred M. Ney, South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill., a corporation of Illinois
Application September 1, 1937, Serial No. 161,896
12 Claims. (Cl. 123—18)

1. In a two cycle engine having a cylinder containing oscillating members adapted to move in opposite directions and with said cylinder forming four combustion chambers between the oscillating members, a driven shaft connected to both of the oscillating members and driven continuously in one direction by oscillation of said members in opposite directions, means to supply a rich mixture of fuel and air to the combustion chambers, means to move the oscillating members to compress the charge, means to ignite the charge, exhaust means to permit discharge of the products of combustion from the combustion chambers, a blower, and free air inlet means connected to the blower to admit air to the combustion chambers to discharge the products of combustion therefrom through said exhaust



means, said fuel and air supply means becoming operable only after the exhaust means has moved to the closed position but prior to the closing of the free air inlet means and the compressing of the charge.

2,201,786
EQUALIZER SUPPORT FOR ENAMELED TANKS DURING FIRING
Eric H. Nilson, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 18, 1937, Serial No. 148,866
3 Claims. (Cl. 91—60)



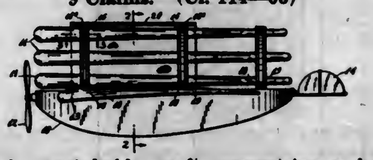
2. In the mounting of a long cylindrical vessel, two spaced supports at each end thereof each supporting substantially an equal weight of the vessel, one of said supports having a substantially vertically moveable saddle supported by a lever which is counter-balanced to maintain a constant distribution of load on the supports.

2,201,787
ADJUSTABLE BRACKET
Alfred Peckham, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application June 29, 1939, Serial No. 281,932
7 Claims. (Cl. 156—19)



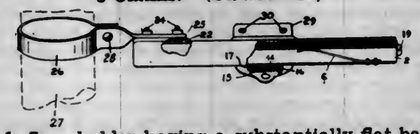
1. A bracket for swinging curtain rods or the like comprising a sheet metal base having a hole therein to receive an attaching screw or the like, and a pair of ears bent upwardly from the base to form a cam receiving recess extending along a line in a direction substantially radially of said hole, a cam fitted between said ears and having an eccentrically disposed hole to receive an attaching screw or the like, said base having a slot extending between said ears and in register with said eccentrically disposed hole of said cam to permit pivoting of said base about the hole in said base as an axis, an eyelet extending through said eccentrically disposed hole of said cam and said slot to retain said cam in position, and a slot in the side of said cam to receive a screw driver to rotate said cam.

2,201,788
NONSINKABLE CRAFT
John Picco, New York, N. Y.
Application January 26, 1939, Serial No. 252,879
9 Claims. (Cl. 114—68)



1. A nonsinkable craft, comprising a hollow body adapted to float, a plurality of buoyant elements for said body to assist in buoying said body in the event it should become partially or completely filled with water, and means for adjustably supporting said buoyant elements transversely of said body so that they may be shifted to the side of said body requiring the greatest amount of buoyance comprising groups of tracks mounted transversely of said body at spaced positions along the length thereof, each group of tracks consisting of an inside track element, an outside track element spaced slightly from said inside track element, said buoyant elements having a diameter greater than the distance between said track elements and formed to provide grooves therein of sufficient depth to fit between the track elements and of a width to engage the opposite sides of said track elements to prevent longitudinal movement of said buoyant elements relative to said track elements.

2,201,789
MEMORANDUM PAD HOLDER
John D. Robilotto, New York, N. Y.
Application June 17, 1939, Serial No. 279,621
5 Claims. (Cl. 281—44)

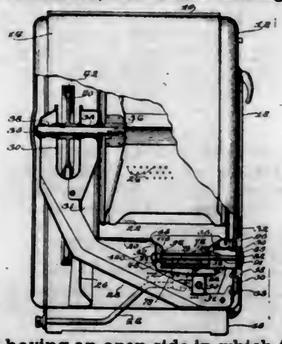


1. In a holder having a substantially flat back and top, end and bottom edges bent upwardly and flanged over, a pad and spring means resisting movement of said pad from said holder, a table and fastener secured to said holder secured to and on a plane with the lower flanged over edge of said holder and yielding bosses below said table for a pencil adapted to force and hold said pencil against the under surface of said table.

2,201,790
DRAIN ASSEMBLY FOR WASHING MACHINES AND THE LIKE
Everett W. Rouch, Detroit, Mich., assignor to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application June 29, 1937, Serial No. 150,973
17 Claims. (Cl. 210—149)

1. A drain screen unit adapted to be placed in

a liquid outlet including in combination a perforate screen open at one side and closed at its other sides and at its ends, and an imperforate shield paralleling and spaced a relatively short distance therefrom, the shield having one end



open and having an open side in which the screen is arranged, said screen receiving liquid at its open side so that the liquid follows a path through the screen and then between the screen and shield and out through the open end of the shield.

2,201,791
BOTTLE CLOSURE
Maurice Samburg, New York, N. Y.
Application January 5, 1939, Serial No. 249,365
Renewed February 21, 1940
20 Claims. (Cl. 215—7)



20. In combination, with a container having an elongated neck, a section of the neck being provided with a legend indicating that the container has been opened, a circumferential bead on said neck above said legend, a band surrounding said neck section, said band having its upper peripheral edge turned inwardly to constitute a flange, a compression spring extending between said bead and flange and effective, upon its expansion, to move said band upwardly along the container neck, to uncover the legend, an expansible spring within the band adapted to expand upon such upward movement of the band, means upon said band to prevent its retrograde movement along the neck, said means abutting the expanded spring, and a closure cap upon the end of the container neck.

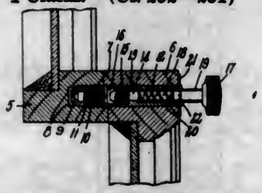
2,201,792
COVERED SLIDING CLASP FASTENER
Josef Kuna, London, England
Application November 5, 1938, Serial No. 239,131
In Czechoslovakia September 9, 1938
12 Claims. (Cl. 24—205)

1. A mounting tape for fastener elements comprising two strip portions having continuous adjacent edges in spaced relation, said strip portions being connected by an intermediate open work portion having slat elements joined at opposite ends to said strip portions, the points of connection of said slat elements with one of said strip portions being on one face thereof



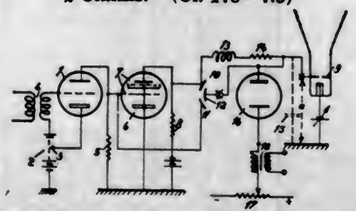
along a line spaced from the continuous edge thereof adjacent the open work portion.

2,201,793
WINDOW SASH FASTENER
Chester O. Sanborn, Everett, Mass., assignor to Charles Richenburg, Everett, Mass.
Application June 5, 1939, Serial No. 277,356
1 Claim. (Cl. 292—251)



A fastening device of the character described having, in combination, an internally screw threaded thimble adapted to be seated in a frame member, a barrel adapted to be mounted in another frame member to align axially with said thimble, a locking member mounted in said barrel and having a screw threaded portion embodied therein adapted to engage the threaded portion of the thimble, a knob rigidly fastened to said locking member, a sleeve surrounding the locking member and slidable within the barrel, an outer extremity thereof abutting against said knob, a face plate, means to clamp said plate to the outer face of said barrel and also constitute a bearing for said slide within the barrel, and a compression spring carried by the locking member within the barrel and interposed between an abutment therein and the inner extremity of said sleeve, whereby the threaded portion of the locking member is confined within the barrel while disengaged from the thimble.

2,201,794
RECTIFIER FOR TELEVISION SIGNALS
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application March 13, 1937, Serial No. 130,718
In Germany March 19, 1936
2 Claims. (Cl. 178—7.3)



1. In combination an electronic amplifier including at least an anode, a control grid and a

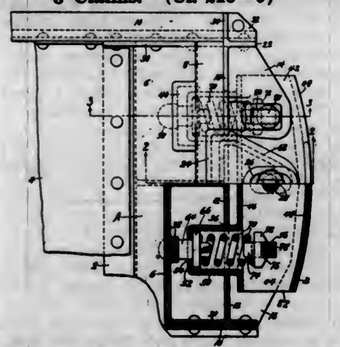
cathode, having an input and output circuit, a filter circuit and means for balancing out carrier frequency oscillations, said filter circuit and said means being arranged in said output circuit, said means for balancing out consisting of a differential condenser having one rotor and two stators, one stator being connected to said input circuit which rectified carrier oscillations with modulation signals are applied to, the other stator being connected to the anode of said amplifier, said rotor being connected to the output terminal of said amplifier, said filter circuit being arranged between said stator connected to said anode and said rotor and having a low impedance to the modulation signals and a high impedance to the carrier oscillations.

2,201,795
AUTOMATIC TRAFFIC SIGNAL DEVICE
Erwin Schnurpfeil, Chicago, Ill.
Application August 8, 1938, Serial No. 223,573
3 Claims. (Cl. 200—59)



1. An electric signal switch comprising two companion disk-like members of insulating material adapted to be mounted one on a column and the other on a post rotary in the column, one member having a collar and means for securing it to the column, concentrically arranged curved metal strips secured in the face of one member and having binding posts extending therefrom thru the member to its opposite face, adapted to have a conductor fastened on each binding post, the other member having a collar and means for securing it to said rotary post to turn therewith, and a contact element with resilient arms and including a contact point in engagement with the inner curved strip also contact points on said arms selectively engageable with either one of the other contact strips upon turning of said rotary post.

2,201,796
SPRING BUMPER AND DRAWHEAD
Ernest R. Schroeder, Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 21, 1937, Serial No. 154,691
8 Claims. (Cl. 213—9)

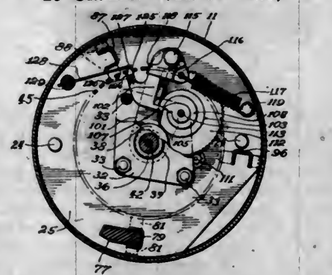


1. A bumper and drawhead device for mine cars comprising in combination with a car end member, a combined bumper and drawhead element slidably supported by the end member, a plurality of extensions projecting rearwardly from the element, springs within the extensions, front follower means between the springs and said element, rear follower means between the springs and said end member, said front and rear follower means being movable relative to the end member and element upon application of buffing and draft forces respectively to said element to compress said springs whereby to resiliently resist said forces.

2,201,797
PROCESS OF PRODUCING MOLDING COMPOSITION FROM LIGNIN AND FORMALDEHYDE
Clarence W. Scott, Moss Point, Miss.
No Drawing. Application October 22, 1937, Serial No. 170,393
3 Claims. (Cl. 260—67)

1. A process of producing a molding composition from the lignin contained in black liquor which comprises passing waste combustion gases through the black liquor to precipitate the lignin, washing the lignin in acidulated water, dissolving the lignin with ammonia in water, and reacting with formaldehyde.

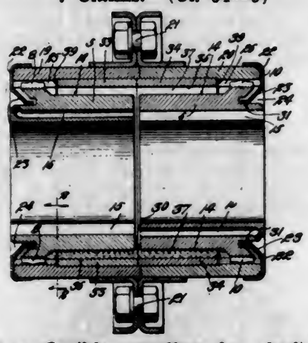
2,201,798
CIRCUIT CONTROLLER
Ray W. Scott and Andrew O. McCollum, Detroit, Mich., assignors to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application April 12, 1937, Serial No. 136,512
19 Claims. (Cl. 74—125)



11. In combination, a pair of spaced apart front and rear supports having an intermediate support located therebetween and supported by the rear support, a controller mounted for rotation in said front and intermediate supports, means including a wheel having axially projecting teeth loosely mounted on said shaft and connected to said shaft through a one-way drive operable to transmit movement to said shaft, a constant speed motor secured adjacent said rear support, means mounted between said rear and intermediate plates and driven by said motor for periodically actuating said wheel a predetermined distance in said one direction, said means including a lever pivotally mounted coaxially of said shaft on said intermediate support, a shoulder formed intermediate the end of said lever, a second lever pivotally mounted on the free end of said first mentioned lever and extending radially toward the axis of said shaft, a projecting shoulder formed thereon correspondingly located adjacent the first mentioned shoulder, a second projection formed thereon projecting radially outward and adapted to enter between the teeth formed on said wheel, a cam driven by said motor adapted to engage the first

shoulder, a second cam driven by said motor adapted to engage the second shoulder, means including a spring acting on said second lever adapted to maintain the shoulders in engagement with their respective cams, said cams and shoulders being so constructed and arranged that the radially outward extending projection is moved radially in between the teeth by said second mentioned lever, then angularly in said one direction by the action of the spring on said first mentioned lever, then radially out of position in between the teeth by said second mentioned lever, and finally returned to its initial position by the action of the cam on the second mentioned lever.

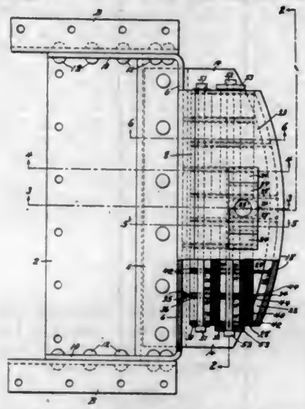
2,201,799
FLEXIBLE COUPLING
John J. Serrell, deceased, late of Elizabeth, N. J., by Florence A. Serrell, executrix, Elizabeth, N. J., and Robert A. Smith, Mahwah, N. J.; said Florence A. Serrell assignor to said Smith
Application February 25, 1939, Serial No. 258,440
7 Claims. (Cl. 64—9)



1. In a flexible coupling for shafts, a hub mounted on each shaft, each hub being provided with external gear teeth, a casing surrounding said hubs and provided with internal gear teeth corresponding to and meshing with the external gear teeth, means permanently attached to the casing for substantially closing the casing down to the hubs outside the two pairs of gear teeth, and a removable sleeve-form lining composed of a plurality of sections located within the casing and filling substantially all the space axially between the two pairs of gear teeth but not transmitting torque therebetween, the inner diameter of the sleeve being substantially equal to the root diameter of the external gears, forming a stationary fluid-lubricant space a substantial portion of which is of smaller radius than the root radius of the external gear teeth, and serving to guide when the coupling is rotating substantially all the lubricant to the intermeshing gear teeth.

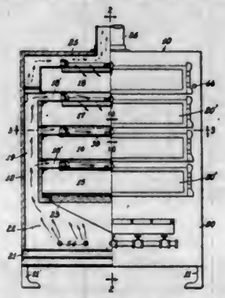
2,201,800
CAR BUMPER
Robert A. Shields, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application May 21, 1937, Serial No. 143,891
17 Claims. (Cl. 213—9)

1. In a bumper for mine cars the combination of, an end member, a plurality of metallic plates carried by the end member, a bumper directly supported by the end member, a plurality of metallic plates carried by the bumper, and rubber cushions bonded to the plates, each cushion being bonded to one end member carried plate and to one bumper carried plate and acting in shear to resist bumper movements, certain of said plates



moving under bumper force into direct contact with the end member to check the bumper movement and thereby limit the shear action to which the rubber cushions may be subjected.

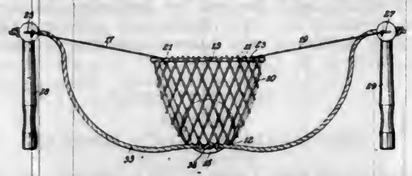
2,201,801
BAKING OVEN
George Stavrou, Brooklyn, N. Y.
Application April 12, 1939, Serial No. 267,374
12 Claims. (Cl. 107—55)



1. An oven for baking bread and the like comprising outer walls, a plurality of spaced, superimposed compartments forming an intermediate heat conducting space with said walls, said compartments having a front portion common with one of the walls, a combustion chamber disposed at the bottom of the compartments, means in the intermediate space adapted to control the flow of heat from the oven to the outside thereof, and a plurality of independently, manually operable means mounted in each compartment adapted to be depressed into each compartment to regulate the flow of heat from the oven into the compartments.

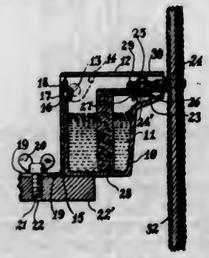
2,201,802
GAME
Albert Steiner, Union City, N. J.
Application March 8, 1939, Serial No. 260,509
11 Claims. (Cl. 273—96)

1. A device for playing games with a ball comprising a net adapted to retain the ball, a plurality of elastic means connected to opposite portions in the top of the net, a plurality of non-elastic means in connection with opposite portions in the lower part of the net, and a plurality of manually operable means in connection with the elas-



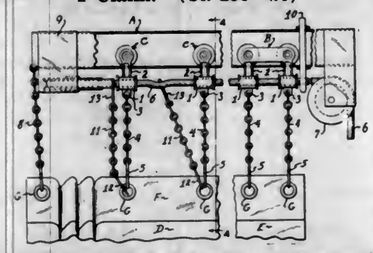
tice and non-elastic means adapted to be drawn away from each other for actuating the net.

2,201,803
LUBRICATOR
Albert H. Todd, Bayside, Long Island, N. Y.
Application December 28, 1937, Serial No. 182,051
4 Claims. (Cl. 184—15)



1. In a lubrication system for rapidly moving stranded cables, a container for lubricant, a felt or other suitable conductor disposed within said lubricant and arranged to project substantially perpendicular and partly surrounding and in spaced relation yet within close proximity to said stranded cables.

2,201,804
CURTAIN OPERATING MECHANISM
Victor H. Volland, St. Louis, Mo.
Application May 29, 1939, Serial No. 276,390
1 Claim. (Cl. 156—20)



In curtain operating apparatus the combination of a horizontal tubular frame formed with a longitudinal slot in its bottom wall and trackways on each side of said slot, master and intermediate carriers mounted on the trackways and having tubular rope supporting members through which a curtain operating rope passes, chains extending from the tubular members and engaging the curtain, auxiliary members comprising drag links slidably engaged on the operating rope adjacent each intermediate carrier, flexible means comprising chains extending directly from the drag links to engagement with the curtain, said drag links being adapted to automatically tilt into gripping contact with the operating rope by the movement of said rope, said drag links being forced into gripping contact with the rope by the weight of the curtain, and stops at each end of the trackway which stop the travel of the drag links and thereby disengage the same from the operating rope.

2,201,805
OUTLET VALVE
Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 19, 1938, Serial No. 185,739
1 Claim. (Cl. 137—21)



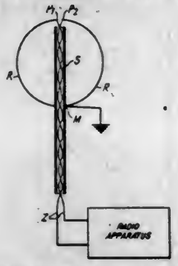
An outlet valve for tank cars comprising in combination, an outlet casting having a valve seat and a concentric bore, a valve formed of upper and lower parts, the upper valve part including a seating face for engaging with said valve seat, a centrally positioned downwardly projecting concentric lug, and an annular depending flange spaced intermediate of the seating face and lug, said lug being formed with a threaded bore and a transverse slot and said depending flange being provided with an outwardly facing shoulder to provide an annular groove, a packing element in said groove of greater width than said shoulder and projecting below same, a lower valve part including a plate like body formed with a flat upper marginal edge portion for engaging the projecting portion of said gasket for compressing the same into sealing contact with the concentric bore of the outlet casting, an upwardly projecting annular central portion for seating about said lug, a centrally positioned depending tubular portion having a plurality of radiating guide wings, and a clamping bolt extending through the depending tubular portion of said lower valve part and threaded into the bore of said lug, said bolt having a lock pin extending transversely therethrough seated in the slot in said lug and a nut threaded onto the outer end thereof for clamping the valve parts together.

2,201,806
METHOD OF UNITING METAL SURFACES
Leonard A. Young, Detroit, Mich.
Application October 22, 1938, Serial No. 236,587
6 Claims. (Cl. 10—86)



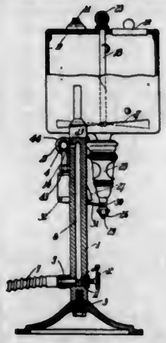
1. The method of forming a nut from relatively flat stock having a core of relatively hard metal and a covering of relatively softer and more ductile metal by the application of mechanical pressures, which comprises forming a generally cylindrical blank from said flat stock, and upsetting said blank whereby the blank is permanently changed in form with the ends thereof anchored in a layer of said relatively softer and more ductile metal and the exposed surfaces covered with said relatively softer and more ductile metal.

2,201,807
DIRECTION FINDER LOOP
Walter Berndt, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 31, 1936, Serial No. 118,458
In Germany November 9, 1935
7 Claims. (Cl. 250—33)



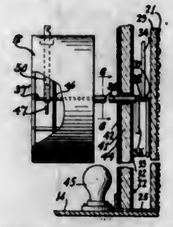
1. In a directional antenna system to be used with radio frequency wave energy having substantially no antenna effect, a rotatable loop aerial comprising at least substantially one conducting turn with two open terminal ends, said loop being adapted to be energized by radiant wave energy and positioned with its open terminal ends at the highest mechanical point on said loop to electrically maintain a point of relatively low radio frequency potential, a connection at a central point on said conductor intermediate its terminal ends forming a point of relatively low potential, leads connecting said terminals to high frequency apparatus, and a metallic shield having its axis located in the central plane of said loop and extending within the confines of the loop aerial for enclosing and electrically shielding said leads.

2,201,808
DEVICE FOR DISPENSING LIQUIDS
Frederick William Berwick and Albert George Berwick, Streatham, London, England, assignors, by mesne assignments, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application February 3, 1938, Serial No. 188,550
In Great Britain February 12, 1937
7 Claims. (Cl. 225—26)



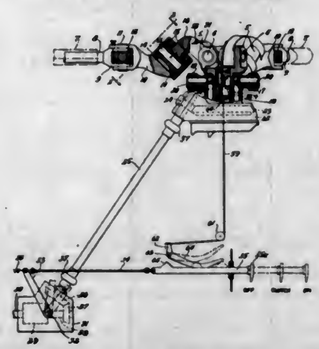
1. Apparatus for dispensing liquids comprising a standard, a framework carried by said standard, storage vessels mounted in said framework, a device for delivering measured quantities of a first liquid depending from each of said storage vessels, means for supplying a second liquid through said standard and said framework, and means for simultaneously operating any of the said devices for delivering measured quantities of the first liquid and a second liquid supply device, by the upward pressure of the receptacle to be filled.

2,201,809
DISAPPEARING CLOCK DISPLAY APPARATUS
Marshall Brown, Chicago, Ill., assignor of one-half to Richard Kamm, Chicago, Ill.
Application April 10, 1939, Serial No. 267,017
8 Claims. (Cl. 40—132)



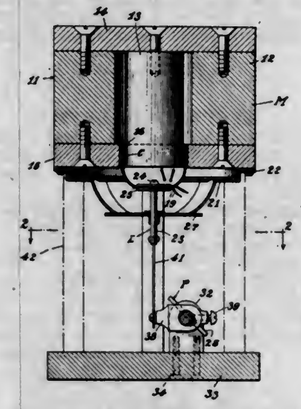
6. A disappearing display device comprising spaced front and rear display means each bearing a part of companion display indicia thereon, said front indicia being normally visible by the light coming from the front of the device, light diffusing means between said front and rear means, a clock dial connected to the rear display means, clock hands for the dial traveling in the space between the front and rear display means, and means rearward of said rear means for intermittently illuminating the dial and hands and rear display indicia, whereby the same are displayed intermittently with said front display indicia.

2,201,810
ROTARY WINGED AIRCRAFT
Harris S. Campbell, Willow Grove, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application March 7, 1938, Serial No. 194,268
19 Claims. (Cl. 244—18)



1. In an aircraft sustaining rotor having a hub and a blade, pivot means articulating the blade to the hub comprising a pivot having its axis angled with respect to a plane perpendicular to the axis of the hub and passing a line joining the center of gravity of the blade and the axis of the hub in a forwardly offset position with respect thereto when the blade is in true radial position.

2,201,811
SCANNER
Stewart L. Clothier, East Orange, and Harold C. Hogencamp, Irvington, N. J., assignors to Kolorama Laboratories, Inc., Newark, N. J., a corporation of New Jersey
Application June 1, 1938, Serial No. 211,142
5 Claims. (Cl. 178—7.6)

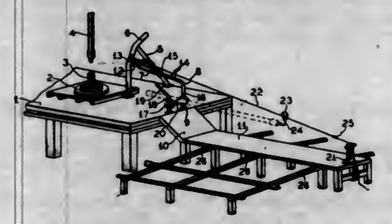


1. In combination a dynamic unit having a coil movable in an annular magnetic field and responsive to electrical impulses, a member connected for movement axially with said coil, a pivotally movable scanning mirror, and means connecting the said member and mirror to oscillate the latter and compensating for the arcuate movement of the mirror in translating the linear movement to oscillating motion.

2,201,812
PROCESS OF CONCENTRATING AND DIALYZING WASTE PULP LIQUOR AND THE PRODUCT THEREOF
Friedrich Konrad Daniel, Kew Gardens, N. Y.
Application July 17, 1939, Serial No. 284,844
24 Claims. (Cl. 260—124)

7. A novel vacuum concentrated waste wood pulp liquor material comprising the substantially unchanged high molecular weight colloidal substances contained in the original liquor, from which has been removed a substantial proportion of the low molecular weight substances contained in the original liquor.

2,201,813
DEVICE FOR LAYING PIPE AT AN OIL RIGGING
Charles A. Doud, Alta Loma, Tex.
Application February 12, 1938, Serial No. 190,159
3 Claims. (Cl. 214—1)

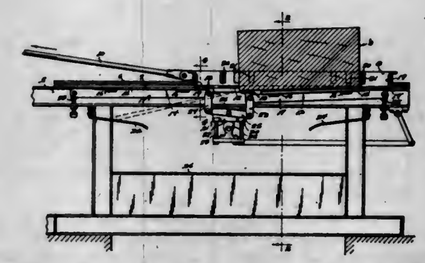


1. An arrangement for laying pipe as it is removed from the drill stem in a borehole which comprises a cable stretched from a point adjacent the point of removal of said drill stem from the borehole to a remote point, said cable being sloped downwardly toward said remote point, a pulley riding on said cable carrying means adapted to receive the end of a length of drill stem and a support arranged adjacent the point of removal of said drill stem from the borehole adapted to support a length of the drill stem after one end of the latter has been carried toward said remote point by said receiving means.

2,201,814
PROCESS OF DYEING
John Gwynant Evans, Henry Alfred Piggott, and Clarence Sydney Woolvin, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 11, 1935, Serial No. 15,910. In Great Britain April 19, 1934
6 Claims. (Cl. 8—74)

1. A process for increasing the fastness of dyeings upon textile fiber with azo dyes, which comprises treating the textile fiber in a dilute aqueous solution of a salt selected from the group consisting of sulfonium and phosphonium salts of inorganic acids, the sulfur or phosphorus atom, respectively, being further substituted to its full valency by organic radicals, at least one of which contains an alkyl chain of at least 10 carbon atoms.

2,201,815
SHAKE SPLITTING MACHINE
Albert W. Hendricks and Donald H. Clark, Seattle, Wash., assignors to Totem Shake Corporation, Seattle, Wash., a corporation of Washington
Application April 4, 1938, Serial No. 200,024
7 Claims. (Cl. 144—193)



7. In a machine for splitting shake bolts, in combination with a transversely extending double-edge knife and a pair of bolt-supporting bed members located at opposite sides of the knife below the splitting plane of the knife to alternately receive the bolt as the bolt traverses the knife, means acting to carry the bolt in reciprocatory travel from one to the other of said bed members through the plane of the knife edges, said bed members being pivotally mounted at their outer ends to obtain depression of their inner ends about said pivots as axes by the weight of the bolt delivered thereto, and connection between the inner free ends of said bed members comprising balance linkage acting automatically in response to the depression of the inner end of either of the bed members upon reception of the bolt thereby to elevate the inner end of the other bed member.

2,201,816

TRIMETHINE CYANINE DYES DERIVED FROM 4-METHYL-QUINOLINE DERIVATIVES

Edmund B. Middleton, New Brunswick, and George A. Dawson, North Brunswick Township, Middlesex County, N. J.

No Drawing. Application January 19, 1937, Serial No. 121,374
4 Claims. (Cl. 260—240)

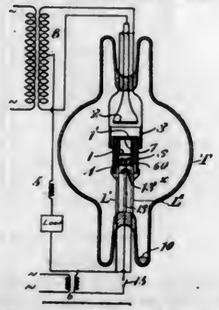
1. A 1,1'-dialkyl-7,8,7',8'-di-Bz-4,4'-carbocyanine salt.

2,201,817

ELECTRONIC DISCHARGE METHOD AND APPARATUS

Charles G. Smith, Medford, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application September 9, 1925, Serial No. 55,262
80 Claims. (Cl. 250—27.5)



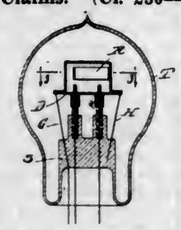
1. An electrical discharge device comprising an envelope provided with electrodes including an anode and a cathode, said cathode containing a cavity having an opening for the escape of electrons, the size of which is a small fraction of the area of the inner surface of the cavity, a solid activating material in said cavity, and a material contained within said envelope which at the operating temperature of said device has a gas pressure within the range of about one to one hundred microns of mercury, said cathode and anode being spaced apart to permit ionization therebetween and said cathode operating at a temperature at which rectification is dependent upon thermionic emission and providing thermionic emission to maintain the discharge between cathode and anode.

2,201,818

ELECTRONIC DISCHARGE DEVICE

Charles Grover Smith, Medford, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application February 16, 1926, Serial No. 88,558
Renewed August 3, 1929
20 Claims. (Cl. 250—27.5)



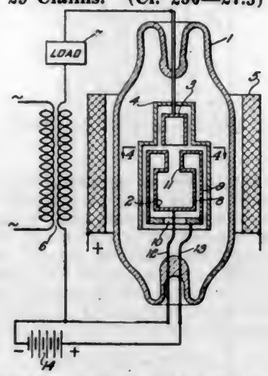
1. A gaseous conduction device comprising an envelope containing an attenuated atmosphere, a hollow cathode, forming a cup, a disk closing the cup, spaced apertures extending through the disk, a plurality of anodes projecting through the apertures into the cup, and a thermionically active surface projecting from the cup interiorly thereof and opposed thereto, forming an intervening gas space between the said thermionically active surface and the said cup interior, the width of said space being of the order of that of the dark space which would exist in the absence of one of said surfaces.

2,201,819

ELECTRONIC DEVICE

Charles G. Smith, Medford, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application March 5, 1925, Serial No. 13,145
Renewed August 23, 1933
29 Claims. (Cl. 250—27.5)



14. A gaseous discharge device comprising a tube containing gas, an anode and a hollow cathode having therein a discharge opening having a diameter of the order of the mean free path of gas molecules outside the opening, and means for maintaining the gas pressure inside the hollow cathode higher than outside the cathode.

2,201,820

CHOCOLATE PRODUCT

Paul T. Zizinia, Belmar, and Thomas L. McKenna, Newark, N. J.

No Drawing. Application December 24, 1937, Serial No. 181,600
10 Claims. (Cl. 99—23)

8. The method of converting chocolate liquor containing cocoa butter and fiber into altered physical form, which comprises mixing said chocolate liquor with water at a temperature at or above the melting point of the cocoa butter, forming a substantially stable emulsion of the mixture, finely subdividing the emulsion, and drying the individual particles so formed to remove the previously added water therefrom.

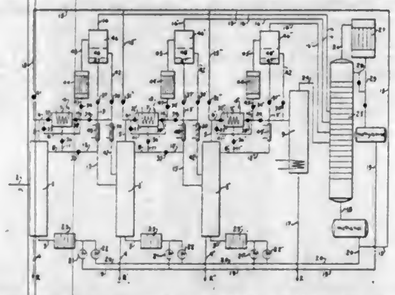
2,201,821

PROCESS OF SEPARATING HYDROCARBON MIXTURES

Chester E. Andrews, Overbrook, and Merrell R. Fenske, State College, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

Application October 21, 1938, Serial No. 236,138
7 Claims. (Cl. 196—13)

1. The process of separating mixtures of hydrocarbons containing molecules of different types and weights, which comprises dissolving said mixture in a methylamine solvent, reducing the dissolving capacity of the solvent in stages so as to form a series of raffinates and a final extract, the reduction in dissolving capacity in each



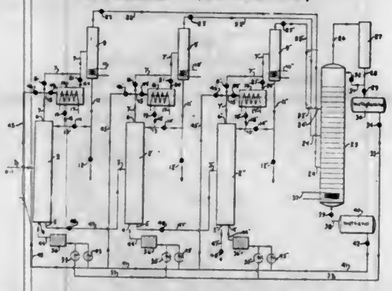
stage being such that the first raffinates formed contain predominantly paraffinic hydrocarbons of high molecular weight range, the final raffinates containing predominantly naphthenic hydrocarbons and the extract predominantly aromatic hydrocarbons.

2,201,822

PROCESS OF SEPARATING HYDROCARBON MIXTURES

Chester E. Andrews, Overbrook, and Merrell R. Fenske, State College, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

Application October 22, 1938, Serial No. 236,414
6 Claims. (Cl. 196—13)



1. The process of separating mixtures of hydrocarbons containing molecules of different types and weights, which comprises treating said mixture with a solvent composed of at least one methylamine and a modifying solvent, the dissolving capacity of said solvent being so adjusted that it dissolves predominantly aromatic hydrocarbons, separating an extract and a raffinate, treating said raffinate with a second solvent composed of at least one methylamine and a modifying solvent but containing a greater proportion of methylamine than the first solvent and being capable of dissolving predominantly naphthenic hydrocarbons, separating a second extract and a second raffinate, treating said second raffinate with a solvent composed of at least one methylamine and a modifying solvent but containing a greater proportion of methylamine than the second solvent and being capable of dissolving predominantly paraffinic hydrocarbons of lower molecular weight range, separating a third extract and a third raffinate which contains predominantly paraffinic hydrocarbons of higher molecular weight range.

2,201,823

PROCESS FOR MANUFACTURING ALKYLATED HYDROCARBONS

William E. Bradley, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application March 5, 1938, Serial No. 194,175
12 Claims. (Cl. 196—10)

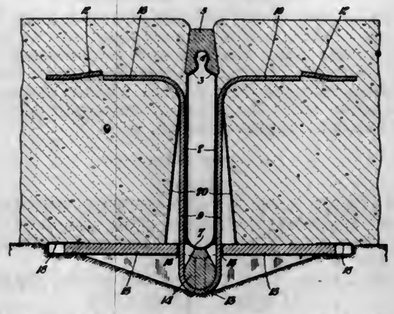
1. In a process of reacting iso-paraffinic hydrocarbons with olefinic hydrocarbons to produce alkylated iso-paraffinic hydrocarbons, the step of conducting said alkylation reaction in the presence of a sulphuric acid catalyst containing a metal salt of limited solubility in said sulfuric acid and adapted to increase the yield of alkylated iso-paraffinic hydrocarbons and to decrease the polymerization of the olefinic hydrocarbons.

2,201,824

PAVEMENT JOINT

Alan E. Brickman and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application January 15, 1938, Serial No. 185,211
6 Claims. (Cl. 94—18)



1. A joint for concrete pavement and the like comprising a pair of side-walls adapted to substantially abut the ends of the adjacent concrete sections, said side-walls being closed at their upper and lower ends, a bearing plate beneath the ends of the adjacent concrete sections, said bearing plate being constructed and arranged to support the ends of said adjacent concrete sections, and a U-shaped member for maintaining the ends of the adjacent concrete sections in alignment, the open ends of said U-shaped member being provided with lateral extensions which are embedded in the adjacent concrete sections, said bearing plate having an aperture to receive said U-shaped member.

2,201,825

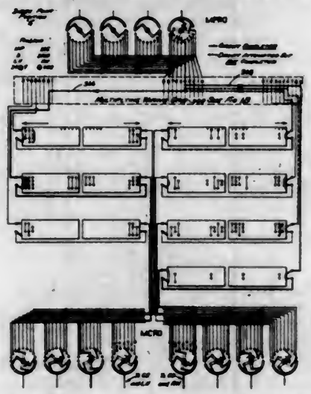
IMPULSE CREATING AND SELECTING DEVICE FOR ACCOUNTING MACHINES

Arthur H. Dickinson, Bronxville, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 6, 1937, Serial No. 141,083
17 Claims. (Cl. 235—61.6)

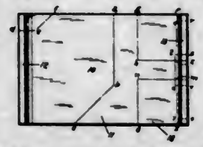
1. Differential impulse emitting and selecting means for a multiplying machine which comprises multiplier and multiplicand entry receiving means, each with a brush and segment type of readout means, a source of current impulses, means for differentially setting the brushes of each readout upon the entry of factor amounts,

means for setting all of the brushes of one entry receiving device and a brush pertaining to a single column of the other entry receiving device into rotation during calculating cycles to make a complete revolution from set position back to set position, and progression coordinating means conditioned in accordance with the



value in said single column and including fixed wiring extending from the segments of one readout to the other readout and cooperating with the rotatable brushes to control impulse transmission, said readout brushes themselves in cooperation with the readout segments allowing differential impulse emission.

2,201,826
BRACKET AND MANUFACTURE THEREOF
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application April 7, 1938, Serial No. 200,803
9 Claims. (Cl. 29—150)



4. The process of producing a bracket from an H-beam comprising removing a portion of the web and a flange of said beam to form a member having a stem and oppositely extending flanges, removing a portion of the web and flange of the remainder of said beam to form a member having a stem and oppositely extending flanges and fastening one of the flanges of said latter member to the stem of said first mentioned member so that the remaining flange projects beyond said stem of said first mentioned member.

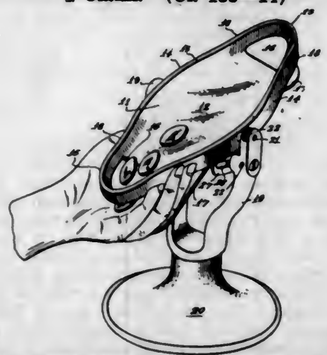
2,201,827
RATCHET MECHANISM
Otto P. Froeschl and Paul A. Froeschl, Kansas City, Mo.
Application April 17, 1939, Serial No. 268,197
1 Claim. (Cl. 192—43.2)

In ratchet mechanism a tool head having a through passageway counterbored to form a socket, a removable plate closing the open end of the counterbore, a ratchet wheel journaled in said socket and held in position by said plate, a second through passageway in the tool head and spaced from and parallel to the first-named passageway, a counterbore in said second passageway and intersecting the first-named counterbore, a pair of non-circular bores having their axes at right angles to the axes of the through passageways and intersecting said passageways at a line connecting the axes of said passageways, said bores diverging outwardly and being so related that a line connecting the axes of the two passageways bisects the angles formed between prolongations of the axes of bores, spring-advanced pawls non-rotatively received in each



bore, a pair of diametrically opposite sides of each pawl being in parallel relation and respectively adapted to simultaneously engage one wall of its respective bore and a correspondingly parallel face of a ratchet tooth, a pawl-retracting member bearing a journaled relation to the second through passageway, a pin projecting from said member and adapted for selective positioning in either bore to effect repression of the corresponding pawl, and a frictional lock carried by the head for securing the pawl-retracting member in selected position.

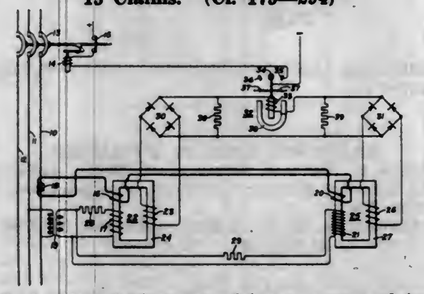
2,201,828
CHANGE SCOOP
John Hardina, Astoria, N. Y.
Application November 8, 1938, Serial No. 239,430
1 Claim. (Cl. 133—14)



In a change scoop, a tray, a wall surrounding said tray sidewise and endwise, a bottom in said tray downwardly closing it centrally but extending short of said wall in an endwise direction of said tray, so that there is an upwardly and downwardly clear opening in said tray near one of the ends thereof, the top of said bottom being hollowed, and the interior of the tray above said bottom being upwardly unobstructed, a support pivotally engaged upon said tray intermediate to opposite ends of said tray, so that said tray may be tilted endwise, and a handle extending from the bottom of said tray downwardly and outwardly in an endwise direction underneath

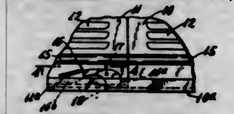
said opening and serving to guide an upturned hand slid thereonto underneath the tray into a position of closing the said opening from below by the palm of such a hand, when such hand is then cupped.

2,201,829
PROTECTIVE APPARATUS
Kurt Heinrich, Berlin-Treptow, Germany, assignor to General Electric Company, a corporation of New York
Application December 7, 1938, Serial No. 244,462
In Germany December 21, 1937
15 Claims. (Cl. 175—294)



2. A relay device comprising a group of two normally cumulatively acting flux producing elements, another group of two normally oppositely acting flux producing elements, means for deriving currents respectively dependent on the fluxes established by said two groups of flux producing elements, means for rectifying said derived currents, and means responsive to the difference between the rectified currents.

2,201,830
WINDOW VENTILATOR
Solomon Hoffer and Samuel Nosowitz, Brooklyn, N. Y.
Application October 5, 1939, Serial No. 297,975
6 Claims. (Cl. 98—99)



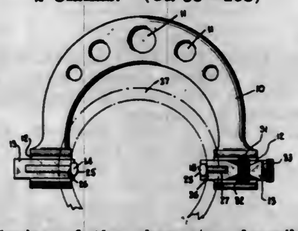
1. A window ventilator, comprising a pair of sheet metal panels having louvered areas through which air may pass and telescopic top and bottom flanges so that the panels may be laterally adjusted to windows of different widths, a flat member pivotally mounted on the inner of the two panels adjacent one of its flanges and having a cam end engaging through an opening in the inner flange, and frictionally engaging the outer flange for locking the panels immovably in position.

2,201,831
PULLEY ADJUSTMENT DEVICE
John Jacque, Richmond Hill, N. Y.
Application January 5, 1939, Serial No. 249,401
1 Claim. (Cl. 211—119.09)



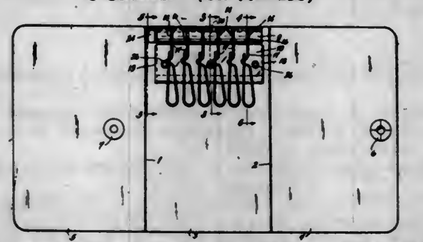
A pulley adjustment device for use with a line comprising a rack, means on said rack fastening said rack to a stationary object, a groove in said rack running longitudinally of the length of the rack and having a smooth surface on the bottom of said groove, teeth on the upper surface of said groove, said teeth being inclined toward the inner portion of said rack, a line-engaging wheel mounted in said groove and adapted to be held in selective positions by said teeth, and a guiding wheel on the outer end of said rack to engage a line and position the rack with relation thereto.

2,201,832
CALIPER GAUGE
Kurt Kaehlert, New York, N. Y.
Application August 18, 1938, Serial No. 225,633
2 Claims. (Cl. 33—163)



1. A device of the character described comprising a substantially U-shaped frame having aligned slideways at its ends, interchangeable slidable shoes guided in said slideways, respectively, each shoe having at its underface a plurality of threaded perforations, each slideway being provided with a longitudinal slot adjacent said perforations of said shoes, means protruding through said slots, respectively, and threadedly engageable selectively with said perforations to adjust said shoes relatively to each other, a jaw projecting from the end of each shoe substantially at a right angle with respect to the plane of sliding movement of said shoes, contact faces substantially elliptical in contour at the ends of each jaw, and a shaft connected with one of said jaws and journaled in its respective shoe, said shaft having a threaded portion for engagement with a set screw to adjust said one jaw relatively to its respective shoe and the other of said jaws, whereby said adjustable jaw may be displaced relatively to the respective shoe and to the other of said jaws to facilitate measurement of inner or outer diameters.

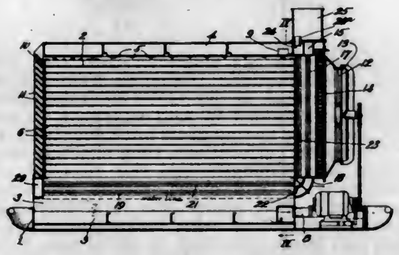
2,201,833
KEY CASE
Edward A. Koelling, St. Louis, Mo., assignor to Leah L. Gardner, University City, Mo.
Application September 21, 1939, Serial No. 295,881
8 Claims. (Cl. 70—456)



1. In a key case having a section of flexible material forming an enclosure, a plate attached to one end of said section, and a tubular part in

connection with said plate having circumferential slots and enlarged holes at adjacent ends of said slots; means forming a guide along one side of said tubular part adjacent to said section, a plate mounted for sliding movements in said guide for movement to and from position to close said holes, a member mounted between said second plate and said tubular part for moving said second plate from a position in which it closes said holes to a position in which said holes are open, manual means for operating said member to move said second plate as aforesaid, a device for moving said second plate to a position to close said holes, and key hangers extending through said slots and having heads pivotally engaging the inner side of said tubular part and having a diameter greater than said slots and less than said holes.

2,201,834
COOLING TOWER CONDENSER
Leon T. Mart, Johnson County, Kans., assignor to The Marley Company, Kansas City, Kans., a corporation of Missouri
Application July 25, 1938, Serial No. 221,125
2 Claims. (Cl. 257—37)



2. In a cooling tower condenser, the combination of a water collecting basin, a water distributing basin vertically spaced above said water collecting basin and having a plurality of bottom openings for gravitative discharge of the water therein, a pair of side walls connecting said basins at opposite sides, said walls in conjunction with the basins forming a horizontal air conduit, a fan at one end of the conduit for forcibly propelling air therethrough for evaporative cooling of the falling water, a pump for returning water from the collecting basin to the distributing basin, a condenser in the air stream after the air stream has contacted the falling water, a second condenser connected to the first condenser, said second condenser being spaced above the water level in the collecting basin and being wetted by the water falling into said basin, and a plurality of vertically spaced splash decks in the air conduit between the collecting and distributing basins.

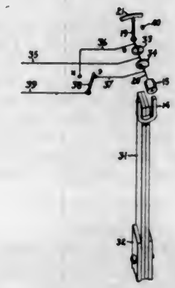
2,201,835
SUCTION CLEANER NOZZLE ADJUSTMENT SIGNAL
Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application September 8, 1937, Serial No. 162,908
6 Claims. (Cl. 15—9)

1. In a suction cleaner having walls forming a nozzle provided with a suction mouth and an auxiliary opening adapted for the reception of a converter attachment, a signal device for indicating the suction existing in the nozzle, including a plate removably secured to said nozzle wall and covering said opening, and a nozzle suction operated indicator mounted on the plate com-



municating through said plate with the suction nozzle.

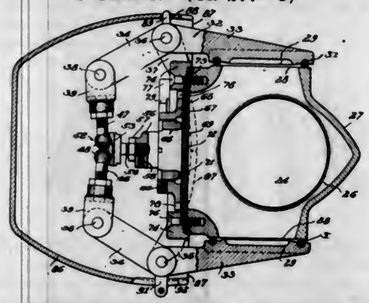
2,201,836
MAGNETIC MOTION AMPLIFIER
Francis K. McCune, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application March 3, 1939, Serial No. 259,690
10 Claims. (Cl. 236—1)



1. A motion amplifier comprising a cylindrical permanent magnet polarized across its diameter and pivoted for rotation on its axis, a movable member including permanent magnet means presenting pole pieces of opposite polarity to said cylindrical permanent magnet, said poles being spaced apart closely tangentially of said cylindrical permanent magnet a distance not less than the radius of said cylindrical magnet and out of contact therewith, said movable member being movable at right angles to the axis of said cylinder and substantially tangentially thereto.

9. In combination, a bimetallic temperature responsive device fixed at one end and adapted to bend in response to temperature changes, permanent magnet means on the free end of said device provided with spaced pole pieces of opposite magnetic polarity, said pole pieces being spaced apart in the path in which they are moved by bending of said device, a cylindrical permanent magnet armature polarized across a diameter thereof and pivoted on its axis perpendicular to the path of movement of said pole pieces and located adjacent such path such that the fluxes of said permanent magnet means and armature combine to provide a magnetic drive for rotating the armature when the pole pieces are moved, the relation of spacing of said pole pieces and the diameter of said armature being such that the movement of the surface of said armature which is adjacent to said pole pieces greatly exceeds the movement of the pole pieces, and control means operated by rotation of said armature.

2,201,837
RELIEF VALVE
William Dana Schanck, Rochester, and Gordon Wilson Cudney, Bergen, N. Y., assignors to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application March 24, 1939, Serial No. 263,950
9 Claims. (Cl. 277—3)



1. A relief valve of the type having a fluid pressure chamber with a fluid outlet and a closure for the outlet comprising, in combination, means including a toggle for maintaining said closure closed when normal fluid pressures exist in the chamber, a fluid pressure responsive device exposed to the fluid pressure in the chamber, and means actuated by said fluid responsive device for breaking said toggle when a predetermined fluid pressure exists in the chamber to thereby enable the opening of the closure to relieve the pressure in the chamber, said fluid pressure responsive device including a resilient diaphragm having a slit for normally relieving the pressure in said chamber at a pressure below said predetermined pressure.

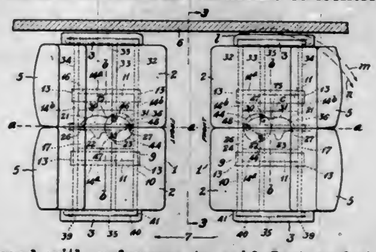
2,201,838
CLUTCH ATTACHMENT
Elwyne O. Shreffler and Aaron D. Lesage, Manteno, Ill.
Application July 26, 1939, Serial No. 286,532
5 Claims. (Cl. 192—99)



5. In combination with the clutch and intake manifold of an automotive vehicle, a compressible air tight member having a lower portion attached to the clutch pedal, and an upper portion positioned to receive pressure from the foot of the driver, and an air tight connection leading from said diaphragm to the intake manifold.

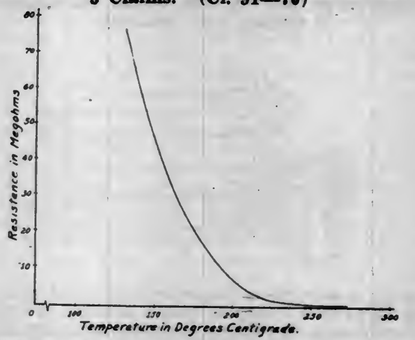
2,201,839
REVOLVABLE CAR SEAT CONSTRUCTION
Frank E. Van Hoesen, Chicago, Ill., assignor to Transportation Seat Company, Mansfield, Ohio, a corporation of Ohio
Application November 19, 1937, Serial No. 175,454
28 Claims. (Cl. 155—96)

1. A revolvable seat, including a fixed base structure, a seat supporting frame rotatably and slidably carried upon said base structure, three downwardly projecting pin units mounted in the seat supporting frame, a pair of spaced sockets provided in said base structure, the first of said sockets being adapted to receive the first of said pin units and the second socket being adapted to receive a second of said pin units, an arcuate surface formed in said base structure concentrically



disposed with reference to said first socket and adapted, when the seat frame is rotated, to guide said third pin unit concentrically about said first socket until said second pin is seated in said second socket.

2,201,840
METHOD OF TREATING ASBESTOS
Emerson Venable, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 17, 1938, Serial No. 191,038
3 Claims. (Cl. 91—70)

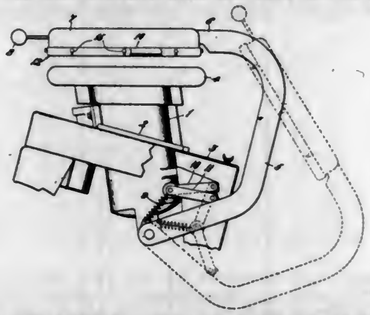


1. A method of treating asbestos comprising, impregnating asbestos with an unhydrolyzed silicate selected from the group consisting of ethyl, methyl and propyl silicates, subjecting the impregnated asbestos to the action of water vapor in the presence of a halogen acid to effect the hydrolysis of the silicate, subjecting the asbestos containing the hydrolyzed silicate to a temperature of between about 140° C. and about 180° C. to dry it and produce a porous silica in the asbestos, applying a varnish to the impregnated asbestos to fill the pores of the silica, and then subjecting it to sufficient heat to cure the varnish, the varnish, impregnant and asbestos cooperating to give a dense, imprevious insulating material.

2,201,841
IRONING MACHINE
George W. Wardwell, Jr., Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application August 13, 1936, Serial No. 95,835
5 Claims. (Cl. 38—66)

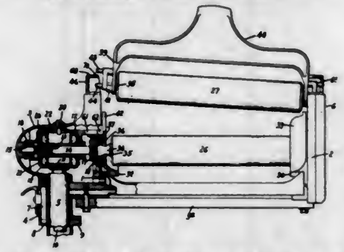
1. In an ironing machine, a heated shoe having a face adapted to be pressed against a cooperating pressing member, a metal plate cover-

ing said face of the shoe, means for supporting the plate whereby the plate is normally spaced from the face of the shoe and whereby the plate is moved into contact with the face of the shoe



when the shoe is pressed against a cooperating pressing member, and means for preventing convection currents between said plate and said shoe when the plate is in its normal position.

2,201,842
WRINGER
George W. Wardwell, Jr., Nichols, and James I. Arnett, Stratford, Conn., assignors to General Electric Company, a corporation of New York
Application July 18, 1939, Serial No. 285,103
3 Claims. (Cl. 68—262)



1. In a wringer, a frame consisting of spaced side stiles and a bottom frame member, a lower roll carried in the frame, a control bar extending across the top of the wringer carrying an upper roll, pressure members in the side stiles, vertical passages slidably receiving the control bar in a central position, means effective upon tilting the control bar to lock the control bar to said pressure members, walls at the upper ends of said passages for retaining the control bar therein, and a recess in one of said passages for receiving one end of the control bar upon endwise movement thereof whereby the control bar may be tilted about said recess to move the other end of the control bar clear of the wringer.

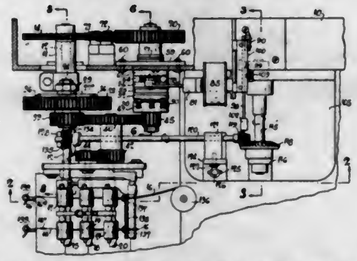
2,201,843
GARMENT BAGGER
Robert E. Williams, The Dalles, Oreg.
Application May 23, 1939, Serial No. 275,325
1 Claim. (Cl. 226—18)

A clothes bagger, including a hollow standard, comprising an upper section and a lower section, means at the bottom of the lower section to support a garment, a coupling uniting the sections formed with a slot, a roller in the coupling, a pin in the coupling, a cord connected at one end to the pin and extended over the roller and through the slot to the exterior of the coupling, a weight movable in the standard and supported on the cord intermediate the pin and roller, and a clothes supporting hook at the lower end of the standard, a clip on the cord to attach a bag, the upper section of the standard providing mere-



ly a support from an overhead fixture and being replaceable by sections of different lengths to dispose the lower end of the standard at a proper height from the floor without disturbing the relation or arrangement of any of the operating parts.

2,201,844
SPINNING MECHANISM
Oscar C. Wilson, Lexington, N. C., assignor of one-half to Erlanger Cotton Mills Company, Lexington, N. C., a corporation of North Carolina
Application March 17, 1939, Serial No. 262,462
4 Claims. (Cl. 57—39)



1. In a spinning frame having front, intermediate and rear rolls, said front roll having an extension at one end thereof, a driven gear fixedly mounted on said extension, a second gear driven by the front roll and having a plurality of spring pressed dogs thereon, a ratchet wheel concentrically mounted with said second gear and having ratchet teeth thereon for engagement by said dogs, a pinion integral with said ratchet wheel, a plurality of pinions driven by the pinion on the ratchet wheel for driving the rear and intermediate rolls at their normal rates of speed, a shaft having a clutch arrangement thereon, means for driving said shaft from the driven gear at an accelerated rate, a third pinion loosely mounted on said shaft and being rotated by said plurality of pinions at the normal rate, pattern means for actuating said clutch arrangement for connecting said third loose pinion to said shaft to thereby drive said plurality of pinions at an accelerated rate of speed to thereby cause the rear and intermediate rolls to be driven at an

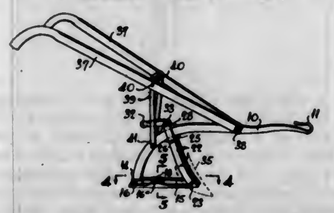
accelerated rate of speed and to also cause the ratchet to rotate at a greater rate of speed than its associated gear and dogs.

2,201,845
DYNAMOELECTRIC MACHINE
Robert W. Wieseman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 13, 1938, Serial No. 245,452
10 Claims. (Cl. 171—252)



1. An electric machine having a winding formed of a plurality of coils, each of said coils having a plurality of conductor turns, and means including insulation between said coil conductor turns of at least one of said coils having diverse insulation strengths between different ones of said turns for providing a progressively varying electrostatic capacity between adjacent coil turns and for producing a substantially uniform impulse voltage distribution between all of the turns of said coil.

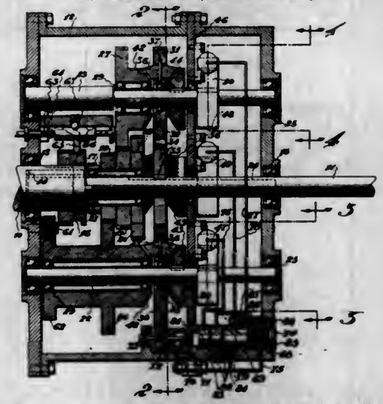
2,201,846
PLOW
John Blue, Jr., Laurinburg, N. C.
Application January 11, 1939, Serial No. 250,253
4 Claims. (Cl. 97—110)



1. A plow having a beam provided with an arcuate rear portion, a horizontally disposed member having its rear end secured to the rear end of the beam, a plow standard having its lower end pivotally secured to the forward end of the member, the upper end of the plow standard being forked and having the beam disposed in said fork, a convex member loosely secured in said fork and having its convex surface in engagement with the concave edge of the plow beam, the fork also having disposed therein a second member provided with a concave surface in engagement with the convex upper edge of the plow beam, the upper edge of the second member having a notch in its upper edge, a lever having an eccentric portion disposed in said notch, means pivotally and eccentrically mounting the eccentric end of the lever between the upper ends of the forked member, whereby rotation of the lever on its pivot in one direction will press the second member into intimate contact with the upper edge of the plow beam to adjust the position of the upper end of the standard with relation to the plow beam.

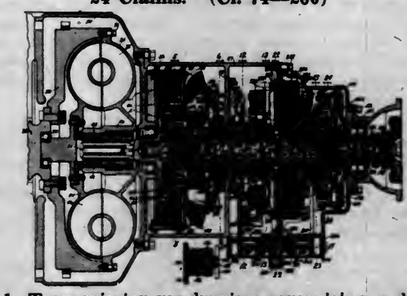
4. A landslide for plows having an elongated slot therein for receiving an attaching bolt, the slot having sidewalls which converge upwardly to provide a restricted slot at the upper side of the landslide to thereby confine the head of an attaching bolt at a substantial distance from the lower surface of the landslide.

2,201,847
TRANSMISSION
Kuo Yu Cheng, Cincinnati, Ohio
Application March 7, 1939, Serial No. 260,372
10 Claims. (Cl. 74—260)



1. In a transmission of the class described, a shaft to be driven, a gear fixed on said shaft, loosely mounted planetary gear elements constantly meshing with said fixed gear, each of said planetary gear elements carrying planetary bevel gears with their axes radially disposed, a loosely mounted bevel gear meshing with each set of planetary bevel gears, gears driven at different speeds also respectively meshing with said planetary gears, means for driving said last named gears at respectively different speeds, hydraulically actuated clamping means for seizing and releasing said loosely mounted bevel gears in a predetermined order, means for supplying fluid pressure, said means driven by said driving means when said gears are being driven, and a valve controlling the application of said fluid pressure to said hydraulically actuated clamping means, said valve automatically movable depending on the speed imparted to the driven gear.

2,201,848
TRANSMISSION GEARING
Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio
Application July 6, 1936, Serial No. 89,141
24 Claims. (Cl. 74—260)



1. Transmission mechanism comprising, a driving member, a driven member, a driven gear on the driven member, a sun gear, a planet pinion

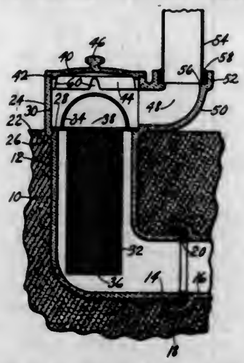
drivably connecting the driven gear and the sun gear, a planet pinion carrier, means connecting the carrier to the driving member, clutch means on the driving member, a nonrotatable brake means, and brake means on the sun gear adapted to be moved to engage either the driving member clutch means or the brake means, and a speed responsive means on the driving member operative at a predetermined speed to withdraw the driving member clutch means from reach of the sun gear clutch means whereby the said sun gear brake means may engage the said stationary brake means.

2,201,849

SAFETY TILE SECTION

Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio

Application March 17, 1939, Serial No. 262,540
4 Claims. (Cl. 210—164)



1. A device of the character described, comprising a section of tiling adapted to be imbedded for the greater portion of its length in the earth and having a vertical hollow cylindrical body with open upper end and a laterally extending hollow cylindrical outlet at its lower end, said cylindrical body having a hollow interior which enlarges abruptly in size near its upper end approximately at the ground line thereby providing a shoulder in its interior diameter, a cylindrical screen basket of smaller diameter than the inside of the lower portion of the cylindrical body having a sheet metal ring around its open top resting on said shoulder and a handle, a lid resting on the said open upper end of the cylindrical body and having a rim extending downwardly to fit freely therein, said rim being provided with a series of notches extending from the lower edge nearly to the upper edge, and an inlet elbow integral with said cylindrical body and extending laterally then upwardly therefrom, the upper end being enlarged to receive a downspout, the lateral opening of said elbow entering said cylindrical body between the top of said shoulder and the lower edge of said rim.

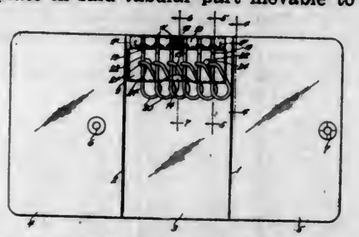
2,201,850

KEY CASE

James C. Dawson, Jr., Kirkwood, Mo., assignor to Leah L. Gardner, University City, Mo.

Application March 30, 1939, Serial No. 264,901
8 Claims. (Cl. 70—456)

1. In a key case having a section of flexible material forming an enclosure, a plate attached to one end of said section, a tubular part in connection with said plate having circumferential slots and enlarged holes at the lower ends of said slots, means forming a guide extending laterally beyond said plate below said tubular part, a plate mounted for sliding movements in said guide laterally of said tubular part and held from movements longitudinally of said tubular part by said guide, a flange in connection with said plate in said tubular part movable to posi-



tion to close and to open said holes, and key hooks or hangers insertable through said holes and having shanks extending through said slots and pivotally engaging the inner side of said tubular part for swinging movements about the axis thereof and held away from said holes by said flange.

2,201,851

KEY HOLDER

James C. Dawson, Jr., Kirkwood, Mo., assignor to Leah L. Gardner, University City, Mo.

Original application March 30, 1939, Serial No. 264,901. Divided and this application July 31, 1939, Serial No. 287,601
3 Claims. (Cl. 70—456)



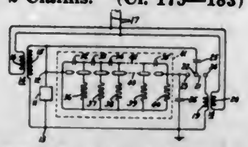
1. In a key case, a key hanger composed of a section of flexible wire and including a straight shank portion, a resilient loop portion, a laterally curved seat integrally uniting said shank and said loop portion, and an end portion extending beyond said loop portion adapted to be engaged in and disengaged from said seat and being substantially parallel with said shank portion when engaged in said seat.

2,201,852

CIRCUIT BREAKER TESTING ARRANGEMENT

Franklin M. Deerhake, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 15, 1939, Serial No. 268,046
2 Claims. (Cl. 175—183)



1. Apparatus for testing circuit interrupting devices comprising first and second output terminals to which may be connected a device to be tested, means connected to said terminals for supplying electric power at relatively high voltage, means connected on one side to the first of said terminals for supplying electric power at relatively high current, a condenser having first

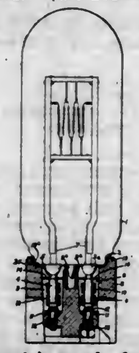
and second electrodes, the first of which is connected to said first terminal, a blunt-electrode-type spark gap comprising first and second end electrodes and a middle electrode, said first end electrode being connected to the remaining side of said high-current source and said second end electrode being connected to the second electrode of said condenser, a resistor connected between said second output terminal and said second condenser electrode, a second condenser connected between said middle gap electrode and said second output terminal, a multisection sharp-electrode-type gap connected across said resistor and comprising a plurality of electrodes with interposed series gap sections, a plurality of condensers connected between successive pairs of said last mentioned electrodes, and a plurality of resistors, each connected between one of said last mentioned electrodes and said second output terminal.

2,201,853

SOCKET STRUCTURE

Frank C. De Reamer, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application January 28, 1938, Serial No. 187,425
3 Claims. (Cl. 173—328)



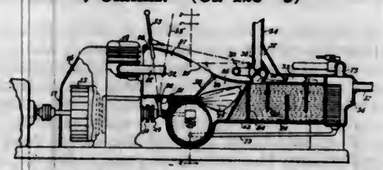
3. A socket comprising a body portion having an annular shoulder of ceramic material, a metallic bearing member mounted on said shoulder, a plurality of resilient members having keyhole slots therein adapted to engage with prongs on a base and pull a shoulder of ceramic material on said base firmly against the bearing member upon rotation of the base relative to the socket and a plurality of contact clips located in alinement with said keyhole slots and adapted to engage said prongs upon the relative rotation of base and socket.

2,201,854

SELF-CONTAINED GAS GENERATING PLANT

Aldo Curioni, Katonah, N. Y., assignor to The Gasolaire Corporation, Mount Kisco, N. Y., a corporation of New York

Application December 24, 1937, Serial No. 181,591
7 Claims. (Cl. 123—3)



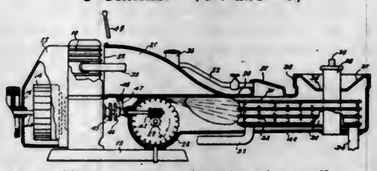
1. A gas and power generating plant, comprising a fuel vaporizing apparatus and an internal combustion engine associated therewith, said apparatus having a vaporizing chamber, means for directing air to said chamber, and means for atomizing and directing liquid fuel to said chamber, a fan actuated by said engine supplying air to said air directing means, means for transferring to said vaporizing chamber heat generated by said engine, means for operatively connecting said atomizing means to or disconnecting it from said engine, and means for deflecting said air and heat directly into the atmosphere when said atomizing means is disconnected from said engine.

2,201,855

GASIFYING APPARATUS FOR FUEL OIL

Aldo Curioni, Katonah, N. Y., assignor to The Gasolaire Corporation, Mount Kisco, N. Y., a corporation of New York

Application December 30, 1937, Serial No. 182,636
3 Claims. (Cl. 123—3)



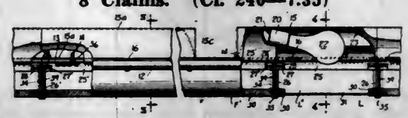
1. A gasifying apparatus for fuel oil comprising the combination of an internal combustion engine and a fuel gasifier, said gasifier having a vaporizing chamber provided with an outlet for the fuel-air mixture issuing from said chamber, a vaporizer within said chamber consisting of a hollow metallic body having a vertical series of fins integral therewith and laterally extending therefrom, a fuel oil well in front of said chamber, an impeller wheel having its lower part submerged within said well and operating to diffuse and project fuel oil directly against said vaporizer, said gasifier having an enlarged air inlet closely adjacent the engine and leading to the vaporizing chamber, said engine having a cooling fan supplying air to said air inlet, means for operatively connecting said impeller wheel to said engine, and means for directing the exhaust gases issuing from said engine to a point of discharge through said vaporizer.

2,201,856

VEHICLE LIGHTING EQUIPMENT

Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application August 31, 1937, Serial No. 161,769
8 Claims. (Cl. 240—7.35)



8. Means for lighting a vehicle having a ceiling and rows of seats separated by an aisle, comprising a plurality of lighting units supported by the ceiling over the aisle and spaced the same as the seats, each unit having a light source, a recessed reflector above the source with ends which limit the longitudinal spread of reflected light and a transverse profile to project the rays downwardly in a beam widely divergent in directions transverse of the car aisle, and a slightly diffusing closure below the reflector and ceiling for concealing the source and reflector without substantially interfering with the direction of the

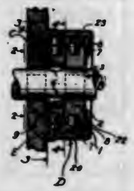
dominant direct and reflected light, the units having light transmitting ends to permit the escape of light rays longitudinally, and a plurality of filler units intermediate the closure portion of the lighting units, the filler units being substantially longer than the lighting units, receiving said escaping light rays, and having a light diffusing closure rendered luminous thereby.

2,201,857
ANTENNA
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 29, 1938, Serial No. 248,276
12 Claims. (Cl. 250—33)



1. An antenna having a length equal to at least an integral multiple of a half-wave length of the wave at which said antenna operates, and being electrically continuous throughout its length, means to excite each section of the said antenna from an end of an adjacent section, and means to maintain the potentials in corresponding portions of each half-wave length section of said antenna in like phase, said means including means forming with a portion of one section adjacent to another section a transmission line having a high impedance to the potential existing at the point between said sections.

2,201,858
COUPLING DEVICE
Raymond C. Durant, Pasadena, Calif.
Application January 28, 1939, Serial No. 253,353
4 Claims. (Cl. 287—103)



1. A coupling device including a female unit, a male unit for insertion into and removal from said female unit, a locking member shiftably mounted interiorly of said female unit for preventing withdrawal of said male unit, and a lock holding member which when mounted on said female unit will maintain the locking member in locking position, said female unit including a barrel-like body, a member fixed interiorly thereof and having an opening through which said male unit is insertable, and provided with a notch at an edge of said opening, said male unit including a lug fixed thereon and movable through said notch, said lug preventing withdrawal of the male member when the latter is turned to move the lug out of alinement with said notch, said locking member having an opening for reception of said male unit and a notch for reception of said lug, and means holding said locking member against rotation in said body with the notch in the locking member out of alinement with the notch in said fixed member, while permitting a shifting of the locking member to bring the notch therein into and out of position to receive and hold the lug on said male unit, said body having openings affording access to said locking member whereby the latter may be moved into and out of locking position, said means for holding said locking member against rotation including a projection on said locking member slidably engaged in one of said openings in said body, and a lock holding member removably mounted on said body so as to cover the openings of said body and obstruct such movement of said projection as would permit the locking member to be moved out of locking position.

2,201,859
BOAT
Vere B. Edwards, Coraopolis, Pa., assignor to Dravo Corporation, a corporation of Pennsylvania
Application February 12, 1938, Serial No. 190,244
1 Claim. (Cl. 114—163)



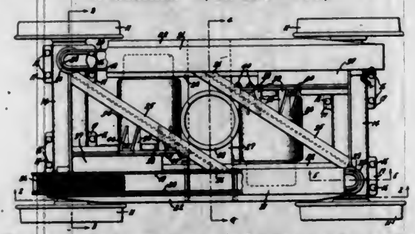
In a boat of tunnel type provided with twin skegs constituting downward extensions of the tunnel walls, and with a propeller arranged within the tunnel and in the space between the skegs, the combination of two rudder blades symmetrically placed on opposite sides of the tunnel and marginally situated with respect to the stream of water impelled by the rotating propeller, the said blades being mounted upon centres of turning spaced at intervals forward from the forward edges of said skegs, the said rudder blades diverging relatively to one another outwardly and forwardly.

2,201,860
LUMINAIRE
Solomon English, London, England, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application July 28, 1937, Serial No. 156,056
In Great Britain July 31, 1936
8 Claims. (Cl. 240—25)



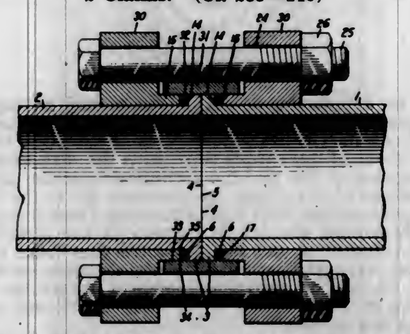
1. A luminaire comprising a light source, a downwardly acting specular reflector about the source and of a profile to accept a substantial zone of light extending upwardly from the horizontal and reflect it downwardly across the reflector axis into a beam having a substantially less angle of spread than that of the direct rays before reflection, the reflected rays being at high angles above nadir for lighting remote areas, and a transparent member disposed below the reflector and having side walls to pass both the reflected rays and a narrow zone of direct light and a bottom wall which intercepts downwardly emitted direct light and redistributes it to avoid high brightness of the surface directly below the luminaire.

2,201,861
RAILWAY TRUCK
Max R. Hanna, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application February 24, 1938, Serial No. 192,245
2 Claims. (Cl. 105—133)



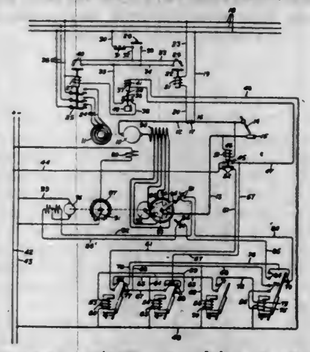
1. A truck for railway vehicles having wheels and axles, bearing members for said axles, truck side frames, means for rigidly and directly securing one end of only one of said side frames to each different one of said bearing members, means for pivotally supporting the other end of each of said side frames on another one of said bearing members, a bolster, means for supporting said bolster on said side frames, driving motors, means for rigidly supporting each of said motors on one of said side frames, and means for providing a driving connection between each of said driving motors and the axle having the bearing member thereof rigidly secured to the side frame supporting said motor, said driving connection being supported by the axle driven thereby.

2,201,862
PIPE COUPLING
Alex Heisterkamp, Hoboken, N. J.
Application March 26, 1938, Serial No. 198,181
2 Claims. (Cl. 285—140)



1. A rigid pipe joint adapted to withstand high pressures at high temperature, comprising a pair of rigid pipes each having a rigid end flange abutting the other, said flanges being provided with a cylindrical outer peripheral surface and with an annular surface disposed at right angles to said pipe; a rigid tubular member having a cylindrical inner peripheral surface closely encircling the cylindrical surfaces of said flanges and having portions extending endwise beyond each of said flanges; a rigid coupling member on each of said pipes having a rigid cylindrical tubular sleeve portion telescoped in closely fitting relation between said pipe and an endwise extending portion of said tubular member, said sleeve portions each having an annular end surface disposed at right angles to said pipe and cooperating with the outer surfaces of a pipe, the inner surface of said tubular member and the annular surface of a flange to provide a closed rectangular recess; an annular gasket, rectangular in cross-section, closely fitting in each of said recesses; and means for moving said coupling members towards each other whereby the end surfaces of said tubular portions compress said gaskets against the annular surfaces of said flanges and cause the corners of said gaskets to be forced into the corners of said recesses.

2,201,863
REMOTE CONTROL SYSTEM
Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 10, 1934, Serial No. 724,843
8 Claims. (Cl. 171—312)

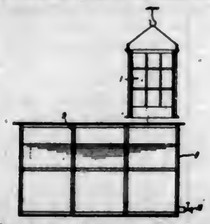


1. A power system comprising a generator, a load circuit connected to said generator, means for gradually varying a characteristic of said generator, and time element means responsive to a predetermined number of momentary closures of said load circuit for energizing said generator characteristic varying means for a predetermined length of time, said time element means including a plurality of interconnected time element relays and said predetermined length of time depending on the time differential of the operation of two of said time element relays.

2,201,864
METHOD AND APPARATUS FOR THE MANUFACTURE OF ELECTRIC CONDENSERS
Friedrich Kostka, Berlin-Buchholz, Germany, assignor to General Electric Company, a corporation of New York
Application December 2, 1936, Serial No. 113,887
In Germany December 10, 1935
9 Claims. (Cl. 175—41)

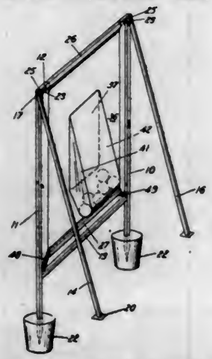
4. The method of making a condenser, which includes individually subjecting a plurality of component condenser units to treatment in a treating vessel, which treatment includes submerging said units in liquid treating medium, removing each of the treated units from the treating vessel while keeping the unit submerged in treating medium in a transfer receptacle having a detachable bottom, transferring said receptacle

with its contents to a casing adapted to accommodate said plurality of units, immersing the transfer receptacle in a body of liquid treating medium in said casing to a depth sufficient to insure continued submergence of the condenser unit



contained in the transfer receptacle, effecting detachment of the bottom of the transfer receptacle and then removing at least the major portion of the transfer receptacle from said casing while leaving the condenser unit submerged in the treating medium in the casing.

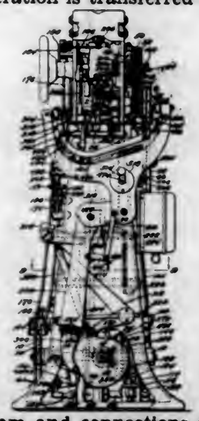
2,201,865
TARGET GAME
Edward W. Krickard, Cedar Rapids, Iowa
Application November 25, 1938, Serial No. 242,267
1 Claim. (Cl. 273—105)



In a target, a rectangular frame including leg members, top and bottom cross bars and bracing members extending rearwardly from the upper ends of the leg members, a target sheet hemmed along its upper and lower edges, the upper hemmed edge adapted to be received on the upper cross bar, a cross piece received within the lower hem, springs attached to the ends of the cross piece and to the leg members at their juncture with the lower crossbar, the target sheet having a substantially rectangular opening near the center thereof, a pouch somewhat longer than the height of the opening, the edges of the pouch extending through the opening so as to lie against the front of the target sheet, and a binding strip of a color to contrast with the target sheet fastened around the opening by stitching through both the edges of the pouch and the target sheet.

2,201,866
MACHINE FOR USE IN THE MANUFACTURE OF SHOES
Robert H. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 26, 1938, Serial No. 231,750
65 Claims. (Cl. 12—4)

1. A side lasting machine having, in combination, a shoe supporting jack, two sets of lasting devices arranged to act on an upper at opposite sides of a shoe supported upon the jack, means for actuating said devices to last progressively both sides of the shoe upper as the point of operation is transferred along the shoe,



a pattern cam and connections for moving the jack to transfer the point of operation along the shoe, and means for imparting an intermittent movement to the cam in timed relation to the lasting devices to space the points of operation along the shoe.

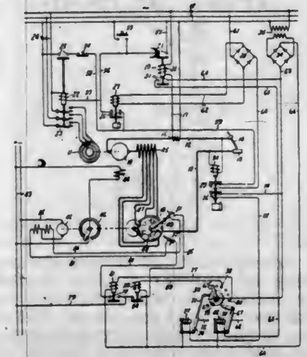
2,201,867
CENTRIFUGAL FAN CASING
Kenton D. McMahan, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 24, 1938, Serial No. 215,643
1 Claim. (Cl. 230—47)



In a centrifugal fan, a fan casing having a square outer surface, outlets at the corners thereof, cutoffs within the casing, walls extending from in front of the cutoffs as regards the direction of rotation of the fan and terminating at the outer surface of the casing for directing air to the adjacent outlets, and walls extending from the cutoffs beyond the cutoffs as regards the direction of rotation of the fan and diverging from said first walls and terminating at the outer surface of the casing providing passages increasing in area in the direction of rotation toward the succeeding outlets.

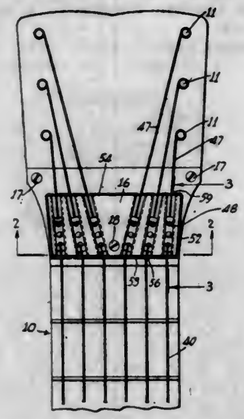
2,201,868
REMOTE CONTROL SYSTEM
Guy A. Moffett, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 10, 1934, Serial No. 724,844
10 Claims. (Cl. 171—229)

1. A power system comprising a generator, a load circuit connected to said generator, means for gradually and continuously varying the voltage of said generator, a circuit arranged to energize said voltage varying means to raise the voltage of said generator, a second circuit arranged to energize said voltage varying means to lower the voltage of said generator, a relay arranged to complete and maintain the energization of one or the other of said circuits depending on the



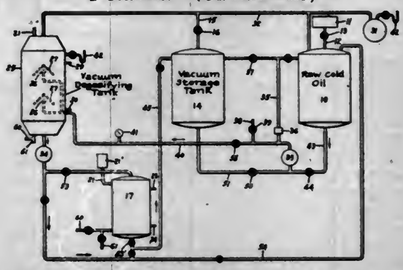
number of times it has been energized, a second relay responsive to the impedance of said load circuit arranged to effect the energization of said first mentioned relay, and means including a third relay responsive to the closure of said load circuit for a predetermined interval of time for resetting said first mentioned relay and for deenergizing said circuits for said voltage varying means.

2,201,869
TUNING DEVICE FOR STRING INSTRUMENTS
Frank J. Nickel, Jr., Bel Air, Md.
Application December 3, 1938, Serial No. 243,731
4 Claims. (Cl. 84—297)



1. A connector member for a musical instrument having a neck and a plurality of rotatable string tuning keys at the outer end of said neck, said member adapted to be fixed to said neck inwardly of the keys and being formed with a plurality of through grooves, a connector element slidably mounted within each groove, each connector element having an upstanding portion at each end, the upstanding portion at one end having an opening, a string passing through said opening, and having a head engaging said upstanding portion, the other end of said string being attached to one of said keys, the upstanding portion at the other end of each connector element being formed with a slot, and a string extending along the neck of the instrument and passing through the slot in said other upstanding portion, and having a head at one end engaging said upstanding portion.

2,201,870
METHOD OF DEGASIFYING LIQUID FOR ELECTRICAL INSULATING PURPOSES
Carl A. Piercy, Ballston Lake, and Eugene L. Crandall, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application February 1, 1939, Serial No. 254,066
4 Claims. (Cl. 183—2.5)



1. The method of degasifying liquid to improve its insulating properties which comprises supplying cold raw liquid to a supply tank, continuously removing the liquid from the supply tank and spraying it when in a cold state into a cold tank where it is partially degasified, continuously removing the partially degasified cold liquid from the degasifying tank and temporarily delivering it to a storage tank, maintaining a vacuum in both of said tanks, continuously removing the partially degasified liquid from the storage tank and passing it into and through a heating tank for heating the liquid, continuously removing the liquid from the heating tank and returning it in its heated condition to the original supply tank, continuously removing heated liquid from the supply tank and delivering it for a second time to the degasifying tank, heating the degasifying tank to assist in liberating gas from the liquid, removing the heated degasified liquid from the degasifying tank and delivering it for a second time to the storage tank from which it is withdrawn for use and subsequently cooling the degasifying tank and the heating tank preparatory to admitting a second charge of raw liquid thereto.

2,201,871
PLASTIC COMPOSITION
Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 27, 1936, Serial No. 107,823
5 Claims. (Cl. 260—42)

1. A homogeneous plastic composition comprising in combination one part by weight of a condensation product of olefine dihalide with an aromatic hydrocarbon having the general formula RC_6H_4R', where R and R' represent substituents selected from the group consisting of hydrogen and a saturated aliphatic hydrocarbon radical containing more than one carbon atom with .05 to 20 parts by weight of a high molecular weight polyisobutylene hydrocarbon having a

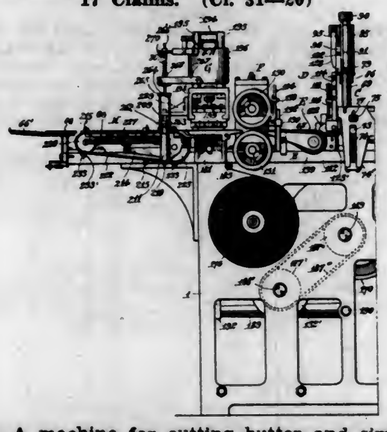
molecular weight above about 2000, the mixture being characterized by plasticity at temperatures as low as —30° C.

2,201,872

CUTTING, SHAPING, EMBOSSING, AND WRAPPING MACHINE FOR BUTTER OR SIMILAR PLASTIC MATERIAL

Benjamin Rottenberg, New York, N. Y.

Application April 2, 1937, Serial No. 134,519
17 Claims. (Cl. 31—20)



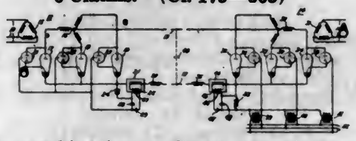
1. A machine for cutting butter and similar plastic material into small blocks and embossing a legend on each block, including a loading structure for receiving the butter to be cut and moving the same a predetermined distance, a feeding belt for receiving the butter from said loading structure, a slicing mechanism for slicing said butter as it leaves the end of the travel of said feeding belt, means for successively moving the respective sliced butter into an advanced position, embossing means, means for moving the sliced butter from its advanced position into functioning engagement with said embossing means, a cutting mechanism for cutting the embossed butter into small blocks after leaving the embossing means, means for receiving and wrapping the cut butter, and means for ejecting the wrapped butter.

2,201,873

ELECTRIC VALVE CONVERTING SYSTEM

Hansheinrich Verse, Brunswick, Germany, assignor to General Electric Company, a corporation of New York

Application June 15, 1938, Serial No. 213,912
In Germany June 21, 1937
6 Claims. (Cl. 175—363)



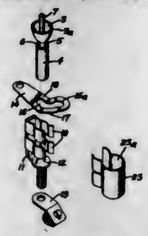
1. In combination, a direct current transmission line, an alternating current load circuit, and an electric valve converting system interconnecting said line and said circuit, said system including a smoothing reactor having a reactance so proportioned relative to the reactance of said line as to become resonant at the frequency of said alternating current load circuit upon occurrence of abnormal current conditions in said converting system.

2,201,874

ELECTRIC TRANSLATION DEVICE MOUNTING AND THE LIKE

Daniel K. Wright, Cleveland Heights, Ohio, and Frederick H. Weston, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York

Application May 18, 1937, Serial No. 143,310
11 Claims. (Cl. 176—32)



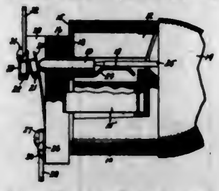
1. The combination of a translation-device base having an annular seating shoulder and contact terminal studs projecting from said base in the direction of the axis of said shoulder, and themselves provided with securing shoulders; a socket for said base having a seating shoulder for said base shoulder; resiliently yielding engagement means in said socket for coacting with said stud shoulders, to hold said base shoulder against said socket shoulder, engageable with the said stud shoulders by relative turning of base and socket after engagement of the base and socket shoulders, said engagement means having bottom projections in position for the stud shoulders to ride under them as base and socket are turned relative to one another; and contact means in the socket engageable with said studs by the relative turning of base and socket.

2,201,875

OUTLET RECEPTACLE SWITCH

Elmer J. Zelt, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application June 1, 1938, Serial No. 211,156
8 Claims. (Cl. 200—51)



1. In combination, a body comprising a convenience outlet having receptacle contacts therein, contact means mounted on said body having a movable operating member and an operating element adjacent said receptacle contacts and cooperating with said movable member, said operating element being engaged by the prongs of a plug cap inserted in said convenience outlet for operation of said contact means.

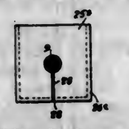
2,201,876

WATER SEEPAGE INTERCEPTOR

Arthur C. Zimmerman, Dayton, Ohio, assignor to The Duro Company, Dayton, Ohio, a corporation of Ohio

Application December 6, 1937, Serial No. 178,256
5 Claims. (Cl. 288—2)

1. In a pump including a reciprocatory piston rod, a seepage interceptor comprising a spool shaped rubber body having a central aperture smaller than the rod and disposed on said rod and resiliently secured thereto by the inherent



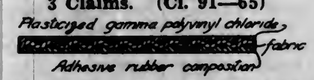
resiliency of said rubber body, and a radial slot in said body communicating with said aperture and disposed at an angle to the axis thereof whereby said body can be readily forced over said rod and yieldingly fit therearound.

2,201,877

MASKING TAPE

John F. Anderson, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application October 4, 1938, Serial No. 233,251
3 Claims. (Cl. 91—65)



2. Masking tape comprising a woven fibrous base having on its base an adhesive composition and on its back plasticized gamma polyvinyl chloride.

2,201,878

HYDRAULIC DRIVE AND CONTROL DEVICE

Harold J. Atkins, Pocoima, and Seymour B. Bennett, San Fernando, Calif., assignors to C. C. Goodson and John F. Fischbeck, Los Angeles, Calif.

Application November 4, 1938, Serial No. 238,928
6 Claims. (Cl. 192—58)



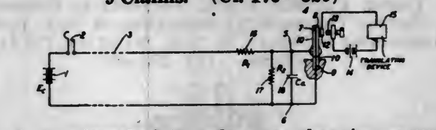
1. A hydraulic drive and control device including a rotary cylindrical driven member, having an eccentric chamber therein adapted to be filled with hydraulic fluid, a cylindrical driving member rotatably mounted in said chamber and having its periphery in contact at one point with the cylindrical wall of said chamber, vanes carried by the driving member and extensible therefrom in the space between the driving and driven member and adapted to be pushed inwardly upon contact of the outer ends thereof with the point of said cylindrical wall which engages the driving member, a spring connected with and normally holding said vanes in position lying inwardly of the space between said members, an operating cylinder carried by said driving member, opposed pistons mounted in said operating cylinder, means of operative connection between said pistons and said vanes for simultaneously extending said vanes upon corresponding outward movement of said pistons, means for applying a hydraulic fluid under pressure to said cylinder for extending said pistons, including a hydraulic ram connected with said cylinder and a manually operable means for developing fluid pressures in said ram.

2,201,879

DELAY TYPE PIEZOELECTRIC RELAY

David G. Blattner, Mountain Lakes, N. J., and Leonard Vieth, Jackson Heights, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 3, 1938, Serial No. 228,357
9 Claims. (Cl. 175—320)



1. A piezoelectric relay, a charging source therefor, a charging circuit connecting the source to the input terminals of the relay and including a charge regulating impedance cooperating with the electrostatic capacity of the relay to determine the operating time of the relay, a discharging circuit including a discharge regulating impedance and means connecting the discharging circuit to the relay input terminals to determine the time for release of the relay after withdrawal of the charging electromotive force said time being substantially independent of the magnitude of the charge regulating impedance.

2,201,880

ELECTRON DISCHARGE DEVICE

Edmond Bruce, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 27, 1937, Serial No. 155,872
4 Claims. (Cl. 250—27.5)



3. An electron discharge device comprising a hollow cathode having a plurality of distinct arcuate sections disposed side by side, the inner surface of said sections being coated with electron emissive material, means for heating said cathode, and a plurality of anodes within said cathode, each of said anodes being in alignment with a corresponding one of said sections.

2,201,881

ROTARY SWITCH

Frank D. Bryant, Stratford, and William R. Young, Fairfield, Conn., assignors to General Electric Company, a corporation of New York

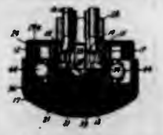
Application October 7, 1938, Serial No. 233,788
4 Claims. (Cl. 200—8)



2. An electric switch comprising a base having

a circular recess therein, contact members disposed around the periphery of said recess, closure plates closing the ends of said recess, a contact holding element disposed within said recess, contacts rotatably mounted in said element, a handle rotatably mounted in one of said plates, and clip elements secured to said handle and surrounding said element and having projections pivotally supported in the other of said plates for rotatably mounting said contact holding element.

2,201,882
ELECTRIC SWITCH
Frank D. Bryant, Stratford, and William R. Young, Fairfield, Conn., assignors to General Electric Company, a corporation of New York
Application February 15, 1939, Serial No. 256,516
13 Claims. (Cl. 200—8)



1. In a switch, a body of insulated material having a substantially annular shaped wall, said wall having a plurality of spaced axially extending grooves on the inner and outer surfaces thereof, a plurality of stationary conducting members of U-shape each having a contact portion positioned in a groove on the outer surface of said wall and a terminal portion positioned in a groove on the inner surface of said wall, an operator of insulating material rotatably mounted on said body, a pair of spherical contact members, a bridging member of conducting material carried by said operator and having oppositely disposed arms adapted to receive said spherical contact members and hold them against the outer surface of said annular wall to connect electrically certain of the conducting members located in said grooves.

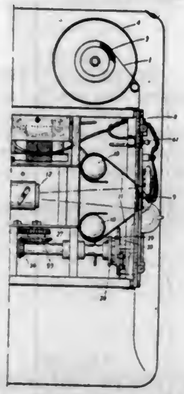
2,201,883
TREATMENT OF SULPHUR-CONTAINING DISTILLATES
Robert E. Burk, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 23, 1937, Serial No. 181,324
2 Claims. (Cl. 196—33)

1. In a process of sweetening mercaptan-containing petroleum distillates, subjecting the distillate to conditions favoring formation of basic mercaptides by the action of a solution formed by saturating 20–40 per cent NaOH solution with litharge, and then adsorbing the resulting sulphur-containing compounds by subjecting the same as dissolved in the distillate to the action of an adsorbent agent.

2,201,884
POLYMERIC MATERIAL
Wallace Hume Carothers, deceased, late of Wilmington, Del., by Wilmington Trust Company, executor, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 5, 1937, Serial No. 173,048
7 Claims. (Cl. 260—607)

7. A polymeric saturated sulfone having recurring structural units of formula $—RSO_2R'SO_2—$ wherein R and R' represent divalent hydrocarbon radicals at least one of which has a chain of at least five carbon atoms separating the sulfone groups.

2,201,885
PHOTOGRAPHIC PRINTING MACHINE
Arthur James Child, Bushey Heath, James Charles Hall, Wimbledon, London, and John William Stobart, Merton, London, England, assignors of one-fourth to William Smith, London, England
Application March 6, 1939, Serial No. 260,180
In Great Britain March 10, 1938
1 Claim. (Cl. 88—24)

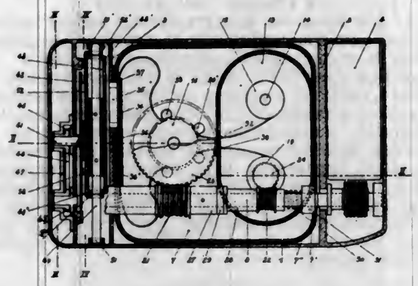


A photographic printing machine comprising means to guide a perforate picture strip, means to guide a perforate sensitized strip, a main shaft, a pair of counter-shafts geared thereto, a pair of plates opposite said strips, means to guide said plates axially of said strips, feed dogs on said plates engaging the perforations in said strips, a pair of rotating crank pins engaging with said plates to oscillate them to and fro, driving shaft connections between said crank pins and said counter-shafts, cam means driven from said counter-shafts to displace said plates laterally of said strips, means to engage a stop pin with at least one of said strips at times when the feed dogs are disengaged therefrom and punch means mounted on at least one of said cover plates, whereby a strip can be marked at will.

2,201,886
MOTION PICTURE CAMERA
Maurice Albert Daiotel, Deuil, France
Application April 22, 1938, Serial No. 203,667
In France April 22, 1937
1 Claim. (Cl. 88—17)

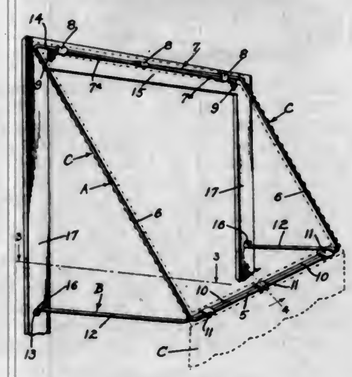
A motion picture camera, particularly applicable for cinematograph machine guns comprising a hinged front compartment provided with an object lens mounting protruding rearwardly from said compartment, and a central compartment adapted to receive a magazine box which is pushed laterally into said central compartment and provided in its front wall with a window opposite said object lens and with a spring pressed plate mounted inside the magazine box in front of said window and forming the guide passage for the film, the rear end of the object lens mounting extending, when the hinged front compartment of the camera is closed, through the window of the magazine box so as to press against said guide plate, whereby the distance between

the centre of the object lens and the film is kept constant, said magazine box further containing on one hand a tightly closed casing for the two spools of unexposed film and exposed film, and, on the other hand, a toothed driving drum for unwinding the unexposed film and located outside the casing, two bushings transversely located



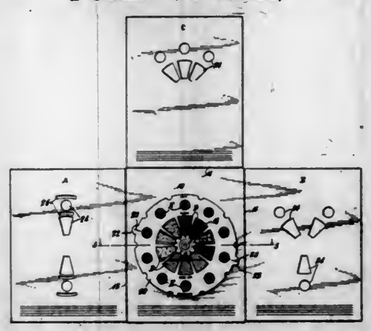
in the loader to which they are rigidly secured and supporting the driving drum and the spool of exposed film, two bushings secured to the camera and on which the first named bushings are loosely fitted, rotating shafts lodged within said bushings secured to the camera and means whereby said drum and spool are automatically coupled with said rotating shafts.

2,201,887
AWNING STRUCTURE
Bert A. De Bord, Temple, Tex.
Application July 22, 1939, Serial No. 286,028
3 Claims. (Cl. 156—42)



1. A frame structure for an awning comprising a frame member consisting of a lower longitudinal element, end elements extending upwardly from the terminals thereof and upper longitudinal elements extending inwardly from the upper terminals of the end elements, said upper longitudinal elements having lugs disposed approximately parallel to the end elements and adapted to be anchored in substantially the same plane as the end elements and in inwardly spaced relation from the latter so that said lugs will avoid contact with the awning fabric at or close to the end elements to prevent undue wear on the fabric and to prevent inward movement of the end elements, and a spreader attached to and extending inwardly from said lower longitudinal element to position the frame member in inclined position so that the frame member as a whole will be under tension through torque applied to said lugs.

2,201,888
COLOR PLANNER
Clarence Deutsch, St. Paul, Minn., assignor to St. Paul White Lead and Oil Company, St. Paul, Minn., a corporation of Minnesota
Application November 7, 1936, Serial No. 109,776
1 Claim. (Cl. 88—14)

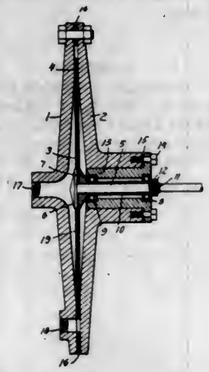


A color harmony chart comprising a base, a disk rotatably mounted on a stud secured to said base, said disk bearing a field of colors arranged in a circle having its center coincident with the axis of the disk and another field of corresponding colors but of other chromas disposed in radial alignment with said first named field of colors, Munsell system complementary colors being diametrically opposed and all of the colors arranged in spectrum order, a plurality of masks each hinged to a different marginal extremity of said base to interchangeably overlie said color fields and each having openings therein of different arrangement whereby to expose selective portions of said color fields in harmonious color and chroma combination, one of said masks having openings adapted to expose oppositely disposed colors, another of said masks having openings adapted to expose analogous colors, and another of said masks having openings adapted to expose a selected color and the colors adjacent its opposite color, said stud projecting slightly above the surface of said disk whereby to engage an overlying mask and space the same from the disk to facilitate rotation of the disk when a mask is in overlying operative position, and said disk having peripheral offset portions by means of which it may be rotated when a mask is operatively positioned to selectively vary the exposed combination of colors.

2,201,889
COLLOIDAL MILL
Lewis M. Dixon, Sea Cliff, N. Y., assignor to Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y.
Application July 3, 1937, Serial No. 151,888
3 Claims. (Cl. 83—8)

1. A colloidal mill characterized by a thin, flexible, smooth surfaced, rotatable disc grinding element having a diameter between one hundred seventy-five and two hundred five times its thickness, rigidly mounted on a shaft, and two internally concave circular casing members each having a ringlike grinding surface closely adjacent to the outer circular portion of one of

the two side surfaces of said disc, and in spaced relationship thereto, the order of magnitude of



the spacing being sufficiently close to effect grinding of colloidal material.

2,201,890
COLLAPSIBLE STRETCHER
John Stephen Dunn, Syracuse, N. Y.
Application January 27, 1939, Serial No. 253,217
4 Claims. (Cl. 5—82)



1. A collapsible stretcher comprising a pair of channel shaped sections, means hingedly securing said sections together, a pair of hand rails for each section and disposed in parallel relation to the sides thereof, supporting arms secured to said sections and said rails for supporting a rail of one section in alignment with an adjacent rail of the other section when the sections are in extended position, interengaging locking means carried by said rails, a pair of locking sleeves slidably carried by certain of said rails and engageable about said locking means to hold said locking means in locked position, and a foot supporting member carried by an end of one of said sections and projecting in the direction of the open side of the channel thereof.

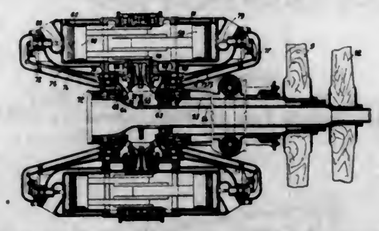
2,201,891
COATED AND IMPREGNATED FABRIC
Donald Edwards Edgar, Philadelphia, and Paul Robinson, Llanerch, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 1, 1936, Serial No. 113,744. Renewed June 17, 1938
9 Claims. (Cl. 91—68)

6. A fabric having applied to at least one side thereof a composition comprising a urea-aldehyde-monohydric-alcohol resinous product, a substantially non-volatile blending agent, a softening agent and ortho-phosphoric acid, said resinous product containing said alcohol in combined form in amount of from about one-half to about one molecule of alcohol for each molecule of urea, said product yielding upon treatment with zinc chloride and acetic anhydride the acetate of said alcohol.

2,201,892
LEATHER FINISH
Donald Edwards Edgar, Philadelphia, and Paul Robinson, Llanerch, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 1, 1936, Serial No. 113,745. Renewed July 15, 1938
6 Claims. (Cl. 91—70)

1. A process for manufacturing patent leather which comprises subjecting leather to treatment with a composition comprising japanners' oil, applying over the coating or coatings applied in such treatment a coating comprising the resinous reaction product of urea, formaldehyde, and an aliphatic monohydric alcohol, and baking to harden said last mentioned coating, said resinous product containing said alcohol in combined form in amount of from about one-half to about one molecule of alcohol for each molecule of urea, said product yielding upon treatment with zinc chloride and acetic anhydride the acetate of said alcohol.

2,201,893
ENGINE AND PROPELLER
Eugène Gadoux, La Frette, and Louis Crousse, Paris, France
Application January 12, 1938, Serial No. 184,682
In France January 12, 1937
1 Claim. (Cl. 170—135.5)

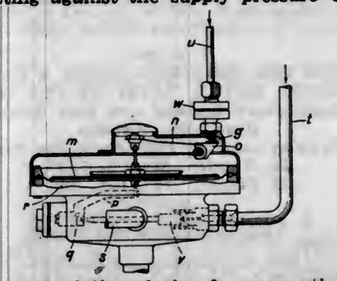


An engine comprising two co-axial propeller shafts rotatable in opposite directions, front and rear propellers on said shafts, a toothed crown carried by each of the propeller shafts, motor units including groups of front and rear cylinders parallel to the propeller shafts, and motor shafts arranged radially about said propeller shafts, a bevel gear wheel carried by each of said motor shafts and meshing with said toothed crowns, said cylinders including valves, a cam for operating the valves of the front group of cylinders secured to the toothed crown of the rear propeller shaft, and a cam for operating the valves of the rear group of cylinders carried by the toothed crown on the front propeller shaft.

2,201,894
PRESSURE REGULATOR
Gerhard Gerson, Essen-Rellinghausen, and Friedrich Wilhelm Nagel, Bochum, Germany
Application April 20, 1938, Serial No. 203,212
In Germany April 19, 1937
2 Claims. (Cl. 50—26)

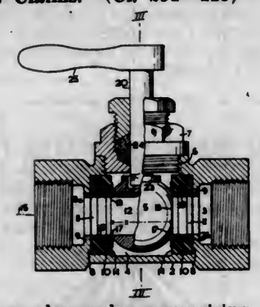
1. Apparatus for reducing the pressure and for maintaining constant the reduced pressure of fluids issuing under pressure from a supply cylinder, comprising a main regulating device including a valve responsive to changes in pressure for controlling the passage of the fluid, an auxiliary regulating device in direct communication only with the supply cylinder and controlled by the pressure in the supply cylinder, and control

members including a flat spring interposed between the main and auxiliary regulating devices and acting against the supply pressure on the



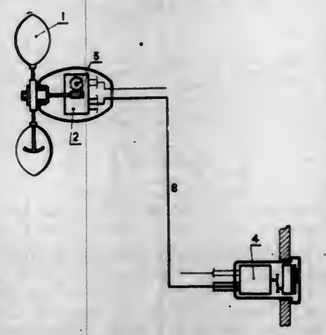
auxiliary regulating device for connecting said valve with said auxiliary regulating device whereby to automatically regulate the valve according to variations of pressure.

2,201,895
ROTARY PLUG VALVE WITH SPHERICAL PLUGS
Lauchlan McKinnon Glen, Durban, Union of South Africa
Application August 10, 1938, Serial No. 224,210
In Great Britain July 18, 1938
2 Claims. (Cl. 251—113)



1. A rotary plug valve comprising a casing which provides a fluid passage, a chamber for the plug open at the top for insertion and withdrawal of the plug and seat members, and sockets on either side of and opening to said chamber and co-axial with the fluid passage, and having their bases rigidly spaced apart, said valve also comprising a removable cover for the chamber, seat members housed in said sockets and free to slide axially therein, said seat members being formed of resiliently yielding material so reinforced against bodily deformation as to leave said material intact at their external surfaces, said seat members providing axial cylindrical apertures in continuation of the casing passage, a spherical plug seated in the mouths of the apertures of the seat members and having in all its angular positions freedom of axial movement limited solely by the seat members, the plug being formed with a diametral passage which affords no communication between the valve passage and the plug chamber otherwise than through its end orifices while the plug is between its open and closed positions, the seat members being compressible and shiftable as a unit with the plug by line pressure when the plug is closed, and means engaging the plug for rotating it to bring its passage into alinement with or transverse to the seat member apertures, whilst leaving the plug always free for the aforesaid axial movement.

2,201,896
ELECTRIC VARIABLE PITCH LOG
Elie Granat, Paris, France, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France, a company of France
Application November 5, 1938, Serial No. 239,103
In France November 23, 1937
1 Claim. (Cl. 73—2)



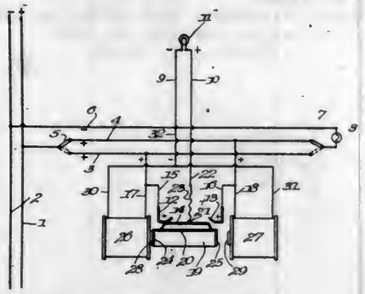
An electric log for aircrafts comprising a speedometer, a receiver controlling the speedometer, a transmitter including a hollow rotary shaft, a contact carried at each end of said shaft, stationary means for feeding current to said contacts, a distributor secured to the rotary shaft and constituted by conducting segments and insulating parts separating the segments, means arranged longitudinally of the rotary shaft for connecting the contacts thereof to the corresponding conducting segments, stationary brushes adapted to engage said conducting segments, polyphase wires connecting said brushes with the receiver for controlling the same, and a vane-wheel adapted to rotate at a speed depending on the speed of flight of the aircraft and comprising at least one variable pitch blade and a rotary shaft therefor drivingly connected with the hollow rotary shaft of the transmitter.

2,201,897
WIND MUSICAL INSTRUMENT
Edgar Z. Hall, Durham, N. C.
Application April 14, 1939, Serial No. 267,900
4 Claims. (Cl. 84—375)



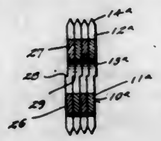
1. An instrument of the class described comprising a hollow body constituting a tonal chamber having a relatively wide open lip-receiving portion at one end into which the lip of a performer is adapted to extend, an upwardly extending flexible vibrating reed carried by the body and inset with respect to the outer edge of the lip-receiving portion whereby the outer edge of the lip-receiving portion will shield and protect the reed against injury by foreign objects, the upper edge of the reed being free to vibrate and against which the upper lip of a performer is adapted to rest, the tonal chamber having an outlet, and means for holding the reed within the body portion.

2,201,898
AUTOMATIC SWITCH
Julian Holiday, Springdale, Ky.
Application October 26, 1938, Serial No. 237,149
4 Claims. (Cl. 171—97)



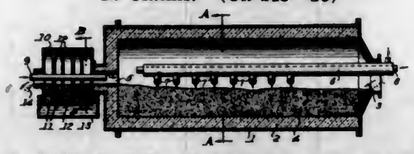
1. In an electrical distribution system of the class described, the combination with a main supply, a branch circuit connected to the main supply, said branch circuit including a three wire circuit having one of the wires connected to one of the main supply leads, switch means selectively connecting either of the other two wires to the other lead of the main supply, an electrically operable member connected to the first mentioned wire, switch means for controlling the connection of the branch circuit to the operable member, a second operable member, a secondary circuit connecting the second operable member to the branch supply, means for maintaining the electric connection of the secondary circuit with the branch supply circuit when the current to the operable member is cut off, said means including a movable magnetically operable member connected to the branch circuit when the circuit to the operable member is closed, and means for automatically moving said magnetically operable member to establish a circuit connection of the secondary circuit with the branch circuit when the circuit to the operable member is rendered inoperative.

2,201,899
SHOE REPAIRING MACHINE
Nathan Jaffe, Chattanooga, Tenn.
Application March 15, 1939, Serial No. 262,063
3 Claims. (Cl. 69—1)



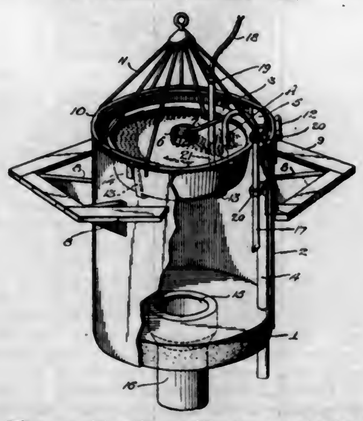
1. In a leather grooving means, a bodily revoluble group of abutting stationary blades, each including a disc-like axially apertured body portion having integral with its outer edge a series of closely related radially disposed frusto-tapered arms of like form each having its outer end terminal portion oppositely inwardly beveled to form it with a sharp outer curved cutting edge portion disposed on a line extending between and spaced from opposite faces of the arm with which the edge portion is correlated, the said oppositely inwardly beveled end terminal portion being of V-form, the apertures of said body portions providing for the mounting of the group on a revolving means for the latter, and said blades having correlated inherent means to prevent the shifting of one blade of the group relative to an adjacent blade on the revolving of the group.

2,201,900
METHOD FOR DECARBONIZING A CARBON HOLDING METAL, SUCH AS PIG IRON
Bo Mikael Sture Kalling and Ivar Rennerfelt, Djursholm, Sweden
Application April 26, 1938, Serial No. 204,282
In Sweden May 5, 1937
12 Claims. (Cl. 148—16)



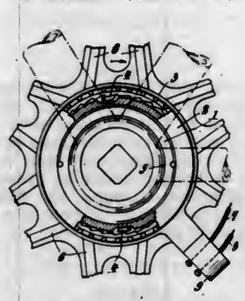
1. Method of decarbonizing iron at a temperature below its melting point, which comprises passing the iron in finely divided form continuously through a revolving, internally heated, tubular furnace, heating it to a decarbonizing, non-melting temperature by combustion of CO-gas produced in the charge by means of free oxygen supplied into the furnace by causing air to blow against the inclining surface of the longitudinally moving charge so as to cause oxidation of CO to CO_2 in close proximity to the hot, gas producing charge, substantially when the particles are passing downwards along the inclining surface of the charge.

2,201,901
HEATING DEVICE FOR WATER FOUNTAINS
Everett M. Keen, Vineland, N. J.
Application December 29, 1938, Serial No. 248,325
4 Claims. (Cl. 219—38)



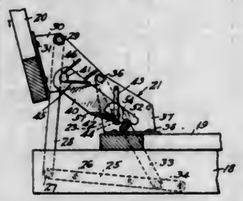
1. The combination with a receptacle and a water supply pipe extending to the receptacle, of a tubular member having a portion thereof extending in heat exchange relation to said pipe and containing an electric heating element, an insulated conductor entering one end of said tube and connected to said heating element, a portion of the tube adjoining said end being immersed in the water in said receptacle and thereby insulating said end against passage of heat by conduction from the actively heated portion of the tube, and sealing means for the ends of said tube.

2,201,902
BRAKE DEVICE FOR CYCLES
Franz Kormann, Graz, Germany, assignor of one-third to Otto E. Müller, Philadelphia, Pa., and one-third to Christian Prell, Asch, Czechoslovakia
Application June 28, 1938, Serial No. 216,378
In Austria July 25, 1936
1 Claim. (Cl. 192—5)



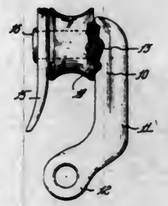
A back pedalling brake for cycles comprising front and rear wheels, brake members associated with said wheels, a chain drive for one of said wheels including a toothed chain wheel, a crank axle and a bearing for said axle, a bearing ring having an inside diameter larger than the outside diameter of said bearing, means securing the bearing ring to the chain wheel on the side adjacent the bearing, a second bearing ring having screw thread connection with the first mentioned ring and forming therewith a self contained rim, an internally toothed ratchet rim rotatably mounted between the bearing rings, pawls freely movable between the rings and connected with one of the latter and engageable with the teeth of the ratchet rim to rotate the latter only in the back pedalling direction of movement of said crank axle, a radial arm on the ratchet rim, and freely accessible connections between said arm and the brake members of the front and rear wheels.

2,201,903
HINGE FOR SOFA BEDS
Abraham Krakauer, Brooklyn, N. Y., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York
Application October 25, 1939, Serial No. 301,126
9 Claims. (Cl. 16—146)



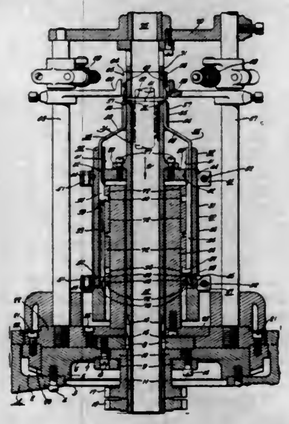
8. In a hinge of the character described, means for supporting the hinge for rotation as a unit when the hinge is locked, a pivoted locking member, a releasing pawl for the locking member, said pawl having a single slot therein, and a pivot for the pawl passing through the slot and into the locking member and supporting the pawl for sliding movement under the influence of gravity on rotation of the locked hinge as a unit.

2,201,904
HOOK FOR CARGO SLINGS
Frank A. Lallier, Brownsville, Tex.
Application August 3, 1939, Serial No. 288,225
1 Claim. (Cl. 294—74)



A hook for use in connection with cargo slings comprising a body portion one end of which is rounded to provide a bearing surface at one side thereof and the other end curved inwardly and terminating in an eye for attaching the hook to a chain or other flexible connection forming the cargo sling, a stout gudgeon formed integrally with the body portion from which it projects outwardly at the center of the aforementioned bearing surface, a grooved roller mounted for rotation on the gudgeon, and a guard member welded on the outer end of the gudgeon for retaining the roller thereon, said guard member having a tapered projection extending parallel with the body of the hook beyond the periphery of the roller towards the attaching eye leaving an entrance opening for the chain or flexible connection.

2,201,905
KNITTING MACHINE WITH INTERCHANGEABLE NEEDLE CARRIERS
Walter Larkin, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del., a corporation of Delaware
Application April 26, 1939, Serial No. 270,242
11 Claims. (Cl. 66—115)



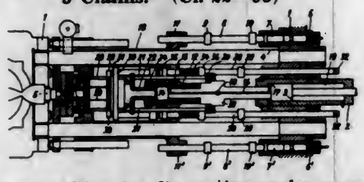
4. A rigid walled knitting machine needle carrier provided with laterally spaced parallel slots extending completely through one wall thereof, and a longitudinally grooved needle support removably mounted in each slot.

2,201,906

MACHINE FOR DIE CASTING UNDER PRESSURE

Karl Lebküchner, Granichen, Switzerland, assignor to the firm Injecta Aktiengesellschaft, Teufenthal, Canton of Argovie, Switzerland

Application May 27, 1938, Serial No. 210,529
In Switzerland May 29, 1937
5 Claims. (Cl. 22—93)



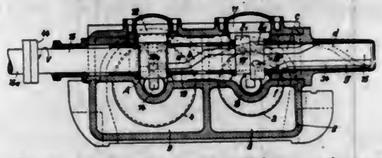
1. In a machine for die casting under pressure, a frame, a mould comprising a stationary and a movable half, a slidably arranged block carrying said movable half, a first cylinder secured to the frame and containing a hydraulically operated piston for closing and opening the mould, a piston-rod attached to said piston, a second piston secured to said piston-rod, a core plate rigidly connected with said piston-rod with the help of suitable connecting-means, a second cylinder secured to said block and containing said second piston, a pressure medium in said second cylinder and on one side of said second piston, a conduit for permitting the volume of said pressure medium to be increased and diminished, thus allowing a relative movement between said core plate and said block.

2,201,907

VALVE GEAR FOR REVERSIBLE RECIPROCATING FLUID PRESSURE ENGINES, ESPECIALLY FOR LOCOMOTIVES

Hugo Johannes Lentz, Vienna, Austria

Application February 23, 1938, Serial No. 192,121
In Great Britain August 7, 1937
4 Claims. (Cl. 121—127)



1. Valve gear for reversible, reciprocating fluid-pressure engines, especially for locomotives, comprising in combination an axially shiftable cam shaft, two admission and at least one exhaust control cam loosely mounted on said cam shaft and secured against lateral displacement, said cam shaft having in its circumference control grooves, coupling elements connected one to each of said control cams and engaging in said grooves, the pitches of the groove sections coordinated to each cam being different so that at the axial displacement of said cam shaft the individual cams are set independently through a different angle according to its function.

2,201,908

SEMISTIFF COLLAR

John Dorman McBurney, Newburgh, N. Y., and Edgar Hugo Nollau, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application February 5, 1935, Serial No. 5,078
4 Claims. (Cl. 154—46)

1. A semistiff collar comprising a plurality of textile fabric layers firmly bonded together by means of thermoplastic adhesive consisting, other than pigment, of a cellulose derivative and a plasticizing agent therefor, said plasticizing agent containing a thermoplastic synthetic resin compatible with the cellulose derivative and said plasticizing agent being present exclusive of the resin in amount between .4 and 3 parts to each



part of cellulose derivative, the amount of the resin in the plasticizing agent being substantially equal in amount to the cellulose derivative, said adhesive being soft at temperatures between 250° F. and 350° F. and sufficiently flow resistant at temperatures of boiling water to prevent migration of the adhesive through the fabric layers, said collar being capable of withstanding repeated launderings and pressings.

2,201,909

BOREHOLE INCLINATION TRANSMITTER

Donald E. McKee, Fort Worth, Tex., assignor of one-half to H. F. Spreen, Fort Worth, Tex.

Application May 19, 1936, Serial No. 80,516
3 Claims. (Cl. 177—380)



1. A borehole inclination transmitter comprising a casing capable of insertion in a borehole, a pendulum within the casing and suspended for universal motion therein, a contactor on the pendulum at the extremity thereof, a plurality of concentric spaced contact rings positioned in cooperable relation to the contactor on the said pendulum, a multiple code transmitter means, means under the control of said transmitter means for striking the casing in conformance with a code, circuit means controlled by the engagement of the contactor with a contact ring for selecting the code transmitted by the transmitter means.

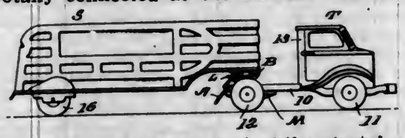
2,201,910

TOY VEHICLE

Ewald W. Meienborn, Keene, N. H., assignor to Kingsbury Manufacturing Company, Keene, N. H., a corporation of New Hampshire

Application March 4, 1939, Serial No. 259,871
6 Claims. (Cl. 46—202)

2. In a toy vehicle including a semi-trailer unit and a tractor unit having a coupling element, the provision of cooperating coupling means on the trailer unit with which the coupling element on the tractor unit is adapted to engage, a supporting member pivotally mounted at the forward end of the semi-trailer unit for maintaining the same in an elevated position for a subsequent coupling operation when the units are disconnected, and means including a locking member pivotally connected at the forward end of the



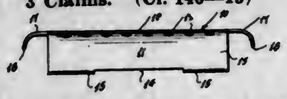
semi-trailer unit independent of the pivotal connection of said supporting member and spaced therefrom for engaging said supporting member to maintain the same in a supporting position when the units are disconnected, said locking member and said supporting member being shiftable to an inoperative position by engagement with the tractor unit during the coupling operation.

2,201,911

NUT SHELLER

Frank E. Mizera, Waco, Tex., assignor of one-half to Marguerite Kubitza, Waco, Tex.

Application December 29, 1938, Serial No. 248,318
3 Claims. (Cl. 146—13)



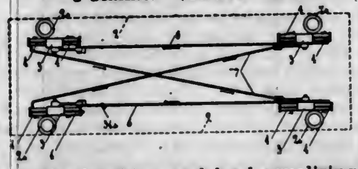
1. A nut sheller comprising a body portion bent longitudinally to provide a rounded intermediate portion, the longitudinal edges of said body portion being disposed in spaced apart relationship, flanges formed integral with said edges, adjacent their ends, and bent to project inwardly, the free edges of said flanges being serrated and spaced from the free edge of the adjacent flange, tapered prongs provided with downturned free ends formed integral with the ends of said body portion and intermediate the longitudinal edges thereof.

2,201,912

SHOCK ABSORBING AND LOAD EQUALIZING OR STABILIZING MEANS

John William Morgan, Auckland, New Zealand, assignor of one-half to Horace Paykel, Auckland, New Zealand

Application October 11, 1937, Serial No. 168,498
In New Zealand October 17, 1936
3 Claims. (Cl. 280—124)



1. Shock absorbing and load equalizing apparatus comprising, a vehicle frame, two front wheels and two rear wheels for supporting opposite sides of the frame, a pair of oppositely arranged cylinders mounted on the frame adjacent each wheel, a second pair of oppositely arranged cylinders mounted substantially parallel to each of the first pairs of cylinders, a plurality of lever arms each actuated by relative movement of one

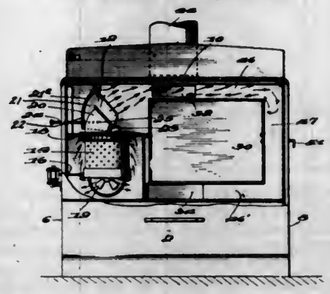
wheel with respect to the frame, a piston mounted for reciprocation in each cylinder, separate means connecting each lever arm with all of the pistons of the cylinders adjacent each wheel for moving the respective pistons in response to relative movement between the associated wheel and the frame, a pipe connecting one cylinder of the first mentioned pair adjacent the left rear wheel with a cylinder of the first mentioned pair adjacent the right front wheel, a pipe connecting the other piston of the first mentioned pair adjacent the left rear wheel with the cylinder of the first mentioned pair adjacent the left front wheel, a pipe connecting one cylinder of the first mentioned pair adjacent the right rear wheel with the other cylinder of the first mentioned pair adjacent the right front wheel, a pipe connecting the other cylinder of the first mentioned pair adjacent the right rear wheel with the other cylinder of the first mentioned pair adjacent the left front wheel, a hydraulic medium filling said pipes and the first mentioned cylinders, one cylinder of the second mentioned pairs each having resilient means therein, conduit means connecting all of the remaining cylinders of the second mentioned pairs, and a fluid supply filling the second mentioned pairs of cylinders and the conduit means.

2,201,913

HEAT CONTROL FOR OIL STOVES

Luke Octave Morin, Jr., and Rob Roy Shelton, Chattanooga, Tenn., assignors, by mesne assignments, to Hamilton National Bank of Chattanooga, Chattanooga, Tenn., a corporation

Application June 17, 1938, Serial No. 214,330
13 Claims. (Cl. 126—44)



2. A stove comprising in combination an oil burner, a cooking top above said burner, an oven, and a hood having substantially the shape of an inverted U, pivoted on a horizontal axis to swing substantially clear of the flame issuing from the top of the burner for allowing the flame to heat the cooking top, and to swing over the top of the burner for directing the flame therefrom toward the oven.

2,201,914

FINISHING SYSTEM

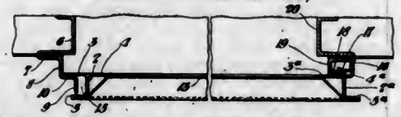
Edmund F. Oeffinger, Aldan, and Harry G. Stauffer, Drexel Hill, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 1, 1936, Serial No. 113,704. Renewed July 29, 1938
6 Claims. (Cl. 260—21)

1. A finishing composition comprising the resinous reaction product of urea, formaldehyde and monohydric aliphatic alcohol, a plasticizer, and a fossil resinous material, said resinous reaction

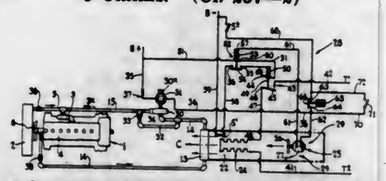
product containing said alcohol in combined form in amount of from about one-half to about one molecule of alcohol for each molecule of urea, said product yielding upon treatment with zinc chloride and acetic anhydride the acetate of said alcohol.

2,201,915
RAILWAY CAR DOOR CONSTRUCTION AND SEAL
Finn Oyen, Dormont, Pa., assignor to Railroad Research Bureau, a corporation of New Jersey
Application April 13, 1939, Serial No. 267,673
3 Claims. (Cl. 20—26)



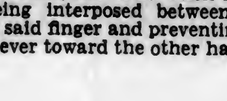
1. In combination with a front stop member, a railway car door including a plurality of commercial shapes rigidly connected together to provide a continuous frame structure and including a commercial shape T-shape having its leg bent parallel to one of its flanges to provide extending spaced flanges forming a spark-seal pocket.

2,201,916
BUS HEATING SYSTEM
Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application February 20, 1936, Serial No. 64,881
6 Claims. (Cl. 237—2)



5. A heating system for an "all-purpose" automotive vehicle of the gas-electric type having a power plant comprising an internal combustion engine provided with fluid-filled cooling elements including a fluid-filled radiator and fluid-circulating conduits; having also an electro-power-plant including a generating means adapted to be driven by said engine, and an electric motor; also electric operating and controlling circuits adapted to be energized by electric current derived selectively from any suitable source, such as said generator or an outside conductor of power current; and said vehicle also having means to permit manual control of said selective operation of said vehicle; said heating system being characterized by a fluid-filled heater element, conduits and a primary impelling means, energized by operation of the engine, to effect intercirculation of fluid between said heater element and the fluid-filled instrumentalities of said engine; being characterized also by a heater element adapted to be energized by electric current derived from any suitable source thereof, such as the source of power current; also by air-circulating means comprising suitable compartments associated with said fluid-circulating instrumentalities and with said electrically heated element, and constituting means to effect interchange of heat between a suitable supply of air and said heating elements respectively; blower means adapted to circulate said air in said compartments to cause delivery of heated air to the passenger compartment of said vehicle; and at least one motor to actuate said blower means; an electric battery, electric circuits, comprising a circuit including said electric motors and battery; and a circuit including said heating elements; and conductors therebetween; and controlling devices to permit selective operation of said heater elements; said instrumentalities cooperating to heat said passenger compartment selectively by heat derived from said engine and by heat derived from said source of electric current; and to heat the fluid in said conduits by heat derived from said electric heating elements at times; and an auxiliary impeller adapted to cause circulation of said fluid in the radiator and jackets when said engine is not in operation, thereby reversing said system.

2,201,917
ROOF SHINGLE
Roscoe T. Perkins, Springfield, Oreg.
Application May 26, 1939, Serial No. 275,993
2 Claims. (Cl. 108—24)



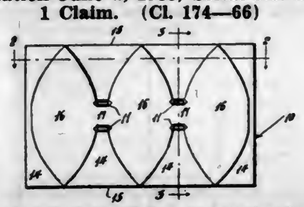
1. Shingles for covering ridges of roofs comprising prepared pairs of shingles tapering from the butt ends thereof to the opposite ends thereof, one shingle of each pair of shingles being of less width than the companion shingle thereto and each shingle having a beveled edge and adapted to be laid for closing the ridge of the roof with the wider shingles overlapping the narrower shingles and nailed in place, said narrower shingles having their beveled edges concaved with the wider shingles drawn into the concavities thereof by said nails.

2,201,918
WRENCH
William Petersen, De Witt, Nebr.
Application July 9, 1938, Serial No. 218,400
2 Claims. (Cl. 81—84)



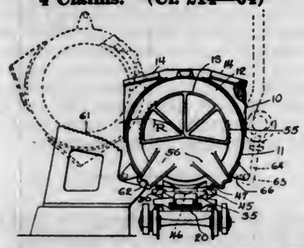
1. In a wrench having a handle having a fixed jaw integral therewith, a movable jaw pivotally attached to the handle to move toward the fixed jaw and having an ear spaced from the handle, an articulated lever having two pivotally coupled sections, one section being pivotally coupled with said ear, means carried by the handle forming an adjustable fulcrum with which the other section is movably connected, resilient means urging the movable jaw away from the fixed jaw, one section being extended to form a second handle, a finger carried by the other section and directed toward the handle forming portion of the said other section and engageable with the second handle only when the lever is broken toward the first handle, a longitudinally slotted elongated slide member carried by the second handle, and a pin secured to the second handle and engaging in the slot of the slide to limit longitudinal movement of the slide, the slide when moved to one position being interposed between the second handle and said finger and preventing the breaking of the lever toward the other handle.

2,201,919
ELECTRIC BASE PLATE
William L. Prendergast, Fort Smith, Ark.
Application June 2, 1938, Serial No. 211,470
1 Claim. (Cl. 174—66)



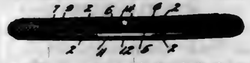
In an electric base plate, a plate having a plurality of longitudinally disposed pairs of transversely arranged openings, each pair of openings being arranged in spaced relationship to the adjacent pairs, said plate being adapted to cover a plurality of outlets with the openings in each of the pairs communicating with the contacts of one of said outlets to form a plurality of electric sockets, said plate being provided with a plurality of grooves disposed transversely thereof and extending inwardly from its longitudinal edges, the sides of said grooves converging inwardly with each of the grooves communicating with one of the openings at its converging end, said grooves increasing in depth toward their converging ends, said grooves forming oval shaped thickened portions disposed transversely of the plate and between said pairs of openings, said thickened portions converging toward the opposite longitudinal edges of the plate, and restricted thickened portions extending between the openings of each of said pairs and connecting with the oval shaped thickened portions to form abutments at the adjacent sides of the openings of each of said pairs.

2,201,920
HOT METAL CAR
John D. Pugh, Baltimore, Md.; Addie A. Pugh and F. Howard Smith, executors of said John D. Pugh, deceased, assignors to Addie A. Pugh, Baltimore, Md.
Original application January 22, 1935, Serial No. 2,955. Divided and this application December 9, 1936, Serial No. 115,009
4 Claims. (Cl. 214—64)



1. The combination of a hot metal car or the like with means for discharging the contents thereof comprising a container mounted upon wheeled supporting trucks, a stationary fulcrum disposed laterally adjacent said car, and a way provided beyond said fulcrum, cooperating means disposed upon one side of said container for contacting said fulcrum, and a surface of revolution provided on said container for contacting with and rolling upon said way after said container is tilted upon said fulcrum, whereby said container may be substantially inverted for dumping purposes.

2,201,921
PACKAGE FOR STRIP LABELS
Thomas Riley, South Norwalk, Conn., assignor to J & J Cash, Incorporated, South Norwalk, Conn., a corporation of Connecticut
Application January 27, 1939, Serial No. 253,184
5 Claims. (Cl. 206—51)



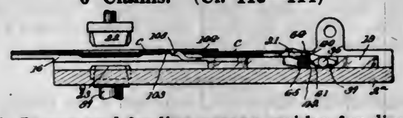
1. A holder for name strip labels comprising a card having prongs struck therefrom under which the labels can be positioned, said prongs arranged in a horizontal row and two of the prongs spaced apart the length of a name on a label, with slip end covers in the form of envelopes each having a back extending beyond its mouth adapted to removably embrace the card and assembled strip labels at each end whereby the part of the label between said specified prongs will be exposed when the extended backs of the envelopes abut over the card and labels.

2,201,922
STRUT FOR CYCLES AND SIMILAR VEHICLES
Anders Johan Emil Rylander, Stockholm, Sweden
Application May 27, 1938, Serial No. 210,494
In Sweden May 28, 1937
4 Claims. (Cl. 280—301)



1. In a bicycle, a frame structure and a supporting device secured to said frame structure, said supporting device comprising a rod arranged to be turned from an upright position into engagement with the ground, a blocking device for locking said rod in its turned-down position, and a resilient spring arranged to tend always to turn said rod into its upright position and to put said blocking device into operative position.

2,201,923
CAN END FEEDING MECHANISM
Otto A. Schmitt, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application November 10, 1937, Serial No. 173,931
6 Claims. (Cl. 113—114)



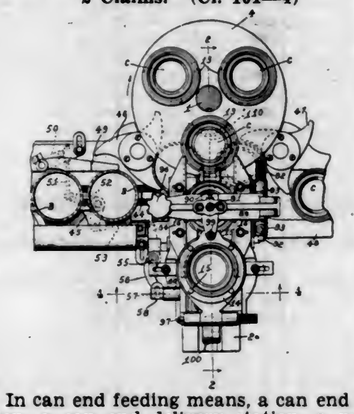
1. In can end feeding means, guides for directing travel of the can ends, a reciprocating slide movable parallel with the guides, means for reciprocating the slide, a feed dog carried by the slide and movable from raised to lowered position, means for moving said dog to raised position and including a friction drag actuated

element for holding the same in raised position during the forward movement of the feed slide, and means for lowering the dog during the retracting movement of the slide.

2,201,924
CAN END FEEDING AND MARKING MECHANISM

Otto A. Schmitt, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Original application November 10, 1937, Serial No. 173,931. Divided and this application September 2, 1938, Serial No. 228,237
2 Claims. (Cl. 101—4)



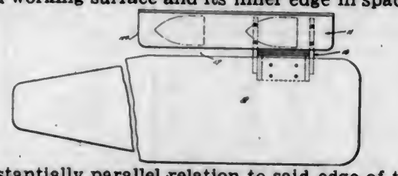
1. In can end feeding means, a can end supply station, a can end delivery station, a marking station between said supply and delivery stations, can end marking devices at said marking station, a pair of laterally spaced guide rails having opposed grooves therein extending at a single level from the supply station to the delivery station for receiving extreme lateral edge portions only of can ends being fed from the supply station to the marking station and from the marking station to the delivery station, a continuously reciprocated can end feeder movable between said rails and having spaced can end feeding fingers engageable with can ends for moving them from the marking station to the delivery station and a four motion feed dog engageable with can ends at the supply station for feeding them to the marking station, said grooves constituting the sole means of support for said can ends, said marking devices including an element movable upwardly between the spaced fingers to lift can ends during marking thereof and prevent contact of said fingers with can ends at the marking station and during retraction of the feeder, said grooves being interrupted upwardly at the marking station to permit lifting and lowering movement of can ends at the marking station, means effective upon each retraction of the feeder for lowering the dog to avoid contact thereof with can ends at the supply station, and means for again lifting the dog into effective position after it has passed beneath can ends at the supply station.

2,201,925
COMBINED IRONING BOARD AND IRON SUPPORT

Walter M. Schwartz, Philadelphia, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application March 10, 1939, Serial No. 261,072
3 Claims. (Cl. 38—107)

1. In combination with an ironing board having a butt portion having a substantially straight rear edge and a working surface, an elongated iron support extending along said edge and having its upper surface substantially coplanar with said working surface and its inner edge in spaced



substantially parallel relation to said edge of the ironing board and a supporting connection between the board and the rear end of the iron support disposed adjacent the free end of the butt portion of the board.

2,201,926
RESIN SOLUTIONS FROM DIETHERS OF DIMETHYLOL UREA

Ben E. Sorenson, Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 17, 1937, Serial No. 180,455
2 Claims. (Cl. 260—29)

1. A process for forming urea-formaldehyde resinous solutions which comprises heating crystalline di-ether of di-methylol urea alone under a reflux condenser and continuing the heating therein of the molten di-ether until the polymeric ether of methylene urea is formed and the liberated hydroxylated solvent dissolves said last-mentioned ether.

2,201,927
METHYLOL UREA ETHERS AND PROCESS FOR MAKING SAME

Ben E. Sorenson, Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 17, 1937, Serial No. 180,456
5 Claims. (Cl. 260—553)

1. A process for preparing an ether of a methylol urea which comprises reacting in the presence of an acid catalyst methylol urea wet with water to the extent of at least 5% with a saturated monohydric alcohol in which the alcoholic hydroxyl group is attached through acyclic carbon to a hydrocarbon radical, said alcohol being selected from the class consisting of aryl alcohols and normal, secondary and iso aliphatic alcohols, and neutralizing the acid catalyst after substantial completion of the reaction.

2,201,928
PROCESS FOR PREPARING A COLLOID OXYCHLORIDE OF COPPER

Pierre François Joseph Souviron, Tarbes, and Pierre Ernest Bigourdan and Paul Bebin, Paris, France

No Drawing. Application August 30, 1937, Serial No. 161,714. In France October 27, 1936
2 Claims. (Cl. 23—85)

1. A process for preparing an anticryptogamic oxychloride of copper presenting colloidal properties, which consists in calcining an ordinary oxychloride of copper without colloidal properties at a temperature of 250° to 350° C., hydrating the calcined product, and collecting the hydrated product when it has become green.

2,201,929
TREATMENT OF FIBERS OR FIBROUS MATERIALS CONTAINING KERATIN

John Bamber Speakman, Far Headingley, Leeds, England

No Drawing. Application December 9, 1935, Serial No. 53,687. In Great Britain December 10, 1934
14 Claims. (Cl. 167—87.1)

1. A method of giving a desired permanent form to fibrous substances containing keratin, which comprises treating the substance with an alkaline solution of a reducing agent free from sulphite at a pH of at least 10 and a temperature appreciably below the boiling point whereby to effect reduction and disruption of the constitutent disulphide or cystine bond of keratin with the formation of sulphydryl groups, and then, while maintaining the substance in a form which it is desired to render permanent, causing the formation of further cystine bonds through interaction of the sulphydryl groups by subjecting the fibers to the action of an oxidising agent comprising a per-compound.

2,201,930
SELF-LOCKING BOLT FOR AUTOMOBILE LICENSE PLATES

Louis Stark, Brooklyn, N. Y., assignor to Kastar, Incorporated, a corporation of New York

Application January 4, 1938, Serial No. 183,255
1 Claim. (Cl. 151—24)



A self-locking mounting structure for automobile license plates, comprising a threaded bolt, a slotted nut secured upon such threaded bolt for movement therealong, and a spring having convolutions tapering in diameter toward said nut and disposed about said bolt with the small diameter end thereof having a projecting lug for anchoring the end of the spring to said nut.

2,201,931
ARTICLE OF MANUFACTURE

David J. Sullivan, Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application December 31, 1937, Serial No. 182,725
7 Claims. (Cl. 91—68)

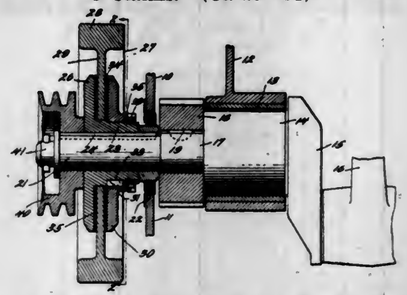


3. An artificial leather comprising a backing of fabric napped on one side and having secured to the opposite side thereof a layer of vulcanized rubber cement and an indurated layer of vulcanized rubber composition containing at least 67% of rubber and the remainder wood fiber and nonearthy material, the ratio of wood fiber to rubber being from about 3 parts of rubber by weight to 1 part of fiber, said fiber being about 1 mm. to 2 mm. in length and being uniformly disintegrated and dispersed through said composition by mastication, said composition being capable of retaining during vulcanization sharp embossing marks imparted to the unvulcanized coating, and a thin halogenated layer of shellac thereon, said coating being flexible and free from rubbery feel.

2,201,932
METHOD OF ASSEMBLING VIBRATION DAMPERS

Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Original application June 5, 1933, Serial No. 674,460. Divided and this application June 19, 1936, Serial No. 86,201
8 Claims. (Cl. 29—84)

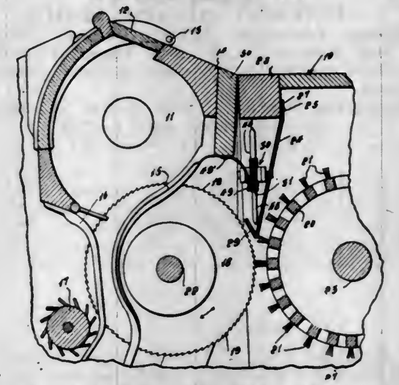


1. A method of assembling a vibration damper for crankshafts of the type including a part fixed to the crankshaft and a part oscillatable about the crankshaft axis, one of said parts including two elements capable of rotative displacement with respect to each other and with respect to the other of said parts, said elements having opposing faces between which the other of said parts is located and having rubber positioned between said last named part and each of said elements, which comprises the steps of vulcanizing the rubber to the intermediate part and to said elements, thereafter displacing said elements with respect to each other to apply tension to the rubber, and securing the elements together to maintain the rubber under tension.

2,201,933
SUPPLEMENTAL MOTE REMOVER FOR COTTON GINS

Charles E. Tucker, Davidson, Okla.

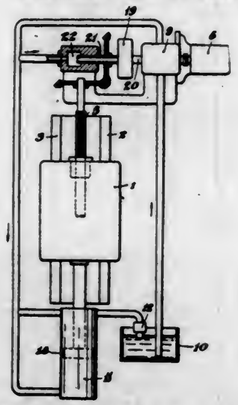
Application September 14, 1939, Serial No. 294,960
4 Claims. (Cl. 19—58)



1. In combination with saw means for engagement with linting cotton or the like, a trough disposed relatively close thereto to catch motes and other trash discharged therefrom by centrifugal force, means operable to remove the material caught by the trough, said trough forming part of a plate, said plate extending materially

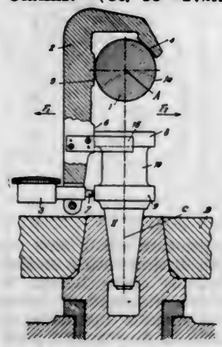
about the trough and being fastened at its upper edge, and a deflector plate above the trough in opposed relation to said plate.

2,201,934
SCREW SPINDLE RELIEVING DEVICE
Fernand Turrettini, Bellevue-Geneva, Switzerland, assignor to the firm Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application June 19, 1937, Serial No. 149,255
In Switzerland July 3, 1936
3 Claims. (Cl. 77—36)



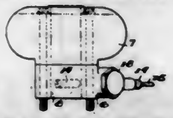
1. A relieving device for a screw spindle on which is displaced a movable member, a nut fixed to said member and operatively engaging the screw thread of said spindle, a motor for displacing said member on the screw spindle, intermediate movement transmitting means, a hydraulic power transmitter operatively connected to said member and adapted to transmit a relieving force thereto, a pump automatically actuated when said member shall be displaced feeding pressure fluid to said power transmitter, and fluid pressure responsive means adapted to cause said member to be displaced only upon pressure fluid being supplied to said hydraulic power transmitter.

2,201,935
CENTERING ALIGNING DEVICE
Fernand Turrettini, Bellevue-Geneva, Switzerland, assignor to the firm Societe Genevoise d'Instruments de Physique, Geneva, Switzerland
Application March 22, 1939, Serial No. 263,566
In Switzerland April 4, 1938
5 Claims. (Cl. 33—172A)



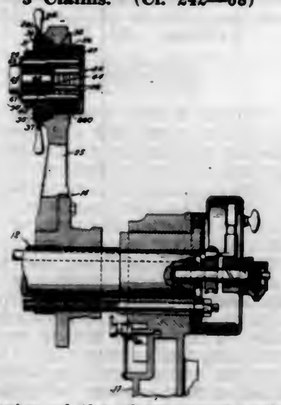
1. Centering aligning device for verifying that two not parallel geometric axes of two pieces are situated in the same plane, consisting of an angle bracket having two spaced plane abutting surfaces on the inner face of its long leg and a seat on its short leg, and of a comparator carried by the free end of the long leg and having a feeler extending perpendicularly to the planes of the abutting surfaces, said bracket being adapted to be placed by means of said seat and one of said abutting surfaces on the piece of one axis, and to cooperate by means of the other of said abutting surfaces and the feeler of said comparator with the piece of the other axis.

2,201,936
ANTIFREEZE DEVICE
Stephen Vorech, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application July 17, 1937, Serial No. 154,299
3 Claims. (Cl. 138—34)



1. In a device for introducing an antifreeze liquid into a fluid pressure system, a passage for fluid in said system, a receptacle for the liquid, a hollow tubular wick having one end in contact with the liquid and having its other end extending into said passage for conveying said liquid thereto by capillary attraction, a guide for said wick, a rod within the wick and extending throughout the length thereof and adjustable means including a spring pressed element cooperating with said guide for compressing said wick against said rod and controlling the degree of capillary attraction thereof.

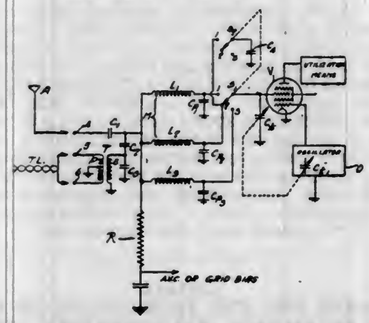
2,201,937
CHUCK
Henry A. Wise Wood, New York, N. Y., and Paul L. Tollison, North Plainfield, and Charles L. Ricards, South Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Original application December 7, 1936, Serial No. 114,546. Divided and this application June 26, 1937, Serial No. 150,650
3 Claims. (Cl. 242—68)



1. A device of the character described, com-

prising a relatively fixed bearing having an axial bore, a member axially movable within said bore, means for preventing rotation of said axially movable member, a rotatable tube fitted between said bearing and said member and having differential threaded engagement therewith whereby upon rotation of said tube said member will be fed axially but to a greater extend than said tube, an operating hand wheel for rotating the tube, said hand wheel being freely rotatable, means for preventing longitudinal motion of the hand wheel, and a chuck spindle carried by said axially movable member and mounted to rotate with respect to the same.

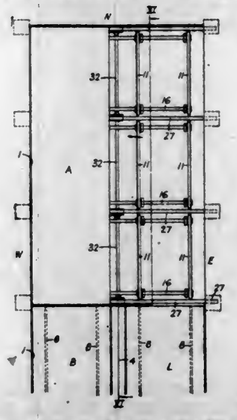
2,201,938
IMAGE REJECTOR CIRCUIT FOR RADIO RECEIVERS
Robert Benjamin Albright, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 5, 1938, Serial No. 183,542
In Great Britain January 9, 1937
10 Claims. (Cl. 250—20)



1. In a multiband superheterodyne radio receiver, a signal channel, a tuning condenser, a coil tunable to a desired signal in one wave band by said condenser, a second coil tunable to a desired signal in a different wave band by said condenser, each of said coils having one end connected in the signal channel, a wave band switch for connecting the other end of one coil in the signal channel for transferring desired signals in its wave band and for alternatively connecting the other end of the second coil in the signal channel for the transfer of desired signals in the second wave band, a condenser of predetermined capacity relative to the inductance of one of said coils, and means including a switch for serially connecting said last-mentioned coil and condenser in shunt with the signal channel to suppress undesired signals associated with the desired signals upon operation of said wave band switch to connect the first-mentioned coil in the signal channel.

2,201,939
GARAGE OR CAR PARK
Harold Auger, Burnham, and Ward Edgerly Pearson, London, England; Natalie Pearson Nicholson, executrix or administratrix of Ward Edgerly Pearson, deceased
Application September 17, 1938, Serial No. 230,488
In Great Britain September 25, 1937
5 Claims. (Cl. 214—16.1)

1. Storage equipment including aligned platform sections for supporting articles to be stored, arranged as a unit in two ranks, which ranks are side-by-side and on the same floor level, power actuated means associated with both ranks for moving all the platform sections in a rank simultaneously along the rank, and apparatus at each end of the ranks for transferring platform sections from an end of a rank to the adjacent end of the other rank, said transferring apparatus each comprising carriage apparatus adapted to support a platform section and movable transversely of the ranks so as to be adapted to trans-



fer platform sections between adjacent ends of the two ranks, means for supporting said end platform sections independently of the carriage, means for effecting relative vertical movement between said supporting means and the associated carriages for loading and unloading said carriages, and power actuated mechanism for effecting said carriage movement, at least one platform section position in the unit being left vacant to permit the platform sections to be circulated around the unit.

2,201,940
ALTERNATING CURRENT RECTIFIER
Etienne Barrey, Nanterre, Seine, France, assignor of fifty per cent to Maurice Joseph Louis Masnou, Paris, France
No Drawing. Application October 6, 1939, Serial No. 298,335. In France October 7, 1938
14 Claims. (Cl. 175—366)

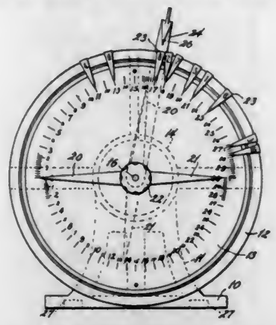
1. A dry electric rectifier comprising a copper plate, a copper oxide layer formed on the surface of said plate and a white metal dispersed in the copper oxide layer and adsorbed by the crystals forming said layer.

6. A method of manufacturing dry electric rectifiers according to claim 1, wherein copper plates are oxidised at high temperature and submitted during their oxidation to the action of the vapour of the white metal to be adsorbed.

2,201,941
TIMER
Henry D. Behr, Laurelton, Long Island, N. Y.
Application June 9, 1938, Serial No. 212,798
5 Claims. (Cl. 161—23)

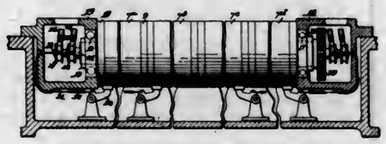
3. In a timer for measuring the duration of the projection of cinema films and for producing a cue signal for change-overs comprising, in combination, a supporting frame; spring wound clock mechanism mounted in said frame; a circular dial carried by said frame and having

upper and lower semi-circular scales of graduations in time units beginning at a common zero point and reading in opposite directions, the lower series being also provided with indicia denoting film footage in terms of film length per time unit; a winding shaft for the clock mechanism projecting through the center of the dial; a pair of integral diametrically opposed pointers on the shaft carrying a winding knob adapted to cooperate with the respective scales of graduations, one pointer arranged to be turned to the zero position to measure the time required to exhibit a reel of film and the length



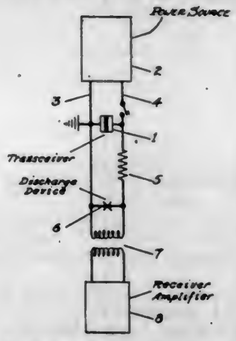
thereof, and the other pointer being adapted to be turned to a position on its scale corresponding with the measured duration allowing for a cue or change-over interval to measure elapsed time during the film exhibition; a cue signal operable by the clock mechanism when the last-named pointer reaches its zero position; a plurality of markers numbered to denote successive reels to be exhibited and adapted to be placed on the upper scale to denote the time required for exhibiting each reel of film; and a manually operable indicator arm cooperating with the markers to denote the number and proper sequence of several reels of film.

2,201,942
MULTIPLE POINT CONTROL FOR INKING MECHANISM
Carl Blomgren, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Original application January 30, 1934, Serial No. 708,933. Divided and this application July 8, 1937, Serial No. 152,489
2 Claims. (Cl. 101—348)



1. The combination with a fountain roll formed in sections substantially in contact end to end, a shaft on which said sections are located and normally free to turn, a longitudinally movable sleeve and a longitudinally movable rod in the sleeve, both concentrically located in said shaft, and means for moving the sleeve and rod independently, of a transverse pin carried by the rod and sleeve respectively, each of two adjacent sections having a slot by which said pins, or either of them, can connect the section to rotate the shaft.

2,201,943
SENDING AND RECEIVING CIRCUIT
Edwin Bertram Dallin, Arlington Heights, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application June 23, 1933, Serial No. 677,187
1 Claim. (Cl. 177—386)



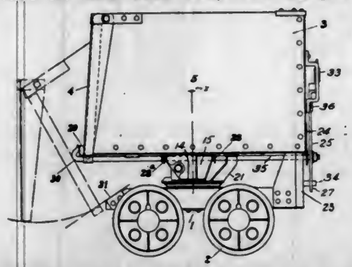
A sound transmission and receiving system including a transceiver having a high impedance, an electrical power source permanently connected to said transceiver and adapted to impress a difference of potential across the same, a receiver, means connecting said receiver to said transceiver including a shunt circuit having a resistance in one leg and means having initially a high resistance connected across the shunt between the resistance and receiver and adapted to discharge and short-circuit the resistance across the transceiver above a given difference of potential impressed upon the transceiver.

2,201,944
PROCESS FOR THE PRODUCTION OF CAPILLARY-ACTIVE SULPHONATION PRODUCTS
Martin Luther and Bruno v. Reibnitz, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application April 7, 1938, Serial No. 200,800. In Germany April 15, 1937
4 Claims. (Cl. 260—458)

1. The process of producing sulphonated compounds which comprises subjecting the unsaponifiable constituents of the oxidation products of high molecular non-aromatic hydrocarbons to a distillation under subatmospheric pressure, recovering the fraction boiling under a pressure of 15 millimeters (mercury gauge) between 100° and 220° C. and sulphonating this fraction.

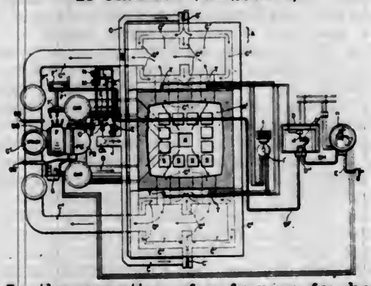
2,201,945
DUMP CAR
Alfred C. Schmohl, Beaver Falls, Pa., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application September 28, 1938, Serial No. 232,130
2 Claims. (Cl. 105—275)

1. A combination turntable and bearing support for a dump vehicle comprising a turntable base, a turntable cover supported on said base, upwardly extending bearing lugs spaced adjacent opposite sides of said turntable cover, an elongated aperture in each of said lugs above said cover each aperture being inclined downwardly and outwardly toward the base of said lug, a vehicle body supporting bearing disposed adjacent each said bearing lug, each said body supporting bearing having a suitably shaped top portion for engaging the vehicle body and a bottom portion engaging the turntable cover, each said bottom portion curving upwardly at its juncture with one body supporting bearing side wall to form a rocker shaped surface upon which the body turns in initial dumping movement, an aperture in each said body bearing portion, a



bearing pin substantially filling each said aperture and normally registering with the inclined lug aperture in spaced relation to the bottom thereof, said bearing pin registering with the bottom of said inclined lug aperture after the body supporting bearing rotates on its rocker shaped portion and providing a pivotal support for the body supporting bearing on the bearing lug.

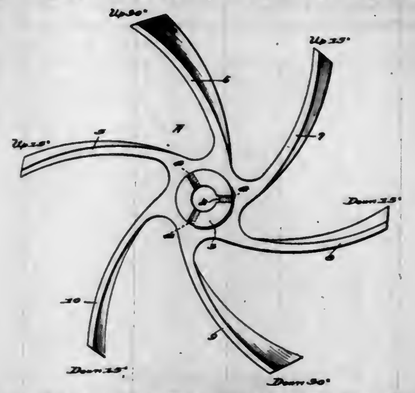
2,201,946
CONTROL SYSTEM
Anker E. Krogh, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 16, 1936, Serial No. 101,063
15 Claims. (Cl. 266—5)



1. In the operation of a furnace for heating and keeping hot a plurality of bodies of substantial heat absorbing capacity and which may be at different temperatures, the method which consists in regulating the supply of heat to said furnace by and in accordance with the collective effect of the temperatures at a plurality of furnace points at which the temperatures are significantly dependent on the temperatures of the said bodies, respectively adjacent the said points.

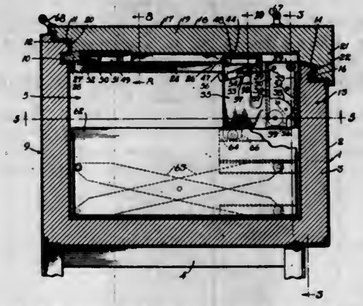
2,201,947
VARIPITCH SPIRAL BLADE IMPELLER OR TURBINE
Kenneth S. Valentine, New York, N. Y., assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio, a corporation of Ohio
Application March 16, 1938, Serial No. 196,296
4 Claims. (Cl. 259—103)

1. A varipitch spiral blade impeller or turbine including a plurality of curved blades, a certain number of which are twisted upwardly and a certain number downwardly toward their tips, the



center blade of the sets of blades twisting either upwardly or downwardly at a greater degree than those on either side thereof.

2,201,948
FILING CABINET
George E. Watkins, Tonawanda, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application October 23, 1936, Serial No. 107,221
15 Claims. (Cl. 45—2)

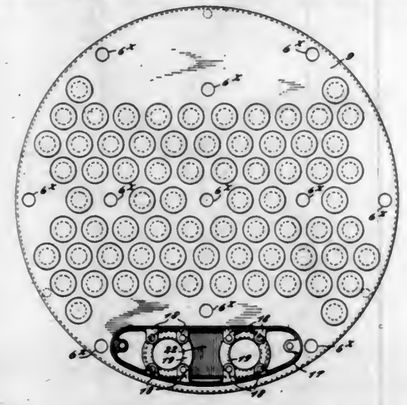


1. A file, comprising a cabinet formed to provide a compartment open at one side, a closure for the open side of said cabinet slidable into open and closed positions and movable to lie adjacent a side of said cabinet, a vertically extending track member on said cabinet, a rock member mounted on said track member for vertical rocking movement and linear travel on said track member; and means on said rock member and closure for detachably connecting said closure to said member whereby said rock member is engaged and supports said closure during the last portion of said opening and the first portion of said closing movement from said position adjacent a side of said cabinet.

2,201,949
WEIR RING AND DOWNCOMER ASSEMBLY FOR DISTILLING COLUMNS
Theodore O. Wentworth, Cincinnati, Ohio, assignor to The Vulcan Copper & Supply Co., Cincinnati, Ohio, a corporation of Ohio
Application December 16, 1936, Serial No. 116,109
3 Claims. (Cl. 261—114)

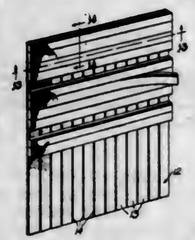
1. In a distilling column, a plurality of trays held in spaced relation within the column and a

downcomer assembly comprising a weir ring, the weir ring being mounted on the appropriate tray and having projected bracket arms, and a plurality of downcomer pipes having flanges, and



means connecting the flanges of the downcomer pipes to the bracket arms of the weir ring, the said pipes communicating with apertures in the tray at that area bounded by the weir ring.

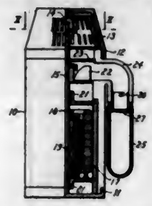
2,201,950
INDEX STRIP
Carl F. Wolters, Kenmore, N. Y., and Robert M. Ellis, Bound Brook, N. J., assignors to Remington Rand Inc., Buffalo, N. Y.
Application July 6, 1935, Serial No. 30,104
Renewed October 6, 1938
7 Claims. (Cl. 154—43)



1. A composite index sheet comprising a series of independent and separated index strips of elongated form arranged in coplanar edge-to-edge relation, a backing sheet coextensive with said series of strips, and adhesive means in narrow strip form at spaced intervals on said backing sheet extending transversely to said index strips for securing said strips to said backing sheet and forming a composite structure of substantially uniform thickness in which said strips are individually and readily removable from said backing sheet.

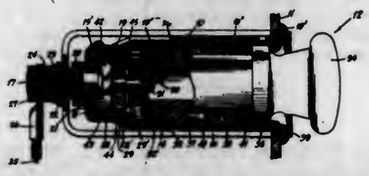
2,201,951
SAFETY RAZOR
Joseph L. Bronstein, Milwaukee, Wis., now by change of name Joseph L. Brans
Application July 7, 1937, Serial No. 152,340
9 Claims. (Cl. 30—43)

1. A safety razor comprising a stationary cutter, a rotary cutter, an electric motor having a stator connected with said stationary cutter and having a rotor connected with said rotary cutter, said stator and said rotor being relatively axially



displaced to produce on said rotary cutter a thrust urging said rotary cutter into shearing engagement with said stationary cutter.

2,201,952
CIGAR LIGHTER
Joseph H. Cohen, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application December 21, 1936, Serial No. 116,878
9 Claims. (Cl. 219—32)

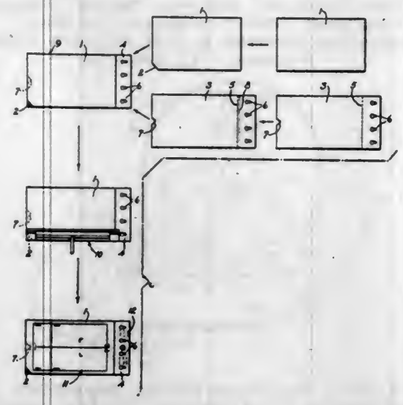


1. In an electric cigar lighter, the combination of a holder; a heating element; an igniting unit carrying the heating element and insertable within and completely removable from said holder for use; and heat-responsive means for connecting the heating element in circuit with a source of current when the unit is inserted in the holder and the heating element is below a predetermined temperature, said unit carrying the heating element at its inner end and being elongated forwardly of said element, said holder being in the form of a well elongated in the direction of elongation of the holder, and near its inner end being reduced laterally and having a side opening adjacent to its inner end, and said heat-responsive means includes a thermostatic element secured to the exterior of the holder at its laterally reduced portion and extended through said opening into the interior of the holder.

2,201,953
TOP PRINTED STENCIL AND METHOD OF MAKING
Robert A. Dalton, Fairfield, Conn., assignor to Remington Rand Inc., Buffalo, N. Y.
Application August 3, 1939, Serial No. 288,184
4 Claims. (Cl. 270—1)

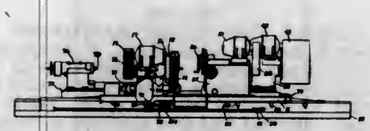
1. A method of making top printed stencils which consists in taking a stencil sheet and a backing sheet, removing a corner of the stencil sheet and attaching the opposite end to said backing sheet leaving an adjacent end portion of said backing sheet exposed to provide a stencil heading, the removed corner of said stencil leaving the adjacent corner of said backing sheet exposed, gripping said stencil and backing sheets at said removed and exposed corner and at said heading, feeding said stencil and backing sheets sideways while gripped, and printing on said stencil

sheet with one color and on said heading with



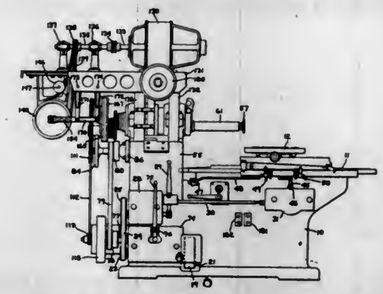
another color during the movement of said stencil sideways.

2,201,954
GRINDING MACHINE
Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 15, 1938, Serial No. 235,122
1 Claim. (Cl. 191—12)



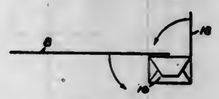
In a grinding machine having a base, a longitudinally reciprocable carriage thereon, a motor on said carriage, and means for conveying electric power to said motor during longitudinal reciprocation of said carriage including a longitudinally movable power cable carrier, a rotatable idler pulley thereon, a longitudinally extended inverted channel iron fixed to said base, said channel iron serving as a guideway for said carrier, an electric junction box fixedly mounted at one end of said channel iron, a flexible power cable having one end connected to said box, said cable extending along said channel and partially wrapping around said pulley, connections between the other end of said cable and the carriage, a second idler pulley on said carriage, a flexible belt which partially wraps around the latter pulley and has one end fixed to the end of said channel iron and the other end fixed to said reciprocable carriage, said belt serving as a support for the power cable when extended and also serving to move the carrier in one direction during the carriage movement, and independent means including a flexible cable which wraps around a third idler pulley on said carriage and has one end fastened to the carriage and the other to the base actuated by and in timed relation with said carriage to move said carrier longitudinally in the opposite direction and at one-half the speed of the carriage.

2,201,955
MICROLAPPING MACHINE
Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application February 3, 1939, Serial No. 254,447
9 Claims. (Cl. 51—43)



1. In a lapping machine, a work support, a rotatable lapping wheel, means relatively to reciprocate said work support and wheel, spindle bearings, a rotatable wheel spindle therefor which is axially movable within its bearings, means to rotate and revolve said spindle to impart a rotary and planetary movement to said lapping wheel, and means continuously to reciprocate said spindle axially within its bearings through a comparatively short stroke during the rotation and revolution of said spindle.

2,201,956
PACKAGE
John W. Little, Pawtucket, R. I., assignor to Forbes Lithograph Manufacturing Company, Chelsea, Mass., a corporation of Massachusetts
Application July 13, 1938, Serial No. 218,929
3 Claims. (Cl. 229—51)

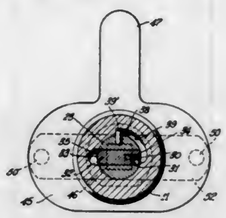


1. A package comprising a commodity, an inner wrapping sheet applied about the same in encircling relation to form an overlapping joint along a side of the commodity and having end portions infolded as superposed flaps, sealing material closing said joint and the joints of the end flaps, an outer wrapping sheet similarly applied about the commodity and the inner wrapper completely to enclose the same, the inner terminal portion of the outer sheet being operatively associated with the outer terminal portion of the inner sheet and having an exterior terminal portion exposed for traction thereon to initiate tearing away of a central zone of the wrappings between the ends of the package.

2,201,957
LOCK
Edwin W. North, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Illinois
Application June 27, 1938, Serial No. 215,958
6 Claims. (Cl. 70—216)

1. In a lock, a mounting, a spindle arranged

to turn in the mounting, a lock bolt arranged for radial movement in the spindle, mechanism arranged relative to said spindle for radially moving said bolt, a stopping member projecting radially of said spindle in predetermined circumferentially spaced relation to said bolt, stopping formations arranged in said mounting adjacent the periphery of said spindle along the path of movement of said stopping member and bolt, said



stopping formations being circumferentially spaced the aforesaid predetermined amount and engaged by said stopping member when the spindle is turned in opposite directions said amount to limit movement of the spindle, said bolt and stopping member being respectively positioned opposite one of said stopping formations when the spindle is in a predetermined position to lock the same against movement.

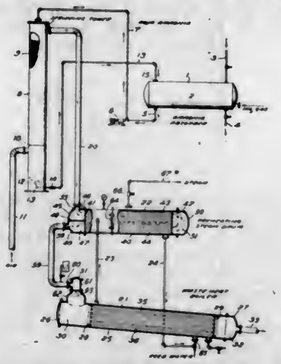
2,201,958

PREHEATING AMMONIA-AIR MIXTURES

Ralph S. Richardson, Scarsdale, N. Y., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware

Application December 4, 1937, Serial No. 178,137

4 Claims. (Cl. 23—288)



1. An ammonia oxidation system comprising in combination means for preparing an ammonia-air mixture, an ammonia burner having a gas inlet and a gas outlet, and a waste heat boiler comprising a water drum and a steam drum, the water drum being so connected with the gas outlet of the ammonia burner that the oxides of nitrogen issuing therefrom are conducted in heat exchange relation with the water in the water drum, means connecting the steam drum with the gas inlet of the ammonia burner, and means for conducting the ammonia-air mixture in indirect heat exchanging relation with the contents of the steam drum on its way to said ammonia burner.

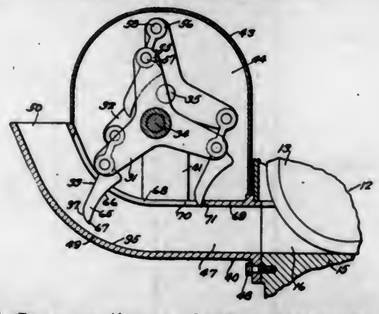
2,201,959

FEEDING MECHANISM

Oscar C. Schmidt, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a corporation of Ohio

Application December 5, 1938, Serial No. 244,041

8 Claims. (Cl. 198—223)



1. In a continuous feeding mechanism, the combination of a material feeding member, spaced pivots on said member, a rotatable carrier for each of said pivots, the axes of rotation of said carriers being spaced laterally from each other, the normal angular relation between the pivotal axes of said respective pivots carried by said respective rotatable carriers controlling the normal angular position of said material feeding member, and means whereby to adjust the angular relation between said pivotal axes of said pivots whereby to alter said normal angular position of said material feeding member.

2,201,960

NOZZLE FOR FLAME MACHINING

Herbert E. Serner, Oakland, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Original application May 7, 1935, Serial No. 20,167. Divided and this application February 19, 1938, Serial No. 191,423

12 Claims. (Cl. 158—27.4)



1. A nozzle having at least two oxidizing gas passages for discharging a plurality of independent oxidizing gas streams having different cross-sectional areas, one of said passages having a substantially rectangular outlet.

2,201,961

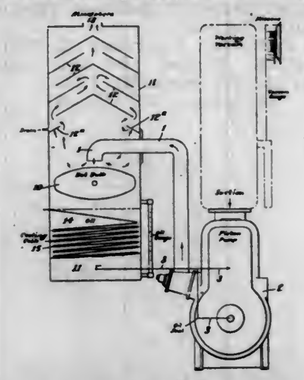
APPARATUS FOR RECOVERING OIL FROM EXHAUST MIXTURES

Harold I. Stoltz, Hyde Park, Mass., assignor to Kinney Manufacturing Company, Boston, Mass., a corporation of Massachusetts

Application January 17, 1938, Serial No. 185,318

3 Claims. (Cl. 196—16)

1. Apparatus for recovering oil from exhaust mixtures comprising a casing open to atmosphere, a heating unit therein of a shape and size substantially to divide the casing into upper and lower chambers but spaced from the casing walls to permit the passage of purified oil past said heating unit into said lower chamber, means delivering the exhaust above the heating unit, baffles mounted in said casing over said heating unit to effect the downward passage of condensate while



permitting the upward passage of vapors, and a collector for said condensate above said heating unit and designed to prevent said condensate from falling upon said heating unit.

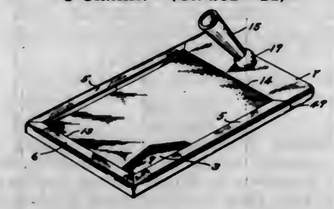
2,201,962

HOLDER FOR LOOSE-LEAF MEMO PAPER

Cecil E. Walton, Brecksville, Ohio

Application January 28, 1938, Serial No. 187,381

8 Claims. (Cl. 281—44)



1. A loose-leaf paper holder comprising, a base of substantially flat rectangular conformation, said base having upstanding frame enclosing elements around the four edges thereof for receiving and holding loose-leaf paper, the frame enclosing elements at the ends of said base having turned in ledges to overlap the ends of the loose-leaf paper for holding the same, spaced apart members on said paper holder for receiving and securing rubber friction means, and thin rubber friction means stretched across the bottom of said paper holder between said members for providing a thin high friction surface to secure the paper holder stationary on a smooth surface while writing upon or removing individual sheets of the loose-leaf paper.

2,201,963

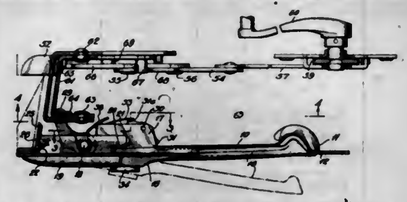
DOOR HANDLE ASSEMBLY

Avagim Wartian, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application February 26, 1937, Serial No. 127,945

24 Claims. (Cl. 70—208)

1. A recessed handle assembly for a door having a recess, comprising an escutcheon, a handle pivoted to said escutcheon and adapted to lie in said recess, a bolt retractible by pivotal movement of said handle out of said recess, latch means for locking said handle against pivoting movement relatively to said escutcheon and outwardly of said recess, a key operated cylinder carried on said handle and adapted to operate said latch means to release said handle for pivoting movement,



readily accessible means for securing said escutcheon in said recess, and means cooperable with said latch means whereby said readily accessible means are inoperative to release said escutcheon when said handle is maintained locked in said recess by said latch means.

2,201,964

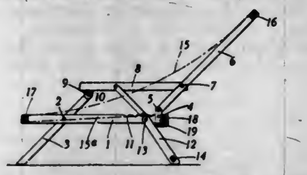
RECLINING CHAIR

Alfons Blank, Dornach, Switzerland, assignor of one-half to Wolf Friedrich Louis Kessler-Rossillon, Arlesheim, Switzerland

Application June 2, 1937, Serial No. 145,965

In Germany November 30, 1936

2 Claims. (Cl. 155—117)



1. A reclining chair comprising connected seat frame members; connected back rest members pivoted to the rear ends of the seat frame members, said back rest members being of substantially the same length as the seat frame members; arm rest members parallel to the seat frame members pivoted to said back rest members; front legs parallel to the back rest members pivoted medially to said seat frame members and at the upper end thereof to said arm rest members; each of said seat frame members, arm rest members, lower portions of said back rest members and upper portions of said front leg members forming an adjustable parallelogram and said seat frame members having portions, projecting forwardly of the pivots between said front leg members and said seat frame members, of substantially the same length as the upper portions of said front leg members, whereby in the collapsed condition of the chair, the length of the collapsed chair is substantially the same as the length of the back rest members or the seat frame members; and means for locking said parallelogram in any adjusted position comprising a strut pivoted to each of the arm rest members and engageable in notches formed in said seat frame members.

2,201,965

PROCESS FOR CONVERTING LIQUID HYDROCARBON INTO GASEOUS FUEL

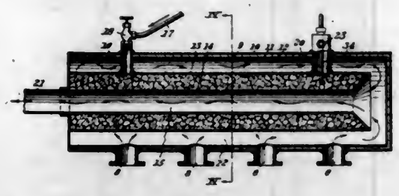
John T. Cook, Earl Gray, Saskatchewan, Canada

Application December 30, 1937, Serial No. 182,517

9 Claims. (Cl. 48—211)

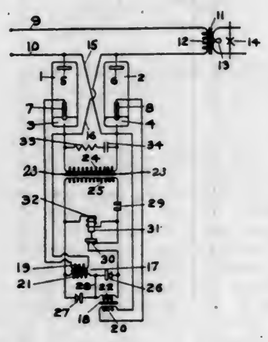
1. A process for converting liquid hydrocarbon

fuel into gaseous hydrocarbons adapted for use as fuel in an internal combustion engine, which comprises passing the fuel to be converted without admixture of air through a catalyst chamber in contact with nickel ammonium sulphate, heating the fuel in the catalyst chamber to a tem-



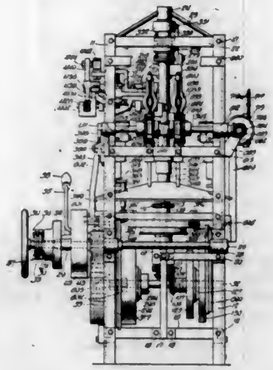
perature sufficient to crack it into gaseous hydrocarbons by the products of combustion of an internal combustion engine, and maintaining the catalyst chamber under partial vacuum during the cracking operation by utilizing the suction of the internal combustion engine.

2,201,966
ARC TUBE SYSTEM
John W. Dawson, Auburndale, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 14, 1939, Serial No. 284,502
18 Claims. (Cl. 175—354)



6. In combination, a load circuit, circuit means for connecting said load circuit to a source of alternating current, a pair of inversely-connected arc discharge devices interposed in said circuit means for controlling the flow of current to said load circuit, each of said arc discharge devices comprising an anode, a pool type arc cathode, and an igniting electrode separated from said cathode by an insulating wall, an igniting transformer for each of said arc discharge devices, each of said transformers having an energizing winding energized from the voltage across said tube, a rectifier in series with each of said windings, each of said rectifiers being connected in parallel with the winding in series with the other of said rectifiers, and an output circuit from each of said transformers for supplying igniting impulses to one of said igniting electrodes.

2,201,967
METHOD AND APPARATUS FOR TREATING FRUIT
Mark Ewald, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg., a corporation of Oregon
Original application September 27, 1932, Serial No. 635,061. Divided and this application January 31, 1935, Serial No. 4,239
48 Claims. (Cl. 146—38)



1. A fruit treating apparatus comprising means for holding a half fruit, coring means for said half fruit including a member movable through said holding means to remove the cored fruit therefrom, and means upon said movable member to force the fruit therefrom.

2,201,968
HINGE
Albert Fischer, Wendlingen, Wurttemberg, Germany, assignor to the firm Erwin Behr, Mobelfabrik, Wendlingen, Wurttemberg, Germany
Application June 9, 1938, Serial No. 212,783
In Germany June 30, 1937
7 Claims. (Cl. 16—157)

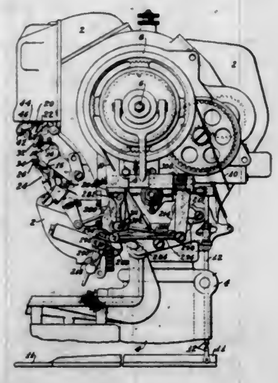


1. A hinge comprising in combination, two hinge plates consisting of wooden veneer sheets glued together and a hinge pin, the middle portions of the plates forming barrels altogether surrounding the pin and the end portions lying flush against each other and being united to form closed lugs.

2,201,969
THREAD CUTTER FOR SEWING MACHINES
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Original application April 29, 1936, Serial No. 76,924. Divided and this application April 6, 1938, Serial No. 200,409
29 Claims. (Cl. 112—252)

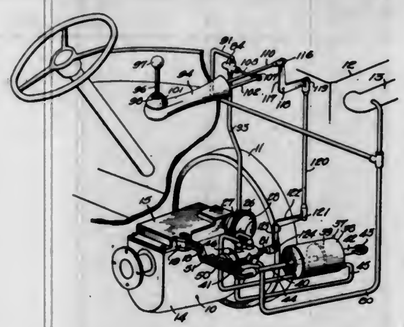
1. An outsole shoe sewing machine having, in

combination, stitch forming devices, a work support and a presser foot for clamping between them the projecting edge of the sole of a shoe, and means for severing the thread at the end of the seam comprising a knife-edged member and means for causing said member, when actuated,



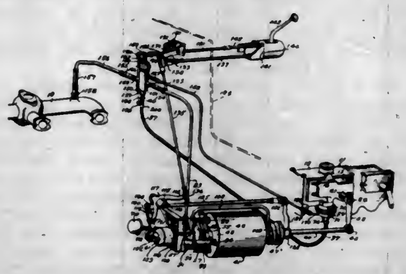
to move through a path extending at an angle to the surface of the shoe sole and having a component in the direction of the seam line from inactive to active cutting position, and to enter the space between the presser foot and work support.

2,201,970
GEAR SHIFTING MECHANISM FOR MOTOR VEHICLES
Henry W. Hey, Richmond, Va., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia
Application September 1, 1937, Serial No. 162,051
9 Claims. (Cl. 74—335)



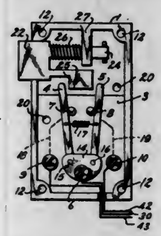
1. The combination with a gear shifting mechanism for a motor vehicle transmission having a pair of shift rails, comprising means connected and arranged for selecting a shift rail for actuation, a motor connected for actuating the selected shift rail, a pair of respectively rectilinearly movable and pivoted control members arranged adjacent and parallel to each other, one of said members being connected to control said motor and the other member being connected to control said selecting means, and a common operating handle for said pair of members.

2,201,971
GEAR SHIFTING MECHANISM
Henry W. Hey, Richmond, Va., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia
Application October 15, 1937, Serial No. 169,288
34 Claims. (Cl. 74—335)



1. The combination with a shiftable transmission operating member, of means for moving said shiftable member comprising a motor means for applying a force thereto, a manually movable control member accessible to the operator and connected to control the energization of said motor means, and means responsive solely to energization of said motor resulting from movement of said control member for applying a smaller and substantially proportional force to said control member opposing all movements thereof from any position simultaneously with the application of said first mentioned force, whereby the operator always will feel a resistance to movement of the control member substantially proportional to the resistance encountered by said shiftable member, said last named means being constructed and arranged to be inoperative when said motor means is deenergized in any position of said shiftable member.

2,201,972
AUTOMATIC BANK ALARM SWITCH
Grover C. Moutray, Colorado Springs, and Ralph J. Pendergrast, Manitou Springs, Colo.
Application August 24, 1937, Serial No. 160,564
1 Claim. (Cl. 200—54)

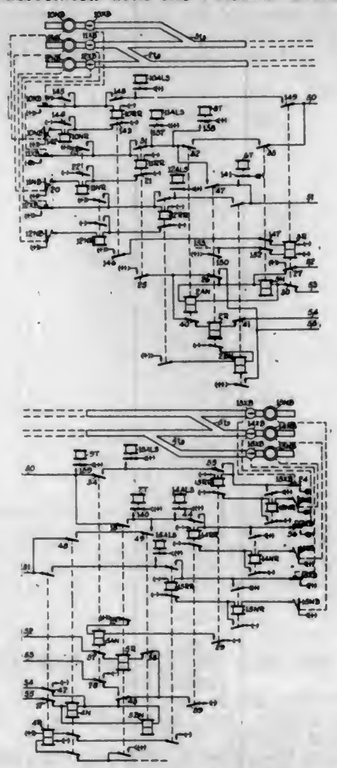


In a bank alarm switch, the combination of a vertically disposed housing; an insulation block disposed in the lower portion of said housing; a metallic block mounted on the lower portion of said insulation block; a pair of oscillating arms pivotally connected to said metallic block and extending upward; a spring connecting said arms; a pair of contact terminals spaced from each other and mounted in the upper portion of said insulation block between said arms; a plunger slidably mounted in the upper portion

of said housing and provided with a depending lug disposed between said arms; and a wire running from each contact terminal.

2,201,973
INTERLOCKING SYSTEM FOR RAILROADS
Robert M. Phinney, Rochester, and Forest B. Hitchcock, Greece, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application January 4, 1938, Serial No. 183,272
25 Claims. (Cl. 246—134)

1. In a switch and signal control system for railroads; a track layout including track switches for providing a plurality of routes between signal locations constituting entrance and exit points; a control panel having a miniature track diagram of said track layout with the switches and signals represented thereon; manually operable buttons on said miniature track diagram at points corresponding to said signal locations constituting the entrance and exit ends of the routes between such signal locations; normally deenergized normal and reverse switch control relays for each of said track switches for governing its power operation to set up the different routes; energizing circuit means associated with each track switch which has the same position for all of the routes terminating at an adjacent route end, said means being responsive to the operation of a button for that route end for energizing the normal or reverse switch control relay corresponding to said same position irrespective of whether such route end be the entrance or exit end of a desired route; energizing circuit means for each of the remaining normal and reverse switch control relays controlled jointly by the operation of a button, or an energized adjacent switch control relay, for the entrance end of a desired route and by the operation of a button, or an energized adjacent switch control relay, for the exit end of a desired route for energizing such normal and reverse switch control relays as are required to set up the desired route; circuit controlling means associated with each track switch and operated to positions in accordance with the position of its track switch; and circuit means controlled in response to the joint actuation of the manually operable buttons at the opposite ends of a desired route and governed by said circuit controlling means associated with the switches included in



that route so as to effect the clearing of the signal at the entrance end of the desired route when it has been set up.

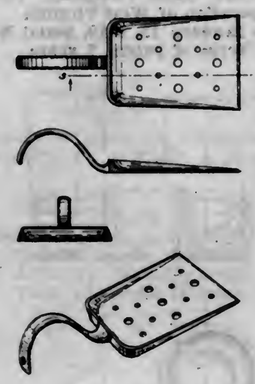
DESIGNS
MAY 21, 1940

120,609
DESIGN FOR A COMBINATION FIREMAN'S AX AND WRECKING TOOL
Ervin B. Arnsbarger, Lakewood, Ohio
Application February 17, 1940, Serial No. 90,341
Term of patent 14 years



The ornamental design for a combination fireman's ax and wrecking tool, substantially as shown.

120,610
DESIGN FOR A SINK SCOOP
Jenning T. Berge, Minneapolis, Minn.
Application March 16, 1940, Serial No. 90,997
Term of patent 14 years



The ornamental design for a sink scoop, substantially as shown.

120,611
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application April 11, 1940, Serial No. 91,595
Term of patent 3½ years



The ornamental design for a pin or similar article, substantially as shown.

120,612
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application April 11, 1940, Serial No. 91,596
Term of patent 3½ years



The ornamental design for a pin or similar article, substantially as shown.

120,613
DESIGN FOR A COMBINATION KITCHEN TOOL
Ada Deerf, Brooklyn, N. Y.
Application December 29, 1939, Serial No. 89,216
Term of patent 7 years



The ornamental design for a combination kitchen tool, as shown.

120,614
DESIGN FOR A GLASS JUG OR ARTICLE OF SIMILAR NATURE
Albert J. Dreitzer, New York, N. Y., assignor to The Federal Glass Company, Columbus, Ohio, a corporation of Ohio
Application March 29, 1940, Serial No. 91,348
Term of patent 7 years.



The ornamental design for a glass jug or article of similar nature, substantially as shown.

120,615
DESIGN FOR A FINGER RING
Barnett Esh, New York, N. Y., assignor to Kaspar & Esh, Inc., New York, N. Y.
Application April 11, 1940, Serial No. 91,607
Term of patent 7 years





The ornamental design for a finger ring, as shown.

120,616
DESIGN FOR A FINGER RING
Barnett Esh, New York, N. Y., assignor to Kaspar & Esh, Inc., New York, N. Y.
Application April 11, 1940, Serial No. 91,608
Term of patent 7 years





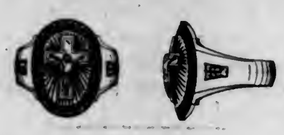
The ornamental design for a finger ring, as shown.

120,617
DESIGN FOR A TEXTILE FABRIC
George J. Finnegan, New York, N. Y.
Application April 20, 1940, Serial No. 91,795
Term of patent 3½ years



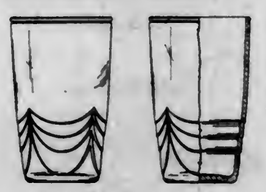
The ornamental design for a textile fabric, substantially as shown and described.

120,618
DESIGN FOR A RING
Albert John Haegele, St. Louis, Mo.
Application March 22, 1940, Serial No. 91,145
Term of patent 14 years



The ornamental design for a ring, as shown.

120,619
DESIGN FOR A JAR
Ernest A. Hinkins, Washington, Pa., assignor to Tygart Valley Glass Company, Washington, Pa., a corporation of West Virginia
Application January 19, 1940, Serial No. 89,582
Term of patent 7 years

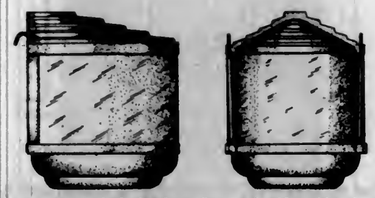




The ornamental design for a jar, as shown.

120,620
DESIGN FOR A BATH ATTACHMENT FOR BIRD CAGES
Carl W. Johnson, Detroit, Mich., assignor to Sewell Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 23, 1940, Serial No. 90,443
Term of patent 14 years





The ornamental design for a bath attachment for bird cages, as shown.

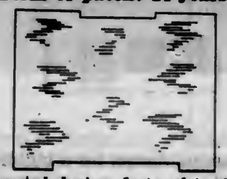
120,621
DESIGN FOR A BROOCH OR SIMILAR ARTICLE OF JEWELRY
Isabelle Z. Joyce, Chicago, Ill., assignor to Spaulding-Gorham, Inc., Chicago, Ill., a corporation of Illinois
Application April 1, 1940, Serial No. 91,385
Term of patent 3½ years





The ornamental design for a brooch or similar article of jewelry, substantially as shown.

120,622
DESIGN FOR A SHINGLE
Frank Maurice Leslie, Oakland, Calif.
Application February 16, 1940, Serial No. 90,324
Term of patent 14 years



The ornamental design for a shingle, as shown.

120,623
DESIGN FOR A COMBINED BRACKET AND VASE
Louis Alexander Lindey, Brooklyn, N. Y.
Application March 12, 1940, Serial No. 90,849
Term of patent 7 years



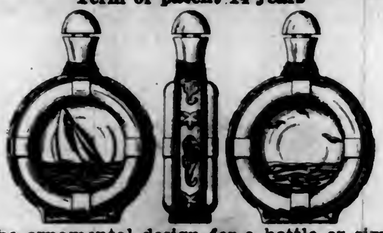
The ornamental design for a combined bracket and vase, as shown.

120,624
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Malcolm W. Lowenstein, Baltimore, Md.
Application January 25, 1940, Serial No. 89,693
Term of patent 14 years



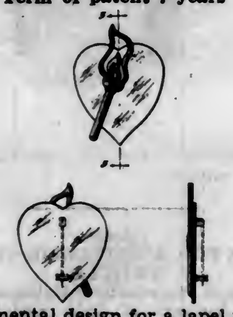
The ornamental design for a bottle or similar article, substantially as shown.

120,625
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Malcolm W. Lowenstein, Baltimore, Md.
Application March 8, 1940, Serial No. 90,773
Term of patent 14 years



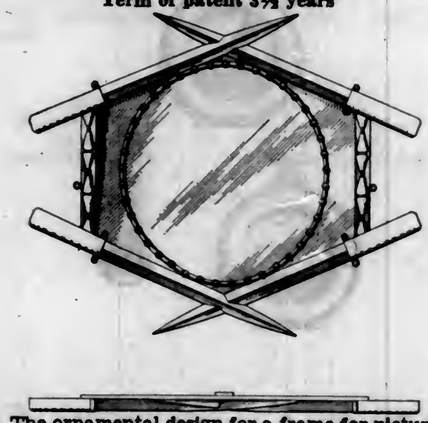
The ornamental design for a bottle or similar article, substantially as shown.

120,626
DESIGN FOR A LAPEL PIN OR SIMILAR ARTICLE
Noel Meadow, New York, N. Y., assignor of one-half to Sidney Herbert, Perth Amboy, N. J.
Application April 2, 1940, Serial No. 91,414
Term of patent 7 years



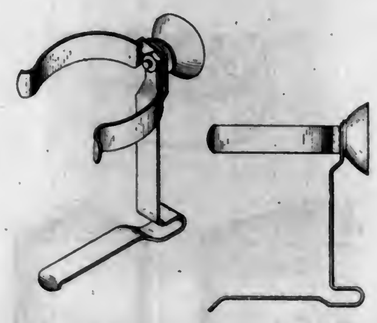
The ornamental design for a lapel pin or similar article, as shown.

120,627
DESIGN FOR A FRAME FOR PICTURES AND THE LIKE
Antonino Pacenzia, Buffalo, N. Y.
Application February 24, 1940, Serial No. 90,481
Term of patent 3½ years



The ornamental design for a frame for pictures and the like, as shown.

120,628
DESIGN FOR A COMBINED HOLDER AND BRACKET FOR A CONTAINER OR THE LIKE
William J. Jembrzycki, Chicago, Ill.
Application March 16, 1940, Serial No. 90,985
Term of patent 7 years



The ornamental design for a combined holder and bracket for a container or the like, substantially as shown.

120,629
DESIGN FOR A BUILDING
Paul R. Scheerer, West Orange, N. J., assignor to Newark Milk & Cream Co., Newark, N. J.
Application August 9, 1939, Serial No. 86,568
Term of patent 14 years



The ornamental design for a building, as shown and described.

120,630
DESIGN FOR A KNITTED FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Herman B. Sheplan, Baltimore, Md., assignor to The Comfy Manufacturing Co., Baltimore, Md., a corporation of Maryland
Application March 18, 1940, Serial No. 91,024
Term of patent 7 years



The ornamental design for a knitted fabric or similar article of manufacture, substantially as shown and described.

120,631
DESIGN FOR A KNITTED FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Herman B. Sheplan, Baltimore, Md., assignor to The Comfy Manufacturing Co., Baltimore, Md., a corporation of Maryland
Application March 18, 1940, Serial No. 91,025
Term of patent 7 years



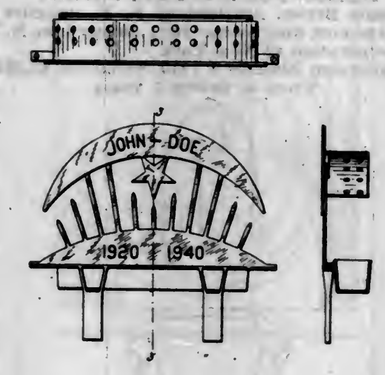
The ornamental design for a knitted fabric or similar article of manufacture, substantially as shown and described.

120,632
DESIGN FOR A KNITTED FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Herman B. Sheplan, Baltimore, Md., assignor to The Comfy Manufacturing Co., Baltimore, Md., a corporation of Maryland
Application March 18, 1940, Serial No. 91,026
Term of patent 7 years



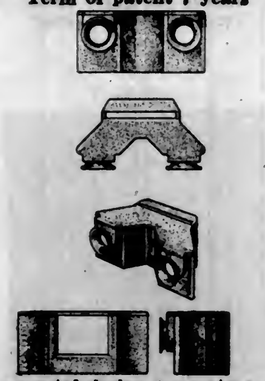
The ornamental design for a knitted fabric or similar article of manufacture, substantially as shown and described.

120,633
DESIGN FOR A COMBINED GRAVE MARKER AND FLOWER HOLDER
Stanley A. Waligorski, Reading, Pa.
Application August 16, 1939, Serial No. 86,731
Term of patent 14 years



The ornamental design for a combined grave marker and flower holder, as shown and described.

120,634
DESIGN FOR A STEREOSCOPE
Charles D. Austin, Cincinnati, Ohio, assignor to Advertising Displays Inc., Covington, Ky., a corporation of Kentucky
Application March 8, 1940, Serial No. 90,777
Term of patent 7 years



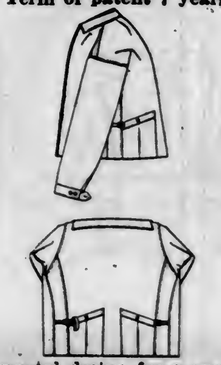
The ornamental design for a stereoscope, substantially as shown.

120,635
DESIGN FOR A SAVINGS BANK
Esther Brann, New York, N. Y.
Application December 2, 1939, Serial No. 88,639
Term of patent 3½ years



The ornamental design for a savings bank, as shown.

120,636
DESIGN FOR A SPORTS JACKET
Benjamin Breier, Amsterdam, N. Y., assignor to Adirondack Sportswear, Inc., Amsterdam, N. Y., a corporation of New York
Application January 9, 1940, Serial No. 89,363
Term of patent 7 years



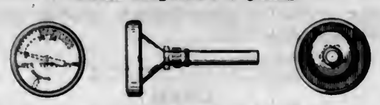
The ornamental design for a sports jacket, as shown and described.

120,637
DESIGN FOR A GAME DEVICE
Jerome J. Dorfman, New York, N. Y.
Application January 12, 1940, Serial No. 89,420
Term of patent 7 years



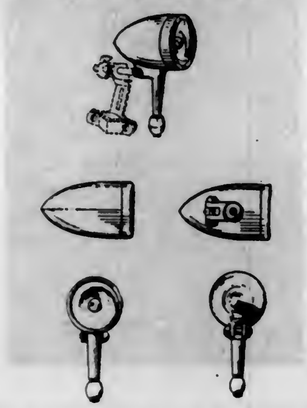
The ornamental design for a game device, substantially as shown.

120,638
DESIGN FOR A THERMOMETER
George E. Ford, Rochester, N. Y., assignor to Rochester Manufacturing Company, Rochester, N. Y.
Application November 15, 1939, Serial No. 88,287
Term of patent 7 years



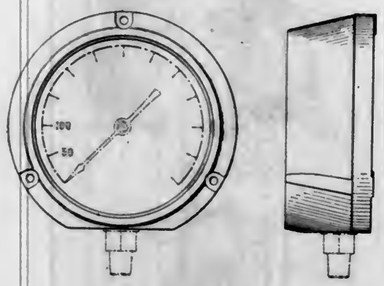
The ornamental design for a thermometer, as shown.

120,639
DESIGN FOR A COMBINED VEHICLE LAMP AND SUPPORTING BRACKET
Jack Galter, Chicago, Ill.
Application February 12, 1940, Serial No. 90,223
Term of patent 7 years



The ornamental design for a combined vehicle lamp and supporting bracket, substantially as shown and described.

120,640
DESIGN FOR A GAUGE CASE OR SIMILAR ARTICLE
Carl H. Graesser and Frank H. Hopkins, Bridgeport, Conn., assignors to Manning Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application March 12, 1940, Serial No. 90,855
Term of patent 14 years



The ornamental design for a gauge case or similar article, substantially as shown.

120,641
DESIGN FOR A SHOE
Frank V. Grubs, New Rochelle, and Albert Glesser and Morris Schindelman, Brooklyn, N. Y.
Application December 5, 1939, Serial No. 88,700
Term of patent 3½ years



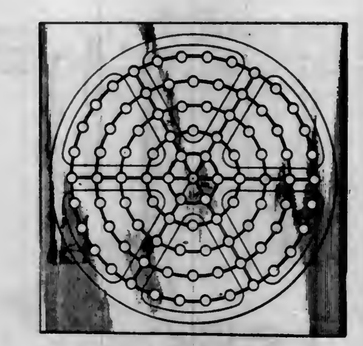
The ornamental design for a shoe, substantially as shown and described.

120,642
DESIGN FOR A CAMERA TRIPOD HEAD
Frederick R. Heward, San Francisco, Calif.
Application January 24, 1940, Serial No. 89,678
Term of patent 3½ years



The ornamental design for a camera tripod head, substantially as shown.

120,643
DESIGN FOR A GAME BOARD
Edward Lee Jones, Richmond, Va.
Application March 17, 1939, Serial No. 83,638
Term of patent 3½ years



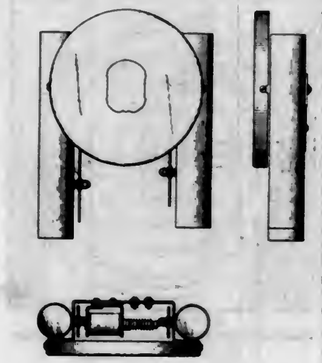
The ornamental design for a game board, as shown.

120,644
DESIGN FOR AN OVERSHOE
Leslie H. L'Hollier, Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 15, 1940, Serial No. 90,929
Term of patent 14 years



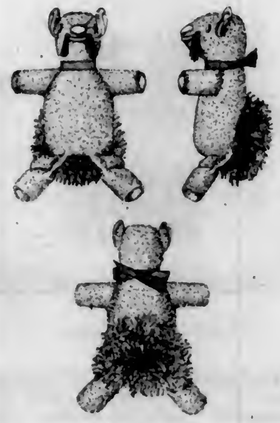
The ornamental design for an overshoe, as shown.

120,645
DESIGN FOR A SIGNAL DEVICE
Morris A. Lipschultz, Chicago, Ill.
Application March 25, 1940, Serial No. 91,231
Term of patent 7 years



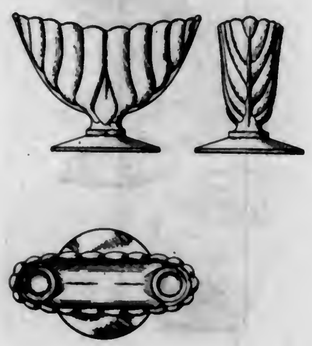
The ornamental design for a signal device, as shown.

120,646
DESIGN FOR A TOY ANIMAL
Anna W. Lowin, Chicago, Ill.
Application March 18, 1940, Serial No. 91,020
Term of patent 14 years



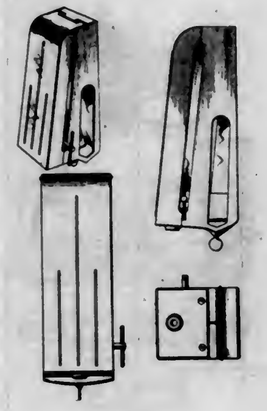
The ornamental design for a toy animal, as shown.

120,647
DESIGN FOR A COMBINED VASE AND CANDLESTICK
Robert A. May, Washington, Pa., assignor to Duncan & Miller Glass Company, Washington, Pa., a corporation of Pennsylvania
Application March 1, 1940, Serial No. 90,616
Term of patent 14 years



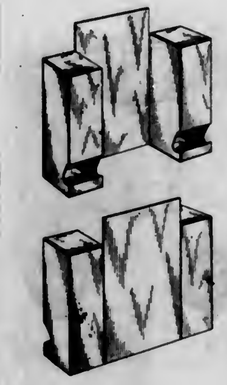
The ornamental design for a combined vase and candlestick, substantially as shown.

120,648
DESIGN FOR A COMBINATION PASTE DISPENSER AND TOOTH BRUSH HOLDER
James M. Nixon, Asheville, N. C.
Application March 22, 1939, Serial No. 83,772
Term of patent 3½ years



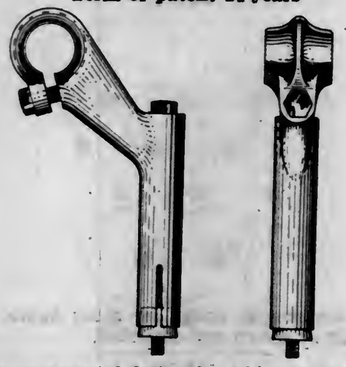
The ornamental design for a combination paste dispenser and tooth brush holder, as shown.

120,649
DESIGN FOR A COMBINED DISPLAY AND DISPENSING CARTON
Edward J. Novak, Chicago, Ill.
Application March 20, 1940, Serial No. 91,100
Term of patent 7 years



The ornamental design for a combined display and dispensing carton, substantially as shown.

120,650
DESIGN FOR A BICYCLE HANDLE BAR EXTENSION STEM
Ruben L. Pawsat, Maysville, Ky., assignor to Ewald F. Pawsat, Maysville, Ky.
Application March 14, 1940, Serial No. 90,921
Term of patent 14 years



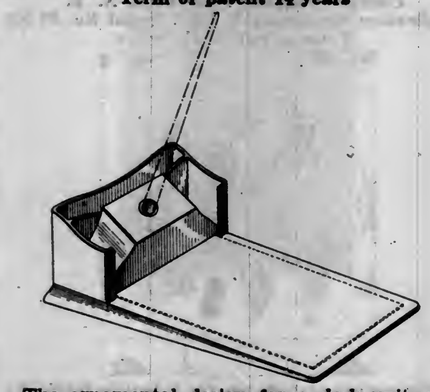
The ornamental design for a bicycle handle bar extension stem, as shown.

120,651
DESIGN FOR A BUTTON
Emily L. Pitkin, New York, N. Y.
Application February 27, 1940, Serial No. 90,549
Term of patent 7 years



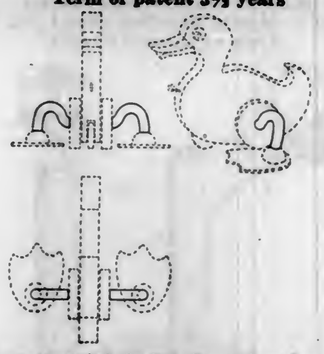
The ornamental design for a button, as shown.

120,652
DESIGN FOR A COMBINATION DESK UNIT
Emanuel R. Posnack, New York, N. Y.
Application February 19, 1940, Serial No. 90,352
Term of patent 14 years



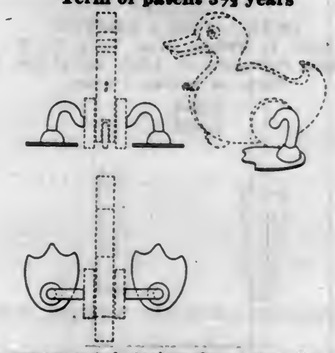
The ornamental design for a desk unit, substantially as shown and described.

120,653
DESIGN FOR A TOY FIGURE
Edward S. Savage, Rochester, N. Y.
Application September 12, 1939, Serial No. 87,162
Term of patent 3½ years



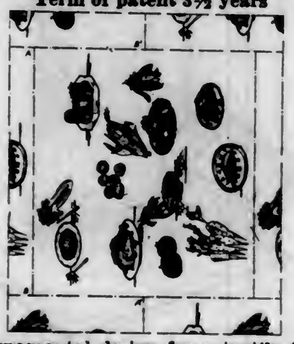
The ornamental design for a toy figure, substantially as shown and described.

120,654
DESIGN FOR A TOY FIGURE
Edward S. Savage, Rochester, N. Y.
Application September 12, 1939, Serial No. 87,163
Term of patent 3½ years



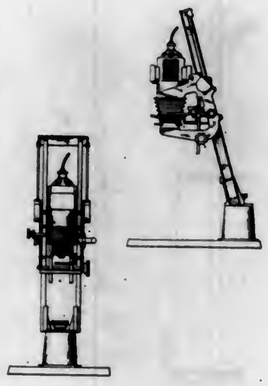
The ornamental design for a toy figure, substantially as shown and described.

120,655
DESIGN FOR A TEXTILE FABRIC
Charles Shapiro, New York, N. Y.
Application September 9, 1939, Serial No. 87,103
Term of patent 3½ years



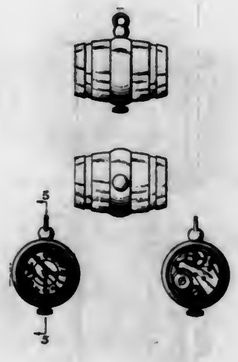
The ornamental design for a textile fabric, as shown and described.

120,656
DESIGN FOR A PHOTOGRAPHIC ENLARGER
Rudolph Simmon, Jackson Heights, N. Y.
Application March 23, 1940, Serial No. 91,187
Term of patent 7 years



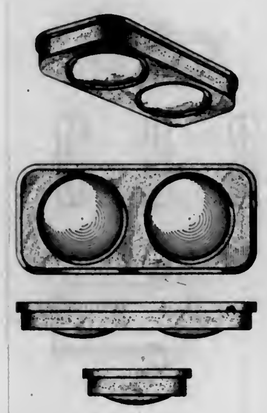
The ornamental design for a photographic enlarger, substantially as shown.

120,657
DESIGN FOR A WATCH OR THE LIKE
Anna K. Turnheim, New York, N. Y.
Application December 26, 1939, Serial No. 89,132
Term of patent 7 years



The ornamental design for a watch or the like, substantially as shown.

120,658
DESIGN FOR A COMBINED LIGHT TRANSMITTING PANEL AND GLOBES FOR A LIGHTING FIXTURE
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application April 5, 1939, Serial No. 84,049
Term of patent 14 years



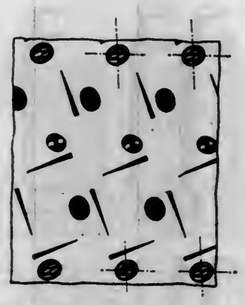
The ornamental design for a combined light transmitting panel and globes for a lighting fixture, substantially as shown and described.

120,659
DESIGN FOR A SKILL TESTING GAME DEVICE
Melvin J. Binks, River Forest, Ill., assignor to J. H. Keeney & Co., Inc., Chicago, Ill., a corporation of Illinois
Application February 14, 1940, Serial No. 90,255
Term of patent 7 years



The ornamental design for a skill testing game device, substantially as shown.

120,660
DESIGN FOR A TEXTILE FABRIC
Hyman Blumbaum, Brooklyn, N. Y.
Application August 6, 1938, Serial No. 79,154
Term of patent 3½ years



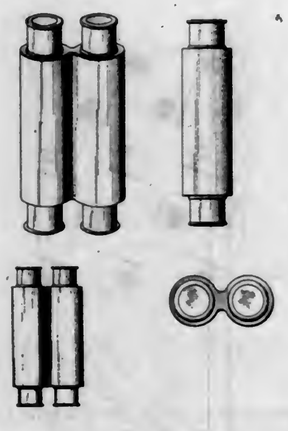
The ornamental design for a textile fabric, substantially as shown and described.

120,661
DESIGN FOR A WALLPAPER
Louis Chasset, Paris, France, assignor to Nancy McClelland Inc., New York, N. Y., a corporation of New York
Application April 16, 1940, Serial No. 91,713
Term of patent 3½ years



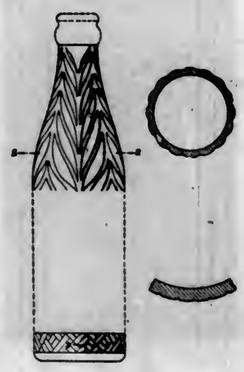
The ornamental design for a wallpaper, as shown.

120,662
DESIGN FOR A LIPSTICK CONTAINER
Robert T. Christy, New York, N. Y.
Application January 15, 1940, Serial No. 89,482
Term of patent 14 years



The ornamental design for a lipstick container, substantially as shown and described.

120,663
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Thomas D'Addario, New York, N. Y., assignor to Tahiti Corporation, Richmond, Va., a corporation of Virginia
Application February 15, 1940, Serial No. 90,287
Term of patent 14 years



The ornamental design for a bottle or similar article, substantially as shown and described.

120,664
DESIGN FOR A LIPSTICK CONTAINER OR SIMILAR ARTICLE
Lloyd J. Davenport, Kearny, N. J., assignor to Paul E. Flato, New York, N. Y.
Application June 17, 1938, Serial No. 77,902
Term of patent 3½ years



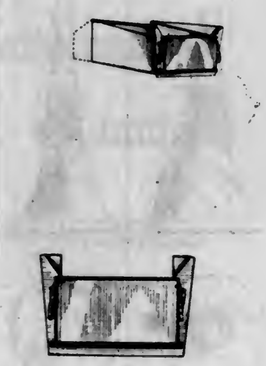
The ornamental design for a lipstick container or similar article, substantially as shown and described.

120,665
DESIGN FOR A TEXTILE FLOOR COVERING OR SIMILAR ARTICLE
William O. Dewsbury, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware
Application March 11, 1940, Serial No. 90,831
Term of patent 7 years



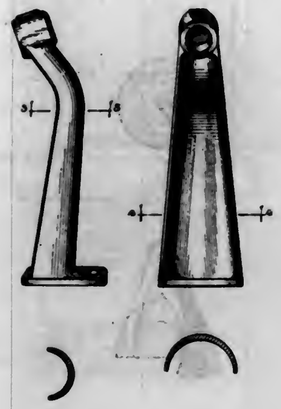
The ornamental design for a textile floor covering or similar article, as shown and described.

120,666
DESIGN FOR A LIGHT DELIVERY TRUCK BODY
William Howard Edwards, South Bend, Ind., assignor to Edwards Iron Works, Incorporated, South Bend, Ind., a corporation of Indiana
Application July 20, 1939, Serial No. 86,115
Term of patent 7 years



The ornamental design for a light delivery truck body, as shown and described.

120,667
DESIGN FOR AN IDLER BRACKET FOR CONVEYERS OR THE LIKE
John James Fairbairn, Roosevelt, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J., a corporation of New Jersey
Application February 20, 1940, Serial No. 90,375
Term of patent 14 years



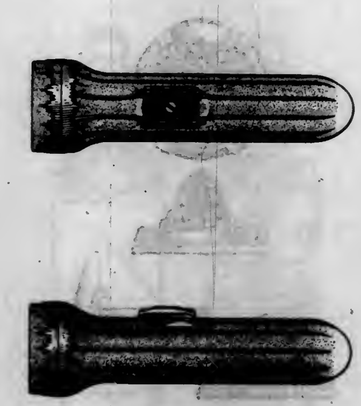
The ornamental design for an idler bracket for conveyers or the like, substantially as shown.

120,668
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Kenneth C. Fay, New York, N. Y.
Application March 16, 1940, Serial No. 91,005
Term of patent 7 years



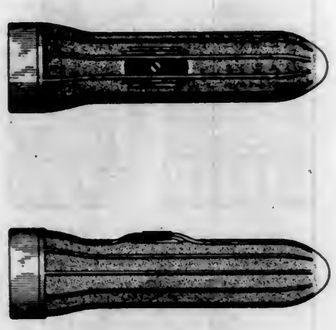
The ornamental design for a bottle or similar article, substantially as shown.

120,669
DESIGN FOR A FLASHLIGHT
Jules P. Gits, Chicago, Ill., assignor to Gits Molding Corporation, Chicago, Ill., a corporation of Illinois
Application December 7, 1939, Serial No. 88,743
Term of patent 7 years



The ornamental design for a flashlight, substantially as shown and described.

120,670
DESIGN FOR A FLASHLIGHT
Jules P. Gits, Chicago, Ill., assignor to Gits Molding Corporation, Chicago, Ill., a corporation of Illinois
Application December 7, 1939, Serial No. 88,744
Term of patent 7 years



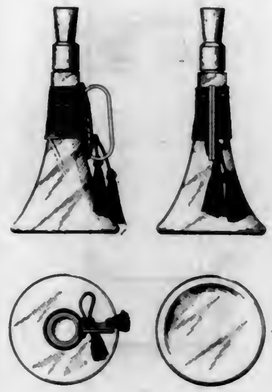
The ornamental design for a flashlight, substantially as shown and described.

120,671
DESIGN FOR AN ASH TRAY
Harry Haas, Jr., New Orleans, La., assignor to The Jennings Brothers Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application February 7, 1940, Serial No. 90,089
Term of patent 14 years



The ornamental design for an ash tray, as shown.

120,672
DESIGN FOR A PERFUMERY BOTTLE OR SIMILAR ARTICLE
Herbert H. Harris, New York, N. Y.
Application March 6, 1940, Serial No. 90,723
Term of patent 7 years



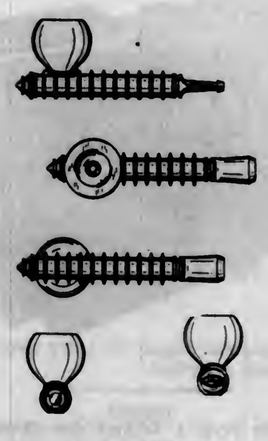
The ornamental design for a perfumery bottle or similar article, substantially as shown.

120,673
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application March 13, 1940, Serial No. 90,870
Term of patent 7 years



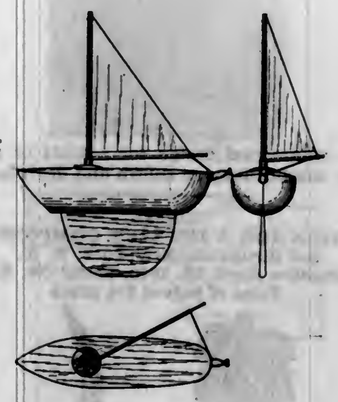
The ornamental design for a container cap, substantially as shown.

120,674
DESIGN FOR A SMOKER'S PIPE
Rube L. Miller, Seattle, Wash.
Application February 5, 1940, Serial No. 90,041
Term of patent 7 years



The ornamental design for a smoker's pipe, as shown.

120,675
DESIGN FOR AN INFLATABLE TOY BOAT
Hugh N. Mooney, Chicago, Ill.
Application September 25, 1939, Serial No. 87,385
Term of patent 14 years



The ornamental design for an inflatable toy boat, as shown.

120,676
DESIGN FOR A COMBINED LIGHTER AND ASH TRAY
Ida Munzer, Chicago, Ill.
Application December 29, 1938, Serial No. 82,045
Term of patent 3½ years



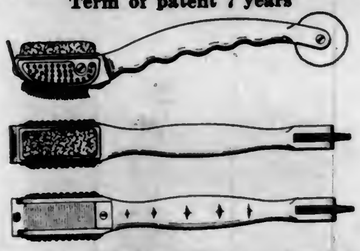
The ornamental design for a combined lighter and ash tray, as shown.

120,677
DESIGN FOR A BOTTLE
Ovid S. Parker, South Gate, Calif., assignor to Cameo Vineyards Company, Fresno, Calif., a corporation of California
Application April 3, 1940, Serial No. 91,456
Term of patent 14 years



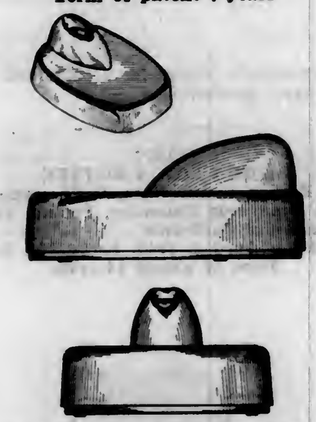
The ornamental design for a bottle, as shown.

120,678
DESIGN FOR A COMBINATION BUFFING AND SCRAPING TOOL FOR TIRES OR THE LIKE
Samuel Evans Parker, Dunkirk, Ind.
Application February 23, 1940, Serial No. 90,467
Term of patent 7 years



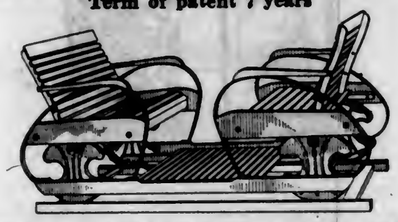
The ornamental design for a combination buffing and scraping tool for tires or the like, as shown.

120,679
DESIGN FOR A WEIGHING SCALE
Jean O. Reinecke, Chicago, Ill., assignor to Continental Scale Corporation, Chicago, Ill., a corporation of Delaware
Application April 8, 1939, Serial No. 84,155
Term of patent 7 years



The ornamental design for a weighing scale, as shown.

120,680
DESIGN FOR A GLIDING SETTEE
Robert M. Rink, Goshen, Ind., assignor to Goshen Manufacturing Company, Goshen, Ind.
Application February 21, 1940, Serial No. 90,408
Term of patent 7 years



The ornamental design for a gliding settee, as shown.

120,681
DESIGN FOR A DRY CLEANING UNIT
Harry G. Sutton, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application March 5, 1940, Serial No. 90,697
Term of patent 14 years



The ornamental design for a dry cleaning unit, as shown and described.

120,682
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Virginia Winston, Jackson Heights, N. Y.
Application April 4, 1940, Serial No. 91,468
Term of patent 3½ years



The ornamental design for a scarf or similar article, substantially as shown and described.

120,683
DESIGN FOR A JEWELRY COMPONENT
Sol Birnbaum, New York, N. Y.
Application April 23, 1940, Serial No. 91,883
Term of patent 3½ years



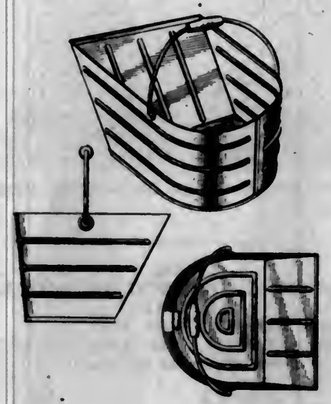
The ornamental design for a jewelry component, substantially as shown.

120,684
DESIGN FOR A TEXTILE FABRIC
Michael Cembalest, New York, N. Y.
Application April 12, 1940, Serial No. 91,624
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

120,685
DESIGN FOR A SHOVEL BUCKET
Courtney W. Kimler, Sr., Ames, Iowa
Application December 11, 1939, Serial No. 88,832
Term of patent 14 years



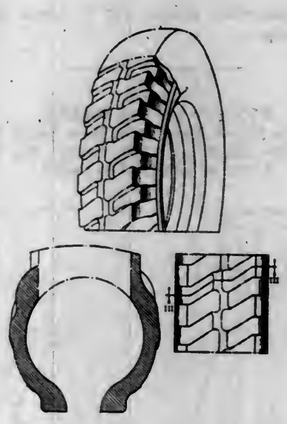
The ornamental design for a shovel bucket, substantially as shown.

120,686
DESIGN FOR A PLAY DRESS
Dorothy Lunts, New York, N. Y.
Application April 23, 1940, Serial No. 91,878
Term of patent 3½ years



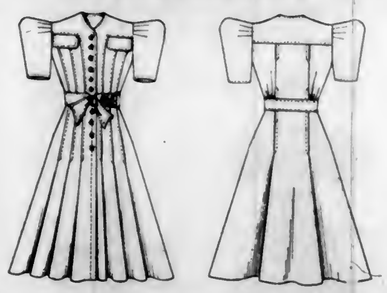
The ornamental design for a play dress, substantially as shown.

120,687
DESIGN FOR A PNEUMATIC TIRE
Lawrence G. Moonan, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 14, 1939, Serial No. 82,977
Term of patent 14 years



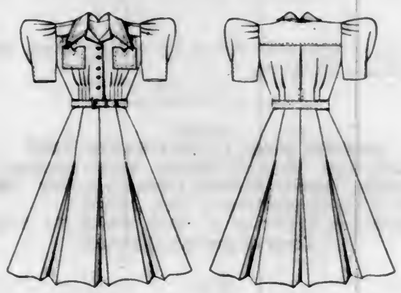
The ornamental design for a pneumatic tire, as shown.

120,688
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 26, 1940, Serial No. 91,957
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,689
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 26, 1940, Serial No. 91,959
Term of patent 3½ years



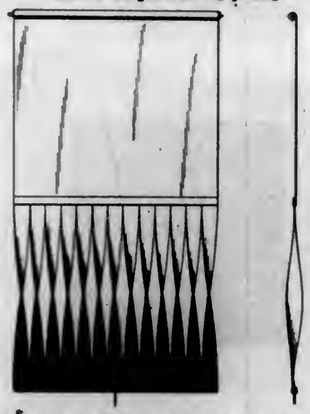
The ornamental design for a dress, substantially as shown.

120,690
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 26, 1940, Serial No. 91,960
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,691
DESIGN FOR A WINDOW SHADE OR SIMILAR ARTICLE
Chester H. Norton, Bronxville, N. Y.
Application February 2, 1939, Serial No. 82,727
Term of patent 14 years



The ornamental design for a window shade or similar article, substantially as shown and described.

120,692
DESIGN FOR A DRESS
Syd Novak, Chicago, Ill.
Application April 25, 1940, Serial No. 91,932
Term of patent 3½ years



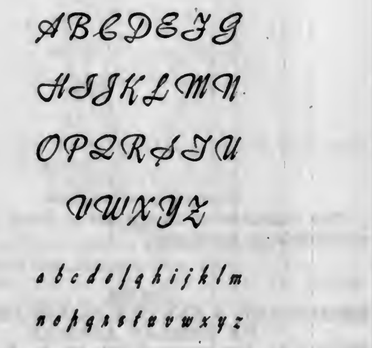
The ornamental design for a dress, substantially as shown.

120,693
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Harry Reinstein, New York, N. Y.
Application April 17, 1940, Serial No. 91,722
Term of patent 3½ years



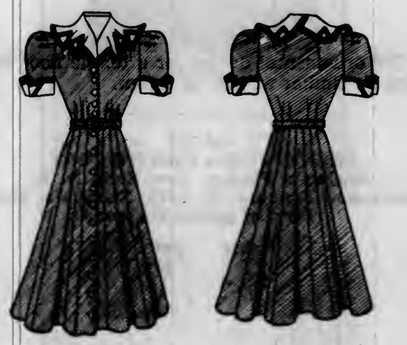
The ornamental design for a brooch or similar article, substantially as shown.

120,694
DESIGN FOR A FONT OF TYPE
Frank H. Riley, New York, N. Y., assignor to American Type Founders, Inc., Elizabeth, N. J., a corporation of New Jersey
Application November 30, 1939, Serial No. 88,584
Term of patent 7 years



The ornamental design for a font of type, as shown.

120,695
DESIGN FOR A DRESS
Murray White, Brookline, Mass.
Application April 13, 1940, Serial No. 91,665
Term of patent 3½ years



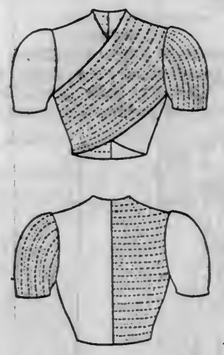
The ornamental design for a dress, substantially as shown.

120,696
DESIGN FOR A SWEATER OR SIMILAR ARTICLE OF WEARING APPAREL
Lorna Whittingham, West Redding, Conn.
Application April 6, 1940, Serial No. 91,507
Term of patent 3½ years



The ornamental design for a sweater or similar article of wearing apparel, as shown and described.

120,697
DESIGN FOR A JERSEY WAIST
Lorna Whittingham, West Redding, Conn.
Application April 6, 1940, Serial No. 91,508
Term of patent 3½ years



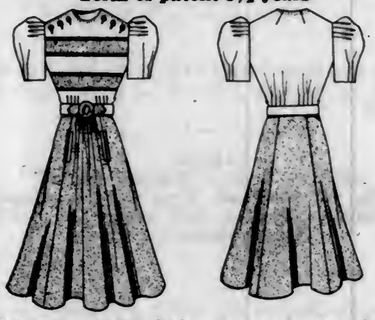
The ornamental design for a jersey waist, as shown.

120,698
DESIGN FOR A DRESS
Lucienne Wollrauch, Chicago, Ill.
Application February 19, 1940, Serial No. 90,344
Term of patent 7 years



The ornamental design for a dress, substantially as shown.

120,699
DESIGN FOR A DRESS
Morris Birnbaum, New York, N. Y.
Application April 26, 1940, Serial No. 91,967
Term of patent 3½ years



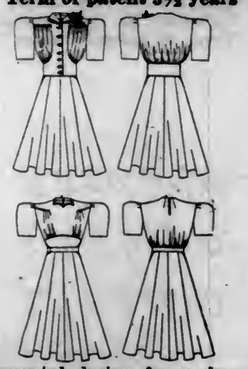
The ornamental design for a dress, substantially as shown.

120,700
DESIGN FOR A DRESS
Morris Birnbaum, New York, N. Y.
Application April 27, 1940, Serial No. 91,995
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,701
DESIGN FOR A DRESS ENSEMBLE
Edna Breer, New York, N. Y.
Application April 30, 1940, Serial No. 92,034
Term of patent 3½ years



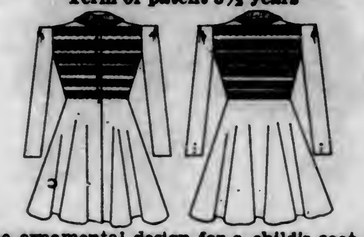
The ornamental design for a dress ensemble, substantially as shown.

120,702
DESIGN FOR A TEXTILE FLOOR COVERING OR SIMILAR ARTICLE
William O. Dewsbury, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware
Application March 11, 1940, Serial No. 90,832
Term of patent 7 years



The ornamental design for a textile floor covering or similar article, as shown.

120,703
DESIGN FOR A CHILD'S COAT
Benjamin Fischer, New York, N. Y.
Application January 12, 1940, Serial No. 89,426
Term of patent 3½ years



The ornamental design for a child's coat, substantially as shown.

120,704
DESIGN FOR A CHILD'S COAT
Benjamin Fischer, New York, N. Y.
Application January 12, 1940, Serial No. 89,427
Term of patent 3½ years



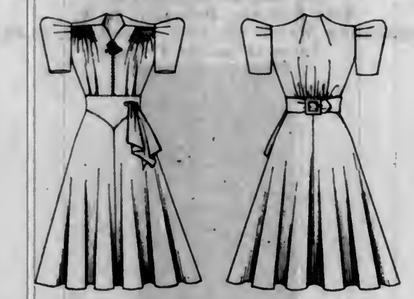
The ornamental design for a child's coat, substantially as shown.

120,705
DESIGN FOR A CHILD'S COAT
Benjamin Fischer, New York, N. Y.
Application January 12, 1940, Serial No. 89,428
Term of patent 3½ years



The ornamental design for a child's coat, substantially as shown.

120,706
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 1, 1940, Serial No. 92,046
Term of patent 3½ years



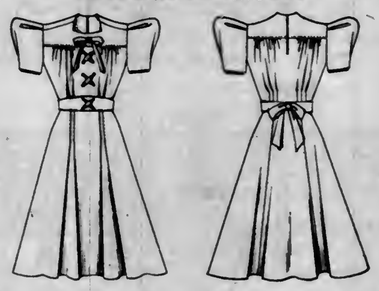
The ornamental design for a dress, substantially as shown.

120,707
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 1, 1940, Serial No. 92,047
Term of patent 3½ years



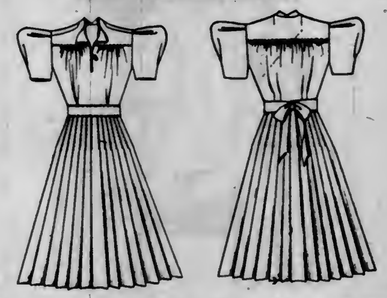
The ornamental design for a dress, substantially as shown.

120,708
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 1, 1940, Serial No. 92,048
Term of patent 3½ years



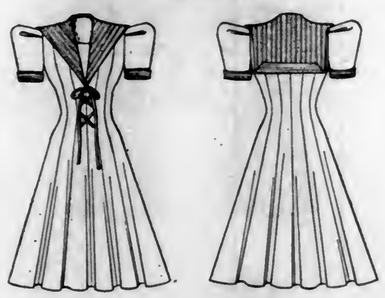
The ornamental design for a dress, substantially as shown.

120,709
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 1, 1940, Serial No. 92,049
Term of patent 3½ years



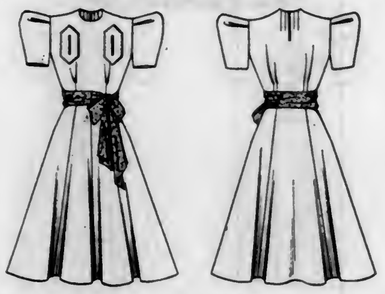
The ornamental design for a dress, substantially as shown.

120,710
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 1, 1940, Serial No. 92,051
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,711
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 1, 1940, Serial No. 92,052
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,712
DESIGN FOR A REDINGOTE
Samuel E. Frontman, New York, N. Y.
Application February 14, 1940, Serial No. 90,238
Term of patent 3½ years



The ornamental design for a redingote, substantially as shown and described.

120,713
DESIGN FOR A DRESS
Herbert M. Harris, New York, N. Y.
Application May 3, 1940, Serial No. 92,100
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,714
DESIGN FOR A DRESS
Herbert M. Harris, New York, N. Y.
Application May 3, 1940, Serial No. 92,101
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,715
DESIGN FOR PLEATED LEATHER TRIMMING OR SIMILAR ARTICLE
Vito Pallotta, Brooklyn, N. Y.
Application March 19, 1940, Serial No. 91,051
Term of patent 7 years



The ornamental design for pleated leather trimming or similar article, substantially as shown and described.

120,716
DESIGN FOR A HAND MIRROR FRAME OR THE LIKE
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application April 22, 1940, Serial No. 91,868
Term of patent 3½ years



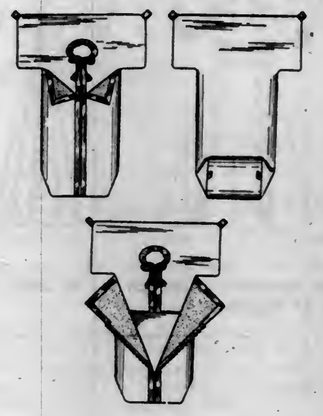
The ornamental design for a hand mirror frame or the like, as shown and described.

120,717
DESIGN FOR A DRESS
Philip Wenett, New York, N. Y.
Application April 16, 1940, Serial No. 91,704
Term of patent 3½ years



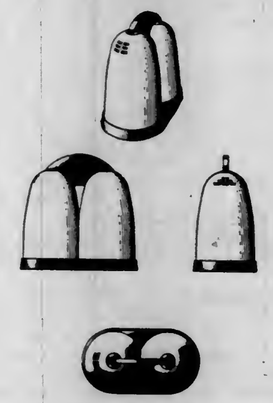
The ornamental design for a dress substantially as shown.

120,718
DESIGN FOR A CHILD'S SLEEPING GARMENT
Bertha Braun Friedman, New York, N. Y.
Application February 1, 1940, Serial No. 89,926
Term of patent 14 years



The ornamental design for a child's sleeping garment, substantially as shown.

120,719
DESIGN FOR A CONDIMENT CONTAINER
William Johnson, Hazel Park, Mich., and Elno H. Trump, Barberton, Ohio, assignors to Ward Plastic and Rubber Company, Detroit, Mich., a corporation of Michigan
Application March 20, 1940, Serial No. 91,088
Term of patent 7 years



The ornamental design for a condiment container, as shown and described.

120,720
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 26, 1940, Serial No. 91,958
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,721
DESIGN FOR A COMBINATION HOOD AND MUFFLER
Baruch Posin, New York, N. Y.
Application October 17, 1939, Serial No. 87,703
Term of patent 3½ years



The ornamental design for a combination hood and muffler, substantially as shown.

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Labels	76—No.	54,783 to No.	54,858, inclusive.
Prints	10—No.	17,977 to No.	17,986, inclusive.
Reissues	10—No.	21,462 to No.	21,471, inclusive.
Patents	835—No.	2,201,974 to No.	2,202,808, inclusive.
Designs	190—No.	120,723 to No.	120,851, inclusive.
Total	1,278		

Trade-Mark Registrations Canceled

166,085. Shipping cases. William H. Doble, Norfolk Downs, Mass. Registered March 27, 1923. Canceled April 12, 1940.

242,232. Apparatus for quenching fires. Fireking Fire Extinguisher Company Inc., Seattle, Wash. Registered May 15, 1928. Canceled April 12, 1940.

270,174. Men's clothing. Paul Mandel and Bro., Philadelphia, Pa. Registered April 29, 1930. Canceled April 12, 1940.

278,695. Malt beverage. C. Schmidt and Sons, Incorporated, Philadelphia, Pa. Registered December 30, 1930. Canceled April 26, 1940.

358,514. Mackinaws. Lakeland Manufacturing Company, Sheboygan, Wis. Registered July 19, 1938. Canceled April 12, 1940.

364,260. Overcoats for men. Lakeland Manufacturing Company, Sheboygan, Wis. Registered January 24, 1939. Canceled April 12, 1940.

364,506. Onyx. Arthur C. Walter, New York, N. Y. Registered January 31, 1939. Canceled April 26, 1940.

365,433. Hair ointment and conditioner. Joseph Gelman, assignor to Gould, Inc., Pittsburgh, Pa. Registered March 7, 1939. Canceled April 12, 1940.

370,655. Soft drinks. John Morgan, Brooklyn, N. Y. Registered August 29, 1939. Canceled April 12, 1940.

Adjudicated Patents

(D. C. N. Y.) Aldrich patent, No. 1,579,497, for safety control mechanism for electrically-controlled fuel-burning devices, claims 1, 2, 3, 4, and 5 *Held* valid and infringed. *Cleveland Trust Co.* v. *Geher & Reiss*, 31 F. Supp. 985.

(D. C. N. Y.) Scott patent, No. 1,602,175, for electric control system for fuel-oil burners, claims 2 and 6 *Held* valid and infringed. *Id.*

(C. C. A. N. J.) Marcalus patent, No. 1,630,495, for box for paper rolls, claims 1 and 2 *Held* not infringed. *Marcalus Mfg. Co.* v. *Automatic Paper Mach. Co.*, 110 F.(2d) 304.

(C. C. A. Pa.) McBerty patent, No. 1,832,719, for combined electric welder and flash stripper, *Held* invalid and not infringed. *Mesta Mach. Co.* v. *Federal Machine & Welder Co.*, 110 F.(2d) 479.

(D. C. Mass.) Hagen patent, No. 1,846,863, for fan and method of operating the same, claim 1 *Held* invalid and claim 2 *Held* valid and infringed. *B. F. Sturtevant Co.* v. *Massachusetts Hair & Felt Co.*, 31 F. Supp. 975.

(D. C. N. Y.) Buchanan patent, No. 1,893,535, for ice cube pan lifter, claims 4, 13, 17, and 19 *Held* not infringed. *Mechanical Ice Tray Corporation* v. *Abraham & Straus*, 31 F. Supp. 938.

(D. C. Mass.) Hagen patent, No. 1,989,413, for centrifugal fan, claims 1, 2, 3, and 4 *Held* invalid. *B. F. Sturtevant Co.* v. *Massachusetts Hair & Felt Co.*, 31 F. Supp. 975.

(C. C. A. Ohio.) Alden and Buckendale patent, No. 2,022,581, for drive axle, *Held* invalid. *Lempco Products* v. *Timken-Detroit Axle Co.*, 110 F.(2d) 307.

(C. C. A. Ind.) Staude reissue patent, No. 15,906, for automatic brake control for power-propelled vehicles, claim 2 *Held* not infringed. *Staude* v. *Bendix Products Corporation*, 110 F.(2d) 484.

(D. C. N. Y.) Scott reissue patent, No. 17,405, for oil-burning heating system, claims 12, 14, 16, 17, and 21 *Held* valid and infringed. *Cleveland Trust Co.* v. *Geher & Reiss*, 31 F. Supp. 985.

Condition of Applications Under Examination at Close of Business May 11, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,243; Trade-Mark Division, 1,478. Oldest new case, July 7, 1939; oldest amended, Sept. 30, 1939.)
(The dates given are 1939 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Dec. 26	Dec. 28	550
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Nov. 6	Oct. 26	873
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Mar. 20	†Mar. 11	322
7063	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Dec. 13	Dec. 2	557
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	†Feb. 14	†Feb. 26	337
4806C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 25	Nov. 2	973
5725	7. JARBOE, C. G., Optics; Photography	†Jan. 2	†Jan. 3	991
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Nov. 18	Nov. 13	1,042
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 16	Nov. 15	778
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	†Feb. 5	†Mar. 6	383
5067B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Feb. 12	†Feb. 19	390
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Dec. 16	Dec. 6	520
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Dec. 4	Dec. 2	654
5097	14. REYNOLDS, E. L., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Jan. 24	†Jan. 16	647
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 17	Nov. 16	1,200
5716	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 22	Dec. 19	544
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 13	Dec. 30	586
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 22	Nov. 24	611
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Jan. 12	†Feb. 7	485
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	†Jan. 8	†Feb. 9	306
7738	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Jan. 26	†Jan. 31	485
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Oct. 2	Oct. 2	1,161
7624	23. BUTTNER, W. J., Registers (part)	Oct. 16	Sept. 30	258
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 30	Oct. 5	1,481
5709	25. BLAKELY, O. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	†Jan. 13	†Jan. 11	504
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Dec. 21	Dec. 15	448
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Nov. 7	Nov. 3	571
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Dec. 8	Nov. 20	513
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 20	Dec. 1	950
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidistats.	†Jan. 5	†Jan. 16	736
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	†Jan. 12	†Jan. 10	973
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	†Feb. 9	†Jan. 31	209
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	†Jan. 9	†Jan. 13	930
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	†Mar. 5	†Mar. 7	260
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Dec. 11	†Jan. 11	769
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Dec. 6	Dec. 11	759
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 21	Dec. 14	622
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Oct. 17	Oct. 19	762
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 4	†Jan. 6	596
7880	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	Oct. 11	Oct. 11	1,066
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Dec. 14	Dec. 14	283
5882	42. CUTTING, H. C., Electric Signaling	Oct. 19	Oct. 19	731
4994B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	†Jan. 5	Dec. 22	451
4087B	44. HARVEY, L. P., Refrigeration	Dec. 8	Nov. 17	684
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Feb. 12	†Jan. 26	428
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Dec. 16	Dec. 16	728
6062	47. KANOF, W. J. (Act.), Clutches; Brakes	†Jan. 12	†Jan. 11	491
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 28	Dec. 28	486
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 13	Nov. 14	934
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Dec. 13	Dec. 14	1,466
5628	51. BACKUS, C. D., Radiant Energy (part)	†Feb. 27	†Feb. 24	567
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 30	Dec. 26	669
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Lable Pasting and Paper Hanging.	Dec. 14	Nov. 16	361
6883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	†Mar. 7	†Mar. 8	261
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Dec. 16	†Jan. 5	485
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Nov. 11	Nov. 11	1,257
6613	57. NICOLSON, G. D. G., Cutting and Punching; Belt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	July 7	†Jan. 12	366
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 19	Dec. 6	451
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 30	Nov. 30	842
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	†Feb. 17	†Feb. 29	338
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Dec. 2	Dec. 16	627
5621	62. PUGH, E. C., Games; Geometrical Instruments	†Mar. 12	†Feb. 10	316
4886	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Oct. 14	Oct. 2	1,172
4706	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Feb. 8	†Jan. 31	601
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Feb. 22	†Feb. 3	459
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Apr. 1	†Apr. 22	1,373
	{Labels and Prints	†Apr. 26	†May 1	105
2605	Designs: H. H. KALUPY	†Apr. 1	†Apr. 15	825

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

HEUBERGER *v.* BECKER

No. 4,886. Decided December 4, 1939

[107 F.(2d) 601]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the Board of Appeals did not err either in considering the right of the senior party H to make claims corresponding to the interference counts or in holding that the Examiner of Interferences, on his own motion, had the right to consider and determine such question, and *Held* that the application of the senior party H does not support the counts in issue and that priority was properly awarded the junior party B.

APPEAL from Patent Office. Affirmed.

Mr. William T. Hedlund for Heuberger.

Mr. William Douglas Sellers for Becker.

LENROOT, *J.*:

This is an interference proceeding wherein appellant has brought before us for review a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner of Interferences awarding priority of invention to appellee.

The interference is between an application of appellant filed October 30, 1933, and an application of appellee filed April 9, 1934. Appellee being the junior party, the burden was upon him to establish priority of invention by a preponderance of evidence. Appellant claims the benefit of the filing dates of two German applications, filed on December 2, 1932, and January 31, 1933, respectively.

Three counts are involved, of which counts 1 and 2 are illustrative and read as follows:

1. A vacuum cleaner including a casing having an inlet port and outlet port, means for producing flow of air through said casing, a hollow part integral with said casing and opening to the interior of said casing, and a holding member for air conditioning material removably positioned within said hollow part, said hollow part and said holding member being disposed away from the center of the air stream through said casing so as to provide for free flow of air through the casing, the opening of said hollow part to the interior of said casing being closable from outside said casing.

2. A vacuum cleaner including a casing formed with an inlet port and an outlet port and including a removable cover member, means for producing flow of air through the space enclosed by said cover member, a hollow part integral with said cover member and opening to said space, a holding member for air conditioning material removably positioned within said hollow part, and means accessible from outside said casing to close the opening of said hollow part to said space.

The involved invention, as indicated by the quoted counts, relates to vacuum cleaners which have incorporated therein an odorizer unit, which includes valve means functioning to control the flow of air past a redolent volatile medium.

The interference was originally declared upon a single count. Appellee within the motion period moved to dissolve the interference upon the ground that the count was unpatentable over the prior art.

Appellant, also within the motion period, proposed to add four new counts, numbered 2, 3, 4 and 5. Appellee opposed the admission of count 2 upon the ground that it is not supported by appellant's disclosure, and opposed the admission of all the proposed counts upon the ground that they are unpatentable over the prior art.

Appellee did not oppose the admission of said counts upon the ground that appellant's application did not disclose the element of counts 1 and 3 before us reading "a hollow part integral with said casing", or the element of count 2 reading "a hollow part integral with said cover member."

The Primary Examiner granted appellee's motion to dissolve the interference as to original count 1 and denied the admission of proposed count 2, both upon the ground of unpatentability over the prior art. Neither original count 1 nor proposed count 2 contained the limitation above referred to, "a hollow part integral with said casing", nor did they contain the limitation "a holding member for air conditioning material" etc. contained in the counts before us.

The Primary Examiner allowed the admission of proposed counts 3, 4, and 5. While appellee did not oppose the admission of these counts upon the ground that appellant could not make claims corresponding thereto, the Primary Examiner in his decision upon the motion to dissolve and the motion to add counts said:

It is held that both parties can make these proposed counts 3, 4, and 5. It is believed that the part 19 of Heuberger, which is specified by him as being "securely fixed in an opening 36 in the casing" (Heuberger's specification page 2, lines 7 and 8) can be called a hollow part integral with said casing and opening to the interior of said casing.

He did not, however, hold that the element referred to rendered the counts patentable over the prior art, but stated:

The combination of references proposed by the party Becker in alleged anticipation of proposed counts 3, 4 and 5 is not deemed proper, there being no suggestion in the prior art of how the combination of references could be made. The receptacle for air conditioning material of Giambertoni is of a different type from that of Allen, and would not suggest the use of Allen's device in Ljungquist in the manner called for by proposed counts 3, 4 and 5. Proposed counts 3, 4 and 5 are therefore held to be allowable.

In his brief before the Primary Examiner opposing appellant's motion to add proposed counts, appellee not only did not claim that the counts before us did not read upon appellant's disclosure, but expressly contended that they did so read. In said brief, which is contained in the record before us, appellee's counsel stated:

Count 3 calls for "a hollow part integral with" and opening "to the interior of" the cleaner casing. The "hollow part" called for, referring specifically to the Heuberger construction, is the cylinder 19 of the odorizer unit 18 which is open interiorly of the cleaner casing 10. The count also calls for "a holding member for air conditioning material removably positioned within said hollow part,". This holder is the wire member 25. The count also sets forth that the odorizer unit, specifically called the "hollow part and said holding member", is disposed "away from the center of the air stream through said casing so as to provide for free flow of air through the casing". The making of the "hollow part" or body of the odorizer unit "integral" with the cleaner "casing" involves no invention. So long as the odorizer body is mounted on the cleaner casing so that the proper functional relationship can be obtained the fact of its being "integral" or non-integral with the cleaner casing is entirely unimportant. The word "integral" is entitled to no

different meaning than the phrase "mounted on". Absolutely no advantage accrues through making the odorizer body or "hollow part" non-removable.

After the decision of the Primary Examiner last above referred to, the interference was redeclared upon counts 1, 2 and 3, the subject of this appeal.

Both parties filed preliminary statements and took testimony. Notwithstanding the fact that appellee's counsel at no time had claimed that the counts before us did not read upon appellant's disclosure, but expressly stated that they did so read, the Examiner of Interferences in his decision upon final hearing considered this question and found that appellant's application did not disclose the element of counts 1 and 3 reading "a hollow part integral with said casing", and did not disclose the element of count 2 reading "a hollow part integral with said cover member." In his decision the Examiner of Interferences stated:

Although the parties' rights to make the counts are not contested, in the opinion of the Examiner of Interferences the right of the party Heuberger to make the counts is so clearly in question that the matter will be taken up under the authority of *Smith* v. *Foley* v. *Anderson* v. *Smith* (1908 C. D. 210; 136 O. G. 847).

Counts 1 and 3 require inter alia "a hollow part integral with said casing" and count 2 "a hollow part integral with said cover member". In the device disclosed in the Becker application the pulley cover or housing member 12 corresponds to the specified "casing" or "cover member" and it is constructed with a hollowed out portion 22 integral with it to receive the odorizer unit. In the Heuberger disclosure the cover member 12 corresponds to the "casing" or "cover member" but the hollow member 19 corresponding to the required hollow part is not formed out of casing 12 and is not in any other way an integral part of it. The specification merely states the "outer part 19 is securely fixed in an opening 36 in the casing" and this obviously is not the same thing as being integral with it. "Integral" means made "all of one piece" (Funk & Wagnalls New Standard Dictionary) and "securely fixed" may mean merely a pressed, screwed, or other temporary fit. While the one may or may not be the equivalent of the other in the manner of use intended by the party Heuberger, the Examiner of Interferences has no right to ignore an express limitation of the counts especially where applications not yet issued are involved. The adoption of such policy of ignoring express limitations of counts would merely lead to unnecessary indefiniteness of issues.

Priority of invention was awarded to appellee solely upon the ground of appellant's failure to disclose in his application the elements of the counts hereinbefore referred to.

Upon appeal the Board of Appeals affirmed the decision of the Examiner of Interferences awarding priority of invention to appellee. In its decision it stated:

This award was made because of the holding of the Examiner of Interferences on his own motion that the counts of the interference did not read on the Heuberger construction. These counts define a hollow part integral with the cover member or the casing. There seems to be no question as to the showing of Heuberger and the only question is whether the word "integral" is properly applied to two parts which are securely fixed together. In accordance with the definition of integral given in the Funk & Wagnalls New Standard Dictionary and referred to by the Examiner, there is no doubt that this word is improperly applied to the Heuberger construction. While appellant refers to several cases decided by the courts in infringement proceedings where the term "integral" was applied broadly to a functional relation of parts, it seems to us that the Examiner of Interferences was right in holding as he did in applications in the formative stage in this office that the proper language should be insisted upon in defining a structure and not ignored. We appreciate that it is somewhat unusual for an Examiner of Interferences on his own motion to take such a stand where neither of the parties raised this question and the Primary Examiner seems to have taken a contrary view when the claims were submitted under rule 109. However, the Examiner of Interferences is clearly within his rights in raising such a question. Note especially the practice as set forth in rule 126. If appellant considered that the Examiner did not follow the rule directly as to procedure, he should have petitioned the Commissioner before appealing from the action of the Examiner. This was not done. In any event, we believe the Examiner of Interferences was clearly right in exercising his privilege of holding claims not readable in his decision on final hearing.

This was the only point decided by the Board.

The Examiner of Interferences also held that the German applications relied upon by appellant fail to disclose the said elements found lacking in appellant's United States application. He further stated:

However if on appeal the viewpoint should be adopted that the counts are readable on the Heuberger domestic application then priority should be awarded the party Heuberger for in the opinion of the Examiner of Interferences the counts if readable on the domestic Heuberger application are readable on the Gebrauchsmuster disclosure in the manner pointed out above and the date of filing of the Gebrauchsmuster is earlier than any date alleged in the preliminary statement of the party Becker.

Upon this point the Board of Appeals stated:

The Examiner states that if his holding that the counts are not readable upon the Heuberger domestic application be held incorrect then Heuberger is entitled to the German Gebrauchsmuster patent disclosure to prove an earlier date than any urged in the preliminary statement of the party Becker. As we approve the holding of the Examiner of Interferences that the counts do not read upon the Heuberger domestic application as well as the Heuberger foreign patent, it is unnecessary to pass on other questions raised as to proofs of the German patents.

Two questions are presented for our decision:

1. In view of the failure of appellee to raise, during the motion period, the question of appellant's right to make claims corresponding to the counts before us, did the Examiner of Interferences have any right to decide that question, and did the Board of Appeals err in its holding that said Examiner had such right?

2. If the first question be answered in the affirmative, does appellant's application support the counts in issue?

It appears that the casing of neither party is integral. In both applications the casing is shown to consist of several parts. It is to be noted that the counts do not call for an integral casing, but for "a hollow part integral with said casing", and we think the term "casing" as used in the counts clearly refers to the entire structure serving as a casing, regardless of whether such structure be integral or in several parts.

It is conceded that appellee discloses a hollow part which is formed by a recess in that part of the casing described in appellee's application as a "pulley cover or housing member." This member is clearly a part of the casing, and it is equally clear that the "hollow part" to receive the odorizer unit is integral with said member.

In appellant's disclosure his "hollow member" is not integral with any part of the casing in the sense of being in one piece. Appellant's "hollow member" is, to quote from his specification, "securely fixed in an opening 36 in the casing."

It seems to be conceded that appellant's structure, as disclosed in his application, performs the same functions as does appellee's structure, as defined in the counts.

We will first consider the question of whether, under the circumstances of this case, the Examiner of Interferences had any right on his own motion to decide the question of appellant's right to make claims corresponding to the counts.

It is clear that if the Examiner of Interferences had not raised the question he could properly have ruled that this question would not be considered by him because of failure of appellee to raise it during the motion period.

If there be no patentable distinction between the structure disclosed by appellant and that disclosed by appellee, as appellant claims, it is unfortunate that counts were not presented clearly embracing the invention common to both disclosures. In view of appellee's failure to raise the question and his express statement that the counts do read upon appellant's disclosure, the Examiner of Interferences might well have ignored the question of appellant's right to make the claims corresponding to the counts; but if he had the right to decide the question, we must determine it upon its merits.

The Examiner of Interferences, in raising the question of appellant's right to make claims corresponding to the counts, relied upon a decision of the Commissioner of Patents in the case of *Smith* v. *Foley* v. *Anderson* v. *Smith*, 1908 C. D. 210, 136 O. G. 847 from which we quote:

E. A. Smith did not bring a motion to dissolve the interference on the ground that the other parties had no right to make the claims, and as no showing was made why such motion was not brought he is not entitled to urge this question under the provisions of rule 130. The fact that no such motion has been made does not prevent the tribunals of the Office from considering the question of their own motion when it clearly appears that one or more of the parties have no right to make the claims corresponding to some or all of the counts of the issue. Where, however, no such motion was made and the parties have during the whole procedure of the case acquiesced in the position taken by the Primary Examiner in declaring the interference, a decision should be rendered that certain of the parties are not entitled to make the claims only in a clear case where there can be no doubt on the question. * * *

Rule 126 of the Rules of the Patent Office provides as follows:

126. The Examiner of Interferences or the Board of Appeals may, either before or in their decision on the question of priority, direct the attention of the Commissioner to any matter not relating to priority which may have come to their notice, and which, in their opinion, establishes the fact that no interference exists, or that there has been irregularity in declaring the same (rule 122), or which amounts to a statutory bar to the grant of a patent to either of the parties for the claim or claims in interference. The Commissioner may suspend the interference and remand the case to the Primary Examiner for his consideration of the matters to which attention has been directed. From the decision of the Examiner appeal may be taken as in other cases. If the case shall not be so remanded, the Primary Examiner will, after judgment consider any matter affecting the rights of either party to a patent which may have been called to his attention, unless the same shall have been previously disposed of by the Commissioner.

It would seem that under this rule the Examiner of Interferences had the right, upon his own motion, to raise the question under discussion, for if his decision upon this point was correct it "establishes the fact that no interference exists", which is expressly provided for in said rule.

We have no doubt that upon this question appellant could have applied to the Commissioner of Patents to remand the case to the Primary Examiner, in which case the interference might have been suspended and the case remanded to the Primary Examiner for his consideration of this question. This however was not done and appellant must be deemed to have waived his rights in this respect.

Upon the record before us we cannot hold that the Board of Appeals erred in considering the right of appellant to make claims corresponding to the counts before us, or in holding that the Examiner of Interferences, on his own motion, had the right to consider and determine this question.

This brings us to the question of whether or not appellant's disclosure supports the counts in issue.

It is conceded that the hollow part of appellant's structure is not a part of the casing in the sense of being not separable from the casing. Appellant concedes that his structure corresponding in function to this element consists of a "hollow part" that is securely fastened to the casing, serving the same purpose while so fastened as a hollow part cast in one piece with the casing.

Appellant, however, makes two contentions: (1) that appellee's structure does not, any more than does appellant's structure, respond to the narrow meaning of the word "integral", and that it would be manifestly unfair to hold that appellant's disclosure does not support the counts without consideration of whether or not appellee's disclosure supports them; and, (2) that the term "integral" should be given the meaning applied to it by both parties as shown by the record.

We will first consider the contention of appellant that appellee's "hollow part" is not integral with the casing, using the term "integral" in its narrow sense.

This contention is based upon the fact that appellee's entire casing is not integral, but consists of separate pieces. The "hollow part" referred to in the counts is integral with only one part of the casing, viz., the "removable pulley cover or housing member."

The difficulty with this argument is that the counts do not call for an integral casing, but only a hollow part integral with the casing; obviously the pulley cover is a part of the casing for appellee's mechanism, and the "hollow part" referred to in the counts is integral therewith, the pulley cover and hollow part consisting of a single piece. We must therefore hold that appellee's application discloses the element here under consideration.

With respect to appellant's second contention, were the word "integral" ambiguous as applied to mechanics, or if, as used in this connection, it had both a broad and a narrow meaning, we would agree with appellant that, as the claims were proposed by him, it would be proper to resort to his disclosure as to the meaning intended by the term, and we should give weight to the construction given thereto by the parties in the earlier prosecution of the interference.

However there seems to be but one common meaning of the word "integral" as applied to mechanics. Funk & Wagnalls New Standard Dictionary states:

integral, * * * 4. *Mech.* All of one piece (of metal or wood); as, the shaft and base are cast *integral*. * * *

We think it must be held that the counts before

us must be construed as embracing a "hollow part" formed of one piece with the casing, or, in other words, integral with it, and this appellant does not disclose. It may be that appellant's structure in this respect is the full equivalent of the structure disclosed by appellee, but it is a familiar rule that positive limitations in counts may not be ignored. This is so well established that citation of authority is unnecessary.

Were it permissible for us to apply the doctrine of equivalents we might come to a different conclusion with respect to the right of appellant to make claims corresponding to the counts before us. However this court has consistently declined to apply this doctrine in the construction of counts in Patent Office proceedings. *In re Key*, 22 C. C. P. A. (Patents) 1098, 76 F.(2d) 398, 459 O. G. 5. This is upon the theory that when parties before the Patent Office deliberately formulate claims they should not thereafter in Patent Office proceedings be heard to contend that any limitation contained therein is not material.

In view of the conclusion which we have reached, it is unnecessary to consider other matters considered and decided by the Examiner of Interferences but not passed upon by the Board of Appeals.

For the reasons herein stated the decision appealed from is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

AUBURN RUBBER CORP.

v.

HANOVER RUBBER CO.

No. 4,200. Decided December 4, 1939

[107 F.(2d) 588]

TRADE-MARKS—CANCELLATION—SIMILARITY OF MARKS—"2-LIFE" AND "NU-LIFE".

Trade-mark "2-Life" registered for use on rubber heels *Held* confusingly similar to the trade-mark "Nu-Life" registered and used by petitioner on goods of the same descriptive properties.

APPEAL from Patent Office. Affirmed.

Mr. Edgar J. Clarkson (*Mr. Charles R. Allen* of counsel) for Auburn Rubber Corp.

No appearance for Hanover Rubber Co.

LENROOT, *J.:*

This is a trade-mark cancellation proceeding. On May 28, 1935, the United States Patent Office issued to appellant trade-mark registration No. 324,692 for the mark "2-LIFE" applied to rubber heels. The statement in the registration issued contains the recital that "The trade-mark has been continuously used and applied to said goods in applicant's business since August 12, 1924."

On August 19, 1936, appellee filed a petition for the cancellation of said mark and alleged that it had adopted and had used since on or about January, 1922, the mark "NU-LIFE" for rubber heels, soles and half soles; that said mark was registered in the United States Patent Office on February 6, 1923, registration No. 164,029; that petitioner is the owner of said registration and of all rights to the same; that petitioner's "NU-LIFE" rubber heels have been extensively sold and advertised, and that the marks of the parties are confusingly similar. The petition contained the usual allegation of injury to appellee by reason of appellant's registration.

Appellant's answer denied all the material parts of the petition except that it was admitted that the goods to which the respective marks are applied are of the same descriptive properties.

The evidence in the case consists of stipulated testimony. The stipulated testimony in behalf of appellee recites that appellee's place of business is at West Hanover, Massachusetts, and that it is engaged in the business of selling rubber products, including rubber heels and soles; that on or about January 3, 1922, it adopted and first used the trade-mark "NU-LIFE" and that since said date it has continuously used said mark upon rubber heels manufactured and sold by it; that it has sold over 13,000,000 pairs of heels bearing said mark; that said heels have been sold within the New England States and the State of New York; that appellee first heard of the "2-LIFE" trade-mark registration by appellant shortly prior to November 20, 1934, and that on said date the treasurer of appellee wrote a letter to appellant charging infringement of appellee's mark; and that appellant answered said letter denying that any infringement existed.

The stipulated testimony on behalf of appellant recites that it is located and doing business at Auburn, Indiana, and is successor to the business of Auburn Rubber Company by change of name; that on or about August 12, 1924, appellant, through its predecessor, first adopted and used the mark "2-LIFE" for rubber heels, and that it has continuously used said mark since said date in interstate commerce; that said mark was originated by the president of appellant, and that at the time of its adoption he had no knowledge of appellee's mark "NU-LIFE" used on rubber heels; that since its adoption and use of the mark "2-LIFE" appellant has expended large sums of money in advertising said mark and has employed a number of salesmen to exploit the trade-mark "2-LIFE" and solicit the sale of goods thereunder.

Said stipulated testimony further recites:

Respondent's heels bearing the trade-mark "2-LIFE" have been sold throughout the United States and in some foreign countries consistently since 1924, consistently including the continuous offering and selling of "2-LIFE" heels in the Central and New England States, the sales outlets including both the shoe factory and jobbing trade; that in more recent years the sale of this product has extended to chain stores and hardware jobbers; that the business of said respondent in the sale of "2-LIFE" heels, especially in the New England states and in the State of New York, has constantly increased with no known conflict with the sale of the "NU-LIFE" heel of the petitioner, the Hanover Rubber Company; * * *.

The Examiner of Interferences sustained the petition for cancellation upon the ground that the marks of the parties were confusingly similar. Upon appeal, the Commissioner affirmed the decision of the Examiner of Interferences, holding, as did said Examiner, that the marks were confusingly similar. From such decision this appeal was taken. Appellee has made no appearance in this court.

Appellant contends that the record establishes that, although the goods of the parties competed in the same market, no confusion or mistake between the marks has occurred in the mind of the public, and that the marks so differ in appearance, sound, and significance that the Commissioner erred in holding that they are confusingly similar.

It is true that there is some difference in the significance of the two marks, but both suggest the life of the heels to which the marks are applied. "2-LIFE" suggests longer than ordinary life of the heels, while "NU-LIFE" suggests a life of the heels that is new. Broadly, however, the significance of the two marks to the ordinary purchaser is the same.

Appellant would attach very little weight to the "LIFE" portion of each mark. However we think this common portion of the two marks is important to the purchaser; and, regarding the marks as a whole, without dissecting them, we must give considerable weight to the common portions thereof in determining whether the marks are confusingly similar.

We have no doubt that in sound the two marks should be held to be confusingly similar, unless we agree with appellant's contention that the record establishes that in twelve years' competitive use in the same territory no confusion has occurred, and that such fact establishes that the marks are not confusingly similar.

We would first observe that we cannot agree with appellant's counsel that the record establishes that no confusion has ever occurred in the use of the two marks. The evidence relied upon to establish this contention consists of the stipulated testimony of three witnesses, all of whom were located and residing at Auburn, Indiana, far from the field in which the products to which the respective marks were applied were in competition, and we think the fair construction of their testimony is that no confusion was known to them, and such testimony cannot be regarded as establishing that there had been no actual confusion in the minds of purchasers by reason of the similarity of the marks.

In any event, proof tending to show lack of confusion in the use of trade-marks is not controlling. The question in cases like the one before us is whether the use of the marks involved would be likely to cause confusion or mistake in the mind of the public or to deceive purchasers. The answer to this question is largely a matter of opinion after considering the marks and the goods to which they are applied. *Procter & Gamble Co.* v. *J. L. Prescott Co.*, 18 C. C. P. A. (Patents) 1433, 49 F.(2d) 959, 418 O. G. 1105; see also *Pepsodent Co.* v. *Comfort Manufacturing Co.*, 23 C. C. P. A. (Patents) 1224, 83 F.(2d) 906, 472 O. G. 258.

The articles to which the respective marks are applied are inexpensive, and it is clear that no great care in purchasing would be observed; we think that in the sound of the marks, when spoken, purchasers would very likely fail to distinguish between "2-LIFE" and "NU-LIFE" and would be confused by their similarity.

We think it proper to observe that so far as appears from the record before us appellant adopted in good faith its mark "2-LIFE", without any previous knowledge of appellee's mark.

We are of the opinion that the Patent Office tribunals did not err in sustaining appellee's petition for cancellation and the decision of the Commissioner is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

KRAFT-PHENIX CHEESE CORP.

v.

CONSOLIDATED BEVERAGES, LTD.

No. 4,223. Decided December 26, 1939

[107 F.(2d) 1004]

TRADE-MARKS—OPPOSITION—GOODS NOT OF SAME DESCRIPTIVE PROPERTIES—"SOFT DRINKS" AND "CHEESE-COATED POPCORN".

Nonalcoholic maltless beverages sold as soft drinks and syrups and extracts used in making the same *Held* not to possess the same descriptive properties as cheese-coated popcorn.

APPEAL from Patent Office. Affirmed.

Mr. Cyril A. Soans and *Mr. William E. Anderson* for Kraft-Phenix Cheese Corp.

Mr. Eugene E. Stevens for Consolidated Beverages, Ltd.

JACKSON, *J.:*

This is an appeal from a decision of the Commissioner of Patents affirming that of the Examiner of Interferences dismissing the opposition of appellant which sought to prevent the registration by appellee of the mark "O'Kee-Dokee." The application alleges use of the mark sought to be registered since January 2, 1936 for "Nonalcoholic maltless beverages sold as soft drinks and syrups and extracts used in making the same."

Appellant, owner of the registered trade-mark "O-Ke-Doke" issued November 19, 1934, alleges in its notice of opposition that the goods mentioned in the application of appellee are of the same descriptive properties as the products of the appellant, and that the mark of the appellee so closely resembles the mark of the appellant as to be likely to cause confusion in the mind of the public and to deceive purchasers.

These allegations of appellant are traversed by answer. Both parties took testimony and many exhibits are in evidence.

The goods which appellant alleges possess the same descriptive properties as the soft drinks of the appellee are, for the greater part, cheese-coated popcorn, although there is testimony that some cheese flavoring is sold and sprayed on popcorn. All of the aforesaid cheese-flavored popcorn, however, is sold under the trade-mark of the appellant. The merchandise which appellant principally relies on is cheese-coated popcorn, the record showing that it is in part sold in cans and small bags to, and retailed by, chain and drug stores such as handle

soft drinks. It was testified that it is sold by appellant in greater part to the tavern trade and is highly recommended by appellant for serving with beverages. It is advertised as "An amazing thirst creator and appetizer * * * it speeds up orders. Keep O-Ke-Doke on the bar; serve it at tables."

The only witness appearing for appellant had charge of its bakery products department which handles the cheese-coated popcorn. When asked to name any concern which manufactured both cheese-flavored food products and soft drinks, he referred only to the Wheeler Mineral Springs Company of Youngstown, Ohio, one of appellant's customers for cheese flavoring. This customer puts the flavoring on popcorn, and is a seller of mineral water.

The Examiner of Interferences, after pointing out that the property of creating thirst alleged to be present in appellant's goods was stressed in appellant's brief, stated that this characteristic was not believed to be necessarily important to the issue because many edibles such as fish and peanuts have a like effect. The Examiner held that:

> For opposer to emphasize it [thirst quenching property] in promoting the sale of its goods cannot affect the essential characteristics of the goods of either party.

After stating that it seemed to him that appellant's goods are principally food products, as distinguished from a soft drink, and that there was nothing in the record which he deemed sufficient to show that both types of goods commonly have the same personal origin, the Examiner held that the goods of the parties do not possess the same descriptive properties within the meaning of the statute.

The Commissioner in his decision stated as follows:

> Opposer stresses the fact that its cheese popcorn has been advertised as a "thirst creator", and has thus been popularized for consumption with beverages, and points out that the product is for sale in many establishments which also handle soft drinks. These points merit attention of course, and in close cases similar considerations have sometimes been deemed by the courts to be of controlling importance. It seems to me, however, that the goods here involved are so completely different in all essential respects that neither the possibility of their conjoint use nor the fact of their sale through common channels is of sufficient weight to affect materially the question at issue. I am clearly of the opinion that such goods do not belong to the same general class of merchandise.

We are of the opinion, after a careful consideration of the record, that the Commissioner of Patents did not err in holding that the goods of the parties do not belong to the same general class of merchandise.

It is commonly known that soft drinks have for their main purpose the quenching of thirst and, even though they may be flavored, ordinarily are never considered as a food. Popcorn is derived from corn and is certainly a food. Cheese is made from milk and likewise is a nutritious food product.

It does not appear from the record that taverns, which are alleged to be the principal outlet for opposer's goods, cater especially to the soft drink trade; and, with respect to the drug and chain stores where the goods of both parties appear to be sold, it is a matter of common knowledge that such institutions sell an almost unlimited variety of articles in distinct and substantially unrelated lines of trade.

Even though, as is stated by the Commissioner, the fact that cheese popcorn has been popularized for consumption with beverages merits attention in a proper case, on the record before us we do not find that there is any likelihood of confusion as to origin or that purchasers would be deceived, although the products may be sold through common channels or used together.

We have examined with great care the authorities cited by appellant, but we are compelled to state that in cases of this character precedents are necessarily of little value, unless, of course, they involve applicable principles of law, for the reason that the facts ordinarily differ so materially from those forming the bases of the prior decisions that each trade-mark case involving right to registration must rest on its own facts. *Langfield* v. *Brady*, 26 C. C. P. A. (Patents) 908, 101 F. (2d) 530, 505 O. G. 236, wherein it was said:

> Decisions of this and other courts upon the question of confusing similarity of other marks not here involved can not of course be controlling here, and are merely persuasive, for each case must be decided upon its own facts.

None of the cases cited by the appellant involved any principle of law favorable to his contention here.

Accordingly, we are of the opinion, in view of the record presented, that the goods of the respective parties are not of the same class and do not possess the same descriptive properties. Since we are of this opinion, it is unnecessary for us to consider the similarity in the names "O-Ke-Doke" and "O'Kee-Dokee."

Points of minor importance have been raised on this appeal, but in view of our decision it is not necessary to unduly prolong this opinion by discussing them.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,247,540, 1,247,542, Re. 15,140 (of 1,247,543), 1,286,017, Re. 19,577 (of 1,341,561), W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids, D. C., N. D. Tex. (Fort Worth), Doc. E 808, *Activated Sludge, Inc.*, v. *City of Quanah, Tex.* Dismissed Mar. 15, 1940.

1,247,542. (See 1,247,540.) 1,247,543. (See 1,247,540.)

1,282,587. (See 1,247,540.) 1,286,017. (See 1,247,540.)

1,341,561. (See 1,247,540.)

1,456,079, H. Stuebner, Method and mechanism for continuously producing and setting rivets, D. C., E. D. Pa., Doc. 9775, *Wildman Mfg. Co.* v. *Royersford Needle Works, Inc.* Dismissed Mar. 12, 1940.

1,493,687, W. Lowell, Golfing tee, D. C., E. D. Pa., Doc. 9707, *The Reddy Tee* v. *Passon, Inc.* Dismissed Mar. 12, 1940.

1,565,267, D. F. Fowler, Upholstery pad, D. C., E. D. Pa., Doc. 9645, *D. F. Fowler et al.* v. *Kay Mfg. Corp. et al.* Dismissed Mar. 12, 1940.

1,567,863, Sargent & Reamer, House wiring structure, D. C., E. D. N. Y., Doc. E 8043, *General Electric Co.* v. *Leviton Mfg. Co.* Decree for plaintiff Mar. 15, 1940.

1,603,535, E. Haberfeld, Device for creating an optical illusion, D. C., S. D. N. Y., Doc. E 85/185, *Biolite, Inc.*, v. *Bubble-Glo Sign Co., Inc.* Dismissed without prejudice (notice Mar. 13, 1940).

1,603,589, A. C. Felton, Jr., Refuse and garbage incinerator, filed (notice Mar. 12, 1940), D. C., S. D. Fla. (Jacksonville), Doc. 168–J, *Nye Odorless Incinerator Co.* v. *Town of Atlantic Beach et al.*

1,652,006, D. E. Gamble, Clutch plate; 1,717,534, E. E. Wemp, Clutch construction, D. C., E. D. Mo. (St. Louis), Doc. 12303, *Borg-Warner Corp. et al.* v. *Wagner Electric Corp.* Consent decree for plaintiff, injunction Mar. 16, 1940.

1,654,871, Gage & Johnson, Machine for putting up tamales, filed Mar. 11, 1940, D. C., N. D. Tex. (Dallas), Doc. 250, *J. A. Gage et al.* v. *F. L. White* (*Champion Chili Co.*).

1,655,481, D. L. Van Leuven, Running gear; 1,757,758, J. R. Junkin, same, filed Mar. 8, 1940, D. C., S. D. Calif. (Los Angeles), Doc. 53, *Six Wheel Corp. et al.* v. *A. T. Ashjian et al.* (*Reliable Automotive Co.*).

1,670,230. (See Re. 19,557.)

1,703,519, J. P. Dovel, Method for the protection of blast furnace jackets; 1,703,520, same, Apparatus for the protection of blast furnace jackets, D. C., E. D. Pa., Doc. 46, *J. P. Dovel & Co., Inc.*, v. *Bethlehem Steel Co.* Consent decree dismissing bill Mar. 11, 1940.

1,703,520. (See 1,703,519.)

1,709,477, W. D. Kyle, Insulator, filed Mar. 15, 1940, D. C., S. D. N. Y., Doc. 8/29, *Line Material Co.* v. *J. Tucker et al.* (*U. S. Electrical Supply Co.*). Doc. 8/38, *Line Material Co.* v. *Fairway Electrical Supplies Co., Inc.*

1,717,534. (See 1,652,006.) 1,757,758. (See 1,655,481.)

1,779,102, W. H. Oldfield, Bath trap, filed Mar. 15, 1940, D. C., W. D. N. Y., Doc. 399, *R. W. Oldfield* v. *Munn Brass Works.*

1,780,711, I. J. Lichter, Call system; 1,795,536, R. B. Baker, Paging system, D. C., S. D. N. Y., Doc. 2/131, *The Holtzer-Cabot Electric Co.* v. *Auth Electrical Specialty Co., Inc.* Dismissed without prejudice (notice Mar. 8, 1940).

1,795,449, E. P. Seghers, Top for percolators, filed Mar. 18, 1940, D. C., N. D. Ohio, E. Div., Doc. 20240, *E. P. Seghers* v. *A. B. Gardella et al.* (*Gardella Mfg. Co., Inc.*).

1,795,536. (See 1,780,711.)

1,814,951. (See Re. 19,557.)

1,839,590, H. V. Reed, Friction clutch, D. C., E. D. Mo. (St. Louis), Doc. 291, *Borg-Warner Corp.* v. *Wagner Electric Corp.* Consent decree for plaintiff, injunction Mar. 16, 1940.

1,850,033, W. H. Ritter, Sanitary napkins, D. C., S. D. N. Y., Doc. 3/435, *The Sterilek Co., Inc.*, v. *Johnson & Johnson.* Stipulation and order (notice Mar. 15, 1940).

1,870,119, G. A. Hughes, Airplane, D. C. Nebr. (Lincoln), Doc. 28, *G. A. Hughes* v. *United Air Lines Transport Corp.* Dismissed for want of equity (notice Mar. 11, 1940).

1,891,056, A. Schoeninger, Ornamental chain construction, filed Mar. 18, 1940, D. C. R. I., Doc. 49, *Forstner Chain Corp.* v. *J. L. Sohn* (*The Sun Co.*).

1,907,906, S. V. Van Riper, Mail chute, D. C., E. D. N. Y., Doc. 352, *Cutter Mail Chute Co.* v. *Capitol Mail Chute Corp.* Judgment favor plaintiff Mar. 18, 1940.

1,919,674, L. Wenczel, Pneumatic puffing machine, D. C., S. D. N. Y., Doc. 1/263, *W. Gillman et al.* (*Sterling Airbrush Co.*) v. *C. Bailor* (*U. K. Puffing Co.*) *et al.* Judgment (notice Mar. 12, 1940).

1,968,030, R. de Filippis, Automatic gearless transmission, filed Mar. 13, 1940, D. C., S. D. N. Y., Doc. 8/19, *R. de Filippis* v. *Chrysler Sales Corp.*

2,022,581, Alden & Buckendale, Drive axle, C. C. A., 6th Cir., Doc. 8042, *Lempco Products, Inc.*, v. *Timken-Detroit Axle Co.* Patent held invalid (notice Mar. 12, 1940).

2,052,221, W. J. Dubil, Method of preparing fresh meat, D. C., S. D. Calif. (Los Angeles), Doc. 247–B, *W. J. Dubil et al.* v. *D. Landau et al.* (*Eastern Tenderised Steak Co.*). Patent held valid Mar. 11, 1940.

2,067,877, Lawson & Smith, Jr., Knitting machine, D. C., E. D. Pa., Doc. 9731, *Hemphill Co.* v. *Wildman Mfg. Co.* Dismissed Mar. 12, 1940.

2,082,779, W. C. Buchholz, Knitted article and method of producing same, filed Mar. 13, 1940, D. C., S. D. N. Y., Doc. 8/18, *Ackschand Knitting Co., Inc.*, v. *A. Friedman* (*Jerome Knitting Mills*).

2,132,720. (See 2,172,331.)

2,166,360, D. Lewis, Bottom for bags, filed Mar. 12, 1940, D. C., E. D. N. Y., Doc. 956, *D. Lewis* v. *Em Kay Ladies Bag Co., Inc.* Same, D. C., S. D. N. Y., Doc. 8/4, *D. Lewis* v. *Ronay, Inc., et al.*

2,170,085, C. Lengyel, Insulating covering for hot air furnaces, D. C., W. D. N. Y., Doc. 380, *Great Lakes Furnace & Insulating Corp.* v. *G. B. Ronayne et al.* Consent decree Mar. 13, 1940.

2,172,331, J. V. Christensen, Jr., Air conditioned produce stand; 2,132,720, same, Vegetable cooling spray, filed Mar. 14, 1940, D. C., S. D. Calif. (Los Angeles), Doc. 847–B, *C. W. Becka* v. *C. McAfee.*

2,183,981, W. W. Bennett, Method and Material for treating fruit, filed Mar. 8, 1940, D. C., S. D. Calif. (Los Angeles), Doc. 840–M, *W. W. Bennett* v. *F. L. Hummel et al.*

2,187,375, P. Florin, Wallet, filed Mar. 8, 1940, D. C., S. D. N. Y., Doc. 7/490, *Philip Florin, Inc.*, v. *Puritan Leather Goods Co., Inc.*

Re. 15,140. (See 1,247,540.)

Re. 19,557 (of 1,670,230), J. Baumann, Attachment for doughnut cutting and cooking machines; 1,814,951, J. H. Muller, Attachment for doughnut blank cutting machines, D. C., E. D. Pa., Doc. 9625, *J. Baumann* v. *I. Pessin* (*Virginia Donut Co.*). Doc. 9627, *J. Baumann* v. *B. Pessin* (*Original Icy Donut Shop*). Dismissed Mar. 12, 1940, in each of above cases.

Re. 19,577. (See 1,247,540.)

Des. 91,487, J. C. Johnson, Combination cooking utensil, filed Mar. 14, 1940, D. C., N. D. Ala. (Birmingham), Doc. 5090, *N. G. Neal et al.* v. *Lawler Machine Co.*

Des. 98,090, Des. 98,187, Des. 104,408, W. Rosenthal, Brassière, D. C., S. D. N. Y., Doc. E 86/224, *Maiden Form Brassiere Co., Inc.*, v. *Lerner Stores Corp.* (*Md.*) *et al.* Consent order of discontinuance (notice Mar. 8, 1940).

Des. 98,187. (See Des. 98,090.)

Des. 104,408. (See Des. 98,090.)

Des. 111,059, L. Berger, Dress, D. C., S. D. N. Y., Doc. 1/314, *L. Rappaport* (*Ritzy Dress Co.*) v. *Avalon Dresses, Inc.* Decree (notice Mar. 15, 1940). Doc. 1/315, *L. Rappaport* (*Ritzy Dress Co.*) v. *Formal Dresses, Inc.* Judgment dismissing complaint (notice Mar. 11, 1940).

Des. 116,500, J. Abbate, Dress, D. C., S. D. N. Y., Doc. 6/38, *Abbate-Swift, Inc.*, v. *Louis Platt, Inc.* Consent order of discontinuance (notice Mar. 12, 1940).

Des. 117,009, Des. 117,131, A. Tabin, Textile fabric, filed Mar. 15, 1940, D. C., S. D. N. Y., Doc. 8/34, *Tabin-Picker & Co. et al.* v. *National Blouse Corp.*

Des. 117,131. (See Des. 117,009.)

Des. 117,215, J. Chambart, Dress, D. C., S. D. N. Y., Doc. 6/45, *Mike Levine, Inc.*, v. *Wald & Waltzer, Inc.* Consent order of discontinuance (notice Mar. 12, 1940).

Des. 117,527, S. Novak, Dress, filed Mar. 16, 1940, D. C., S. D. N. Y., Doc. 8/41, *J. White et al. (Flora Dress Co.)* v. *Lombardy Dresses, Inc.*

Des. 118,505, S. Novak, Dress, filed Mar. 16, 1940, D. C., S. D. N. Y., Doc. 8/40, *J. White et al.* v. *Morestyle Frocks, Inc.*

Des. 118,760, R. Schmidt, Textile fabric, D. C., S. D. N. Y., Doc. 7/477, *Cohn-Hall-Marx Co.* v. *Mitchell & Weber, Inc.* Consent order of discontinuance (notice Mar. 15, 1940).

Des. 118,770, S. Faden, Dress, filed Mar. 12, 1940, D. C., S. D. N. Y., Doc. 8/5, *B. Weinberg et al.* v. *Revue Frocks, Inc.*

Des. 119,136, S. Novak, Dress ensemble, filed Mar. 16, 1940, D. C., S. D. N. Y., Doc. 8/39, *J. White et al. (Flora Dress Co.)* v. *Futterman-Sotto, Inc.*

Des. 119,318, P. Heit, Dress, filed Mar. 13, 1940, D. C., S. D. N. Y., Doc. 8/14, *B. Weinberg et al.* v. *Elgin Dress Co., Inc., et al.*

Des. 119,452, M. V. Mascitelli, Dress, D. C., S. D. N. Y., Doc. 8/21, *Bon-Ray Dance Frocks, Inc.*, v. *Topper Formals, Inc.* Consent decree Mar. 19, 1940.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,157,329, F. B. Fillo, Control system, decided April 30, 1940, claims 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18.

Pat. 2,130,510, A. L. Samuel, Electron discharge device, decided May 7, 1940, claims 1, 2, and 12.

Pat. 2,122,674, A. J. Wardle, Strip uncoiler cradle, decided April 19, 1940, claims 1, 2, and 14.

Disclaimers

Re. 20,898.—*Arthur A. Schabinger*, Chicago, Ill. DEVICE FOR BASKETBALL GAMES. Patent dated October 25, 1938. Disclaimer filed May 6, 1940, by the patentee.

Hereby disclaims claims 5, 6, and 7 of said reissue patent.

1,743,965.—*Henry Garrett*, Dallas, Tex. SYSTEM FOR OPERATING TRAFFIC-CONTROLLING AND FIRE-ALARM APPARATUS. Patent dated January 14, 1930. Disclaimer filed May 3, 1940, by the assignee, *National Electric Signal Company*.

Hereby enters this disclaimer to claims 5 and 6 in said specification.

1,793,954.—*Joseph W. Myers*, Jackson, Mich. THERMOSTATIC APPARATUS. Patent dated February 24, 1931. Disclaimer filed May 2, 1940, by the assignee, *Proctor & Schwartz, Inc.*

Hereby enters this disclaimer to claims 1 and 3 in said patent.

1,897,318.—*John H. McIlvaine*, Lake Forest, Ill. APPARATUS FOR BURNING LIQUID FUEL. Patent dated February 14, 1933. Disclaimer filed May 6, 1940, by the assignee, *McIlvaine Burner Corporation*.

Hereby enters this disclaimer to that part of claim 36 which is in excess of the following—

In a liquid fuel burning apparatus, the combination with a furnace, of an open fire-pot disposed therein for burning a combustible mixture of liquid fuel and air and having an air inlet opening, an air conduit communicating with the air inlet to deliver air into the fire-pot, a liquid fuel delivery pipe arranged to discharge raw liquid fuel in a thin stream directly into the fire-pot so as to be instantaneously split up and vaporized by coming in contact with a hot wall in the fire-pot, in the presence of the air delivered into said fire-pot, whereby to form a combustible mixture directly in the fire-pot, a fan means for continuously supplying air to the air conduit at a variable rate for discharge into the fire-pot, a motor for operating the fan means, and means for continuously supplying liquid fuel to the fuel delivery pipe at a variable rate for discharge into the fire-pot, said liquid fuel and fan means interconnected to deliver a variable amount of fuel in proportion to the air delivered, whereby to provide a properly proportioned combustible mixture of fuel and air, the fuel and air continuously delivered serving to maintain a flame in the fire-pot and keep the same hot for continuously vaporizing fuel, whereby a flame of any size desired is arranged to be built up from a low feed or pilot flame by concurrently increasing the feed of fuel and air, so as to operate without necessity for a separate pilot or igniter.

2,059,774.—*Walter Caccia*, White Plains, N. Y. METHOD OF CONSTRUCTING SUBWAYS. Patent dated November 3, 1936. Disclaimer filed May 7, 1940, by the assignee, *John H. Unlandherm*.

Hereby enters this disclaimer to claims 1, 8, 9, 10, 12, 13, 14, 15, 18, and 19 of said specification.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING APRIL, 1940

FANNY FARMER CANDY SHOPS, INC., *v.* FLORENCE FARMER CLARK, Opposition No. 17,644.

In a decision rendered April 10, 1940 (163 Ms. Dec. 470, 45 U. S. P. Q. 233), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of Fanny Farmer Candy Shops, Inc., of Rochester, N. Y., to the application of Florence Farmer Clark, of Arlington, Va., for registration of a trade-mark on the ground that the goods with which applicant's mark and the mark relied upon by opposer are respectively used are of different descriptive properties.

Observing that opposer's goods are nut meats, chocolate bars and candy and that the proposed registration is for French dressing, the Assistant Commissioner said:

"Broadly speaking these items are all food products, and opposer's counsel takes the position that they are thus necessarily of the same descriptive properties within the meaning of the Trade-Mark Act as construed in recent years by the courts. In support of that position counsel relies upon *Cheek-Neal Coffee Co.* v. *Hal Dick Manufacturing Co.*, 17 C. C. P. A. 1103, 40 Fed.(2d) 106, where the Court of Customs and Patent Appeals held in effect that all grocery products possess the same descriptive properties. Opposer's goods, however, are not groceries, but confectioneries; so that the cited case is in no sense controlling. Moreover, since that case was decided the same court has held, in *Cracker Jack Co.* v. *Blanton Citrus Growers, Inc.*, 23 C. C. P. A. 925, 81 Fed.(2d) 553, 'that a popcorn confection and fresh citrus fruits are not goods of the same descriptive properties', though both are obviously foods. If precedent were needed, I think the latter case is more nearly in point than the former."

HOCKMEYER BROS., INC., *v.* ELDER MANUFACTURING COMPANY, Opposition No. 16,714.

In a decision rendered April 10, 1940 (163 Ms. Dec. 469, 45 U. S. P. Q. 232), *Assistant Commissioner Frazer* dismissed the opposition of Hockmeyer Bros., Inc., of Portland, Oreg., to the application of Elder Manufacturing Company, of St. Louis, Mo., for the registration of the notation "Tufferoy" as a trade-mark for "cotton pile fabrics"; but further adjudged applicant not entitled to such registration because of its failure to use the mark on the particular goods set forth in the application.

Observing that applicant took testimony in the opposition proceeding, from which it appears conclusively that applicant does not deal in cotton pile fabrics and applies the mark only to boys' corduroy garments, the Assistant Commissioner said:

"It is well established in the Patent Office that use of a mark on a finished product will not support registration of such mark for the materials of which the product is made. See *Es perts Maiden Form Brassiere Co.*, 500 O. G. 774, 40 U. S. P. Q. 573, and cases there cited. Applicant's mark here in issue is already registered for 'wearing apparel for young men and boys—namely, jackets, jumperalls, knickers, shorts, slacks, coats, and outer shirts'; and so far as is disclosed by the present record that description covers all merchandise with which the mark has been used."

Noting that the opposition was predicated upon opposer's asserted ownership of the trade-mark "TweeDuroY", registered for "cotton piece goods—viz., corduroy", the Assistant Commissioner said:

"I think the two marks 'TweeDuroY' and 'Tufferoy' differ sufficiently in appearance, sound and significance to insure against any reasonable likelihood that confusion will result from their concurrent use in connection with the goods to which they are applied."

FRUTANA COMPANY *v.* JOHN JOSEPH MUSSELMAN, Cancelation No. 3377.

In a decision rendered April 10, 1940 (163 Ms. Dec. 471, 45 U. S. P. Q. 231), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences sustaining the petition of Frutana Company, of New York, N. Y., for cancellation of trade-mark registration No. 343,627, issued February 23, 1937, under the provisions of the act of March 19, 1920, to John Joseph Musselman, of New York, N. Y.

In his decision the Assistant Commissioner said:

"Respondent's application for registration was filed September 3, 1936, and it clearly appears from the record that petitioner's immediate predecessor in interest had been using the mark upon which petitioner here relies throughout the entire year next preceding that date. That being true, earlier use of the mark, either prior or subsequent to respondent's adoption of his mark, becomes immaterial in so far as respondent's right to registration is concerned; because respondent's use of his mark was not exclusive during the year immediately preceding the filing of his application."

He then quoted from his decision in the case of *Buffalo Rock Co.* v. *Allen*, 495 O. G. 717, to the effect that an applicant's use of his mark must have been exclusive during the year immediately preceding his application for registration, and that otherwise any person who can show himself injured by such registration is entitled to have the same cancelled.

WESTERN CHEMICAL COMPANY *v.* MONSANTO CHEMICAL COMPANY, Opposition No. 18,103.

In a decision rendered April 16, 1940 (163 Ms. Dec. 474, 45 U. S. P. Q. 284), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of Western Chemical Company, of St. Joseph, Mo., to the application of Monsanto Chemical Company, of St. Louis, Mo., for registration of the notation "Santox" as a trade-mark for "chemical compounds employed as preventers of rancidity in soap and vegetable oils."

Observing that the opposition was predicated upon opposer's asserted prior use of the trade-mark "Sanitox" in connection with insecticides, and that the Examiner of Interferences held that applicant's goods and those of the opposer are not of the same descriptive properties, and dismissed the opposition

on that ground, the Assistant Commissioner said:

"No testimony was taken by either party, and in the absence of any evidence upon the subject I am unable to say that the Examiner erred in his ruling. To hold otherwise upon the record before me would involve mere speculation."

BRISTOL-MYERS COMPANY *v.* FRANK W. EPPERSON, Opposition No. 18,068.

In a decision rendered April 16, 1940 (163 Ms. Dec. 474, 45 U. S. P. Q. 283), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences sustaining the opposition of Bristol-Myers Company, of New York, N. Y., to the application of Frank W. Epperson, of Oakland, Calif., for registration of the word "Viteen", printed vertically, in association with a design and certain disclaimed descriptive matter, as a trade-mark for "a shampoo preparation for the hair and scalp."

Observing that opposer is the owner of the trade-mark "Vitalis", registered prior to applicant's claimed date of first use, for "a hair tonic", the Assistant Commissioner said:

"Manifestly the goods of the parties are of the same descriptive properties, and I am constrained to agree with the Examiner that the question of confusing similarity between their marks is at least open to doubt. Resolving that doubt, as I must, in favor of the first in the field, it follows that in my opinion the opposition was properly sustained."

In answer to applicant's argument that opposer's mark is descriptive, and hence not entitled either to registration or to protection, the Assistant Commissioner said:

"It is now well settled, however, that the validity of an opposer's registered trade-mark may not be questioned in an opposition proceeding."

He then quoted from the decision of the Court of Customs and Patent Appeals in *Skelly Oil Co.* v. *Powerine Co.*, 24 C. C. P. A. 790, 86 Fed.(2d) 752, and added:

"In *American Fruit Growers* v. *Michigan Fruit Growers*, 17 C. C. P. A. 906, 38 Fed.(2d) 696, it was pointed out by the same court that the remedy afforded by the statute to those deeming themselves injured by an improperly issued registration is to apply for its cancelation."

EX PARTE THE MACGREGOR COMPANY, Serial No. 407,871.

In a decision rendered April 19, 1940 (163 Ms. Dec. 476, 45 U. S. P. Q. 285), *Assistant Commissioner Frazer* held that The MacGregor Company, of Dayton, Ohio, is not entitled to register the name "MacGregor", under the provisions of the act of February 20, 1905, as a trade-mark for "golf clubs and parts thereof, golf balls, golf bags, golf markers, golf tees, and golf practice devices."

Noting that the Examiner refused registration on the ground that the mark is a surname not distinctively displayed and that, as shown on applicant's drawing, the name is printed in bold script letters, described in the brief as being unconventional and fanciful, and that applicant's counsel argues that within the meaning of section 5 of the act this constitutes a "particular or distinctive manner" of printing, the Assistant Commissioner said:

"On authority of *In re Nisley Shoe Co.*, 19 C. C. P. A. 1211, 58 Fed.(2d) 426, counsel's contention must be overruled, because the test there prescribed by the Court of Customs and Patent Appeals has not been met."

In answer to applicant's argument that the word sought to be registered, by reason of its long use, has acquired a secondary meaning in connection with applicant's goods, and has thus ceased to be "merely" the name of an individual, he said:

"It is now well settled, however, that secondary meaning adds nothing to the registrability of a word or expression that is otherwise nonregistrable under the statute. *The Key & Ess Co.* v. *Coe*, 68 App. D. C. 3, 92 Fed.(2d) 552; *In re Canada Dry Ginger Ale, Inc.*, 24 C. C. P. A. 804, 86 Fed.(2d) 830."

As applicant has previously been granted a registration of the name "MacGregor" for golf clubs and golf balls, that fact was relied upon as being entitled to "considerable weight and persuasiveness as to registrability in the present instance" and the Assistant Commissioner said:

"Upon this point counsel cites my decision in *Ex parte New York Evening Journal, Inc.*, 505 O. G. 1034, 42 U. S. P. Q. 467, where I expressed the opinion 'that after a mark has once been registered its owner is entitled to the benefit of any reasonable doubt as to the registrability of the same or a closely similar mark upon a subsequent application to register.' I further stated in that case, however, that I was unable to apply the rule because I could find no room for doubt. That is equally true here, because in my opinion applicant's mark as presented is clearly nonregistrable."

EX PARTE THE MAY DEPARTMENT STORES COMPANY, Serial No. 398,542.

In a decision rendered April 19, 1940 (163 Ms. Dec. 476, 45 U. S. P. Q. 285), *Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Marks and held that The May Department Stores Company, of St. Louis, Mo., is entitled to register the notation "British Brogue", under the provisions of the act of March 19, 1920, as a trade-mark for "men's shoes made of leather."

Noting that the Examiner's position is that "British Brogue" is merely the name of a well-known type of shoe, and hence incapable of trade-mark significance, the Assistant Commissioner said:

"'Brogue' is, of course, the name of a type of shoe; but I find nothing in the record to support the Examiner's apparent conclusion that the word 'British', used in connection therewith, has any such connotation. Manifestly the word is geographically descriptive, but that is no bar to its registration as a trade-mark under the act of 1920."

THE DAVIES-YOUNG SOAP COMPANY *v.* R. M. HOLLINGSHEAD CORPORATION, Opposition Nos. 17,922, 17,859, and 17,881.

In a decision rendered April 23, 1940 (163 Ms. Dec. 478, 45 U. S. P. Q. 286), *Assistant Commissioner Frazer* disposed of three opposition proceedings and in each case reversed the decision of the Examiner of Interferences and sustained the opposition of The Davies-Young Soap Company, of Dayton, Ohio, to the application of R. M. Hollingshead Corporation, of Camden, N. J., for registration of the word "Whiz", in association with a design, as a trade-mark for merchandise described in the applications as including, respectively, "preparations for cleaning radiators and motor cooling systems and drainpipes"; "cleaning and polishing materials in paste, liquid, wax, powder, and solid forms"; and "soaps in paste, liquid, powder or solid forms."

The Assistant Commissioner reviewed the facts as follows:

"In 1908 opposer's assignor registered the word 'Whiz' as a trade-mark for soap. In 1911 applicant's predecessor in interest applied for registration of the same mark for the same goods. An interference was declared between the application and the registration, as a result of which the applicant was awarded priority of adoption and use of the mark and was adjudged to be entitled to its registration. Thereafter a written agreement was entered into between the parties to that proceeding, whereby opposer's assignor, for a valuable consideration, was given the right to use the mark in issue 'as applied to a grit paste soap.' The agreement was expressly made 'binding' not only upon the parties hereto but upon their successors and assigns respectively.' Accordingly the opposer has continued to sell its grit paste soap under the trade-mark 'Whiz', applicant conceding the agreement to have remained in full force and effect from the date of its execution, namely, October 2, 1912. Parenthetically, it is significant to note that no attempt was made to procure the cancelation of the registration involved in the interference proceeding, which was renewed to opposer in 1928; whereas the registration issued to applicant's predecessor as a result of the judgment in the said proceeding was permitted to expire in 1932."

In dismissing the oppositions the Examiner of Interferences took the position that in order to prevail the opposer was required to establish ownership in itself of the trade-mark in issue, but the Assistant Commissioner said:

"That, however, is not the law. *Lever Brothers Co.* v. *Nobio Products, Inc.*, 26 C. C. P. A. 1253, 103 Fed.(2d) 917; *Central Iron & Steel Co.* v. *Republic Steel Corporation*, 26 C. C. P. A. 1091, 102 Fed.(2d) 899; *Virginia Dare Extract Co.* v. *Dare*, 21 C. C. P. A. 1086, 70 Fed.(2d) 118; *Touraine Co.* v. *F. B. Washburn & Co.*, 52 App. D. C. 356, 286 Fed. 1020.

* * * * * * *

"An opposed applicant for registration, on the other hand, must show himself 'entitled to claim ownership and, therefore, exclusive use of the mark.' *The Coshocton Glove Co.* v. *Buckeye Glove Co.*, 24 C. C. P. A. 1338, 90 Fed.(2d) 660. * * * *California Packing Corporation* v. *Sun-Maid Raisin Growers of California*, 20 C. C. P. A. 968, 64 Fed.(2d) 370."

He then said:

"By the agreement of October 2, 1912, applicant's predecessor divested itself of the exclusive right to use the mark here sought to be registered, and thus ceased to be the owner of the mark, in the sense that it was entitled to the registration thereof, as applied to any goods of the same descriptive properties as those with which opposer's assignor thereby acquired the right to use such mark. To hold otherwise would be to ignore the requirement of section 2 of the act, that, 'in order to create any right whatever in favor of the party filing it', an application for registration of a trade-mark must be accompanied by a sworn declaration 'that no other person, firm, corporation or association, to the best of the applicant's knowledge and belief, has the right to use such trade-mark in the United States, either in the identical form or in such near resemblance thereto as might be calculated to deceive.' Having expressly granted to opposer 'the right to use such trade-mark in the United States', it seems manifest that applicant could not truthfully make such a declaration.

"While the numerous articles of merchandise set forth in the applications here involved include many items differing in their descriptive properties from opposer's grit paste soap, clearly the items referred to above, and possibly some others, are of the same descriptive properties as opposer's said goods. It follows that applicant is not entitled to the registrations it seeks, and the oppositions must therefore be sustained."

BURGESS BATTERY COMPANY *v.* MCCRORY STORES CORPORATION, Trade-Mark Interference No. 3089.

In a decision rendered April 25, 1940 (163 Ms. Dec. 480, 45 U. S. P. Q. 359), in a trade-mark interference involving Burgess Battery Company, of Freeport, Ill., and McCrory Stores Corporation, of New York, N. Y., *Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Marks dissolving the interference as to application Serial No. 416,400, of Burgess Battery Company.

The Assistant Commissioner observed that substantially the same trade-mark as the one disclosed in the application here in question was registered to applicant some years ago under the provisions of the act of March 19, 1920, for electric batteries; that upon applicant's request that registration has been cancelled, and that the Examiner takes the position, however, that applicant is thereby estopped to assert the right to register the mark under the provisions of the act of February 20, 1905, citing as authority the case of *Ex parte Reo Motor Car Co.*, 146 Ms. D. 473, 341 O. G. 4, in which case an application filed under the act of 1905 had been rejected upon the ground that the trade-mark was descriptive, whereupon the applicant had procured registration under the act of 1920, and several years later an attempt was made to cancel that registration and renew the application for registration under the act of 1905. He then said:

"In seeking to distinguish the cited case counsel point out that there the applicant for registration had acquiesced in the Examiner's ruling that its mark was descriptive, and that the question had thus become res judicata; whereas the 1920 registration here in issue was originally applied for under the 1920 act and there has been no adjudication that the mark is nonregistrable under the act of 1905. I am unable to perceive any distinction in principle between the two cases. In applying for registration under the act of 1920, applicant asserted, in effect, that its mark was not registrable under the act of 1905; and I think it thereby estopped itself to be heard to the contrary in any subsequent proceeding involving the same mark for the same goods."

In answer to the argument that the registration was issued through inadvertence and was void because the mark was registrable only under the act of 1905, the Assistant Commissioner said:

"As registered the mark included the descriptive notation 'Burgess Battery', and while it also comprised arbitrary matter, it would thus appear to have been registrable under either act, the choice depending upon the question of disclaimer. *Ex parte Victor M. Calderon Co.*, 491 O. G. 713, 37 U. S. P. Q. 461."

He then said:

"While I agree with the Examiner that applicant has lost its right to register its mark under the act of 1905 for the goods covered by the 1920 registration I am nevertheless of the opinion that he erred in dissolving the interference. As already noted the goods described in that registration were electric batteries. In the application here involved the goods are described as 'dry batteries and flashlight cases.' As applied to flashlight cases I can see no reason why the application should not remain in the interference. Accepting a 1920 registration for batteries did not preclude applicant's seeking a 1905 registration for other articles of merchandise. *Ex parte Duplex Printing Press Co.*, 156 Ms. D. 847, 12 U. S. P. Q. 424."

EX PARTE ARNOLD, SCHWINN & COMPANY, Serial No. 396,062.

In a decision rendered April 29, 1940 (163 Ms. Dec. 483, 45 U. S. P. Q. 361), *Assistant Commissioner Frazer* held that Arnold, Schwinn & Company, of Chicago, Ill., is not entitled to register a mark comprising the dominant feature "Hollywood" written transversely in a scroll across an elliptical outline with a small sprig of holly depicted above the scroll.

Noting that the Examiner refused registration on the ground that the geographical word "Hollywood", though disclaimed, dominates the mark, and cited as authority the Assistant Commissioner's decision in *Ex parte Kem Card Sales Corporation*, 497 O. G. 785, 39 U. S. P. Q. 354, he said:

"In that case, as here, the word feature of the mark was a geographical term, and the accompanying design

was relatively insignificant. I held that to permit registration, with a disclaimer of the word, 'would be a mere evasion of the statutory bar to registration.' I think that is equally true of the present applicant's mark, and that registration under the provisions of the act of February 20, 1905, was properly refused on that ground."

Pointing out that applicant's brief on appeal is devoted largely to the argument that "Hollywood" has other meanings than that of geographical location, and therefore is not "merely a geographical name or term" within the meaning of the statute, he added:

"The fact remains, however, that applicant disclaimed the word, as being geographical, in response to the first office action, and still seeks registration on that basis. Moreover, it is clear beyond question that any other meaning the term might have is negligible in comparison with its generally accepted geographical significance."

R. H. MACY & CO., INC., *v.* THE MAJESTIC KNITWEAR COMPANY, Opposition No. 18,153.

In a decision rendered April 30, 1940 (163 Ms. Dec. 484, 45 U. S. P. Q. 363), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of R. H. Macy & Co., Inc., of New York, N. Y., to the application of The Majestic Knitwear Company, of Cleveland, Ohio, for registration of the notation "Match-Trix" in association with the representation of two crossed matches as a trade-mark for "women's and girls' outer skirts, sweaters, and dresses"; but held that applicant must file an appropriate disclaimer of the word "Match" before its mark will be registered.

In his decision the Assistant Commissioner said:

"Prior to applicant's adoption of the mark sought to be registered opposer had used the marks 'Matchmates' and 'Match-Makers' in connection with similar merchandise, both of which are alleged to be so nearly simulated by applicant's mark that confusion is likely to result.

"It clearly appears from the record that the word 'Match' is descriptive of the goods of both parties. This is conceded by counsel for applicant, and they have agreed that it should be disclaimed in applicant's mark as a condition precedent to registration.

"I agree with opposer's counsel that the descriptiveness of this word is of little consequence in determining the question of confusing similarity between the marks; but it seems to me that applicant's mark differs sufficiently from each of the marks relied upon by opposer, in appearance, in sound, and in meaning, as to insure against any reasonable likelihood that their concurrent use will confuse the public or deceive purchasers.

"The decision of the Examiner of Interferences dismissing the opposition is affirmed, but applicant is required to file an appropriate disclaimer of the word 'Match' before its mark will be registered."

EX PARTE NICHOLAS DELANO, Serial No. 415,285.

In a decision rendered April 30, 1940 (163 Ms. Dec. 486, 45 U. S. P. Q. 361), *Assistant Commissioner Frazer* affirmed a decision of the Examiner of Trade-Marks refusing to register an alleged trade-mark stated in the application to have been adopted and used "as the title for a chart or print on handwriting, which will be published from time to time."

Noting that the Examiner refused registration of the mark, which is admittedly the title of the publication, for the reason that such publication appears to be of an individual character and not a periodical publication which alone can support trade-mark use in a title, and in support of his position cited *In re The Page Co.*, 47 App. D. C. 195, 247 O. G. 246, where the Court of Appeals of the District of Columbia refused to register the word "Pollyanna" as a trade-mark for a series of books, because it was the title of the first book of the series, the Assistant Commissioner quoted from the court's decision in that case as follows:

"It will be observed that 'Pollyanna' is the name of a book, not an arbitrary mark to designate a series of publications, each bearing its individual title. In this respect the word is clearly descriptive. It is the name of a particular book, and the public has no way of describing the book but by the use of the name. Undoubtedly, a trade-mark may be registered for a series of literary publications, but it must be arbitrary, and not merely the name of any one or more of the series."

He then said:

"Applying that doctrine to the facts of the instant case, I am clearly of the opinion that applicant's mark should not be registered. Accepting applicant's statement that the chart submitted with his application is the first of a proposed series of similar charts, the fact remains that the mark sought to be registered is the sole title of the first chart of the series, and that it must of necessity be so employed by purchasers in designating that particular item."

Because applicant insisted that the doctrine announced in the Page case "has been repudiated" by the Court of Customs and Patent Appeals in *Whitman Publishing Co.* v. *McLoughlin Bros., Inc.*, 25 C. C. P. A. 1298, 97 Fed.(2d) 608, the Assistant Commissioner said:

"The two cases, however, are readily distinguishable. In fact the Page case was cited with apparent approval in the Whitman case, where it was repeatedly pointed out in the opinion that the mark there under consideration was arbitrarily applied to each of a set of books, bearing their own individual titles, none of which titles was 'even remotely simulated by the trade-mark.'"

U. S. GOVERNMENT PRINTING OFFICE: 1940

TRADE-MARKS

OFFICIAL GAZETTE, MAY 28, 1940

[VOL. 514. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

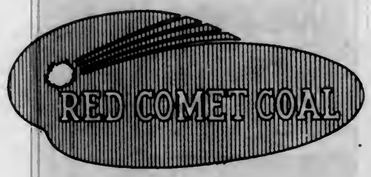
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 428,554. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Feb. 14, 1940.



The word "Coal" is disclaimed apart from the mark. The drawing is lined for red.

For Coal.

Claims use since Sept. 5, 1939.

Ser. No. 429,398. THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Mar. 9, 1940.

VENALOY

For Thermoplastic Synthetic Resins Comprising Polymers and Co-Polymers Derived from Vinylidene Chloride.

Claims use since May 13, 1938.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 429,905. GEORGE LANDBERG, New York, N. Y. Filed Mar. 23, 1940.

CENTRO-ZIP

For Lady's Handbags and Cosmetic Bags.

Claims use since Jan. 10, 1940.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 426,451. GEORGE U. HAMMOND CO., INC., New York, N. Y. Filed Dec. 11, 1939.



The drawing is lined for red. The word "Dri-Shu" is disclaimed.

For Water Proofing and Preserving Paste.

Claims use since December, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 390,585. CHARLES HENRY CLARK, doing business as Clarco System Company, Los Angeles, Calif. Filed Mar. 27, 1937.

CLARCO CLARCO SYSTEM CO.

No claim is made to the words "Certified" and "Sanitation" without the association of such words with the remaining features of the mark.

For Dyes.

Claims use since Mar. 5, 1936.

Ser. No. 417,733. CHARLES WHITEHEAD, doing business as Whitehead Laboratory, Sewaren, N. J. Filed Mar. 30, 1939.

MOSQUI-BAR

For Mosquito Repellent Which Is a Liquid for Applying to the Exposed Parts of the Body, the Odor of Which Repels Mosquitoes.
Claims use since June 1, 1932.

Ser. No. 424,536. BORUN BROS., Los Angeles, Calif. Filed Oct. 14, 1939.

Regent House

For Almond Lotion, Astringent, Bandoline, Brilliantine, Cream (Conditioning), Cleansing Cream, Cold Cream (theatrical), Cologne, Cuticle Oil, Cuticle Remover, Deodorant, Dermatograph Pencils, Dusting Powder, Emollient Cream, Eye Shadow, Face Powder, Foundation Cream, Hand Cream, Lanolin Hand Lotion, Lipstick, Mascara, Toning Oil, Nail Polish, Nail Polish Remover, Nail White, Powder Base, Rouge, Shampoo, Skin Freshener, Suntan Oil, Night Cream, Youth Cream, Dry Skin Cream, Toilet Water, Bath Salts.
Claims use since Aug. 21, 1939.

Ser. No. 426,738. ROUX DISTRIBUTING CO., New York, N. Y. Filed Dec. 19, 1939.

ROUX

No claim is made to the word "Roux."
For Hair Colorings, Shampoo Tint, Hair Dye, Oil Bleach, Rinse for the Hair, Lash and Brow Tint, Drab Toner for the Hair, Dye Solvent, Hydrogen Peroxide for the Hair, Hair Crayon and Bluing for the Hair.
Claims use since June 15, 1939.

Ser. No. 426,977. GLAMOUR COSMETICS, Chicago, Ill. Filed Dec. 29, 1939.

JOYA

For Skin Balm.
Claims use since July, 1938.

Ser. No. 427,371. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Jan. 12, 1940.

Declene

For Cleaning or Flushing Fluid for Hydraulic Brakes, Shock Absorbers, Radiators, Fluid Power Transmitting Systems, Fluid Circulating Systems, and the Like.
Claims use since Sept. 15, 1938.

Ser. No. 428,488. SOLOMON A. KUBIE, Huntington, N. Y. Filed Feb. 12, 1940.

HERBOSE

For Herb Laxatives.
Claims use since Jan. 1, 1927.

Ser. No. 428,961. LA MAISON PRODUCTS, INC., New York, N. Y. Filed Feb. 27, 1940.

RUBALUBE

For Lubricants Containing No Oils, Greases, or Graphite for Eliminating Stabilizer Noises.
Claims use since Oct. 9, 1939.

Ser. No. 429,141. THE TECOR COMPANY, Chicago, Ill. Filed Mar. 2, 1940.



No claim is made to the word "Liquated" apart from the mark. The drawing is lined for purple and pink.
For Pads Impregnated with a Cleansing Preparation.
Claims use since Feb. 21, 1940.

Ser. No. 429,554. ISABELLE ALLORE, doing business as Belle Specialty Co., Lake Geneva, Wis. Filed Mar. 14, 1940.



No claim is made to the term "Ants" apart from the mark.
For Preparation for the Extermination of Ants.
Claims use since May, 1934.

Ser. No. 429,578. STERLING PRODUCTS (INCORPORATED), Wheeling, W. Va. Filed Mar. 14, 1940.

DEKA

For Preparation for the Treatment of Acid Indigestion, Heartburn, Sour Stomach and Similar Conditions Caused by Excess Acidity of the Stomach.
Claims use since Feb. 2, 1940.

Ser. No. 429,673. UNITED DRUG COMPANY, Boston, Mass. Filed Mar. 16, 1940.

Multamins

For High Potency Vitamin A B D G Capsule.
Claims use since Sept. 14, 1939.

Ser. No. 429,674. UNITED DRUG COMPANY, Boston, Mass. Filed Mar. 16, 1940.

Plenamins

For Vitamin A B C D E G Capsule with Liver and Iron.
Claims use since Sept. 20, 1939.

Ser. No. 429,696. HYMAN FREEDMAN, doing business as The Thymolac Co., Buffalo, N. Y. Filed Mar. 18, 1940.

Thymolac

For Antiseptic Preparations for Use in Treating Various Forms of Ring Worm, Including Athlete's Foot, and Other Skin Infections.
Claims use since January, 1931.

Ser. No. 429,727. W. H. BARBER COMPANY, Minneapolis, Minn. Filed Mar. 19, 1940.

BLASTUM

For Household Insect Spray.
Claims use since Mar. 1, 1940.

Ser. No. 429,753. THE VAL-O-CAIN CORPORATION, New York, N. Y. Filed Mar. 19, 1940.

VAL-O-CAIN

For Local Anesthetics.
Claims use since April, 1936.

Ser. No. 429,830. G. HAROLD SELLECK, doing business as The Oxygen Medicine Co., Long Island City, N. Y. Filed Mar. 21, 1940.

OMCO

For Medicine Taken Internally for the Relief of Diabetes.
Claims use since Mar. 19, 1940.

Ser. No. 429,948. MORTEN LABORATORIES, INC., Dallas, Tex. Filed Mar. 25, 1940.

BELLAPADRIN WITH ASPIRIN

No claim is made to the notation "With Aspirin" apart from the mark.
For Medicinal Preparation Sold in Capsule Form to Aid in Relieving Nasal Blockage, Sneezing, and Headaches.
Claims use since Feb. 24, 1940.

Ser. No. 430,117. AMY MANUFACTURING CO., INC., Opelousas, La. Filed Mar. 29, 1940.



No claim is made to the notation "Vetiver Compound" apart from the mark.
For Hygienic Preparation for Use in the Treatment of Falling Hair and Dandruff.
Claims use since Sept. 1, 1939.

Ser. No. 430,140. EDWARD T. MAZILAUSKAS, doing business as Clayton & Edward, New York, N. Y. Filed Mar. 29, 1940.

"VITA-AIDS"

Applicant disclaims the word "Aids" apart from the mark.
For Vitamin Capsules.
Claims use since Mar. 6, 1940.

Ser. No. 430,594. FORMALDA COMPANY, Minneapolis, Minn. Filed April 10, 1940.

FORMALDA-MIST

The word "Mist" is disclaimed apart from the mark.
For Liquid Deodorant.
Claims use since Apr. 10, 1934.

Ser. No. 430,706. ABBOTT LABORATORIES, North Chicago, Ill. Filed Apr. 13, 1940.

Hi-AD

For Vitamin Preparation.
Claims use since Apr. 3, 1936.

Ser. No. 430,724. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 13, 1940.

CELANESE

For Cosmetic Creams, Lip Sticks, Nail Polish, Rouge, Cosmetic Powders, Eye-Brow Pencils, Eye Mascara, Eye Shadow, Cosmetic Lotions, Perfume, Toilet Water, and Nail Polish Remover.
Claims use since Apr. 12, 1940.

Ser. No. 430,795. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Apr. 15, 1940.

CITRALKA

For Product in Either Liquid or Solid Form for Maintaining the Physiologic Alkalinity of the Blood and Urine.
Claims use since Dec. 3, 1929.

Ser. No. 430,881. SCHERING CORPORATION, Bloomfield, N. J. Filed Apr. 17, 1940.

TEVIROL

For Medicinal Preparation Recommended for the Treatment of Disorders of the Male Sex Glands.
Claims use since Apr. 9, 1940.

Ser. No. 430,965. NORTHAM WARREN CORPORATION, New York, N. Y. Filed Apr. 19, 1940.

RUMPUS

For Nail Polish.
Claims use since Apr. 16, 1940.

Ser. No. 430,985. MARIE EARLE, INC., New York, N. Y. Filed Apr. 16, 1940.

SOUFFLÉ

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.
Claims use since Mar. 15, 1940.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 430,255. UNITED BUYERS CORPORATION, doing business as Foodcraft Products, Chicago, Ill. Filed Apr. 1, 1940.

Foodcraft

For Matches.
Claims use since Sept. 1, 1935.

CLASS 10

Fertilizers

Ser. No. 429,442. THE HOLLAND GARDNER, INC., Detroit, Mich. Filed Mar. 11, 1940.



Applicant disclaims the words "Plant Food" apart from the mark.
For Plant Foods.
Claims use since Feb. 14, 1940.

CLASS 12

Construction Materials

Ser. No. 426,252. AUGUSTO C. GONZALEZ, Manila, P. I. Filed Dec. 5, 1939.



The word "Marble" is disclaimed apart from the mark.
For Cut or Dressed Marble for Construction Purposes.
Claims use since June 30, 1939.

Ser. No. 429,671. STILLITE PRODUCTS LIMITED, London, England. Filed Mar. 16, 1940.

STILLITE

For Insulating Materials Composed of Bonded Mineral Wool.
Claims use since June 28, 1938.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 426,161. GENERAL CERAMICS COMPANY, New York, N. Y. Filed Dec. 2, 1939.

PERMA-GLOSS

The word "Gloss" is disclaimed apart from the mark.

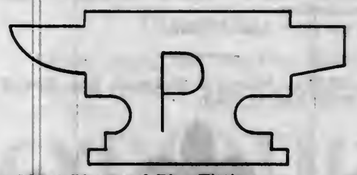
For Lavatories, Urinal Stalls, Kitchen Sinks, Laundry Trays, Bath Tubs, Shower Receptors, Foot Baths, Sitz Baths, General Service Sinks, Surgeons' Wash-Up Sinks, Surgeons' Instrument Sinks, Plaster Sinks, Special Hospital Baths, Prenatal Baths, and Infants' Baths.
Claims use since May 5, 1939.

Ser. No. 429,708. LEE SPRING COMPANY, INC., New York, N. Y. Filed Mar. 18, 1940.

SCIENTECH

For Springs for General Use.
Claims use since Mar. 1, 1940.

Ser. No. 429,952. PITTSBURGH PIPE AND COUPLING COMPANY, Allison Park, Pa. Filed Mar. 25, 1940.



For Metal Pipes and Pipe Fittings.
Claims use since Mar. 18, 1940.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 422,556. A. O. SMITH CORPORATION, Milwaukee, Wis. Filed Aug. 12, 1939.



For Welding Electrodes.
Claims use since July 24, 1939.

Ser. No. 422,557. A. O. SMITH CORPORATION, Milwaukee, Wis. Filed Aug. 12, 1939.

SMITHway

For Welding Electrodes.
Claims use since July 24, 1939.

Ser. No. 428,917. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Feb. 26, 1940.



For Hot Rolled Rods, Shapes, Wire Rods and Coils, Cold Rolled Strip, Cold Drawn Rods and Shapes, Cold Drawn Wire, Castings, Sheet, and Strip Made of Nickel and of Nickel Alloys, Particularly Nickel-Copper Alloys.
Claims use since June 15, 1937.

CLASS 15

Oils and Greases

Ser. No. 421,615. THE PENNZOIL COMPANY, Los Angeles, Calif. Filed July 15, 1939.

NuZip

For Solvent Oil Compound for Use Generally in Flushing, Purging, and Cleaning Internal Combustion Engines, and for Removal of Sludge from Such Engines.
Claims use since June 1, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 423,804. FERRELL PAINT COMPANY, San Diego, Calif. Filed Sept. 21, 1939.



Applicant disclaims the words "Point Loma", "Brand" and "Made in the West" apart from the mark.
For House Paint, Flat Wall Paint, Porch and Floor Enamel, Interior Gloss Enamel, Eggshell Gloss Enamel, Semi-Gloss Enamel, Calsomine Coater, Quick-Drying Enamel, Pure Oil Colors, One-Coat Enamel, Enamel Undercoat, Primer and Sealer, Stipple Paint, Floor Varnish, Spar Varnish, Trim Varnish, Paste Paint, Aluminum Paint, Screen Paint, Truck Enamel and Wagon Enamel.
Claims use since Aug. 12, 1939.

Ser. No. 426,007. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 27, 1939.

MASTER-MIXED

Applicant disclaims the word "Mixed" apart from the mark.
For Floor and Porch Enamel, 4-Hour Enamel, Barn Paint, Shingle Paint, High Gloss Finish Paint, 1-Coat

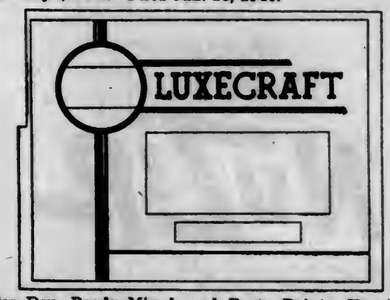
Flat Paint, Semi-Gloss Finish Paint, Color Varnish, Floor and Trim Varnish, Semi-Gloss Varnish, Spar Varnish, Linoleum Varnish and Polishing Compositions for Floors, Furniture and Automobiles—Namely, Oil Polish, Creme Polish, Liquid Wax, Self-Polishing Wax and Paste Wax; Cement and Concrete Primer.
Claims use since July 12, 1939.

Ser. No. 427,392. SCIENTIFIC OIL COMPOUNDING COMPANY, INC., Chicago, Ill. Filed Jan. 12, 1940.

Q. B. OITICICA

The word "Oiticica" is disclaimed apart from the mark.
For Drying Oil for Paints and Varnishes.
Claims use since Oct. 16, 1939.

Ser. No. 427,596. PURITY PAINT PRODUCTS CORPORATION, Brooklyn, N. Y. Filed Jan. 18, 1940.



For Dry, Ready Mixed, and Paste Paints, Varnishes, Paint Enamels, Stains, Colors in Oil, Transparent Waterproofings in the Nature of Paint Coatings, Casein and Water Paints, Prepared Shellac Compounds, and Prepared Shellac Substitutes.
Claims use since Dec. 11, 1939.

Ser. No. 427,786. ART-TEX ADHESIVE PRODUCTS INC., New York, N. Y. Filed Jan. 24, 1940.

OVAKAL

For Ready Mixed Paint.
Claims use since September, 1939.

Ser. No. 428,640. CARPENTER-MORTON COMPANY, Boston, Mass. Filed Feb. 17, 1940.

CARMOTE

It's the finish that counts

The words "It's the finish that counts" are disclaimed apart from the mark.
For Paste and Ready-Mixed Paints, Paint Primers, Paint Enamels, Varnishes, Paint and Varnish Remover, Furniture Polish, Wall Sealer, Oil Stains, Colors in Oil, Floor Dressing, Paint Mixing Oil, Flatting Oil, Wood and Paint Fillers, Paint Driers, Japans, Bronzing Liquids, Undercoats, Reinforcing Paint Pigments, Paint Coatings for Roofs, Graphite Paints, Glazing Compounds in the Nature of a Paint Coating for Glass, Paints for Preventing Rust, Lacquers, Lacquer Thinners, Floor Waxes, Graining Surface, Painters' Crack Fillers, Paint Brush Cleaners, Blackboard Slating in the Nature of Paint and Automobile Top Dressing.
Claims use since Dec. 8, 1933.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 404,480. H. MAIHAK AKTIENGESELLSCHAFT, Hamburg, Germany. Filed Mar. 25, 1938.



No claim is made to the name "Maihak" apart from the mark.
For Electrical Systems for Operating or Actuating Gas Pumps and Apparatus for Combustion Control and Blind Transmitters.
Claims use since Aug. 8, 1937.

Ser. No. 427,651. MORELITE COMPANY, INC., New York, N. Y. Filed Jan. 17, 1940.



For Reflector Arc Lamps and Parts Thereof.
Claims use since February, 1936.

Ser. No. 430,130. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Mar. 29, 1940.

Valv-amp

For Dynamo Electric Machines—Namely, Electric Motors.
Claims use since February, 1940.

Ser. No. 430,238. JOSEPH S. LOSEE, doing business as Losee Products Company, Hebron, Ill. Filed Apr. 1, 1940.

Mystic-Maid

For Electric Water Heaters.
Claims use since Nov. 22, 1939.

Ser. No. 430,313. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 3, 1940.

FIL-O-MATIC

For Storage Batteries and Covers Therefor.
Claims use since Mar. 4, 1940.

Ser. No. 430,326. NATIONAL ENAMELING AND STAMPING COMPANY, Milwaukee, Wis. Filed Apr. 3, 1940.

COOKMASTER

For Automatic Electric Roaster.
Claims use since Mar. 6, 1940.

Ser. No. 430,338. SQUARE D COMPANY, Detroit, Mich. Filed Apr. 3, 1940.

PUMPTROL

For Pressure Operated Electric Switches.
Claims use since Mar. 28, 1940.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 428,679. FRANK C. BURTON, Chicago, Ill. Filed Feb. 19, 1940.

GYROTILT

For Revolving Teeter-Tawter for Children.
Claims use since Jan. 23, 1939.

Ser. No. 429,668. W. ERLE ROGERS, Geneva, N. Y. Filed Mar. 16, 1940.

Sea-Raider

TRADE MARK

No claim is made to the words "Trade Mark."
For Game To Be Played on a Game Board with Small Ships That Are Moved About the Board.
Claims use since Mar. 6, 1940.

Ser. No. 429,763. JAMES A. BRYANT, Memphis, Tenn. Filed Mar. 20, 1940.

Play Market

For Game with Movable Pieces.
Claims use since Mar. 18, 1940.

Ser. No. 430,181. JULIA C. GRAY, Washington, D. C. Filed Mar. 30, 1940.

Virginia Dare

For Doll.
Claims use since Mar. 30, 1940.

Ser. No. 430,256. VERNON S. VINCELLETTE, Fitchburg, Mass. Filed Apr. 1, 1940.

TYE-BOB

For Needles Used for Fly-making.
Claims use since Feb. 7, 1940.

Ser. No. 430,279. HERO MFG. CO., INC., Middleboro, Mass. Filed Apr. 2, 1940.



The representation of the goods and the word "Top" are disclaimed apart from the mark.
For Top.
Claims use since Mar. 6, 1940.

Ser. No. 430,544. CORTLAND LINE COMPANY, INC., Cortland, N. Y. Filed Apr. 9, 1940.



For Fishing Lines.
Claims use since July 24, 1936.

Ser. No. 430,561. J. PRESSMAN & CO. INC., New York, N. Y. Filed Apr. 9, 1940.

LaSalle

For Ping Pong Paddles, Ping Pong Balls, and Ping Pong Nets.
Claims use since Mar. 20, 1940.

Ser. No. 430,797. PREMIUM MATCH CORPORATION, Chicago, Ill. Filed Apr. 15, 1940.

GOLDEN CIRCLE

For Puzzle Games.
Claims use since Mar. 30, 1940.

Ser. No. 430,876. J. PRESSMAN & Co. INC., New York, N. Y. Filed Apr. 17, 1940.

FOTO-FINISH

For Horse-Racing Game.
Claims use since Apr. 9, 1940.

Ser. No. 431,089. KENNETH SMITH, Lenexa, Kans. Filed Apr. 22, 1940.

Signet

For Golf Clubs.
Claims use since Apr. 15, 1940.

CLASS 23

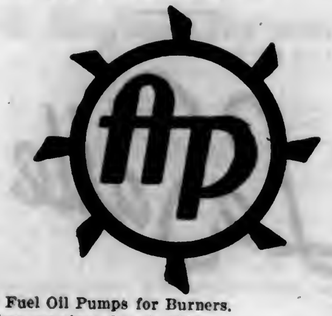
Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 427,092. STEPHENS-ADAMSON MFG. CO., Aurora, Ill. Filed Jan. 2, 1940.

SEALMASTER

For Anti-Friction Bearings and Bearing Seals.
Claims use since Jan. 4, 1938.

Ser. No. 429,160. AUTOMATIC PRODUCTS COMPANY, Milwaukee, Wis. Filed Mar. 4, 1940.



For Fuel Oil Pumps for Burners.
Claims use since Oct. 6, 1931.

Ser. No. 430,271. CLUB RAZOR & BLADE MANUFACTURING CORPORATION, Newark, N. J. Filed Apr. 2, 1940.



For Razor Blades.
Claims use since Sept. 1, 1936.

Ser. No. 430,272. CONSOLIDATED RAZOR BLADE CO. INC., Jersey City, N. J. Filed Apr. 2, 1940.

WEEKLY

For Razor Blades.
Claims use since Feb. 26, 1939.

Ser. No. 430,308. CAMPBELL DAIRY MACHINERY COMPANY, Hampshire, Ill. Filed Apr. 3, 1940.



For Case and Can Conveyors, Milk Can Washers, Sterilizers and Driers, and Parts Thereof.
Claims use since Jan. 12, 1940.

CLASS 25

Locks and Safes

Ser. No. 429,487. ROLAND E. OTT, Portland, Oreg. Filed Mar. 12, 1940.

DOOR-MAN

For Door Locks.
Claims use since Jan. 26, 1940.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 404,572. H. MAIHAK AKTIENGESELLSCHAFT, Hamburg, Germany. Filed Mar. 28, 1938.

MAIHAK

No claim is made to the name "Maihak" apart from the mark.

For Indicators for Recording the Development of the Pressure in Cylinders of Power Engines, Steam Engines, Explosive Motors, Diesel Engines and Compressors; Acoustic Type Tension, Stress and Tensile Strength Indicators, Chronographs for Measuring and Scientific Appliances; Automatic Flue Gas Analyzers for Furnaces; Laboratory Flue Gas Analyzers; Laboratory Generator, Illuminating and Fuel Gas Analyzers; Chemical, Scientific and Laboratory Glass; Thermometers; Thermographs; Pyrometers; Revolution Indicators; Piston Play Indicators; Combinations of Electrically Actuated Gas Pumps With Flue Gas Analyzers and Meter Clocks and Controls Therefor; Electrically Actuated Chemical Gas Testers; Electrically Driven Gas Analyzers; Electrically Driven Distance Indicators; and Electrically Driven Distance Recorders for Remote Control.
Claims use since Aug. 8, 1937.

Ser. No. 426,405. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Dec. 9, 1939.

Topas

For Light Filters.
Claims use since Feb. 13, 1939.

Ser. No. 430,072. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Mar. 28, 1940.

KODAGUIDE

For Guides Providing Information or Instructions for Performing a Photographic Process, Cards Carrying Empirical Data Concerning a Photographic Process, Exposure Guides for Photo Sensitive Material, or Effective Lens Aperture Guides.
Claims use since Feb. 20, 1940.

Ser. No. 430,125. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Mar. 29, 1940.

BIMAT

For Photographic Lenses.
Claims use since Apr. 15, 1937.

CLASS 27

Horological Instruments

Ser. No. 404,571. H. MAIHAK AKTIENGESELLSCHAFT, Hamburg, Germany. Filed Mar. 28, 1938.

MAIHAK

No claim is made to the name "Maihak" apart from the mark.

For Eight Day Clocks for Registers, Meter Clocks, and Chronometers.
Claims use since Aug. 8, 1937.

Ser. No. 429,924. WALKER WATCH CORP., New York, N. Y. Filed Mar. 23, 1940.



No claim is made to the word "Watches" apart from the mark.

For Watches and Watch Cases.
Claims use since July 30, 1936.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 429,904. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Mar. 23, 1940.

DESIRE

For Silver-Plated Flat-Ware for Table Use and the Like.
Claims use since Mar. 12, 1940.

CLASS 31

Filters and Refrigerators

Ser. No. 429,770. FLORIDA FROSTEE MACHINE CO., Miami, Fla. Filed Mar. 20, 1940.

"FROSTEE"

For Counter-Refrigerator Mixers.
Claims use since 1938.

CLASS 32

Furniture and Upholstery

Ser. No. 428,498. NACHMAN SPRING-FILLED CORPORATION, Chicago, Ill. Filed Feb. 12, 1940.

Resilafoam

For Mattresses and Upholstery Units.
Claims use since Dec. 29, 1939.

Ser. No. 428,871. JOHN P. TEMBREULL, doing business as Folding Crib Mfg. Co., Portland, Oreg. Filed Feb. 24, 1940.

Snug-ul-Bug

For Folding Cribs.
Claims use since Feb. 10, 1939.

Ser. No. 429,276. ROSE-DERRY COMPANY, Newton, Mass. Filed Mar. 6, 1940.

DuBarry

For Beds, Box Springs, and Mattresses.
Claims use since Feb. 28, 1940.

Ser. No. 431,062. THE LAMSON & SESSIONS COMPANY, Cleveland, Ohio. Filed Apr. 22, 1940.

SPEED MERCHANT

For Merchandising Cabinets.
Claims use since Feb. 10, 1940.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 427,062. AMERICAN GAS MACHINE COMPANY, INC., Albert Lea, Minn. Filed Jan. 2, 1940.

SUN FLAME

For Gasoline Cooking Stoves, Gasoline Lanterns, Mantles for Gasoline Lanterns, and Gas and Gasoline Cooking Ranges.
Claims use since Apr. 24, 1939.

Ser. No. 428,512. YOUNG RADIATOR COMPANY, Racine, Wis. Filed Feb. 12, 1940.

VERTIFLOW

For Blower and Radiator Heating Units.
Claims use since Jan. 3, 1940.

Ser. No. 429,000. RAMBUSCH DECORATING COMPANY, New York, N. Y. Filed Feb. 28, 1940.

SHOVEL

For Reflectors for Light Projectors.
Claims use since Dec. 13, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 430,136. HAYES R. KUHNS, Killbuck, Ohio. Filed Mar. 29, 1940.

FLEXO-PAC

The word "Pac" is disclaimed apart from the mark.
For Rubber Packing for Pipe Joints.
Claims use since Feb. 21, 1940.

Ser. No. 430,938. ARNOLD, SCHWINN & CO., Chicago, Ill. Filed Apr. 19, 1940.

CYCLONE

For Vehicle Tires, More Particularly Bicycle Tires.
Claims use since Feb. 1, 1940.

Ser. No. 430,980. S. G. TILDEN INCORPORATED, Brooklyn, N. Y. Filed Apr. 19, 1940.

NEO-DYNE

For Brake Lining Segments.
Claims use since Apr. 11, 1940.

CLASS 37

Paper and Stationery

Ser. No. 409,654. THE REYBURN MANUFACTURING COMPANY, INCORPORATED, Philadelphia, Pa. Filed Aug. 16, 1938.

REY-LOK

Applicant disclaims the expression "Lok" apart from the mark.
For Paper Fasteners.
Claims use since June 29, 1938.

Ser. No. 429,152. ZEPHYR AMERICAN CORPORATION, New York, N. Y. Filed Mar. 2, 1940.

ZEPHYR AUTODEX

For Automatic Touch-Control Telephone Number Finder for Desks.
Claims use since May, 1937.

Ser. No. 429,474. EASTERN CORPORATION, Brewer, Maine. Filed Mar. 12, 1940.

MANIFEST

For Bond Paper, Ledger Paper, Writing Paper, "Mimeograph" Paper, and Manifold Paper.
Claims use since Mar. 27, 1919.

Ser. No. 429,643. MARIUS V. CANOVA, doing business as Canova Rent Book Co., Holyoke, Mass. Filed Mar. 16, 1940.

THE "BON"

RENT RECEIPT BOOK
FOR
LANDLORD AND TENANT

PROVIDES PERFECT PERMANENT PROTECTION

Applicant disclaims the words "Rent Receipt Book for Landlord and Tenant" and "Provides Perfect Permanent Protection" apart from the mark.
For Record Books, Particularly the Type Known as Rent Receipts Books.
Claims use since Mar. 7, 1940.

CLASS 38

Prints and Publications

Ser. No. 426,475. CURT TEICH & COMPANY, INC., Chicago, Ill. Filed Dec. 13, 1939.

GENUINE CURTEICH-CHICAGO "C.T. NATURAL PHOTOCHROM" P.C.

All notations except "Curteich" and "C. T." are disclaimed apart from the mark.
For Post-Cards and Pictorial Illustrations.
Claims use since Dec. 1, 1939.

Ser. No. 426,486. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 12, 1939.

ABOUT THE HOUSE

For Magazine Column.
Claims use since Dec. 11, 1926.

Ser. No. 426,488. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 12, 1939.

MARKETS AND MENUS

For Magazine Column.
Claims use since Apr. 21, 1934.

Ser. No. 427,408. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Jan. 12, 1940.

WHERE ARE THEY NOW?

For Magazine Column.
Claims use since Apr. 18, 1936.

Ser. No. 427,410. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Jan. 12, 1940.

INCIDENTAL INTELLIGENCE:

For Magazine Column.
Claims use since Apr. 28, 1937.

Ser. No. 429,411. MACFADDEN PUBLICATIONS, INC., New York, N. Y. Filed Mar. 9, 1940.

Penny Wise fashions

For Special Articles Dealing With Fashions, Fashion Accessories, Styles, and Modes of Dress Published From Time to Time in Periodicals Published by Applicant.
Claims use since Feb. 2, 1940.

Ser. No. 429,812. FLYING STORIES, INC., New York, N. Y. Filed Mar. 21, 1940.

Football ACTION

For Periodical.
Claims use since Sept. 1, 1939.

Ser. No. 430,105. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Mar. 28, 1940.

Scoops of the Month

For Articles to be Published Monthly Descriptive of the Month to Month Developments in Women's Fashions.
Claims use since Nov. 30, 1936.

Ser. No. 430,510. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Apr. 8, 1940.

The Beauty Box

For Newspaper Column.
Claims use since Mar. 10, 1931.

CLASS 39

Clothing

Ser. No. 416,653. MOULTON, BARTLEY, INC., St. Louis, Mo. Filed Mar. 3, 1939.

For Shoes, Principally of Leather.
Claims use since Jan. 1, 1939.

Ser. No. 429,451. MASSACHUSETTS KNITTING MILLS, Boston, Jamaica Plain, Mass. Filed Mar. 11, 1940.

Vitala Finish

The word "Finish" is disclaimed apart from the mark.
For Women's and Girls' Hosiery.
Claims use since Nov. 21, 1938.

Ser. No. 429,552. NATIONAL PAJAMA CO., New York, N. Y. Filed Mar. 13, 1940.

Nite-Tyme

No claim is made to the term "Nite-Tyme" apart from the mark.
For Men's, Women's, and Children's Pajamas.
Claims use since Feb. 1, 1940.

Ser. No. 429,570. C. F. HATHAWAY CO., Waterville, Maine. Filed Mar. 14, 1940.

THE MAN-LINE COLLAR

No claim is made to the word "Collar" apart from the mark.
For Outer Shirts.
Claims use since Oct. 1, 1939.

Ser. No. 429,646. DE NORONHA RUBBER PRODUCTS CORPORATION, Woodstown, N. J. Filed Mar. 16, 1940.

"RAIN-CHEX"

For Rubbers for Men, Women, and Children.
Claims use since Feb. 21, 1940.

Ser. No. 429,658. IRA G. KATZ, New York, N. Y. Filed Mar. 16, 1940.

CONFUCIUS

HAT

The word "Hat" is disclaimed apart from the mark.
For Children's Hats.
Claims use since Jan. 15, 1940.

Ser. No. 429,815. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Mar. 21, 1940.

AIRLITE

For Baby Pants.
Claims use since Mar. 15, 1940.

Ser. No. 429,906. LEOPOLD MORSE COMPANY, Boston, Mass. Filed Mar. 23, 1940.

NORTH SHORE

For Men's Suits.
Claims use since Mar. 1, 1936.

Ser. No. 429,907. LIDO SPORTSWEAR, INC., New York, N. Y. Filed Mar. 23, 1940.

GOLF CLASSIC

The words "A Golf Classic" are disclaimed apart from the mark.
For Women's and Misses' Coats, Suits, Dresses, Skirts, Knickerbockers, Blouses, and Playsuits.
Claims use since Apr. 1, 1939.

Ser. No. 430,046. TIMELY CLOTHES, INCORPORATED Rochester, N. Y. Filed Mar. 27, 1940.

BRAYTON

For Men's Clothing—Namely, Suits, Overcoats, Topcoats, and Trousers.
Claims use since Jan. 23, 1940.

Ser. No. 430,049. TIMELY CLOTHES, INCORPORATED, Rochester, N. Y. Filed Mar. 27, 1940.

Wareton

For Men's Clothing—Namely, Suits, Topcoats, Overcoats, and Trousers.
Claims use since Jan. 23, 1940.

Ser. No. 430,095. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 28, 1940.

Pink Lemonade

The word "Pink" is disclaimed apart from the mark.
For Women's Hats, Belts for Outer Wear, Fabric Gloves, Hosiery, Handkerchiefs, Coats, Suits, Dresses, Blouses, Outer Skirts, Jackets, Sweaters, Slips, Brassières, Girdles, Corsets, Garterbelts, Nightdresses, and Chemises.
Claims use since Mar. 15, 1940.

Ser. No. 430,096. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 28, 1940.

Red Punch

The word "Red" is disclaimed apart from the mark.
For Women's Hats, Belts for Outer Wear, Fabric Gloves, Hosiery, Handkerchiefs, Coats, Suits, Dresses, Blouses, Outer Skirts, Jackets, Sweaters, Slips, Brassières, Girdles, Corsets, Garterbelts, Nightdresses, and Chemises.
Claims use since Mar. 15, 1940.

Ser. No. 430,102. SPORTS VOGUE INC., New York, N. Y. Filed Mar. 28, 1940.

Country Cousins

For Misses' and Women's Apparel—Namely, Blouses, Skirts, Dresses, Suits, Jackets in Ensemble Sets and Separately.
Claims use since Mar. 26, 1940.

Ser. No. 430,103. BERNARD STOUMEN, doing business as Fairplay Knitting Mills, Philadelphia, Pa. Filed Mar. 28, 1940.

"TARPON"

For Wind and Waterproof Jackets and Sweaters.
Claims use since Mar. 1, 1940.

Ser. No. 430,110. TIMELY CLOTHES, INCORPORATED, Rochester, N. Y. Filed Mar. 28, 1940.

VANCROSS

For Men's Clothing—Namely, Suits, Topcoats, Overcoats, and Trousers.
Claims use since Jan. 23, 1940.

Ser. No. 430,224. ELLIS COAT CO., INC., Manchester, Conn. Filed Apr. 1, 1940.

TWIN SEASON

For Ladies' Coats.
Claims use since Jan. 8, 1940.

Ser. No. 430,233. LEBOW BROTHERS, Baltimore, Md. Filed Apr. 1, 1940.

COUNTRY SQUIRE

For Men's Suits, Topcoats, and Overcoats.
Claims use since May, 1937.

Ser. No. 430,292. STACY-ADAMS COMPANY, Brockton, Mass. Filed Apr. 2, 1940. Under 10-year proviso.

STACY-ADAMS

For Shoes Made of Leather.
Claims use since 1875.

Ser. No. 430,296. VIRGINIA MAID HOSIERY MILLS, INC., Pulaski, Va. Filed Apr. 2, 1940.



For Hosiery Made of Silk and Synthetic Fibers Resembling Natural Silk.
Claims use since August, 1939.

Ser. No. 430,503. GLOBE KNITTING WORKS, Grand Rapids, Mich. Filed Apr. 8, 1940.

Night-Hawks

For Men's and Boys' Pajamas, Sleeping Coats, and Sleeping Pants.
Claims use since Sept. 1, 1939.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 391,757. THE GARDINER HALL JR. CO., South Willington, Conn., and New York, N. Y. Filed Apr. 23, 1937. Under 10-year proviso as to "Hall's".

HALL'S



The name "Hall's" has been in exclusive use by applicant for ten years next preceding Feb. 20, 1905.

For Textile Tape.

Claims use since about May, 1935. The word "Hall's" has been in use since 1860.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 418,277. A. D. JUILLIARD & CO., INC., New York, N. Y. Filed Apr. 13, 1939.

LEISURE

For Chenille Cloth.

Claims use since Mar. 23, 1939.

Ser. No. 427,383. JOSEPH MICHELOVER INC., New York, N. Y. Filed Jan. 12, 1940.

Durasheer

For Piece Goods of Woolen, Rayon, Silk, Silk and Rayon, and Cotton.

Claims use since October, 1939.

Ser. No. 429,545. TIOGA SILK COMPANY, INC., New York, N. Y. Filed Mar. 13, 1940.

SPUN-CHO

The word "Spun" is disclaimed apart from the mark.

For Spun Fabrics in the Piece, Made of Spun Acetate and Spun Rayon Yarn.

Claims use since June 1, 1939.

Ser. No. 430,627. REEVES BROTHERS, INC., New York, N. Y. Filed Apr. 10, 1940.

FAIRFOREST

For Cotton Piece Goods.

Claims use since Feb. 1, 1930.

CLASS 43

Thread and Yarn

Ser. No. 429,361. ITALVISCOSA S. A., Milan, Italy. Filed Mar. 8, 1940.

ITALVISCOSA

For Artificial Thread and Yarn, Mixed Natural and Artificial Thread and Yarn, Both of the Continuous Fibre and Staple Fibre Type.

Claims use since July 5, 1939.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 429,532. ELLIOTT E. LA FRIENIER, Los Angeles, Calif. Filed Mar. 13, 1940.

PRISMA

For Porcelain Used in the Manufacture of Dental Restorations.

Claims use since Nov. 7, 1938.

Ser. No. 430,631. PEGGY SAGE, INC., New York, N. Y. Filed Apr. 10, 1940.

Pickpocket

For Manicure Sets.

Claims use since Apr. 8, 1940.

Ser. No. 430,757. ALLIED BEAUTY PRODUCTS MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 15, 1940.

Fifth Avenue

For Permanent Waving Machines.

Claims use since May 1, 1934.

Ser. No. 430,758. ALLIED BEAUTY PRODUCTS MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 15, 1940.

Fifth Avenue

For Machineless Permanent Waving Pads.

Claims use since May 1, 1934.

Ser. No. 430,812. UNITED BUYERS CORPORATION, Chicago, Ill. Filed Apr. 15, 1940.

Ladyette

For Tooth Picks.

Claims use since Jan. 15, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 429,943. LARNED SALES COMPANY, Detroit, Mich. Filed Mar. 25, 1940.

CIRCUS

For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks, and Sirups and Extracts for Making the Same.

Claims use since Feb. 24, 1940.

Ser. No. 430,417. THE ORANGE SMILE SIRUP COMPANY, also doing business as The Smile Sirup Company, St. Louis, Mo. Filed Apr. 5, 1940.

Ranger

For Non-Alcoholic, Maltless Syrup Concentrate for Making Soft Drinks, and Soft Drinks Made from Such Concentrate.

Claims use since Mar. 5, 1940.

Ser. No. 430,773. THE ILLINOIS CANNING COMPANY, Hoopeston, Ill. Filed Apr. 15, 1940.

JOAN *of* ARC

For Canned Beverage—Namely, a Vegetable Juice Cocktail.

Claims use since Apr. 9, 1940.

Ser. No. 430,774. THE ILLINOIS CANNING COMPANY, Hoopeston, Ill. Filed Apr. 15, 1940.

TOP *o' the* MORNIN'

For Canned Beverage—Namely, a Vegetable Juice Cocktail.

Claims use since Apr. 9, 1940.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 421,047. MITCHELL PARTNERSHIP, Windfall, Ind. Filed June 28, 1939.



Applicant disclaims the word "Balance" apart from the mark.

For Soybean Oil Meal and Hog Feed.

Claims use since February, 1938.

Ser. No. 422,799. YOUMA CO. OF AMERICA, INC., Springfield, Mass. Filed Aug. 21, 1939.

Youma

For Cereal or Breakfast Food.

Claims use since Jan. 1, 1938.

Ser. No. 424,390. DYBER OIL CO., New York, N. Y. Filed Oct. 10, 1939.



Applicant is the owner of registration No. 365,574. The word "Tel-A-Viv", the outline of the label and the representation of the star of David are disclaimed apart from the mark.

For Vegetable and Salad Oil, Including, Sunflower Oil, Cotton Seed Oil, Peanut Oil, Olive Oil, Soybean Oil, Sesame Oil, Palm Oil, Coconut Oil, Teaseed Oil, Said Oils Being Used as Food Products, Mayonnaise, Olives,

Wheat Flour for Baking, Canned Salmon, Canned Sardines, Canned Tuna Fish, Honey, Fruit Preserves, Including Raspberry Preserves, Cherry Preserves and Strawberry Preserves, Jams, Jellies, Spices, Coffee, Tea, Chocolate, Cocoa, Nye-Fat (Kosher Vegetable Fat), Vegetable Oils for Shortening, Vinegar, Vanilla Extract and Chocolate Syrup Used for Flavoring Purposes, Noodles, Spaghetti, Macaroni, Malted Powder, Dairy Products—Namely, Butter and Cheese, Baking Powder, Cakes, Biscuits, and Pancake Syrup.

Claims use since Feb. 1, 1936.

Ser. No. 424,841. CONSOLIDATED BISCUIT COMPANY, INCORPORATED, doing business as Davidson Biscuit Co., Chicago and Mount Vernon, Ill., and Louisville, Ky. Filed Oct. 24, 1939.



No claim is made to the words "Tasty", "Ginger Snap Wafers", or "Chock Full of Goodness", nor to the representation of the goods apart from the mark.

For Ginger Snaps or Wafers or Cookies.

Claims use since Sept. 18, 1937.

Ser. No. 427,167. NESTLÉ'S MILK PRODUCTS, INC., New York, N. Y. Filed Jan. 5, 1940.



Applicant is the owner of the following United States Trade-Mark Registrations: Nos. 11,709 and 11,710 of Nov. 25, 1884; No. 32,742 of Apr. 18, 1899; No. 32,813 of May 2, 1899; No. 69,322 of June 2, 1908; Nos. 145,757, 145,758, and 145,759 of Aug. 16, 1921; No. 147,139 of Oct. 4, 1921; No. 148,906 of Nov. 29, 1921; No. 157,724 of Aug. 15, 1922; No. 188,089 of Aug. 19, 1924; No. 262,644 of Oct. 15, 1929; No. 265,688 of Jan. 7, 1930; No. 311,529 of Mar. 27, 1934; No. 336,210 of June 30, 1936; No. 349,899 of Sept. 14, 1937; No. 354,110 of Feb. 1, 1938; and No. 364,017 of Jan. 17, 1939.

For Coffees, Coffee Extracts, Decaffeinated Coffees, and Decaffeinated Coffee Extracts, With or Without the Admixture of Other Food Ingredients; Infants' Foods; Cream; Sterilized Cream; Sterilized Milk; Milks, Whole, Evaporated and Condensed, Vitaminized Evaporated and Vitaminized Condensed, Powdered and Vitaminized Powdered; Skimmed Milks, Whole, Evaporated, Condensed and Powdered; Malted Milk; Cheese; Process Cheese; Butter; Yoghurt; Powdered Buttermilk; Ice Cream; Ice Cream Mix; Coffee with Milk (Café au Lait); Baking Powder; Maltose Dextrin; Cereals of the Nature of Breakfast Foods, Milk Foods With or Without the Admixture of Other Food Ingredients and With or Without Added Vitamins; and Cereal Foods With or Without the Admixture of Other Food Ingredients and With or Without Added Vitamins.

Claims use since Oct. 17, 1939.

Ser. No. 428,399. J. P. MEYENBERG, JR., doing business as J. P. Meyenberg, Jr. Sales Co., Salinas, Calif. Filed Feb. 9, 1940.

LULLABY

For Canned Milk, Canned Fruits, Canned Vegetables, and Prepared Milk Baby Foods.

Claims use since Jan. 30, 1940.

Ser. No. 428,563. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Feb. 13, 1940.



Applicant disclaims the words "Yorktown Brand" and "Genuine Virginia Ham" except as part of the mark shown.

For Hams.

Claims use since Feb. 20, 1939.

Ser. No. 428,631. WILSON & CO., INC., Chicago, Ill. Filed Feb. 16, 1940.

MOR

For Canned Comminuted Pork Meat.

Claims use since Jan. 4, 1940.

Ser. No. 428,902. PHILIP P. BECKER, New York, N. Y. Filed Feb. 26, 1940.

CODDIES

For Cod Fish Cakes.

Claims use since Feb. 15, 1940.

Ser. No. 429,455. REID, MURDOCH & CO., Chicago, Ill. Filed Mar. 11, 1940.

Pic-L-Joys

The word "Pic-L" is disclaimed apart from the mark.

For Cut Pickles.

Claims use since Feb. 28, 1940.

Ser. No. 429,533. M. S. "DICK" NILES, doing business as M. S. "Dick" Niles Co., Weslaco, Tex. Filed Mar. 13, 1940.

Valley Grande

For Fresh Citrus Fruit, Canned Citrus Juices for Food Purposes, Canned Papaya Nectar for Food Purposes, Marmalades, and Fruit Preserves, and Crushed Papaya for Ice Cream Topping.

Claims use since December, 1937.

Ser. No. 429,660. HERMAN LEBSON, Chicago, Ill. Filed Mar. 16, 1940.

DOLITE

For Bread Ingredient—i. e., a Combination of Cereal Flours Consisting Largely of Especially Processed Corn Flour.

Claims use since Mar. 7, 1940.

Ser. No. 429,827. I. ROKEACH AND SONS, INC., Brooklyn, N. Y. Filed Mar. 21, 1940. Under section 5b of the act of 1905, as amended in 1920.

ROKEACH

For Vegetable Soup, Barley and Mushroom Soup, Green Pea Soup, Lima Bean Soup, Tomato Soup, Borscht (Beet Soup), and Honey.

Claims use since June, 1938.

Ser. No. 429,828. I. ROKEACH AND SONS, INC., Brooklyn, N. Y. Filed Mar. 21, 1940. Under section 5b of the act of 1905, as amended in 1920.

רוקחים

A translation of the Hebrew word is "Rokeach's."

For Vegetable Soup, Barley and Mushroom Soup, Green Pea Soup, Lima Bean Soup, Tomato Soup, and Honey.

Claims use since June, 1938.

Ser. No. 430,026. C. D. KENNY COMPANY, Baltimore, Md. Filed Mar. 27, 1940.

CHEON

For Tea.

Claims use since 1881.

Ser. No. 430,111. UNIVERSAL COFFEE CO., INC., Long Island City, N. Y. Filed Mar. 28, 1940.



No claim is made to the words "Brand", Coffee", and "Superior" apart from the mark.

For Coffee.

Claims use since Jan. 1, 1937.

CLASS 48

Malt Beverages and Liquors

Ser. No. 430,481. BLOOMER BREWERY, INC., Bloomer, Wis. Filed Apr. 8, 1940.

AL'S

For Ale and Beer.

Claims use since November, 1935.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 427,351. THE SPEYBURN-GLENLIVET DISTILLERY CO. LIMITED, Glasgow, Scotland. Filed Jan. 11, 1940.

SPEYBURN

For Scotch Whisky.

Claims use since Dec. 30, 1899.

Wheat Flour for Baking, Canned Salmon, Canned Sardines, Canned Tuna Fish, Honey, Fruit Preserves, Including Raspberry Preserves, Cherry Preserves and Strawberry Preserves, Jams, Jellies, Spices, Coffee, Tea, Chocolate, Cocoa, Nye-Fat (Kosher Vegetable Fat), Vegetable Oils for Shortening, Vinegar, Vanilla Extract and Chocolate Syrup Used for Flavoring Purposes, Noodles, Spaghetti, Macaroni, Malted Powder, Dairy Products—Namely, Butter and Cheese, Baking Powder, Cakes, Biscuits, and Pancake Syrup.

Claims use since Feb. 1, 1936.

Ser. No. 424,841. CONSOLIDATED BISCUIT COMPANY, INCORPORATED, doing business as Davidson Biscuit Co., Chicago and Mount Vernon, Ill., and Louisville, Ky. Filed Oct. 24, 1939.



No claim is made to the words "Tasty", "Ginger Snap Wafers", or "Chock Full of Goodness", nor to the representation of the goods apart from the mark.

For Ginger Snaps or Wafers or Cookies.

Claims use since Sept. 18, 1937.

Ser. No. 427,167. NESTLÉ'S MILK PRODUCTS, INC., New York, N. Y. Filed Jan. 5, 1940.



Applicant is the owner of the following United States Trade-Mark Registrations: Nos. 11,709 and 11,710 of Nov. 25, 1884; No. 32,742 of Apr. 18, 1899; No. 32,813 of May 2, 1899; No. 69,322 of June 2, 1908; Nos. 145,757, 145,758, and 145,759 of Aug. 16, 1921; No. 147,139 of Oct. 4, 1921; No. 148,906 of Nov. 29, 1921; No. 157,724 of Aug. 15, 1922; No. 188,089 of Aug. 19, 1924; No. 262,644 of Oct. 15, 1929; No. 265,688 of Jan. 7, 1930; No. 311,529 of Mar. 27, 1934; No. 336,210 of June 30, 1936; No. 349,899 of Sept. 14, 1937; No. 354,110 of Feb. 1, 1938; and No. 364,017 of Jan. 17, 1939.

For Coffees, Coffee Extracts, Decaffeinated Coffees, and Decaffeinated Coffee Extracts, With or Without the Admixture of Other Food Ingredients; Infants' Foods; Cream; Sterilized Cream; Sterilized Milk; Milks, Whole, Evaporated and Condensed, Vitaminized Evaporated and Vitaminized Condensed, Powdered and Vitaminized Powdered; Skimmed Milks, Whole, Evaporated, Condensed and Powdered; Malted Milk; Cheese; Process Cheese; Butter; Yoghurt; Powdered Buttermilk; Ice Cream; Ice Cream Mix; Coffee with Milk (Café au Lait); Baking Powder; Maltose Dextrin; Cereals of the Nature of Breakfast Foods, Milk Foods With or Without the Admixture of Other Food Ingredients and With or Without Added Vitamins; and Cereal Foods With or Without the Admixture of Other Food Ingredients and With or Without Added Vitamins.

Claims use since Oct. 17, 1939.

Ser. No. 428,399. J. P. MEYENBERG, JR., doing business as J. P. Meyenberg, Jr. Sales Co., Salinas, Calif. Filed Feb. 9, 1940.

LULLABY

For Canned Milk, Canned Fruits, Canned Vegetables, and Prepared Milk Baby Foods.

Claims use since Jan. 30, 1940.

Ser. No. 428,563. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Feb. 13, 1940.



Applicant disclaims the words "Yorktown Brand" and "Genuine Virginia Ham" except as part of the mark shown.

For Hams.

Claims use since Feb. 20, 1939.

Ser. No. 428,631. WILSON & CO., INC., Chicago, Ill. Filed Feb. 16, 1940.

MOR

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Claims use since Jan. 4, 1940.

Ser. No. 428,902. PHILIP P. BECKER, New York, N. Y. Filed Feb. 26, 1940.

CODDIES

For Cod Fish Cakes.

Claims use since Feb. 15, 1940.

Ser. No. 429,455. REID, MURDOCH & CO., Chicago, Ill. Filed Mar. 11, 1940.

Pic-L-Joys

The word "Pic-L" is disclaimed apart from the mark.

For Cut Pickles.

Claims use since Feb. 28, 1940.

Ser. No. 429,533. M. S. "DICK" NILES, doing business as M. S. "Dick" Niles Co., Weslaco, Tex. Filed Mar. 13, 1940.

Valley Grande

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Claims use since December, 1937.

Ser. No. 429,660. HERMAN LEBSON, Chicago, Ill. Filed Mar. 16, 1940.

DOLITE

For Bread Ingredient—i. e., a Combination of Cereal Flours Consisting Largely of Especially Processed Corn Flour.

Claims use since Mar. 7, 1940.

Ser. No. 429,827. I. ROKEACH AND SONS, INC., Brooklyn, N. Y. Filed Mar. 21, 1940. Under section 5b of the act of 1905, as amended in 1920.

ROKEACH

For Vegetable Soup, Barley and Mushroom Soup, Green Pea Soup, Lima Bean Soup, Tomato Soup, Borscht (Beet Soup), and Honey.

Claims use since June, 1938.

Ser. No. 429,828. I. ROKEACH AND SONS, INC., Brooklyn, N. Y. Filed Mar. 21, 1940. Under section 5b of the act of 1905, as amended in 1920.

רוקחים

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For Vegetable Soup, Barley and Mushroom Soup, Green Pea Soup, Lima Bean Soup, Tomato Soup, and Honey.

Claims use since June, 1938.

Ser. No. 430,026. C. D. KENNY COMPANY, Baltimore, Md. Filed Mar. 27, 1940.

CHEON

For Tea.

Claims use since 1881.

Ser. No. 430,111. UNIVERSAL COFFEE CO., INC., Long Island City, N. Y. Filed Mar. 28, 1940.



No claim is made to the words "Brand", Coffee", and "Superior" apart from the mark.

For Coffee.

Claims use since Jan. 1, 1937.

CLASS 48

Malt Beverages and Liquors

Ser. No. 430,481. BLOOMER BREWERY, INC., Bloomer, Wis. Filed Apr. 8, 1940.

AL'S

For Ale and Beer.

Claims use since November, 1935.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 427,351. THE SPEYBURN-GLENLIVET DISTILLERY CO. LIMITED, Glasgow, Scotland. Filed Jan. 11, 1940.

SPEYBURN

For Scotch Whisky.

Claims use since Dec. 30, 1899.

Ser. No. 429,425. THE UNION DISTILLERS PRODUCTS COMPANY, Baltimore, Md. Filed Mar. 9, 1940.

RENNERT



The word "Rennert" is disclaimed apart from the combination as shown.

For Whiskey, Gin, Brandy, Cognac, and Alcoholic Cordials.

Claims use since Feb. 6, 1940.

Ser. No. 430,189. NATIONAL DISTILLERS PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 30, 1940.

Bourbon de Luxe

No claim is made to the word "Bourbon" except in the combination shown.

For Whiskey.

Claims use since June, 1911.

Ser. No. 431,076. THE OLD QUAKER COMPANY, Lawrenceburg, Ind. Filed Apr. 22, 1940.

Morning Glory

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.

Claims use since Feb. 1, 1940.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 401,675. NEW YORK DROP CLOTH MFG. CO., INC., doing business as Diamond Brand Canvas Products Co., New York, N. Y. Filed Jan. 7, 1938.

DIAMOND BRAND

The word "Brand" is disclaimed apart from the mark.

For Canvas Goods—Namely, Canvas Tents, Tarpaulins, Painters' Drop Cloths, Furniture Delivery Pads, Van Lining Pads, Road Curing Mats, Waterproof Piano Covers, and Radio Pads.

Claims use since 1921 on canvas tents, painters' drop cloths, furniture delivery pads, van lining pads, waterproof piano covers, and radio pads; since 1926 on tarpaulins; and since 1927 on road curing mats.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 28, 1940

378,073. AIR CONDITIONING APPARATUS. SYNCROMATIC AIR CONDITIONING CORPORATION, Milwaukee, Wis.

Filed November 6, 1935. Serial No. 371,275. PUBLISHED DECEMBER 31, 1935. Class 34.

378,074. FIELD AND GARDEN SEEDS. WILLIAM N. MARTIN, Vernon, Tex.

Filed November 8, 1937. Serial No. 399,453. PUBLISHED MARCH 19, 1940. Class 1.

378,075. DECORATED, PRINTED, AND ORNAMENTED KNITTED, AND WOVEN TEXTILE FABRICS, WHICH FABRICS MAY BE CREPE GOODS, FLAT GOODS, OR PILE GOODS AND MAY CONSIST OF COTTON, SILK, LINEN, WOOL, OR MIXTURES THEREOF. VELVERAY CORPORATION OF AMERICA, New York, N. Y.

Filed November 18, 1937. Serial No. 399,910. PUBLISHED MARCH 1, 1938. Class 42.

378,076. CIDER, APPLE JUICE, AND GRAPE JUICE. THE WAYNE COUNTY PRODUCE CO., New York, N. Y.

Filed February 2, 1938. Serial No. 402,615. PUBLISHED MARCH 19, 1940. Class 45.

378,077. ICE SKATES WITH SHOES ATTACHED. THE ALFRED JOHNSON SKATE COMPANY, Chicago, Ill.

Filed May 13, 1938. Serial No. 406,293. PUBLISHED MARCH 19, 1940. Class 22.

378,078. BICYCLES AND TRICYCLES. THE RALEIGH CYCLE COMPANY LIMITED, Nottingham, England.

Filed November 18, 1938. Serial No. 412,924. PUBLISHED MARCH 19, 1940. Class 19.

378,079. WOMEN'S AND MISSES' COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, HATS, HOSIERY, SHOES AND GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, AND APPAREL BELTS. COLORDINATION GROUP, INC., New York, N. Y.

Filed December 9, 1938. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 413,617. PUBLISHED MARCH 19, 1940. Class 39.

378,080. WOMEN'S AND MISSES' COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, HATS, HOSIERY, SHOES AND GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, AND APPAREL BELTS. COLORDINATION GROUP, INC., New York, N. Y.

Filed December 9, 1938. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 413,618. PUBLISHED MARCH 19, 1940. Class 39.

378,081. WOMEN'S AND MISSES' COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, HATS, SHOES AND GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, AND APPAREL BELTS. COLORDINATION GROUP, INC., New York, N. Y.

Filed December 9, 1938. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 413,619. PUBLISHED MARCH 19, 1940. Class 39.

378,082. WOMEN'S AND MISSES' COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, HATS, SHOES, AND GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, AND APPAREL BELTS. COLORDINATION GROUP, INC., New York, N. Y.

Filed December 9, 1938. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 413,620. PUBLISHED MARCH 19, 1940. Class 39.

378,083. LIQUID LEVEL RESPONSIVE OIL CONTROL VALVES FOR EITHER MANUAL OR THERMO ELECTRICAL AUTOMATIC CONTROL AND METERING VALVES AND EXPANSION VALVES FOR REFRIGERATION SERVICE. AUTOMATIC PRODUCTS COMPANY, Milwaukee, Wis.

Filed December 14, 1938. Serial No. 413,811. PUBLISHED MARCH 19, 1940. Class 13.

378,084. SALAD DRESSING, PARTICULARLY MAYONNAISE DRESSING. MERIT FOOD CO., INC., Hackensack, N. J.

Filed January 14, 1939. Serial No. 414,828. PUBLISHED MARCH 14, 1939. Class 46.

378,085. FRICTION AND RUBBER TAPE COMBINED. UNITED STATES RUBBER COMPANY, New York, N. Y.

Filed March 17, 1939. Serial No. 417,189. PUBLISHED MARCH 19, 1940. Class 21.

378,086. TOP COATS AND OVERCOATS FOR MEN AND YOUNG MEN. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.

Filed March 24, 1939. Serial No. 417,460. PUBLISHED FEBRUARY 6, 1940. Class 39.

378,087. LADIES' AND MEN'S NECKTIES. HIPSH, INC., Kansas City, Mo.

Filed March 30, 1939. Serial No. 417,648. PUBLISHED OCTOBER 17, 1939. Class 39.

378,088. VINEGAR, JAMS AND JELLIES, FRUIT PRESERVES, PICKLES, PICKLE RELISHES, PICKLED PEPPERS, SOUTHERN HOT STYLE CHILI, AND OLD ENGLISH SAUCE (TABLE). CROWN PRODUCTS CORPORATION, San Francisco and Los Angeles, Calif.

Filed May 2, 1939. Serial No. 418,966. PUBLISHED MARCH 12, 1940. Class 46.

378,089. ELECTRICAL POWER BEAM APPARATUS FOR DETECTING UNSEEN OBJECTS, SUCH AS LOCATING AIRCRAFT ABOVE OVERCAST CLOUDS, SPOTTING OF ICEBERGS OR BOATS IN A FOG, DETECTION OF MOUNTAIN RANGES AND OTHER OBSTACLES FROM AIRCRAFT IN FLIGHT. SENSYTROL CORPORATION, Washington, D. C.

Filed May 20, 1939. Serial No. 419,637. PUBLISHED MARCH 19, 1940. Class 21.

378,090. RAYON PIECE GOODS. PACIFIC MILLS, Boston, Mass.

Filed May 27, 1939. Serial No. 419,933. PUBLISHED MARCH 19, 1940. Class 42.

378,091. PAINT PIGMENT. DIAMOND ALKALI COMPANY, Pittsburgh, Pa.

Filed June 28, 1939. Serial No. 421,031. PUBLISHED SEPTEMBER 26, 1939. Class 16.

378,092. MEN'S SUITS, SLACKS, OUTER AND UNDER SHIRTS, UNDERWEAR, SOCKS, AND NECKTIES. WEBER AND HEILBRONER, INC., New York, N. Y.

Filed July 14, 1939. Serial No. 421,589. PUBLISHED SEPTEMBER 19, 1939. Class 39.

378,093. ICE CREAM. ARDEN FARMS, INC., Los Angeles, Calif.

Filed July 21, 1939. Serial No. 421,792. PUBLISHED MARCH 12, 1940. Class 46.

378,094. TEXTILE PIECE GOODS USED IN CONNECTION WITH SOIL TO PREVENT EROSION. BEMIS BRO. BAG COMPANY, St. Louis, Mo.

Filed July 31, 1939. Serial No. 422,121. PUBLISHED MARCH 19, 1940. Class 42.

378,095. LEATHER SHOES. J. EDWARDS & CO., Philadelphia, Pa.
Filed August 16, 1939. Serial No. 422,664. PUBLISHED MARCH 19, 1940. Class 39.

378,096. FOOD DRINK—NAMELY, A MALTED POWDER BASE FOR A NON-ALCOHOLIC BEVERAGE CONSISTING OF MALTOSE, DEXTROSE, DEFATTED MINERALIZED MILK, SUCROSE, AND STABILIZER. ALPHONSE J. HANTEN, doing business as Dufold Malted Co., Racine, Wis.
Filed August 18, 1939. Serial No. 422,744. PUBLISHED MARCH 19, 1940. Class 46.

378,097. ELECTRIC SWITCHES, ELECTRIC PANELBOARDS, CIRCUIT BREAKERS, ELECTRIC BUS BAR DISTRIBUTION APPARATUS, ELECTRIC HEATING APPARATUS FOR PASTEURIZING SYSTEMS, AND PARTS THEREOF. THE TRUMBULL ELECTRIC MANUFACTURING COMPANY, Plainville, Conn.
Filed August 22, 1939. Serial No. 422,872. PUBLISHED MARCH 19, 1940. Class 21.

378,098. WOMEN'S AND CHILDREN'S SWEATERS. THEBEST MILLS CO., New York, N. Y.
Filed August 25, 1939. Serial No. 423,012. PUBLISHED DECEMBER 5, 1939. Class 39.

378,099. HYBRID SEED CORN AND OTHER FARM SEEDS, PARTICULARLY GRASS SEEDS. ELMER G. CARLSON, doing business as Carlson's Hybrid Seed Corn Co., Audubon, Iowa.
Filed August 26, 1939. Serial No. 423,022. PUBLISHED MARCH 5, 1940. Class 1.

378,100. LADIES' SCARFS AND HANDKERCHIEFS. GLENSDER TEXTILE CO., New York, N. Y.
Filed September 7, 1939. Serial No. 423,378. PUBLISHED DECEMBER 12, 1939. Class 39.

378,101. TRANSPARENT, WATERPROOF CLOTH FOR COVERING TENTS, STORM DOORS, WINDOWS, DOORS, HOT BEDS, AND THE LIKE. HAROLD WARP, doing business as Flex-O-Glass Manufacturing Company, Chicago, Ill.
Filed September 11, 1939. Serial No. 423,516. PUBLISHED MARCH 19, 1940. Class 50.

378,102. SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS OF SUCH MATERIALS. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed October 14, 1939. Serial No. 424,549. PUBLISHED MARCH 19, 1940. Class 39.

378,103. FILTER CLOTHS, AND MORE PARTICULARLY FOR CLOTHS FOR FILTERING MILK. SCHWARTZ MANUFACTURING COMPANY, Two Rivers, Wis.
Filed October 14, 1939. Serial No. 424,558. PUBLISHED MARCH 19, 1940. Class 31.

378,104. FILTER CLOTHS, AND MORE PARTICULARLY FOR CLOTHS FOR FILTERING MILK. SCHWARTZ MANUFACTURING COMPANY, Two Rivers, Wis.
Filed October 14, 1939. Serial No. 424,560. PUBLISHED MARCH 19, 1940. Class 31.

378,105. PAPER, COATED AND/OR DECORATED. CRAWFORD PAPERS, INCORPORATED, Cohoes, N. Y.
Filed October 26, 1939. Serial No. 424,904. PUBLISHED MARCH 19, 1940. Class 37.

378,106. GOLF CLUBS. SPALDING SALES CORPORATION, Chicopee, Mass.
Filed November 7, 1939. Serial No. 425,370. PUBLISHED MARCH 19, 1940. Class 22.

378,107. CANNED VEGETABLES, CANNED FRUITS, CANNED FISH, SPICES, COFFEE, FRUIT PRESERVES, SALT, FOOD FLAVORING EXTRACTS, RICE, BREAKFAST CEREALS, WITH THE EXCEPTION OF OATS AND OATMEAL. FRANK PEPE INC., Waterbury, Conn.
Filed November 8, 1939. Serial No. 425,425. PUBLISHED MARCH 19, 1940. Class 46.

378,108. ALE. THE HUDEPOHL BREWING COMPANY, Cincinnati, Ohio.
Filed November 9, 1939. Serial No. 425,475. PUBLISHED MARCH 19, 1940. Class 48.

378,109. CRANBERRY JUICE COCKTAIL PREPARED WITH WATER, STILL OR CARBONATED, CRANBERRY JUICE AND SUGAR SOLD AS A SOFT DRINK. CRANBERRY CANNERS, INC., South Hanson, Mass.
Filed November 18, 1939. Serial No. 425,778. PUBLISHED MARCH 19, 1940. Class 45.

378,110. BOTTLED WINES PACKED IN BOTTLE CARRIERS. THE HECKER CO., Los Angeles, Calif.
Filed November 18, 1939. Serial No. 425,823. PUBLISHED MARCH 19, 1940. Class 47.

378,111. VARNISH TYPE FLOOR FINISH, FLOOR POLISH, AND PASTE FLOOR WAX. E. L. BRUCE COMPANY, Memphis, Tenn.
Filed November 22, 1939. Serial No. 425,877. PUBLISHED MARCH 19, 1940. Class 16.

378,112. APPARATUS FOR BOARDING, BLOCKING, OR SETTING THE SHAPE OF ARTICLES MADE FROM TEXTILE FABRIC, FLAT PIECE GOODS, OR TEXTILE YARNS OR THE COMPONENTS THEREOF. PARAMOUNT TEXTILE MACHINERY CO., Kankakee and Chicago, Ill.
Filed November 24, 1939. Serial No. 425,930. PUBLISHED MARCH 19, 1940. Class 23.

378,113. ELECTRICALLY OPERATED AND ELECTRICALLY DRIVEN DEVICES USED IN MANICURING, BEAUTY CULTURE, AND BEAUTY AND BARBER SHOP TRADE, ETC. M. M. COHEN, doing business as The Beautiator Company, Cleveland, Ohio.
Filed November 27, 1939. Serial No. 425,984. PUBLISHED MARCH 19, 1940. Class 44.

378,114. WOMEN'S OUTER GARMENTS AND UNDERGARMENTS—NAMELY, COATS, DRESSES, BLOUSES, SKIRTS, AND ENSEMBLES THEREOF, SUITS, AND SLEEPING JACKETS, PAJAMAS, NIGHTGOWNS, HOSTESS GOWNS, CHEMISES, STEP-IN UNDERDRAWERS, PANTIES, BRASSIÈRES, GIRDLES, CORSETS, SLIPS, PETTICOATS, AND BLOOMERS. MARGET ROONEY, New York, N. Y.
Filed November 27, 1939. Serial No. 426,004. PUBLISHED MARCH 19, 1940. Class 39.

378,115. DRINKING STRAWS. WHITE RIVER PAPER MILLS, INC., Indianapolis, Ind.
Filed November 29, 1939. Serial No. 426,077. PUBLISHED MARCH 19, 1940. Class 50.

378,116. PAPER TOWELS. A. P. W. PAPER COMPANY, INC., Albany, N. Y.
Filed December 7, 1939. Serial No. 426,321. PUBLISHED MARCH 19, 1940. Class 37.

378,117. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, GLOVES MADE OF LEATHER AND TEXTILE FABRICS, NEGLIGEES, PAJAMAS, SWEATERS, ETC. BEST & CO. INC., New York, N. Y.
Filed December 12, 1939. Serial No. 426,477. PUBLISHED MARCH 19, 1940. Class 39.

378,118. CONFECTIONS FORMED OF CEREALS OR GRAINS COATED WITH A CONFECTION MATERIAL. PURITY MILLS, INC., Chicago, Ill.
Filed December 13, 1939. Serial No. 426,540. PUBLISHED MARCH 19, 1940. Class 46.

378,119. MATTRESSES AND BOX SPRINGS. DAVID PARANSKY, doing business as Star Bedding Company, Pittsburgh, Pa.
Filed December 15, 1939. Serial No. 426,590. PUBLISHED MARCH 12, 1940. Class 32.

378,120. WHISKEY. BON-TON, INCORPORATED, Chicago, Ill.
Filed December 15, 1939. Serial No. 426,601. PUBLISHED MARCH 19, 1940. Class 49.

378,121. CRANBERRY VINES WHICH HAVE BEEN TRIMMED AFTER THE CROP OF BERRIES HAS BEEN HARVESTED TO BE USED AS A PROTECTIVE COVER FOR PERENNIALS AND BULBS DURING THE FREEZING AND THAWING CONDITIONS OF THE WINTER MONTHS. CRANBERRY CANNERS, INC., South Hanson, Mass.
Filed December 16, 1939. Serial No. 426,644. PUBLISHED MARCH 19, 1940. Class 1.

378,122. CALCULATOR FOR TURF MEN AND OTHER SPORTS. HARRY GOODMAN, doing business as Turf Master Co., New York, N. Y.
Filed December 18, 1939. Serial No. 426,678. PUBLISHED MARCH 19, 1940. Class 26.

378,123. ELECTRICAL INSTRUMENT FOR INDICATING THE POTENTIAL OF AN AUTOMOTIVE VEHICLE STORAGE BATTERY AND THE POTENTIAL OF THE ELECTRICAL SYSTEM IN AN AUTOMOTIVE VEHICLE. THE ANDERSON COMPANY, Gary, Ind.
Filed December 18, 1939. Serial No. 426,681. PUBLISHED MARCH 19, 1940. Class 26.

378,124. ELECTRICAL INSTRUMENT FOR INDICATING THE POTENTIAL OF AN AUTOMOTIVE VEHICLE STORAGE BATTERY AND THE POTENTIAL OF THE ELECTRICAL SYSTEM IN AN AUTOMOTIVE VEHICLE. THE ANDERSON COMPANY, Gary, Ind.
Filed December 18, 1939. Serial No. 426,682. PUBLISHED MARCH 19, 1940. Class 26.

378,125. TEXTILE FABRICS IN THE PIECE, OF SILK, RAYON, WOOL, COTTON, AND COMBINATIONS THEREOF. EICHMANN & HECHT, New York, N. Y.
Filed December 20, 1939. Serial No. 426,768. PUBLISHED MARCH 19, 1940. Class 42.

378,126. SHEARLINGS OR WOOL SKINS. A. C. LAWRENCE LEATHER COMPANY, Peabody, Mass.
Filed December 20, 1939. Serial No. 426,775. PUBLISHED MARCH 19, 1940. Class 1.

378,127. GAS RANGE CONNECTIONS. NEW PRODUCTS CORPORATION, Benton Harbor, Mich.
Filed December 21, 1939. Serial No. 426,813. PUBLISHED MARCH 19, 1940. Class 13.

378,128. BRASSIÈRES. THE GLUCKIN CORP., New York, N. Y.
Filed December 23, 1939. Serial No. 426,857. PUBLISHED MARCH 19, 1940. Class 39.

378,129. HOSIERY. ARCHER HOSIERY MILLS, Columbus, Ga.
Filed December 26, 1939. Serial No. 426,876. PUBLISHED MARCH 19, 1940. Class 39.

378,130. CANNED FRUITS, VEGETABLES, SOUPS, PORK AND BEANS, SPAGHETTI, AND TOMATO PURÉE. THE H. J. MCGRATH COMPANY, Baltimore, Md.
Filed December 26, 1939. Serial No. 426,890. PUBLISHED MARCH 19, 1940. Class 46.

378,131. FOOT ACTUATED TRIPS FOR OPERATING THE FLUSHING MECHANISM OF A WATER CLOSET. CHARLES W. REHBACK, Orcutt, Calif.
Filed December 26, 1939. Serial No. 426,896. PUBLISHED MARCH 19, 1940. Class 13.

378,132. NONALCOHOLIC FRUIT PUNCH. PACIFIC CITRUS PRODUCTS CO., LTD., Fullerton, Calif.
Filed December 27, 1939. Serial No. 426,932. PUBLISHED MARCH 19, 1940. Class 45.

378,133. NONALCOHOLIC FRUIT PUNCH. PACIFIC CITRUS PRODUCTS CO., LTD., Fullerton, Calif.
Filed December 27, 1939. Serial No. 426,933. PUBLISHED MARCH 19, 1940. Class 45.

378,134. COAL. TRUAX-TRAER COAL COMPANY, Chicago, Ill.
Filed December 27, 1939. Serial No. 426,936. PUBLISHED MARCH 19, 1940. Class 1.

378,135. LADIES' GARMENTS—NAMELY, COATS AND SUITS. FRANK LETO & MARTIN COHN, INC., New York, N. Y.
Filed December 28, 1939. Serial No. 426,953. PUBLISHED MARCH 19, 1940. Class 39.

378,136. LADIES' DRESSES, BLOUSES, SKIRTS, AND PLAY SUITS. NAT EVANS, doing business as Nip-N-Tuck Styles, New York, N. Y.
Filed December 29, 1939. Serial No. 426,966. PUBLISHED MARCH 19, 1940. Class 39.

378,137. COTTON AND RAYON PIECE GOODS. RYAN CONVERTING CORP., New York, N. Y.
Filed December 29, 1939. Serial No. 426,989. PUBLISHED MARCH 19, 1940. Class 42.

378,138. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A LEMON BEVERAGE AND SIRUP AND EXTRACT FOR MAKING THE SAME. FOOTE & JENKS, INC., Jackson, Mich.
Filed December 30, 1939. Serial No. 427,016. PUBLISHED MARCH 19, 1940. Class 45.

378,139. BRANDY. ITALIAN SWISS COLONY, San Francisco, Calif.
Filed January 2, 1940. Serial No. 427,077. PUBLISHED MARCH 19, 1940. Class 49.

378,140. CANNED VEGETABLES. WEIS PURE FOOD STORES, Sunbury, Pa.
Filed January 2, 1940. Serial No. 427,096. PUBLISHED MARCH 19, 1940. Class 46.

378,141. WHISKEY. J. A. DOUGHERTY'S SONS, INC., DISTILLERS, Philadelphia, Pa.
Filed January 3, 1940. Serial No. 427,098. PUBLISHED MARCH 19, 1940. Class 49.

378,142. COAL. THE CLEVELAND CLIFFS IRON COMPANY, Cleveland, Ohio.
Filed January 4, 1940. Serial No. 427,131. PUBLISHED MARCH 19, 1940. Class 1.

378,143. COAL. THE CLEVELAND CLIFFS IRON COMPANY, Cleveland, Ohio.
Filed January 4, 1940. Serial No. 427,132. PUBLISHED MARCH 19, 1940. Class 1.

378,144. CLEANING CLOTHS, POLISHING CLOTHS, RUBBER CLEANING SPONGES AND FOUNTAIN CLEANING BRUSHES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed January 5, 1940. Serial No. 427,174. PUBLISHED MARCH 19, 1940. Class 29.

378,145. COLORED DRAWING CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed January 8, 1940. Serial No. 427,226. PUBLISHED MARCH 19, 1940. Class 37.

378,146. BOOK PAPER AND LABEL PAPER. CROCKER, BURBANK & CO., ASS'CN., Fitchburg, Mass.
Filed January 8, 1940. Serial No. 427,231. PUBLISHED MARCH 19, 1940. Class 37.

378,147. BOOK PAPER. CROCKER, BURBANK & CO., ASS'CN., Fitchburg, Mass.
Filed January 8, 1940. Serial No. 427,232. PUBLISHED MARCH 19, 1940. Class 37.

378,148. BOOK PAPER. CROCKER, BURBANK & CO., ASS'CN., Fitchburg, Mass.
Filed January 8, 1940. Serial No. 427,234. PUBLISHED MARCH 19, 1940. Class 37.

378,149. CANNED PUDDINGS, CANNED MINCEMEAT, CANNED BROWN BREAD, CANNED BAKED BEANS, CANNED BAKED BEAN SOUP, ETC. FRIEND BROTHERS, INC., Melrose, Mass.
Filed January 8, 1940. Serial No. 427,242. PUBLISHED MARCH 19, 1940. Class 46.

378,150. LADIES' SILK HOSIERY. ROBET HOSIERY CO., New York, N. Y.
Filed January 8, 1940. Serial No. 427,259. PUBLISHED MARCH 19, 1940. Class 39.

378,151. MALTLESS, NONALCOHOLIC BEVERAGES AND FLUID CONCENTRATES THEREFOR. VITAMIN BEVERAGE CORPORATION, Dover, Del.
Filed January 10, 1940. Serial No. 427,320. PUBLISHED MARCH 19, 1940. Class 45.

378,152. CANNED FRUITS AND CANNED VEGETABLES. FRANK M. WILSON COMPANY, San Francisco, Calif.
Filed January 10, 1940. Serial No. 427,321. PUBLISHED MARCH 12, 1940. Class 46.

378,153. CLOSURE CAPS. ANCHOR CAP & CLOSURE CORPORATION, Long Island City, N. Y.
Filed January 11, 1940. Serial No. 427,328. PUBLISHED MARCH 19, 1940. Class 50.

378,154. ARTIFICIAL EYES FOR DOLLS. IDEAL NOVELTY & TOY CO., Long Island City, N. Y.
Filed January 11, 1940. Serial No. 427,343. PUBLISHED MARCH 19, 1940. Class 22.

378,155. LADIES' AND MISSES' SLIPS, BRASSIERES, NIGHTGOWNS, PAJAMAS, BATHING SUITS AND SLACKS. ESTHER CADOUS, New York, N. Y.
Filed January 12, 1940. Serial No. 427,362. PUBLISHED MARCH 19, 1940. Class 39.

378,156. LADIES' AND MISSES' BLOUSES, DRESSES, HOUSECOATS, NEGLIGEES, SUITS, JACKETS, SKIRTS, PAJAMAS, CULOTTES, COATS, AND SLACKS. MITCHELL & WEBER, INC., New York, N. Y.
Filed January 12, 1940. Serial No. 427,386. PUBLISHED MARCH 19, 1940. Class 39.

378,157. DRIED FRUITS, CANNED FRUITS, AND CANNED VEGETABLES, CANNED FRUIT JUICES FOR FOOD PURPOSES, CANNED VEGETABLE JUICES FOR FOOD PURPOSES. E. ELLSWORTH CHASE, JR., doing business as Chevy Chase Co., San Jose, Calif.
Filed January 15, 1940. Serial No. 427,458. PUBLISHED MARCH 19, 1940. Class 46.

378,158. BASE METAL COOKING HOLLOWWARE. THE EVEREDY COMPANY, Frederick, Md.
Filed January 15, 1940. Serial No. 427,464. PUBLISHED MARCH 19, 1940. Class 13.

378,159. CIGARETTE ROLLER DEVICES AND FOR COMBINATION ASHTRAY WITH CIGARETTE ROLLER DETACHABLY ASSOCIATED THEREWITH. THE BETTA CIGARETTE ROLLER CO., Akron, Ohio.
Filed January 16, 1940. Serial No. 427,494. PUBLISHED MARCH 19, 1940. Class 8.

378,160. SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS OF SUCH MATERIALS. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed January 16, 1940. Serial No. 427,511. PUBLISHED MARCH 5, 1940. Class 39.

378,161. LEATHER. R. NEUMANN & COMPANY, Hoboken, N. J.
Filed January 16, 1940. Serial No. 427,514. PUBLISHED MARCH 19, 1940. Class 1.

378,162. FISH CONSERVES (TINNED FISH). GÁNDARA Y HAZ, LTDA., Vigo, Spain.
Filed January 17, 1940. Serial No. 427,536. PUBLISHED MARCH 19, 1940. Class 46.

378,163. FRESH VEGETABLES AND FRESH DECIDUOUS FRUITS. R. A. NEMANICK, Salinas, Calif.
Filed January 17, 1940. Serial No. 427,553. PUBLISHED MARCH 19, 1940. Class 46.

378,164. SPRING UNITS FOR ALL SPRING EQUIPPED FURNITURE AND UPHOLSTERY. NACHMAN SPRING-FILLED CORPORATION, Chicago, Ill.
Filed January 20, 1940. Serial No. 427,675. PUBLISHED MARCH 19, 1940. Class 32.

378,165. GAME, MORE PARTICULARLY A BOARD GAME PLAYED WITH MOVABLE PIECES. NATHANIEL A. SMITH, Newton, Mass.
Filed January 20, 1940. Serial No. 427,682. PUBLISHED MARCH 19, 1940. Class 22.

378,166. MEN'S AND BOYS' OVERCOATS, TOP COATS AND SPORT JACKETS. DVORKIN & OKUN CO., New York, N. Y.
Filed January 22, 1940. Serial No. 427,704. PUBLISHED MARCH 19, 1940. Class 39.

378,167. FEEDING FINGERS FOR AUTOMATIC SCREW MACHINES. HANSEN MANUFACTURING COMPANY, INC., Princeton, Ind.
Filed January 22, 1940. Serial No. 427,707. PUBLISHED MARCH 19, 1940. Class 23.

378,168. INSULATED ELECTRIC WIRES AND CABLES. ROCKBESTOS PRODUCTS CORPORATION, New Haven, Conn.
Filed January 22, 1940. Serial No. 427,717. PUBLISHED MARCH 19, 1940. Class 21.

378,169. BABBITT METAL. ROTOMETALS, INC., San Francisco, Calif.
Filed January 22, 1940. Serial No. 427,719. PUBLISHED MARCH 19, 1940. Class 14.

378,170. STEREOSCOPES AND TRANSPARENCIES FOR USE IN CONNECTION THEREWITH. SAWYER'S, Portland, Oreg.
Filed January 22, 1940. Serial No. 427,721. PUBLISHED MARCH 19, 1940. Class 26.

378,171. KNITTED WEARING APPAREL—NAMELY, HOSIERY, CAPS, SWEATERS, AND MITTENS. HAND KNIT HOSIERY CO., Sheboygan, Wis.
Filed January 20, 1940. Serial No. 427,741. PUBLISHED MARCH 19, 1940. Class 39.

378,172. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS. GENERAL ANILINE & FILM CORPORATION, Binghamton, N. Y.
Filed January 24, 1940. Serial No. 427,796. PUBLISHED MARCH 19, 1940. Class 26.

378,173. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS. GENERAL ANILINE & FILM CORPORATION, Binghamton, N. Y.
Filed January 24, 1940. Serial No. 427,797. PUBLISHED MARCH 19, 1940. Class 26.

378,174. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS. GENERAL ANILINE & FILM CORPORATION, Binghamton, N. Y.
Filed January 24, 1940. Serial No. 427,798. PUBLISHED MARCH 19, 1940. Class 26.

378,175. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS. GENERAL ANILINE & FILM CORPORATION, Binghamton, N. Y.
Filed January 24, 1940. Serial No. 427,799. PUBLISHED MARCH 19, 1940. Class 26.

378,176. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS. GENERAL ANILINE & FILM CORPORATION, Binghamton, N. Y.
Filed January 24, 1940. Serial No. 427,801. PUBLISHED MARCH 19, 1940. Class 26.

378,177. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS. GENERAL ANILINE & FILM CORPORATION, Binghamton, N. Y.
Filed January 24, 1940. Serial No. 427,802. PUBLISHED MARCH 19, 1940. Class 26.

378,178. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS. GENERAL ANILINE & FILM CORPORATION, Binghamton, N. Y.
Filed January 24, 1940. Serial No. 427,803. PUBLISHED MARCH 19, 1940. Class 26.

378,179. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS. GENERAL ANILINE & FILM CORPORATION, Binghamton, N. Y.
Filed January 24, 1940. Serial No. 427,804. PUBLISHED MARCH 19, 1940. Class 26.

378,180. FLOOR DRESSING. ACME CHEMICAL COMPANY, Milwaukee, Wis.
Filed January 25, 1940. Serial No. 427,829. PUBLISHED MARCH 19, 1940. Class 16.

378,181. BRASSIÈRES. THE LOVABLE BRASSIERE COMPANY, Atlanta, Ga.
Filed January 26, 1940. Serial No. 427,898. PUBLISHED MARCH 12, 1940. Class 39.

378,182. CARPETS, RUGS, AND FABRIC FLOOR COVERINGS. FIFTH CARPET COMPANY, New York, N. Y.
Filed January 30, 1940. Serial No. 428,027. PUBLISHED MARCH 19, 1940. Class 42.

378,183. CARPETS AND RUGS. FIFTH CARPET COMPANY, New York, N. Y.
Filed January 30, 1940. Serial No. 428,028. PUBLISHED MARCH 19, 1940. Class 42.

378,184. CARPETS AND RUGS. FIFTH CARPET COMPANY, New York, N. Y.
Filed January 30, 1940. Serial No. 428,030. PUBLISHED MARCH 19, 1940. Class 42.

378,185. CARPETS, RUGS, AND FABRIC FLOOR COVERINGS. FIFTH CARPET COMPANY, New York, N. Y.
Filed January 30, 1940. Serial No. 428,031. PUBLISHED MARCH 19, 1940. Class 42.

378,186. MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS. KAYLON INC., New York, N. Y.
Filed January 30, 1940. Serial No. 428,036. PUBLISHED MARCH 19, 1940. Class 39.

378,187. RUGS. STITT & HOWELL, INC., New York, N. Y.
Filed January 30, 1940. Serial No. 428,060. PUBLISHED MARCH 19, 1940. Class 42.

378,188. OIL FILTERS AND OIL FILTER CARTRIDGES. KEY MANUFACTURING COMPANY, Fall River, Mass.
Filed February 2, 1940. Serial No. 428,161. PUBLISHED MARCH 19, 1940. Class 31.

378,189. RESILIENT VEHICLE TIRES AND TUBES OF RUBBER OR RUBBER COMPOSITION OR RUBBER AND FABRIC. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed February 3, 1940. Serial No. 428,189. PUBLISHED MARCH 19, 1940. Class 35.

378,190. CARD TABLES. CORDUAN MANUFACTURING COMPANY, Chicago, Ill.
Filed February 5, 1940. Serial No. 428,226. PUBLISHED MARCH 19, 1940. Class 32.

378,191. TOY ANIMAL. LEO T. SIDDALL, Kansas City, Kans.
Filed February 5, 1940. Serial No. 428,261. PUBLISHED MARCH 19, 1940. Class 22.

378,192. GOLF CLUBS. KENNETH SMITH, Lenexa, Kans.
Filed February 5, 1940. Serial No. 428,263. PUBLISHED MARCH 19, 1940. Class 22.

378,193. GOLF CLUBS. KENNETH SMITH, Lenexa, Kans.
Filed February 5, 1940. Serial No. 428,264. PUBLISHED MARCH 19, 1940. Class 22.

378,194. PISTON RINGS. HASTINGS MANUFACTURING COMPANY, Hastings, Mich.
Filed February 7, 1940. Serial No. 428,314. PUBLISHED MARCH 19, 1940. Class 35.

378,195. TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, RAYON FABRICS, FABRICS CONSISTING OF A MIXTURE OF RAYON AND SILK, AND COTTON, WOOLEN, OR LINEN FABRICS. MALLINSON FABRICS CORPORATION, New York, N. Y.
Filed February 7, 1940. Serial No. 428,318. PUBLISHED MARCH 19, 1940. Class 42.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

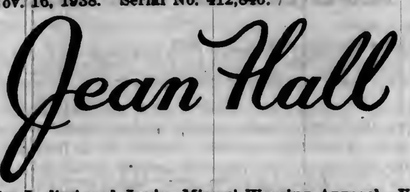
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

378,196. (CLASS 39. CLOTHING.) NATIONAL DRESS COMPANY, St. Louis, Mo. Filed Oct. 4, 1938. Serial No. 411,277.



For Women's and Misses' Dresses.
Claims use since January, 1936.

378,197. (CLASS 39. CLOTHING.) PROCTOR'S, INC., Seattle, Wash., now by change of name Jean Hall, Inc., Seattle, Wash., a corporation of Washington. Filed Nov. 16, 1938. Serial No. 412,846.



For Ladies' and Junior Misses' Wearing Apparel—Viz., Dresses, Coats, Suits, Hats, Outer Skirts, Sweaters, Blouses, Nightgowns, Pajamas, Negligees, Slips, Panties, Brassières, and Dance Sets Consisting of Brassières and Panties.
Claims use since Sept. 17, 1938.

378,198. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) WALTON LABORATORIES, INCORPORATED, Irvington, N. J. Filed Feb. 8, 1939. Serial No. 415,811.

WALTON

For Humidifiers.
Claims use since Jan. 2, 1931.

378,199. (CLASS 39. CLOTHING.) SCHLOSS BROS. & CO. INC., Baltimore, Md. Filed Mar. 8, 1939. Serial No. 416,816.

Kerry Keith

★★ IT'S SMART TO DRESS LIKE THE STARS ★★

For Men's and Women's Wearing Apparel—Namely, Men's Suits, Topcoats, Overcoats, Sport Coats, Sport Trousers, Hats, Coats, and Pants; Dress, Negligee, and Work Shirts; Neckwear—Namely, Neckties, Mufflers, and Scarfs; Shoes of Leather, Rubber, or Fabric or of Combinations of Said Materials; and Women's Sportswear—Namely, Suits and Coats.
Claims use since Apr. 18, 1938.

378,200. (CLASS 39. CLOTHING.) MCCURRACH ORGANIZATION INCORPORATED, New York, N. Y. Filed Apr. 20, 1939. Serial No. 418,493.

CLUNY CLOTH

For Men's Neckties and Mufflers.
Claims use since Apr. 10, 1939.

378,201. (CLASS 32. FURNITURE AND UPHOLSTERY.) SIDNEY HOLLANDER, JR., also doing business as The Hed Bed Company, Baltimore, Md. Filed May 15, 1939. Serial No. 419,424.

Hed Bed

For Folding Stools in the Nature of Head Rests.
Claims use since April 13, 1939.

378,202. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) F. H. WOODRUFF & SONS, INC., Milford, Conn. Filed May 22, 1939. Serial No. 419,697.

Bestlawn

For Lawn Seed Mixtures.
Claims use since October, 1936.

378,203. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) F. H. WOODRUFF & SONS, INC., Milford, Conn. Filed May 22, 1939. Serial No. 419,698.

Central States

For Lawn Seed Mixtures.
Claims use since July, 1936.

378,204. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) F. H. WOODRUFF & SONS, INC., Milford, Conn. Filed May 22, 1939. Serial No. 419,700.

MILFORD BRAND

For Lawn Seed.
Claims use since January, 1932.

378,205. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) F. H. WOODRUFF & SONS, INC., Milford, Conn. Filed May 22, 1939. Serial No. 419,701.

MILFORD GREEN

For Lawn Seed Mixtures.
Claims use since December, 1927.

378,206. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) F. H. WOODRUFF & SONS, INC., Milford, Conn. Filed May 22, 1939. Serial No. 419,704.

Tru-Shade

For Lawn Seed Mixtures.
Claims use since February, 1937.

378,207. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) F. H. WOODRUFF & SONS, INC., Milford, Conn. Filed May 22, 1939. Serial No. 419,705.

Turf-Maker

For Lawn Seed Mixtures.
Claims use since September, 1931.

378,208. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PENN BATTERY MANUFACTURING CO., INC., New York, N. Y. Filed July 3, 1939. Serial No. 421,252.

Pendleton

For Electric Batteries, Battery Leads, Cables, and Connectors.
Claims use since Jan. 27, 1939.

378,209. (CLASS 48. MALT BEVERAGES AND LIQUORS.) HEINEKEN'S ON THE ZUIDERZEE, INC., Brooklyn, N. Y. Filed Sept. 21, 1939. Serial No. 423,810.

HEINEKEN'S ON THE ZUIDERZEE

For Beer.
Claims use since Apr. 14, 1939.

378,210. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITTIER CITRUS ASSOCIATION, Whittier, Calif. Filed Dec. 30, 1939. Serial No. 427,053.

WHITTIER

For Fresh Citrus Fruits.
Claims use since 1900.

378,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNA H. FINK, Brooklyn, N. Y. Filed Jan. 23, 1940. Serial No. 427,752.

HONEY KRISP

For Doughnuts and Pies.
Claims use since November, 1938.

378,212. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EDLUND COMPANY, Burlington, Vt. Filed Jan. 31, 1940. Serial No. 428,070.

Edlund

For Can Openers, Egg Beaters, Jar Openers, Cap Removers and Knife Sharpeners of the Cutting Type.
Claims use since Feb. 1, 1925.

378,213. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARVEY'S FRESH FROZEN FOODS, San Mateo, Calif. Filed Feb. 21, 1940. Serial No. 428,754.

Harvey's

For Bottled Food Sauces—Namely, Barbecue Sauce.
Claims use since Feb. 1, 1939.

378,214. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) CARLOS A. FRIZ, New York, N. Y. Filed Feb. 26, 1940. Serial No. 428,908.

BRAZILIAN

For Onyx.
Claims use since 1933.

378,215. (CLASS 39. CLOTHING.) THE LONDONTONE CO., Oklahoma City, Okla. Filed Feb. 26, 1940. Serial No. 428,921.

Styled by LondonTone

For Men's Dress and Work Shirts, Sweaters, Pajamas, Undershirts, Undershorts, Jackets, Neckties, Handkerchiefs, Hosiery, Belts for Outer Wear, and Suspenders.
Claims use since Dec. 14, 1937.

378,216. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) U. S. EXPANSION BOLT CO., York, Pa. Filed Feb. 29, 1940. Serial No. 429,076.

"CLOSED BACK"

For Expansion Shields.
Claims use since 1920.

378,217. (CLASS 39. CLOTHING.) GIMBEL BROTHERS, INC., New York, N. Y. Filed Mar. 5, 1940. Serial No. 429,223.

Gimbel Bros. Doeluxe

For Men's and Women's Gloves Made of Leather and Fabric and Combinations Thereof, Shoes Made of Leather and Fabric and Combinations Thereof, Hats, Jackets, and Outer Skirts.
Claims use since Feb. 21, 1937.

TRADE-MARK REGISTRATIONS RENEWED

17,812. **LOG CABIN.** MAPLE SIRUP. Registered April 22, 1890. THE TOWLE SYRUP COMPANY, St. Paul, Minn. Re-renewed April 22, 1940, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

18,524. **DYNAMICUT.** PLOWS AND EDGE-TOOLS. Registered October 14, 1890. THE COLLINS COMPANY, Collinsville, Conn., a corporation of Connecticut. Renewed October 14, 1940.

130,111. **A. SIMONSON. CERTAIN NAMED TOILET PREPARATIONS.** Registered April 6, 1920. A. SIMONSON. Renewed April 6, 1940, to Leo B. Simonson, New York, N. Y., successor.

130,167. **CNX. GLASS.** Registered April 13, 1920. CORNING GLASS WORKS. Renewed April 13, 1940, to Corning Glass Works, Corning, N. Y., a corporation of New York, assignee by mesne assignments.

130,238. **FLEXO.** GARTERS, HOSE-SUPPORTERS, AND ARMBANDS. Registered April 13, 1920. A. STEIN & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 13, 1940.

130,464. **BOGALUSA.** ROSIN. Registered April 27, 1920. BOGALUSA TURPENTINE COMPANY, Bogalusa, La. Renewed April 27, 1940, to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland, successor.

130,639. **REPRESENTATION OF A SHIELD, EAGLE AND BEAR.** CANDIES, COCOA, CHOCOLATE, CRACKERS, JAMS, JELLIES, AND PEANUT-BUTTER. Registered May 4, 1920. BISHOP & COMPANY, Los Angeles, Calif. Renewed May 4, 1940, to National Biscuit Company, New York, N. Y., a corporation of New Jersey, assignee.

130,657. **BALBOA.** MEN'S DRESS AND WORK SHIRTS. Registered May 4, 1920. BROWNSTEIN-LOUIS COMPANY, Los Angeles, Calif., a corporation of California. Renewed May 4, 1940.

130,658. **STRONGHOLD OVERSUIT.** OVERALLS. Registered May 4, 1920. BROWNSTEIN-LOUIS COMPANY, Los Angeles, Calif., a corporation of California. Renewed May 4, 1940.

130,673. **REPUBLIC.** HOSIERY. Registered May 4, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed May 4, 1940.

130,677. **COLLIS QUALITY.** POWDERED BUTTERMILK. Registered May 4, 1920. COLLIS PRODUCTS COMPANY, Clinton, Iowa. Renewed May 4, 1940, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

130,690. **BERMAN.** OVERALLS. Registered May 4, 1920. THE CROWN OVERALL MFG. CO., Cincinnati, Ohio, a corporation of Ohio. Renewed May 4, 1940.

130,756. **HOOVER.** ELECTRIC SUCTION-SWEEPERS. Registered May 4, 1920. THE HOOVER SUCTION SWEEPER COMPANY, New Berlin, Ohio. Renewed May 4, 1940, to The Hoover Company, North Canton, Ohio, a corporation of Ohio, assignee.

130,792. **LEE.** WEARING-APPAREL. Registered May 4, 1920. THE H. D. LEE MERCANTILE CO., Salina, Kans., and Kansas City, Mo. Renewed May 4, 1940, to The H. D. Lee Mercantile Co., Kansas City, Mo., a corporation of Kansas.

130,813. **REDENCION.** CIGARS. Registered May 4, 1920. MARCELINO PEREZ & COMPANY, New York, N. Y. Renewed May 4, 1940, to Marcelino Perez & Company, Tampa, Fla., a corporation of Florida, successor.

130,918. **PENNANT.** WATCHES. Registered May 4, 1920. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed May 4, 1940.

130,992. **FONDAX.** ICINGS AND TOPPINGS FOR CERTAIN NAMED FOODS. Registered May 4, 1920. WHITE STOKES CO. INC. Renewed May 4, 1940, to White-Stokes Company, Inc., Chicago, Ill., a corporation of Delaware, assignee.

131,007. **SUMGUD.** PRETZELS, CAKES, CRACKERS, AND BISCUITS. Registered May 4, 1920. YORK PRETZEL BAKERY, York, Pa. Renewed May 4, 1940, to National Biscuit Company, New York, N. Y., a corporation of New Jersey, assignee.

131,066. **LAFAYETTE.** HOSIERY. Registered May 4, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed May 4, 1940.

131,197. **SALTINA.** BISCUIT. Registered May 4, 1920. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed May 4, 1940, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

131,290. **REPRESENTATION OF A BLUE-TOPPED FENCEPOST.** METALLIC FENCEPOSTS. Registered May 11, 1920. CHICAGO STEEL POST COMPANY. Renewed May 11, 1940, to Inland Steel Company, Chicago, Ill., a corporation of Delaware, assignee.

131,386. **WELLMAN.** CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. Registered May 11, 1920. WELLMAN, PECK & CO., San Francisco, Calif., a corporation of California. Renewed May 11, 1940.

131,398. **APEX.** WRITING, PRINTING, AND WRAPPING PAPERS AND MAILING-ENVELOPS. Registered May 18, 1920. AMERICAN PAPER EXPORTS, INC., New York, N. Y., a corporation of New York. Renewed May 18, 1940.

131,473. **FICO.** INSECTICIDES. Registered May 18, 1920. JOHN G. GROSSENBACHER. Renewed May 18, 1940, to Florida Insecticide Company, Apopka, Fla., a corporation of Florida, assignee by mesne assignments.

131,567. **RAINIER.** BIRCH-BEER, ROOT-BEER, SARSAPARILLA, GINGER-ALE, SODA-WATER OF VARIOUS FLAVORS, AND CIDER. Registered May 18, 1920. RAINIER PRODUCTS COMPANY, Seattle, Wash. Renewed May 18, 1940, to Rainier Brewing Company, San Francisco, Calif., a corporation of California, assignee by mesne assignments.

131,777. **HOUGHTON'S REFRIGERANT BASE.** OIL COMPOUND USED IN THE CUTTING AND SHAPING OF METALS AND AS A RUST-PREVENTIVE. Registered May 25, 1920. E. F. HOUGHTON & CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 25, 1940.

131,829. **SERVICE.** WOOL KNITTING YARN. Registered May 25, 1920. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed May 25, 1940.

131,913. **LONG-BELL.** FINISHED AND UNFINISHED LUMBER—NAMELY, TIES, TIMBERS, BOARDS, AND PLANKS. Registered May 25, 1920. THE LONG-BELL LUMBER COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed May 25, 1940.

132,114. **DIPPER.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered June 15, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed June 15, 1940.

132,170. **IT BEATS.** ELECTRIC SUCTION-SWEEPERS. Registered June 15, 1920. THE HOOVER SUCTION SWEEPER CO. Renewed June 15, 1940, to The Hoover Company, North Canton, Ohio, a corporation of Ohio, assignee.

132,331. **WANDERER.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered June 22, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed June 22, 1940.

132,332. **WOOD NYMPH.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered June 22, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed June 22, 1940.

132,333. **SKIPPER.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered June 22, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed June 22, 1940.

132,334. **DOLLY MADISON.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered June 22, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed June 22, 1940.

132,335. **ANGELUS.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered June 22, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed June 22, 1940.

132,380. **GAGE.** LADIES' HATS. Registered June 22, 1920. GAGE BROTHERS & COMPANY. Renewed June 22, 1940, to Gage Brothers & Company, Chicago, Ill., a corporation of Illinois, by merger.

132,628. **FORT SACKVILLE.** TABLE-SYRUP. Registered June 29, 1920. JOHN S. BIERHAUS. Renewed June 29, 1940, to E. Bierhaus & Sons, Vincennes, Ind., a partnership, assignee.

132,723. **JOHNNY APPETITE.** CHEESE OF VARIOUS KINDS OR TYPES. Registered June 29, 1920. J. L. KRAFT & BROS. CO. Renewed June 29, 1940, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

132,750. **PONDEROSA.** BISCUIT. Registered June 29, 1920. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed June 29, 1940, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

132,752. **SOLARA.** BISCUIT. Registered June 29, 1920. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed June 29, 1940, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

132,753. **TRITON.** BISCUIT. Registered June 29, 1920. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed June 29, 1940, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

132,835. **GREEN FRONT STORES.** CERTAIN NAMED FOODS AND INGREDIENTS OF FOOD. Registered June 29, 1920. JOHN R. THOMPSON CO., Chicago, Ill., a corporation of Illinois. Renewed June 29, 1940.

132,935. **ANCHOR.** COFFEE, TEA, SPICES, MUSTARD, SALAD-OIL, PEANUT-BUTTER, SALAD-DRESSING, AND FLAVORING EXTRACTS FOR FOODS. Registered July 6, 1920. DAVID G. EVANS COFFEE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed July 6, 1940.

132,974. **O K.** ROPE, CORD, TWINE, AND BINDER-TWINE. Registered July 6, 1920. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed July 6, 1940.

133,046. **HAPPY HOME.** HOUSE OR APRON DRESSES. Registered July 6, 1920. STERLING MANUFACTURING COMPANY. Renewed July 6, 1940, to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

133,275. **ANY HOUR.** WOMEN'S, MISSES', AND CHILDREN'S DRESSES. Registered July 20, 1920. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed July 20, 1940.

133,291. **NATIONAL.** FILING-CABINETS, PARTICULARLY OF THE TYPE KNOWN AS CREDIT-FILES FOR THE FILING OF CUSTOMERS' ACCOUNTS, AND PARTS OF SUCH CABINETS. Registered July 20, 1920. THE NATIONAL CASH REGISTER COMPANY. Renewed July 20, 1940, to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland, assignee.

133,331. **YANKS.** CIGARETTES. Registered July 20, 1920. TOBACCO PRODUCTS CORPORATION. Renewed July 20, 1940, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

133,457. **PRUDENCE PENNY.** NEWSPAPER-SECTIONS. Registered July 27, 1920. LOS ANGELES EXAMINER. Renewed July 27, 1940, to Hearst Publications, Incorporated, Los Angeles, Calif., a corporation of California, successor.

133,594. **BROWN & ZORTMAN MACHINERY CO.** CERTAIN NAMED MACHINERY AND TOOLS AND PARTS THEREOF. Registered August 3, 1920. BROWN & ZORTMAN MACHINERY COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed August 3, 1940.

133,614. **CLELOCK.** FAUCETS, MANUALLY-OPERABLE VALVES, AND COCKS. Registered August 3, 1920. THE CLEVELAND BRASS MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed August 3, 1940.

133,672. **REGINA.** HAIR-NETS. Registered August 3, 1920. S. GLEMBY, INC. Renewed August 3, 1940, to The Glemby Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

133,674. **SOPHIA.** HAIR-NETS. Registered August 3, 1920. S. GLEMBY, INC. Renewed August 3, 1940, to The Glemby Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

133,888. **ABRASIVE.** GRINDING AND POLISHING WHEELS. Registered August 10, 1920. ABRASIVE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed August 10, 1940.

134,008. **ELKHORN.** CHEESE. Registered August 10, 1920. J. L. KRAFT & BROS. CO., Chicago, Ill., and New York, N. Y. Renewed August 10, 1940, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

134,048. **HALO.** WHEAT-FLOUR. Registered August 10, 1920. OMAHA FLOUR MILLS CO. Renewed August 10, 1940, to Omar Incorporated, Omaha, Nebr., a corporation of Delaware, assignee.

134,049. **MYSTERY.** WHEAT-FLOUR. Registered August 10, 1920. OMAHA FLOUR MILLS CO. Renewed August 10, 1940, to Omar Incorporated, Omaha, Nebr., a corporation of Delaware, assignee.

134,103. **GOLD CRUST.** BREAD. Registered August 10, 1920. JOHN R. THOMPSON CO., Chicago, Ill., a corporation of Illinois. Renewed August 10, 1940.

134,349. **COLLIS.** POWDERED BUTTERMILK. Registered August 31, 1920. COLLIS PRODUCTS COMPANY, Clinton, Iowa. Renewed August 31, 1940, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

134,423. **RED FERN.** WHEAT-FLOUR. Registered August 31, 1920. OMAHA FLOUR MILLS CO. Renewed August 31, 1940, to Omar Incorporated, Omaha, Nebr., a corporation of Delaware, assignee.

134,641. **FAIR MAID.** CHILDREN'S AND MISSES' UNDERGARMENTS. Registered September 14, 1920. THE FAIR MAID UNDERGARMENT CO. Renewed September 14, 1940, to Abraham Krumbein, doing business as The Fair Maid Undergarment Co., New York, N. Y., assignee.

134,891. **FENASPIRIN.** AN ANALGESIC AND ANTIPYRETIC. Registered September 21, 1920. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed September 21, 1940.

134,892. **FENASPIRINA.** AN ANALGESIC AND ANTIPYRETIC. Registered September 21, 1920. THE BAYER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed September 21, 1940.

134,895. **STANDARD B & P.** BLANK BOOKS, PADS, AND TABLETS. Registered September 21, 1920. BOORUM & PEASE CO., New York, N. Y. Renewed September 21, 1940, to Boorum & Pease Company, Brooklyn, N. Y., a corporation of New York.

135,216. **CECO.** CERTAIN NAMED SPRAY SYSTEMS, ATOMIZERS, PUMPS, PRIMING SYSTEMS, VACUUM-EVAPORATORS AND VALVES. Registered September 28, 1920. CHEMICAL EQUIPMENT COMPANY, Chicago, Ill. Renewed September 28, 1940, to Chemical Equipment Corporation, Montpelier, Ind., a corporation of Indiana, assignee by mesne assignments.

135,404. **BULLARD.** MACHINE-TOOLS—NAMELY, VERTICAL TURRET-LATHES, MULTIPLE-SPINDLE MACHINES, BORING AND TURNING MILLS, AND LATHES. Registered October 12, 1920. THE BULLARD COMPANY. Renewed October 12, 1940, to The Bullard Machine Tool Co., Bridgeport, Conn., a corporation of Connecticut, assignee.

135,420. **BILLYKID.** CHILDREN'S SHOES COMPOSED WHOLLY OF LEATHER, FABRIC, OR A COMBINATION OF LEATHER AND FABRIC. Registered October 12, 1920. CRADDOCK-TERRY COMPANY. Renewed October 12, 1940, to Craddock-Terry Shoe Corporation, Lynchburg, Va., a corporation of Virginia, assignee.

135,428. **WHITE ROSE.** LARD. Registered October 12, 1920. JACOB DOLD PACKING CO. Renewed October 12, 1940, to Dold Packing Corporation, Buffalo, N. Y., a corporation of New York, assignee.

135,459. **REPRESENTATION OF A HEART.** GAS AND OIL HOT-WATER HEATERS. Registered October 12, 1920. HOLYOKE HEATER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed October 12, 1940.

135,480. **HYGIENOL.** PAPER TOWELS. Registered October 12, 1920. MAURICE LEVY, New York, N. Y. Renewed October 12, 1940, to Hygienol Company, Inc., New Rochelle, N. Y., a corporation of New York, assignee.

135,491. **MY-KROBA.** ANTISEPTICS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Registered October 12, 1920. THE MICROBA ANTISEPTIC COMPANY. Renewed October 12, 1940, to Gilbert Moskau, Grand Forks, N. Dak., successor.

135,494. **HEART.** BREAKFAST-BACON. Registered October 12, 1920. JOHN MORRELL & CO., Ottumwa, Iowa, a corporation of Maine. Renewed October 12, 1940.

135,521. **LINSPUN.** HANDKERCHIEFS. Registered October 12, 1920. ROBINSON & GOLLUBER, New York, N. Y., a firm. Renewed October 12, 1940.

LABELS

REGISTERED MAY 28, 1940

54,783.—*Title:* DIBB'S. For Beer. BETHUHL BREWING CO., Bethlehem, Pa. Published April 22, 1940.

54,784.—*Title:* SEWANEE. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published April 16, 1940.

54,785.—*Title:* SHOE CLEANER. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published April 12, 1940.

54,786.—*Title:* COLONIAL BARN & SILO PAINT. For a Barn and Silo Paint. COLONIAL WORKS, Brooklyn, N. Y. Published April 26, 1940.

54,787.—*Title:* DAVIDSON'S ANTI-ITCH CREAM. For an Anti-Itch Cream. ABE DAVIDSON, doing business as Magic Cream Co., New York, N. Y. Published April 29, 1940.

54,788.—*Title:* FLUSH THE SCIENTIFIC BOILER CLEANING COMPOUND. For a Boiler Cleaning Compound. DIAMOND BOILER SERVICE DIVISION OF DIAMOND CHEMICAL PRODUCTS, New York, N. Y. Published March 25, 1940.

54,789.—*Title:* DUDENHOEFER AMERICAN MAY WINE. For May Wine. JOSEPH DUDENHOEFER CO., Milwaukee, Wis. Published March 1, 1940.

54,790.—*Title:* PHYL-ANN. For Hair Nets. GEORGE EDELMAN CO., New York, N. Y. Published December 16, 1939.

54,791.—*Title:* THE WORDMASTER GAME. For a Game. FUNMASTERS CORP., New York, N. Y. Published April 8, 1940.

54,792.—*Title:* GEFILTE-FISH. For Canned Fish. GEFILTE FISH PACKING INC., Boston, Mass. Published February 20, 1939.

54,793.—*Title:* DAIRYCREST ICE CREAM. For Ice Cream. GORTON ICE CREAM COMPANY, doing business as Dairycrest Ice Cream, Woodbridge, N. J. Published March 1, 1940.

54,794.—*Title:* OL' FASHUN FAMILY STYLE NOODLE SOUP. For Noodle Soup Mixture. GREEN BAY FOOD COMPANY, Green Bay, Wis. Published March 8, 1940.

54,795.—*Title:* GAS-ODA. For an Antacid. HANCE BROTHERS AND WHITE CO., Philadelphia, Pa. Published February 19, 1940.

54,796.—*Title:* ARMAND FOOTWEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 14, 1940.

54,797.—*Title:* BREEZEES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 3, 1940.

54,798.—*Title:* ENTERPRISE STORES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 3, 1940.

54,799.—*Title:* FEATHER ARCH SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 16, 1940.

54,800.—*Title:* FLEXIBLE COMPO WELTS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 31, 1940.

54,801.—*Title:* HIAWATHA INDIAN MOCCASINS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 22, 1940.

54,802.—*Title:* LADY ELINOR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 3, 1940.

54,803.—*Title:* LADY RITA. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 19, 1940.

54,804.—*Title:* MARY ANN. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 1, 1940.

54,805.—*Title:* NANCY LEE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 11, 1940.

54,806.—*Title:* OPERA STAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 5, 1940.

54,807.—*Title:* PAIR-O-PALS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 11, 1940.

54,808.—*Title:* PAUL'S. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 3, 1940.

54,809.—*Title:* STYLED BY CLARICE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 12, 1940.

54,810.—*Title:* THEY SEE THE BOX FIRST. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 7, 1940.

54,811.—*Title:* THEY SEE THE BOX FIRST. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 9, 1940.

54,812.—*Title:* TROJAN TRAMPERS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 12, 1940.

54,813.—*Title:* UTILITY COMFORT SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 5, 1940.

54,814.—*Title:* WA-HOO-MOCS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 17, 1940.

54,815.—*Title:* WHITNEY'S. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 3, 1940.

54,816.—*Title:* "MIAMI" KNOCKABOUTS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 26, 1940.

54,817.—*Title:* "DOG-ON" MATCHES. For Matches. DAVID HOFFMAN, doing business as Hoffman Studios, New York, N. Y. Published December 27, 1939.

54,818.—*Title:* ALA KAPU PERFUME. For Perfume. HULA-LEI LIMITED, Honolulu, Territory of Hawaii. Published June 15, 1939.

54,819.—*Title:* HALA PERFUME. For Perfume. HULA-LEI LIMITED, Honolulu, Territory of Hawaii. Published June 15, 1939.

54,820.—*Title:* IPO PERFUME. For Perfume. HULA-LEI LIMITED, Honolulu, Territory of Hawaii. Published June 15, 1939.

54,821.—*Title:* KOLOHE PERFUME. For Perfume. HULA-LEI LIMITED, Honolulu, Territory of Hawaii. Published June 15, 1939.

54,822.—*Title:* NANI PERFUME. For Perfume. HULA-LEI LIMITED, Honolulu, Territory of Hawaii. Published June 15, 1939.

54,823.—*Title:* PUALANI PERFUME. For Perfume. HULA-LEI LIMITED, Honolulu, Territory of Hawaii. Published June 15, 1940.

54,824.—*Title:* HENNY PENNY EGGS. For Eggs. WM. KIRCHER, doing business as North Hollywood Egg Farms, North Hollywood, Calif. Published May 1, 1939.

54,825.—*Title:* LORD & TAYLOR. For Footwear. FRANK C. MEYER CO. INC., New York, N. Y. Published March 14, 1940.

54,826.—*Title:* BELLAPADRIN WITH ASPIRIN. For Capsules to Aid in Relieving Nasal Blockage, Sneezing, and Headaches. MORTEN LABORATORIES, INC., Dallas, Tex. Published February 24, 1940.

54,827.—*Title:* DAWN FRESH. For Frosted Fish Fillets. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Published June 1, 1939.

54,828.—*Title:* DAWN FRESH. For Green Lima Beans. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Published June 1, 1939.

54,829.—*Title:* THAT GOOD BREAD. For Bread. NEW ENGLAND BAKERY, Pawtucket, R. I. Published June 12, 1939.

54,830.—*Title:* THAT GOOD BREAD. For Bread. NEW ENGLAND BAKERY, Pawtucket, R. I. Published June 12, 1939.

54,831.—*Title:* GRAND TIME. For Straight Bourbon Whiskey. PENNSYLVANIA DISTILLING CO., INC., Philadelphia, Pa. Published April 16, 1940.

54,832.—*Title:* EXTRA DRY PILSENER BEER. For Beer. PILSER BREWING COMPANY, INC., New York, N. Y. Published January 6, 1940.

54,833.—*Title:* ROGERS IDAHO POTATO SHREDS. For Potato Shreds for Making Mashed Potato. ROGERS BROTHERS SEED COMPANY, INC., Chicago, Ill. Published October 1, 1939.

54,834.—*Title:* AGARIN BREAD. For Bread. RYAN MILLING COMPANY, Buffalo, N. Y. Published March 29, 1940.

54,835.—*Title:* AGARIN FLOUR MIXTURE. For a Flour Mixture. RYAN MILLING COMPANY, Buffalo, N. Y. Published March 29, 1940.

54,836.—*Title:* EL PODERSO. For Cigars. GEORGE SCHAFER-H. C. PFAFF CIGAR COMPANY, Baltimore, Md. Published April 1, 1940.

54,837.—*Title:* NOV-ORA MOUTH WASH. For a Mouth Wash. LAWRENCE J. SCHOENBECHLER, doing business as J. & S. Pharmacal Company, Omro, Wis. Published February 15, 1940.

54,838.—*Title:* SILVER CUP DRAFT ROOT BEER. For Draft Root Beer. SILVER CUP BEVERAGE COMPANY, Chicago, Ill. Published March 30, 1940.

54,839.—*Title:* TENDER LEAF. For Tea Balls. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 16, 1940.

54,840.—*Title:* TENDER LEAF. For Tea Balls. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 15, 1940.

54,841.—*Title:* KOIN KADDY. For Coin Purses. SWANSON MANUFACTURING COMPANY, Chicago, Ill. Published March 31, 1939.

54,842.—*Title:* HINDU MAGIC TRANSFER PASTE. For Paste. FRANCIS S. THOMAS, Trenton, Mich. Published December 16, 1939.

54,843.—*Title:* "BLACK LEAF" WORM PELLETS. For a Scientifically Prepared Dry Compound of Nicotine That is Both Tasteless and Odorless for Control of Poultry Roundworm (Ascaridia Lineata). TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published March 13, 1940.

54,844.—*Title:* MASH-NIC. For Nicotized Powder for Use in Flock Feeds for Control of Roundworm (Ascaridia Lineata). TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION INCORPORATED, Louisville, Ky. Published April 8, 1940.

54,845.—*Title:* NICO-FUME TOBACCO-PAPER INSECTICIDE. For Tobacco-Paper Insecticide for Fumigating Greenhouses. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published January 31, 1940.

54,846.—*Title:* NICO-FUME TOBACCO-PAPER INSECTICIDE. For Tobacco-Paper Insecticide for Fumigating Greenhouses. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published January 31, 1940.

54,847.—*Title:* TOVAR. For Varnish. THE TOVAR CORPORATION, St. Petersburg, Fla. Published March 4, 1940.

54,848.—*Title:* TOVAR. For Varnish. THE TOVAR CORPORATION, St. Petersburg, Fla. Published March 4, 1940.

54,849.—*Title:* TOVAR. For Varnish. THE TOVAR CORPORATION, St. Petersburg, Fla. Published March 4, 1940.

54,850.—*Title:* TOVAR. For Varnish. THE TOVAR CORPORATION, St. Petersburg, Fla. Published March 4, 1940.

54,851.—*Title:* CARMEL BRAND KOSHER BRICK CHEESE. For Brick Cheese. U. S. ALASKA HERRING CO., INC., Chicago, Ill. Published April 16, 1940.

54,852.—*Title:* CARMEL BRAND KOSHER MUENSTER CHEESE. For Cheese. U. S. ALASKA HERRING CO., INC., Chicago, Ill. Published April 16, 1940.

54,853.—*Title:* UNION STOP-FREEZE. For an Anti-Freeze Compound. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Published August 15, 1939.

54,854.—*Title:* VOGT'S JELLIED PIG'S FEET. For Jellied Pig's Feet. F. G. VOGT & SONS, INCORPORATED, Philadelphia, Pa. Published April 15, 1940.

54,855.—*Title:* WARD'S GOLDEN POUND CAKE. For Pound Cake. WARD BAKING COMPANY, New York, N. Y. Published April 5, 1940.

54,856.—*Title:* WARD'S RAISIN POUND CAKE. For Raisin Pound Cake. WARD BAKING COMPANY, New York, N. Y. Published April 5, 1940.

54,857.—*Title:* ½ WHITE ½ WHEAT SLICED BREAD. For Half White and Half Wheat Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published April 22, 1940.

54,858.—*Title:* WHEAT BREAD SLICED. For Wheat Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published April 22, 1940.

PRINTS

REGISTERED MAY 28, 1940

17,977.—*Title:* A TERRIFIC SCOOP. For Combination Toaster and Jam Sets. ATLAS NOVELTY COMPANY, Chicago, Ill. Published April 23, 1940.

17,978.—*Title:* WHERE YOU CAN ALWAYS SHOP TO ADVANTAGE. For Household Furnishings, Lamps, Electrical Appliances, and Household Appliances. AXELRAD'S FURNITURE AND CARPETS, Salt Lake City, Utah. Published April 14, 1940.

17,979.—*Title:* PURE LEMON JUICE. For Lemon Juice. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Published January 17, 1940.

17,980.—*Title:* A PERFECT SCORE. For Ale and Beer. HAMPDEN BREWING COMPANY, Willimansett, Mass. Published April 1, 1940.

17,981.—*Title:* MARBLE FUDGE. For Marble Fudge Ice Cream. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Published April 5, 1940.

17,982.—*Title:* NOT FOR PAY BUT THROUGH DOWNRIGHT DEVOTION TO THIS PEN. For Pens, Pencils and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published April 27, 1940.

17,983.—*Title:* COMBINATION-CLARET-PUNCH AND WINE SPARKLER DISPENSER. For Wine Dispensing Units. ALBERT EDW. SMALLHOUSE, Bakersfield, Calif. Published March 28, 1940.

17,984.—*Title:* THE ALL AMERICAN WAY TO BIGGER SALES SLIPS! For Handkerchiefs. SOUTHERN HANDKERCHIEF MFG CO., Greenville, S. C. Published April 3, 1940.

17,985.—*Title:* RETAIL ADVERTISING CUT SERVICE. For Handkerchiefs. SOUTHERN HANDKERCHIEF MFG Co., Greenville, S. C. Published April 18, 1940.

17,986.—*Title:* JUNIOR TASTYKAKE. For Cake. TASTY BAKING COMPANY, Philadelphia, Pa. Published April 15, 1940.

REISSUES

MAY 28, 1940

21,462

REMOTE CONTROL DEVICE

Lloyd J. Andres, Chicago, Ill.

Original No. 2,167,661, dated July 25, 1939, Serial No. 215,653, June 24, 1938. Application for reissue March 11, 1940, Serial No. 324,353

3 Claims. (Cl. 179—6.3)



1. A coin controlled reproducer system for selectively playing and selectively delivering at remote stations a selected record from a repertoire comprising, in combination, a reproducer and selective record changer, a plurality of individual isolated coin controlled selective sound distributors and controllers adapted to initiate the selection of any of said records, circuits to electrically deliver, isolate, and control said rendition at the place of said isolated initiation, said isolated sound distributor and controller comprising a selector means, a coin controlled initiating mechanism, a loud speaker, a circuit network connecting said isolated selective distributors and controllers with the responsive circuits of said reproducer and record changer and a series circuit in the coin controlled selective distributor connecting the said selector means and the coin operated mechanism.

21,463

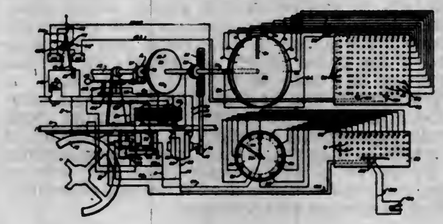
CONTROL APPARATUS FOR RADIO RECEIVING SETS

Robert B. Foster, Los Angeles, Calif., assignor to John B. Smiley, Los Angeles, Calif.

Original No. 2,075,809, dated April 6, 1937, Serial No. 687,217, August 28, 1933. Application for reissue February 15, 1938, Serial No. 190,640

16 Claims. (Cl. 250—20)

1. In a control apparatus of the class described, a tuning element, an electric motor for operating the same, an electric circuit for the motor, an electrically operated switch in the circuit, a selective time control switch means having spaced contacts, a selective tuning control switch means having spaced contacts corresponding with substantially all of the station positions of the tuning element, a switch board having two sets of jacks, one set being fixedly connected to the first contacts, one jack to each of the first contacts, and the other set being fixedly connected to the second contacts, one jack to each of the second contacts, all of said jacks being accessible at all times, and means for variously and selectively connecting certain of the jacks



of the other set, both of said switch means being thereby connected in series with the first switch for operating said motor a predetermined amount at a predetermined time.

21,464

CONVERSION OF HYDROCARBONS

Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Original No. 2,124,583, dated July 26, 1938, Serial No. 103,393, September 30, 1936. Application for reissue September 15, 1939, Serial No. 295,107

8 Claims. (Cl. 260—668)

5. A process for the production of aromatic hydrocarbons from aliphatic hydrocarbons of from six to twelve carbon atoms, which comprises dehydrogenating and cyclicizing the aliphatic hydrocarbon by subjection to a temperature of the order of 400 to 700° C., for a time period of less than 50 seconds but sufficient to dehydrogenate and cyclicize the aliphatic hydrocarbon, in the presence of a compound of a metal from the left hand column of group IV of the periodic table and selected from the class consisting of titanium, zirconium, cerium, hafnium and thorium.

21,465

CONVERSION OF HYDROCARBONS

Jacque C. Morrell and Aristid V. Grosse, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Original No. 2,124,584, dated July 26, 1938, Serial No. 103,394, September 30, 1936. Application for reissue September 15, 1939, Serial No. 295,108

8 Claims. (Cl. 260—668)

5. A process for the production of aromatic hydrocarbons from aliphatic hydrocarbons of from six to twelve carbon atoms, which comprises dehydrogenating and cyclicizing the aliphatic hydrocarbon by subjection to a temperature of the order of 400 to 700° C., for a time period of less than 50 seconds but sufficient to dehydrogenate and cyclicize the aliphatic hydrocarbon, in the presence of a compound of a metal from the left hand column of group V of the periodic table and selected from the class consisting of vanadium, columbium and tantalum.

21,466

CONVERSION OF HYDROCARBONS

Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Original No. 2,124,585, dated July 26, 1938, Serial No. 105,713, October 15, 1936. Application for reissue September 15, 1939, Serial No. 295,110

8 Claims. (Cl. 260—668)

5. A process for the production of aromatic hydrocarbons from aliphatic hydrocarbons of from six to twelve carbon atoms, which comprises dehydrogenating and cyclicizing the aliphatic hydrocarbon by subjection to a temperature of the order of 400 to 700° C., for a time period of less than 50 seconds but sufficient to dehydrogenate and cyclicize the aliphatic hydrocarbon, in the presence of an aluminum oxide catalyst containing a relatively small amount of an oxide of a metal from the left hand column of Group IV of the periodic table and selected from the class consisting of titanium, zirconium, cerium, hafnium and thorium.

21,467

CONVERSION OF HYDROCARBONS

Jacque C. Morrell and Aristid V. Grosse, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Original No. 2,124,586, dated July 26, 1938, Serial No. 105,715, October 15, 1936. Application for reissue September 15, 1939, Serial No. 295,111

8 Claims. (Cl. 260—668)

5. A process for the production of aromatic hydrocarbons from aliphatic hydrocarbons of from six to twelve carbon atoms, which comprises dehydrogenating and cyclicizing the aliphatic hydrocarbon by subjection to a temperature of the order of 400 to 700° C., for a time period of less than 50 seconds but sufficient to dehydrogenate and cyclicize the aliphatic hydrocarbon, in the presence of an aluminum oxide catalyst containing a relatively small amount of an oxide of a metal from the left hand column of group V of the periodic table and selected from the class consisting of vanadium, columbium, and tantalum.

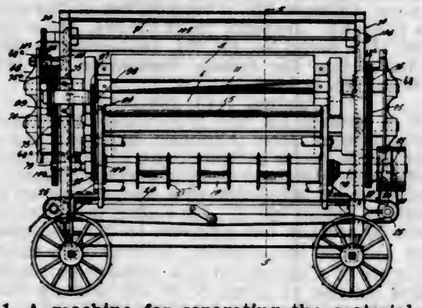
21,468

FIBER SEPARATING MACHINE

David E. Patterson, Philadelphia, Pa., assignor to Consolidated Fibre Products, Limited, a corporation of the Bahama Islands

Original No. 2,079,661, dated May 11, 1937, Serial No. 594,070, February 19, 1932. Application for reissue August 9, 1938, Serial No. 223,994

13 Claims. (Cl. 19—30)



1. A machine for separating the material in plant stems comprising feed rollers, and vibratory means for bending the stems at intervals to break open the outside part thereof, supplemental means for removing the pithy interior parts of the stems from the outside fibrous parts, said last-mentioned means comprising a pair of rotary assemblies, each provided with a plurality of longitudinally spiral and individually rotatable blades.

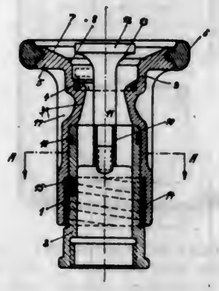
21,469

JET PIPE FOR FIRE EXTINGUISHING PURPOSES WITH A WIDENING MOUTHPIECE

Paul Stein, deceased, late of Moser, near Magdeburg, Germany, by Elisabeth Stein, heir, Moser, near Magdeburg, Germany

Original No. 2,089,304, dated August 10, 1937, Serial No. 42,043, September 25, 1935. Application for reissue July 22, 1939, Serial No. 286,036

10 Claims. (Cl. 299—131)



7. In a jet pipe nozzle: a cylinder; an end piece mounted on the cylinder for longitudinal adjustment thereon, said end piece being provided with a flaring outlet, a substantially cylindrical passageway behind the outlet, and an annular interior restriction, back of the cylindrical passageway, forming a shoulder; and a baffle member with an enlarged circular head and a supporting shank attached to said cylinder; whereby, by relative longitudinal adjustment of said cylinder with respect to said end piece, the head of said shank may be moved to a position in said cylindrical passageway to give a straight stream, or moved out into said flaring outlet to give a widely divergent spray.

21,470

STORAGE AND DISPENSING APPARATUS FOR LIQUEFIED GAS

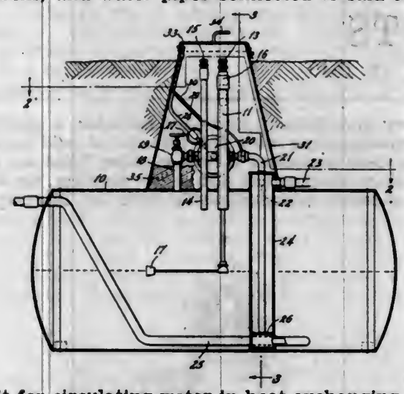
Loyd J. White, San Antonio, Tex., assignor to Southern Steel Company, a corporation of Texas

Original No. 2,042,439, dated May 26, 1936, Serial No. 42,337, September 26, 1935. Reissue No. 20,624, dated January 11, 1938, Serial No. 170,133, October 20, 1937. This application for reissue February 23, 1940, Serial No. 320,516

16 Claims. (Cl. 62—1)

1. In a liquefied gas storage and dispensing plant of the class described, a storage tank; dispensing means connected to the tank for delivering gas at a low pressure therefrom; a service pipe leading from said dispensing means having a portion projecting into said tank; a water conduit around said pipe within the tank providing a heat exchanger for revaporizing condensed gas

therein; and water pipes connected to said con-



duit for circulating water in heat exchanging relation to liquefied gas in the tank.

21,471

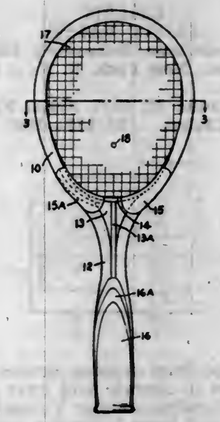
COLORING OF BENT WOOD PRODUCTS

William C. Whyte, Cortland, N. Y., assignor to Cortland Line Company, Inc., Cortland, N. Y., a corporation of New York

Original No. 2,147,587, dated February 14, 1939, Serial No. 144,600, May 25, 1937. Application for reissue March 27, 1940, Serial No. 326,301

9 Claims. (Cl. 273—73)

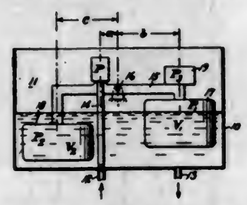
1. A laminated wooden frame assembled to include nested plies of one and the same species of wood that are bent into a common arcuate shape and glued together into a unitary structure of which certain plies are dye impregnated in distinctive artificial colors prior to the gluing thereof and whereby ply rigidity is augmented with respect to the similar property originally possessed by such undyed wood species.



PATENTS

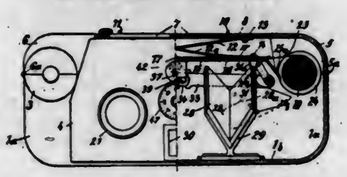
GRANTED MAY 28, 1940

2,201,974
FLOAT VALVE
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application June 22, 1937, Serial No. 149,591
5 Claims. (Cl. 137—104)



1. In a liquid level sensing device, a lever, a float connected to operate said lever and having a desired submersion volume V', and a member connected to said lever to oppose said float and having a submersion volume V^2, where V^2 is equal to V' multiplied by the mechanical advantage relative to said float.

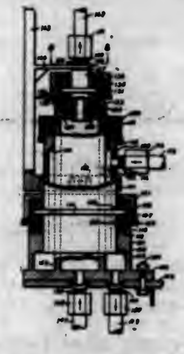
2,201,975
STEREOCAMERA
Robert Anderle, Berlin-Tempelhof, Germany
Application May 4, 1939, Serial No. 271,709
In Germany April 8, 1938
26 Claims. (Cl. 95—18)



1. In a stereocamera, a camera casing, a pair of parallelly spaced optical exposure systems, means for supplying an unexposed photographic strip, means for receiving the exposed portions of said photographic strip, means for guiding the said strip in a plane substantially parallelly spaced from the connecting plane between the axes of said optical exposure systems, and means by which the bundles of light rays entering through said optical exposure systems are deflected towards said photographic strip.

2,201,976
HYDRAULIC SWIVEL CONNECTOR
George E. Barnhart, Pasadena, Calif.
Original application January 10, 1938, Serial No. 184,232, now Patent No. 2,135,959, dated November 8, 1939. Divided and this application April 27, 1938, Serial No. 204,593
5 Claims. (Cl. 285—9)

1. In a pressure hydraulic swivel connector, a fixed base having an upwardly extending cylinder thereon, a sleeve member in said cylinder, an anti-friction bearing means in said cylinder to support said sleeve member, said sleeve member including a lower portion opening through the lower end thereof into said cylinder, a conduit communicating with the interior of said sleeve, said base including a hollow pillar fixed on the base and disposed in said sleeve member, an outlet member communicating with the interior of



said pillar, anti-friction means on said pillar for supporting said outlet member, said base, including an inlet conduit communicating with the interior of said pillar and an outlet conduit communicating with the interior of said cylinder.

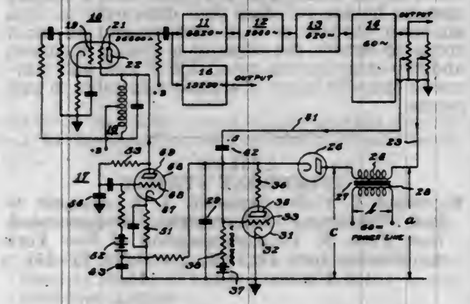
2,201,977
MECHANICAL MOVEMENT
George E. Barnhart, Pasadena, Calif.
Application June 21, 1938, Serial No. 214,894
3 Claims. (Cl. 74—107)



1. In a device of the class described, a support having a cylindrical bore, a rod mounted in said bore for reciprocating movement, means to prevent rotation of said rod, said means including diametrically opposed radial slots extending inwardly from the outside of said support, a key in each of said slots, said keys having inwardly projecting ends and said rod having straight axially extending peripheral keyways receiving the ends of said keys, means removably secured on the exterior of said support engaging said keys to prevent outward displacement thereof, said rod having spirally arranged outwardly opening keyways therein, a sleeve member having an internal bore and receiving said rod, said sleeve member having diametrically arranged radial slots therethrough, said slots being inclined at an angle to the axis of said sleeve; keys extending through the slots in said sleeve member, said keys having inner ends fitting the spiral keyways in said rod, a housing about said sleeve member and engaging the outer ends of said sleeve member keys to hold the latter in place, means to secure said housing to said sleeve whereby the housing rotates with the sleeve, and an operating arm on said housing.

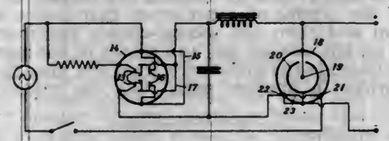
2,201,978
FREQUENCY CONTROL CIRCUITS
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 26, 1938, Serial No. 237,052
10 Claims. (Cl. 250—36)

1. In a control circuit for maintaining the output of an oscillator in a fixed time relation to a source supplying an output at a controlling frequency, a condenser across which there is to appear a controlling voltage, a rectifier, means for adding said outputs to produce a composite wave, means for charging said condenser through said rectifier by said composite wave, a discharging circuit connected across said condenser which circuit is substantially an open circuit until acted



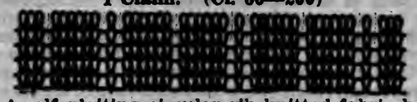
upon by a control means, and a control means for making said discharge circuit effective to discharge said condenser periodically and only during the period said composite wave is of maximum amplitude.

2,201,979
CONSTANT VOLTAGE RECTIFIER CIRCUIT
Alfred Christie, Washington Grove, Md., assignor to Henry A. Wallace as Secretary of Agriculture of the United States of America, and his successors in office
Application May 2, 1938, Serial No. 205,517
1 Claim. (Cl. 175—363)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A constant voltage rectifier consisting of an output circuit and an input circuit in combination with a thermionic valve tube, said tube having twin cathodes mutually connected exterior to said tube, twin diodes mutually connected exterior to said tube, and a filament circuit energizable by said input circuit through a line cord resistor; a glow discharge tube and a condenser in parallel with said output circuit and a choke coil in series with said output circuit between said condenser and said glow discharge tube, whereby said glow discharge tube is maintained and insured with a safe operating current above its extinction potential, that part of the circuit between the glow discharge tube and the load of the circuit being shuntless and non-inductive.

2,201,980
PLAIT-KNITTED FABRIC
Walter Artzt and Ely Lesavoy, Allentown, Pa.
Application March 25, 1939, Serial No. 264,097
1 Claim. (Cl. 66—200)

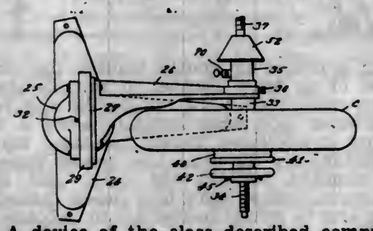


A self-plaiting circular rib knitted fabric having one wale missing on one surface at every eighth wale position and having two adjacent wales missing in the other surface at every seventh and eighth wale position with the missing wales on one surface being generally equidistantly staggered in relation to the missing wales of the other surface, and with the thread forming said fabric being sufficiently tight in relation to the gauge and thickness of the thread as to cause the fabric to fold itself along the lines of said missing wales.

2,201,981
PROTECTIVE COATING
Herman L. Baron, New York, N. Y., assignor to Cladite Incorporated, a corporation of Delaware
No Drawing. Application April 17, 1935, Serial No. 16,931
24 Claims. (Cl. 91—70)

1. The method of forming a protective coating repellent to flame, highly resistant to solvents of organic material and having a lustrous appearance and many of the properties of a continuous metallic surface, on object surfaces capable of withstanding high temperatures, which comprises applying a free-flowing composition of flame-retarding organic compound containing finely-divided, tiny, thin, flake metal particles dispersed in quantity sufficient to form a continuous coating thereof over the object surface, subjecting the applied coating to heat-treatment at temperatures of the order of 500° F. and destructive of paint films but below the melting point of the metal particles and below the destructive point of the compound, and thereby forming a non-blistered, hard yet flexible bonding residue, tenaciously adherent to the object surface and to the metal particles for retaining the flake particles in exposed, densely-overlapped, scale-like formation unalloyed with the object surface.

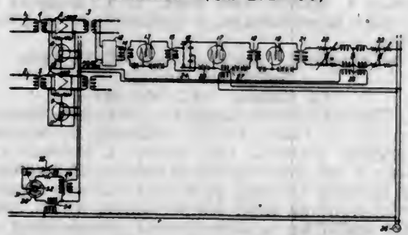
2,201,982
COMBINATION TIRE CHANGER AND WHEEL BALANCER AND TOOL THEREFOR
Waldo J. Bazarek, Belvidere, Ill., assignor, by mesne assignments, of one-half to Andrew F. Wintercorn, and one-half to William N. Belk, Rockford, Ill.
Application July 13, 1935, Serial No. 31,291
Renewed July 8, 1939
4 Claims. (Cl. 144—288)



1. A device of the class described comprising a support, a horizontal swivel thereon, a sub-

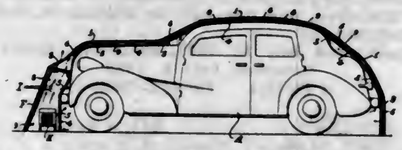
stantially horizontal arm rotatably carried on said swivel with its center of mass spaced radially in one direction from the swivel axis, manually releasable means for detachably securing the arm in adjusted position, a post for supporting a wheel on the outer end of said arm, said post being in transverse relation to the arm and movable in the turning thereof to horizontal and vertical positions, and means on said post for engagement with the hub of the wheel to clamp the same thereon in a plane substantially parallel with the arm but with its center of mass spaced radially in the opposite direction from the swivel axis.

2,201,983
POWER SUPPLY CIRCUIT
John H. Bollman, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application February 11, 1939, Serial No. 255,962. Divided and this application August 2, 1939, Serial No. 287,917
5 Claims. (Cl. 171—97)



5. In combination, a source of control alternating current, a load connected to said source of current, a second source of alternating current, a marginal device having a starting circuit and an operating circuit, means for connecting said two sources of alternating current to said starting circuit in phase opposition to prevent operation of the device under normal conditions, and means for connecting said second source of current through the operating circuit of said device to the load to energize the load upon failure of the first source of current and operation of said device.

2,201,984
HEATED AUTOMOBILE BLANKET
Augustus L. Clark, Montpelier, Vt.
Application January 19, 1939, Serial No. 251,865
4 Claims. (Cl. 135—1)



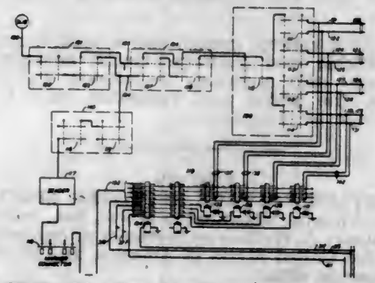
1. In a heated automobile blanket, the combination of an inner blanket of suitable size to extend entirely over the automobile and reach the ground, said inner blanket having a multiplicity of apertures therein, an outer blanket of substantially the same size, spaced pieces of felt mounted between the outer and inner blankets to support same in a closely spaced relation and to permit heated air to circulate between the blankets and through the apertures of the inner blanket to the automobile.

2,201,985
DISPENSING CABINET
Bearl E. Colburn, Green Bay, Wis.
Application November 8, 1938, Serial No. 239,537
3 Claims. (Cl. 40—63)



1. A cabinet of the class described having a sheet metal front wall provided with a display opening having its edges bent outwardly to form an outer border for said opening and an inner recess to receive the edges of a display member; and two strips on the inner side of said wall traversing opposite edges of a display member in said recess.

2,201,986
TELEPHONE SYSTEM
Raymond E. Collis, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 17, 1938, Serial No. 214,351
8 Claims. (Cl. 179—18)

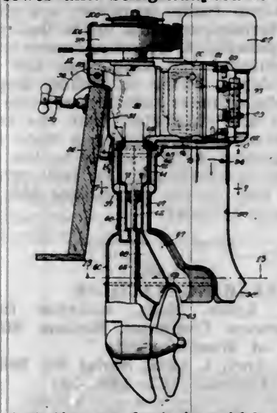


1. In combination, trunk groups, each of which is divided into a plurality of first-choice subgroups and one second-choice subgroup, a marker, means effective when a call is made for one of said groups for causing the marker to test first the trunks of a preferred first-choice subgroup and then the second-choice subgroup to find an idle one for use, and means in the marker for changing the preference from one first-choice subgroup to another each time the marker is used.

2,201,987
OUTBOARD MOTOR
Warren C. Conover, Waukegan, Ill., assignor, by mesne assignments, to Outboard, Marine & Manufacturing Company, Wilmington, Del., a corporation of Delaware
Application March 11, 1936, Serial No. 68,238
3 Claims. (Cl. 115—18)

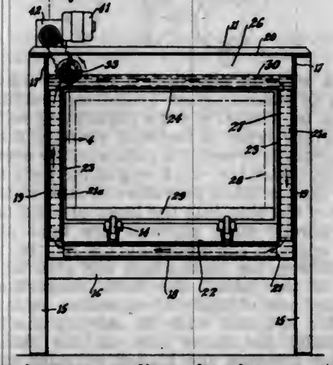
1. In an outboard motor structure, the combination with a relatively stationary power head and a lower unit rotatable for the reversal of its direction of propulsion, of a bearing including relatively stationary water cooling ducts extending from said bearing to and from said power head, and complementary ducts connected with said lower unit and extending from and to submersible inlet and outlet ports therein, and means

for circulating water through said ducts, the ducts of the lower unit being adapted to register with



different stationary ducts in said bearing according to the direction of propulsion of said lower unit.

2,201,988
COOLING CHAMBER CONSTRUCTION FOR FURNACES
Frank T. Cope, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio
Application May 31, 1938, Serial No. 210,925
13 Claims. (Cl. 263—44)



1. In furnace cooling chamber construction, spaced inner and outer walls and end walls forming a compartment between the walls surrounding a tubular cooling chamber inside the inner wall, inlet and outlet means for introducing and discharging liquid cooling medium into and from said compartment, and means for circulating liquid cooling medium in said compartment annularly around said tubular cooling chamber throughout the length thereof.

2,201,989
CERAMIC SUPPORT
Arthur L. Davis, Knoxville, Tenn.
Application December 6, 1937, Serial No. 178,285
2 Claims. (Cl. 25—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. In a vertically aligned assembly of a plurality of superposed fired ceramic ware support elements and a plurality of unfired ceramic articles in which each article is between two support elements, a ceramic ware support element which comprises a member having a continuous outer portion of uniform thickness and substantially uniform width defining a space of greater extent than that occupied by the ceramic article and an inwardly declined continuous portion integral therewith for supporting the reverse of a superposed unfired ceramic article adjacent to the rim of said article and to maintain the obverse



of a subjacent unfired ceramic article adjacent to the rim of said article in positive alignment; a plurality of oblique apertures extending through both of said portions for effecting a circulation of a fluid heating medium between adjacent ceramic articles; a plurality of spaced inwardly declined arms integral with said portions; and a continuous center portion integral with the ends of said arms opposite said first named portions for supporting the central area of the reverse of a ceramic article.

2,201,990
HOLDING MEANS
Arthur E. Dekome, Garfield Heights, and Herman C. Dekome and Vincent J. Sedlon, Cleveland, Ohio
Application August 31, 1939, Serial No. 292,864
3 Claims. (Cl. 280—11.31)



1. A locomotion device, comprising, a portion constructed to be engaged by the tread face of a part of the foot or footwear of the wearer, a pair of jaw means constructed to be engaged against the opposite sides of said part, means mounting said jaw means with said portion and connecting said jaw means, so constructed and arranged that both of said jaw means must move toward engagement with said opposite sides simultaneously, and holding means extending between said jaws means, over said part, constructed and arranged both to press said part firmly against said portion and to hold said jaw means firmly engaged against said opposite sides.

2,201,991
APPARATUS FOR TREATING WORKPIECES
Frank G. Dennison, Newtonville, Mass., assignor to Spray Engineering Company, Somerville, Mass., a corporation of Massachusetts
Application November 14, 1936, Serial No. 110,906
16 Claims. (Cl. 91—44)

1. In an apparatus for treating workpieces, the combination with a reciprocable support for the work to be treated and means adapted to discharge treating material, said support normally positioning the work out of the path of the discharge of treating material, of means for reciprocating the support and for actuating the dis-

charging means so that the supported work is



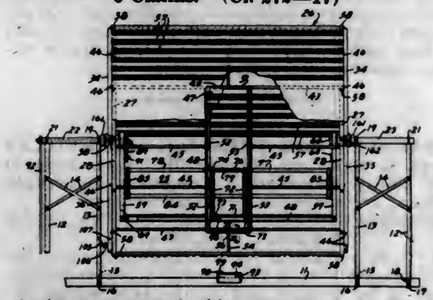
brought into the discharge during at least a portion of the movement of the work support.

2,201,992
TREATMENT OF TEXTILE YARNS AND FILAMENTS
Camille Dreyfus, New York, N. Y., and George Schneider, Montclair, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
Application March 25, 1939, Serial No. 264,120
18 Claims. (Cl. 57—140)



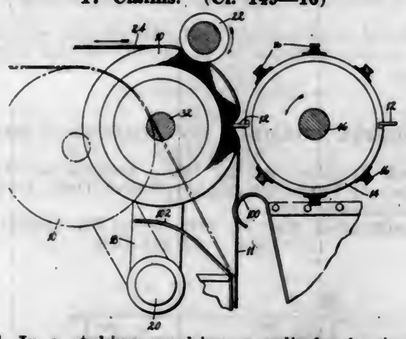
16. Tire cords of improved strength and increased resistance to fatigue, comprising cellulosic yarns having 0.5 to 5.0%, based on the weight of the yarn, of tricresyl phosphate incorporated therein.

2,201,993
AMUSEMENT RIDE
John R. Dyke, Eden, Ala.
Application January 20, 1939, Serial No. 251,985
6 Claims. (Cl. 272—17)



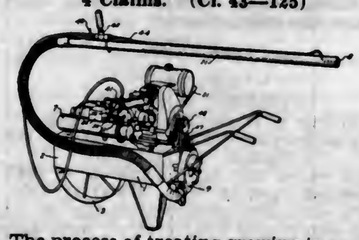
1. An amusement ride comprising a cylinder, longitudinally extending rectangular frame members for the periphery of the cylinder, diametrically divided end frame members detachably secured to the longitudinal members, a hub at each end of the cylinder detachably connected to the end frame members, a stub shaft for each hub terminating just inside the cylinder at each end, parallel A-frame members at each end of the cylinder for supporting the shafts and the cylinder, a swing extending longitudinally within the cylinder substantially the whole length thereof and supported from the ends of the stub shafts, means forming a door in the side of the cylinder giving access to the swing, a translucent longitudinally striped cover for the cylinder, and means to operate the swing from outside the cylinder.

2,201,994
STAKING MACHINE
David Edgar, Lynn, Mass., assignor to The Tanning Process Company, Boston, Mass., a corporation of Massachusetts
Application April 7, 1938, Serial No. 200,703
17 Claims. (Cl. 149—16)



1. In a staking machine, a cylinder having a plurality of blades on its cylindrical surface for operating on a skin, a work supporting roll having a surface layer of resilient yielding material which normally presents a substantially even surface throughout the work engaging part of the roll, the blades being operative to sink successive portions of the skin into the layer of yielding material whereby such portions are bent sharply over the edges of the blades during relative movement between the blades and the skin to effect staking of the latter, the work supporting roll being held unyieldingly in operative relation to the bladed cylinder with its surface moving at substantially the same rate as the skin, and means for rotating the bladed cylinder at high speed.

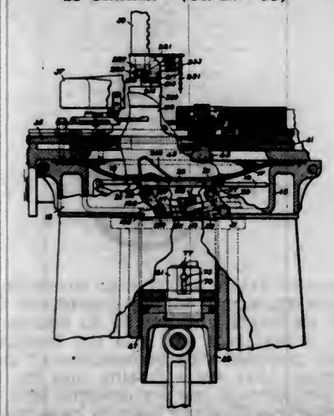
2,201,995
METHOD FOR SPRAYING INSECTICIDES
John A. Erickson, Jackson, Mich.
Application August 30, 1935, Serial No. 38,523
Renewed August 23, 1939
4 Claims. (Cl. 43—125)



1. The process of treating growing trees, plants,

or the like, for the control of insects, with oil of a viscosity too high to be sprayed in a fine mist at ordinary temperatures, which comprises heating the oil to fluidize the same sufficiently to allow atomizing, and spraying the thus heated oil in a finely atomized spray on the growing trees, plants, or the like.

2,201,996
SOLE LAYING MACHINE
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 4, 1938, Serial No. 199,794
48 Claims. (Cl. 12—33)



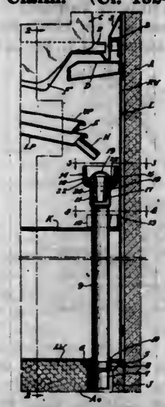
1. A machine of the class described having, in combination, a pressure box for fluid one wall of which comprises a flexible diaphragm for pressing a sole against the bottom of a shoe, a jack for supporting the shoe against pressure applied through the diaphragm, a shank presser, means for causing the shank presser to be forced against the diaphragm, and means for varying said force irrespective of the fluid pressure in the box.

2,201,997
SPRING UNIT FOR SPRING CUSHIONS
Morris Freund, Cleveland, Ohio, assignor, by direct and mesne assignments, of one-half to Jacob Kronheim, Shaker Heights, Ohio, and one-half to John C. Lincoln, Scottsdale, Ariz.
Application June 4, 1936, Serial No. 83,547
Renewed July 12, 1939
5 Claims. (Cl. 155—179)



3. A wire spring structure for soft spring cushion units comprising a horizontally corrugated, substantially straight, elongated seating portion, a similar, horizontally corrugated, substantially straight base portion arranged below said seating portion in spaced relation thereto, corrugated, inclined integral lever arms inwardly extending from the opposite ends of said seating portion and said base portion, said lever arms intersecting each other and being rigidly connected to each other at the points of intersection, and connecting means for connecting the points of intersection of said levers and preventing said points from moving away from each other.

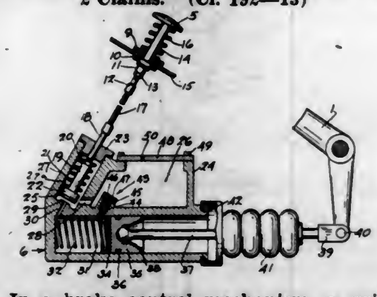
2,201,998
REFRIGERATOR
John H. Ganzer, Duluth, Minn., assignor to The Coolerator Company, Duluth, Minn., a corporation of Minnesota
Application October 14, 1939, Serial No. 299,454
1 Claim. (Cl. 182—8)



In a refrigerator or the like from which a liquid is to be discharged and wherein it is desired to prevent the ingress and egress of air thereinto and therefrom and which has a discharge spout through which such liquid is to flow, means providing an opening through which such liquid may be discharged from the refrigerator or the like and providing a seat about such opening, a drain pipe through which liquid may flow to said opening, a resilient gasket at the lower end of said drain pipe and adapted to tightly fit said drain pipe and to tightly fit in said seat when inserted thereinto to thereby firmly but detachably connect said drain pipe in said seat, a substantially U-shaped clip secured to an upright wall of said refrigerator or the like and in which said drain pipe may be clamped to thereby support said drain pipe in substantially vertical position in said refrigerator, said opening and the seat thereabout and said clip being located in said refrigerator in alignment with said discharge spout whereby when said drain pipe is retained in said seat in said clip it will be arranged in alignment with said spout, said drain pipe when arranged in said seat in said clip being of such length as to terminate in spaced relation with the outlet end of said discharge spout, a transparent glass and substantially cup-shaped body having an open upper end and having a flange projecting upwardly for a predetermined distance above the lower wall thereof and a flange projecting downwardly from said lower wall and having an opening therein through said flanges and said lower wall, a member disposed in said cup-shaped body and having openings therein below the upper edge of the flange projecting upwardly from said lower wall whereby liquid flowing into said body from said discharge spout will flow through the openings in said member and collect about said upwardly projecting flange to thereby afford a liquid seal to prevent the ingress and egress of air to and from said refrigerator or the like through said drain pipe, said flange projecting from the lower wall of said

body being removably positioned within the upper end of said drain pipe whereby said body is supported at the upper end of said drain pipe and in position to receive liquid from said discharge spout, and a resilient gasket surrounding the downwardly projecting flange and fitting within the upper end of the drain pipe.

2,201,999
BRAKE
George A. Goepfrich, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application December 29, 1937, Serial No. 182,187
2 Claims. (Cl. 192—13)



1. In a brake control mechanism, a primary brake controlling means and a secondary brake controlling means for holding the primary brake controlling means applied, said secondary means comprising a fluid control having a cylinder, a piston in said cylinder, a reservoir connected to said cylinder, a valve for shutting off flow between said reservoir and said cylinder, a spring for moving said valve to open position, a foot pedal, means controlled by said pedal for closing said valve against said spring, and a check valve that allows fluid to flow from said reservoir to said cylinder.

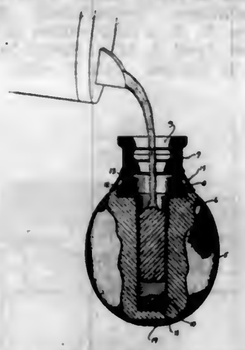
2,202,000
TELESCOPE SIGHT MOUNTING
John C. Gray, Washington, D. C.
Application November 8, 1938, Serial No. 239,513
3 Claims. (Cl. 33—50)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a telescope sight adapted to be attached to a rifle having a receiver well, a mount permanently engaging with the sight, and a base attached to the rifle adjacent the receiver well and having a part depending into the well and interengaging means between said part and mount and located within said well whereby the mount is fixedly positioned upon the rifle.

2,202,001
WATER SOFTENER
Austin Gudmundsen, Milwaukee, Wis., assignor to Gudmundsen-Stratton Laboratories, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application April 13, 1938, Serial No. 201,718
4 Claims. (Cl. 210—24)

1. A substantially nonfiltering water softening device comprising: a porous flexible container of substantially spherical shape and of a size to be held in one hand; a nipple attached to the mouth of the container for connecting the same to a water faucet; a tube leading from said nipple axially into the interior of the substantially spherical container and extending substantially across the diameter thereof; and a mass of fine grain base exchanging material filling the container around the tube, said tube having an internal diameter sufficiently large to reduce the friction drop along the tube to a negligible minimum, and said tube having an imperforate



upper section extending from its connection with the nipple for approximately one-fourth to one-third of its length and having its bottom closed with an imperforate wall and the remainder of its length provided with perforations of such size and number that water flowing into the tube is discharged through the perforations with a uniform velocity sufficiently high to have the water impinge the adjacent portions of the fine grained base exchanging material with considerable force to impart turbulence thereto and cause the same to automatically migrate to regions of greatest local flow.

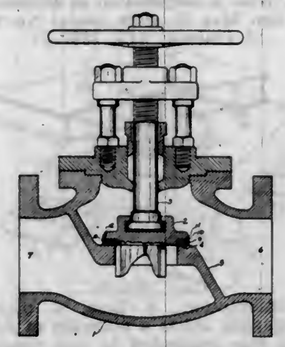
2,202,002
COATING AND COLORATION OF GRANULATED MATERIALS
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 2, 1936, Serial No. 83,076
10 Claims. (Cl. 91—70)

1. As an article of manufacture, a roofing granule having on the exterior thereof a coating comprising a hardened high alumina cement containing principally calcium aluminates or calcium alumina ferrites and substantially free of free lime in amount to produce objectionable efflorescence in exposure, the surface of said granule being also substantially resistant to chipping and wear and stable with respect to a bituminous bond.

2,202,003
CELLULOSIC PRODUCT AND PROCESS FOR PRODUCING SAME
Joseph F. Haskins, Hawkesbury, Ontario, Canada, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 17, 1936, Serial No. 85,823. Renewed November 15, 1938
10 Claims. (Cl. 18—54)

3. In the process of producing cellulosic products from solution, the steps which comprise making up a viscose containing a carbon disulfide derivative of de-acetylated chitin and forming articles therefrom by coagulation, the said coagulation causing a change in the composition of the said chitin material.

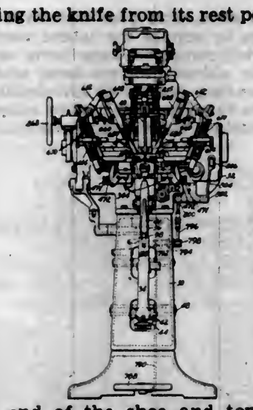
2,202,004
VALVE
John N. Heiner, Bethesda, Md.
Application December 20, 1938, Serial No. 246,860
1 Claim. (Cl. 251—160)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The combination with a valve which includes a valve disk and seat, of continuous strip of thin flexible metal provided with a continuous longitudinal shallow groove on one side of the strip and a complemental bead on the reverse side of the strip, the strip being wound spirally so that the sides of the strip of each convolution are in close contact with the adjacent sides of the strip in the next adjacent convolution and in such manner that the bead of each convolution of the spirally wound strip nests in the groove in its adjacent convolution, the spirally wound strip being adapted for disposition between the contiguous faces of the valve disk and its seat, and having the convex surface of the said groove in the spirally wound continuous strip face the pressure side of the valve, the groove being sufficiently shallow to cause the fluid pressure to tend to flatten the groove and widen the spirally wound strip, the valve disk of the valve being provided with an annular groove adjacent its face, a plurality of extensions on the outermost convolution of the spirally wound strip, each of said extensions being provided with a bead for engagement with the annular groove in the valve disk to retain the spirally wound strip in effective position.

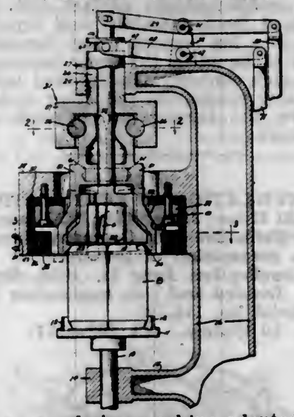
2,202,005
SHOE MACHINE
Eric A. Holmgren, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 15, 1937, Serial No. 174,542
68 Claims. (Cl. 12—67)

1. In a welt-butting machine, a knife constructed and arranged for movement lengthwise of a welted shoe to butt one end of the welt, said knife, when the machine is at rest, being positioned away from the shoe bottom and opposite the breast line portion of the shoe, and means for moving the knife from its rest position toward



the toe end of the shoe and toward the shoe bottom to its cutting position.

2,202,006
CAN CLOSING MACHINE
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 30, 1938, Serial No. 248,643
7 Claims. (Cl. 93—36.5)

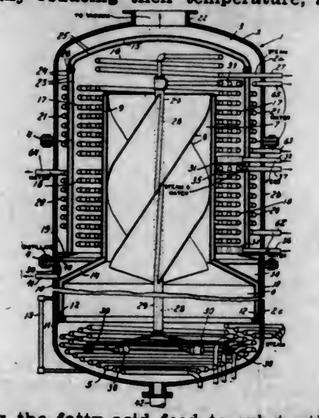


1. In a can closing machine adapted to seal a fibre can cover onto a fiber can body by an interfolding of parts thereof with an interposed thermoplastic adhesive, said cover having a dispensing opening and a closure element hinged adjacent thereto, the combination of a squeezer head including squeezer jaws and an interposed chuck for producing a seam by a squeezing therebetween of can and cover parts held in said squeezer head in engagement with said chuck, means in said squeezer head for heating said can parts and the adhesive therebetween, and means carried by said chuck and adapted to enter the dispensing opening of said cover for holding said hinged closure element away from said cover during the seam forming operation.

2,202,007
DISTILLATION OF FATTY ACIDS
Martin Hill Ittner, Jersey City, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application June 11, 1936, Serial No. 84,626
15 Claims. (Cl. 202—46)

1. The process of distilling fatty acids from a body of liquid undergoing distillation in the

lower portion of a still provided with indirect heating means to supply the latent heat of vaporization which comprises vaporizing such fatty acids with the aid of indirect heat and a high vacuum, separating entrained unvolatilized material from the resulting hot vapors without substantially reducing their temperature, and pre-



heating the fatty acid feed to substantially the temperature of the still by subsequent indirect generally countercurrent contact with the hot vapors freed from entrained and unvolatilized material, the hot vapors being brought from said body of liquid in the lower portion of the still into such contact with the feed before undergoing any substantial reduction in temperature below the temperature of said body of boiling liquid.

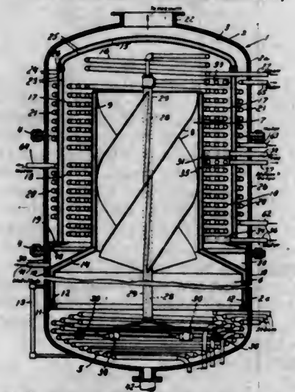
2,202,008

DISTILLATION OF FATTY ACIDS

Martin Hill Ittner, Jersey City, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

Original application June 11, 1936, Serial No. 84,626. Divided and this application May 27, 1937, Serial No. 145,126

19 Claims. (Cl. 202—177)



3. A still comprising a heating chamber including a vapor space for heating a liquid to be distilled, a separating chamber above said vapor space and directly communicating therewith, means in said separating chamber for deflecting all the vapors as they pass therethrough and removing entrained material from said vapors by contact, a thermally insulating double-walled partition around and defining said separating chamber and said vapor space, said still being provided with cooling surfaces placed, with respect to vapor flow, subsequent to said separating chamber, said still being substantially vacuum-tight and provided with a vapor outlet connected to a vacuum line, said vapor outlet being so positioned, with respect to the path of vapor flow, that the vapors pass over the cooling surfaces before reaching the vapor outlet.

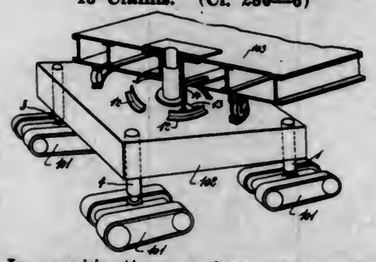
2,202,009

LEVELING DEVICE

Samuel L. G. Knox, Englewood, N. J., and Francis O. Blackwell, Jr., Milwaukee, Wis., assignors to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware

Application May 21, 1938, Serial No. 209,226

13 Claims. (Cl. 280—6)



1. In combination: a base; a plurality of ground-engaging units; a plurality of fluid pressure jacks, one connected to and supported by each ground-engaging unit, and connected to and supporting the base; a single pump to actuate these jacks; valves to expand and release the jacks selectively; electric controls for these valves; two level-responsive switch devices, each responsive to the departure from level of one of a pair of normally horizontal lines in the base, which lines are at substantially right angles to each other; means whereby said controls automatically effect leveling of the base; and means whereby said controls automatically effect equalizing of the pressure on the supporting units.

2,202,010

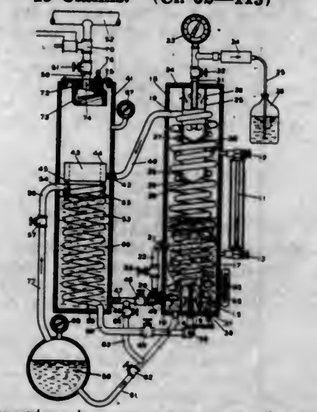
PURGING APPARATUS AND METHOD OF USE

Mathias R. Kondolf, New Canaan, Conn.

Application March 6, 1937, Serial No. 129,506

Renewed August 24, 1939

19 Claims. (Cl. 62—115)



7. Apparatus to remove non-condensible gas from a mixture with a refrigerating medium, which comprises a pre-cooling tank; a suction connection to said tank; a separator drum; means to refrigerate said drum; an outlet for non-condensible gas from said drum and pipe means to convey said mixture through said tank and into said drum.

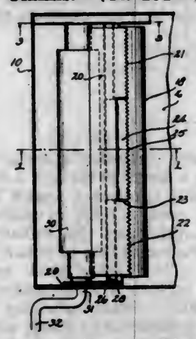
2,202,011

PAPER DISPENSING CABINET

Albert G. Krueger, Frank P. Vaughan, Norman J. Slye, and John B. Engel, Green Bay, Wis., assignors to Bay West Paper Company, Green Bay, Wis., a corporation of Wisconsin

Application April 14, 1939, Serial No. 267,938

20 Claims. (Cl. 164—84.5)



1. In a dispenser, the combination with web feeding mechanism, of regulating means including a stop for limiting the operation of said mechanism to the feeding of a predetermined length of web, a releasable detent whereof the operation is prerequisite to the movement of said feeding mechanism beyond said stop, and a tear-off knife comprising a fixed portion and a yieldable portion, said yieldable portion being operatively connected with said detent for the release thereof.

2,202,012

MANGANESE ALLOY

James R. Long, Annapolis, Md., assignor to Chicago Development Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 5, 1937, Serial No. 140,817. Renewed October 20, 1939

6 Claims. (Cl. 75—134)

1. An alloy of nickel, manganese and copper, said alloy being ductile when cold, containing from 10% to 40% copper, from 5% to 30% nickel, and substantially all of the remainder being a highly purified manganese, said manganese containing not more than 0.1% by weight of any of the elements iron, carbon, silicon, and aluminum.

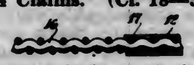
2,202,013

REINFORCED PLASTIC AND MATERIAL THEREFOR

Victor Lougheed, Lucketts, Va.

Application January 13, 1938, Serial No. 184,797

4 Claims. (Cl. 18—59)



3. A reinforced plastic material comprising a mass of hardened plastic reinforced by a substantially-parallel, non-intersecting system of embedded wires which have an inherent coefficient of friction between themselves and said plastic, the diameter of each of said wires being not greater than about 0.008 inch, the geometric relationship between the surface area and the cross section of each wire being such that the wires have a total surface adhesion to said plastic greater than the breaking strength provided by the cross section of all of the wires.

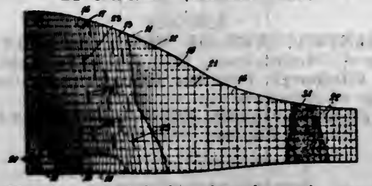
2,202,014

AIR PROPELLER BLADE AND MATERIAL FOR MAKING SAME

Victor Lougheed, Lucketts, Va.

Application February 10, 1938, Serial No. 189,719

14 Claims. (Cl. 170—159)



1. Sheet material for forming air propeller blades comprising a web made of interwoven organic fiber warp threads and small diameter steel wire filler elements, said material being cut to a pattern adapted to distribute the mass of the material to correspond to the desired varying mass of the propeller blade and said steel wires varying in number along the length of the material such that when the material is formed into a blade the filler elements of the material in the outermost layers of the blade will be substantially all steel wires and the filler elements of the material forming the core of the blade will be substantially all organic fiber elements.

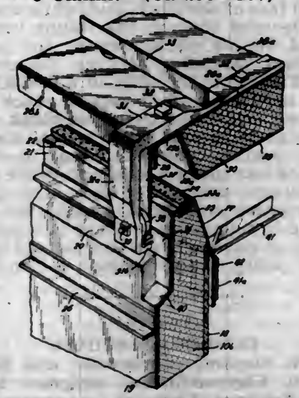
2,202,015

TRUCK BODY CONSTRUCTION

Carl Marinello, Chicago, Ill.

Application May 3, 1939, Serial No. 271,495

8 Claims. (Cl. 296—137)



1. In a vehicle body having spaced apart vertical side walls; a stationary roof section covering the forward portion of the vehicle body, longitudinally extending rails mounted on the vertical surfaces of the body side walls adjacent to the upper edges thereof; said rails having spaced apart recesses therein; a movable roof section adapted to cover and seal the rear-most portion of said vehicle body from above; a plurality of angular brackets secured in spaced apart

relation on said movable roof section and having downwardly extending ends and a plurality of rollers journaled on the lower ends of said brackets and adapted to ride on said side rails whereby said movable roof section may be moved longitudinally into and out of closed position, said rollers and said lower bracket ends being adapted to drop thru and be in said recesses respectively when said movable roof section is moved into closed sealing position the lateral edges of said movable roof section being formed to define inverted substantially U-shaped channels which engage the upper edges respectively of the side walls to prevent twisting and undesirable movements thereof.

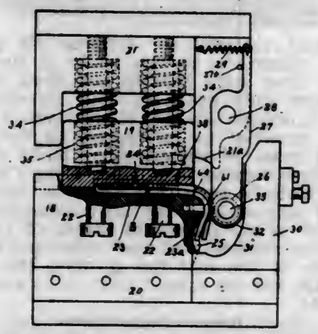
2,202,016

MANUFACTURE OF METAL ARTICLES

Clyde A. McCutcheon, Coraopolis, Pa., assignor to Pittsburgh Forgings Company, a corporation of Delaware

Application May 23, 1938, Serial No. 209,403

5 Claims. (Cl. 153—3)



1. The herein described method which consists in folding a strap of steel into a U-shaped blank, clamping the blank at its folded end upon a contoured die block and rolling a crook in the opposite otherwise free end of the blank against the contoured face of the block, and, while the formed crook is secured between the rolling instrumentality and the die block, pressing the two limbs of the blank extending between the crook and the folded end into the form of a shank.

5. The herein described method which consists in shaping metal into a U-shaped blank, pressing the outer portions of the two legs of the U into surface-to-surface contact and shaping such portions of the legs into a crook, and, while securing the constituent portions of such bipartite crook against relative movement, closing the bend in the U and bringing the two legs into permanent surface-to-surface contact throughout substantially the entire common extent of the legs.

2,202,017

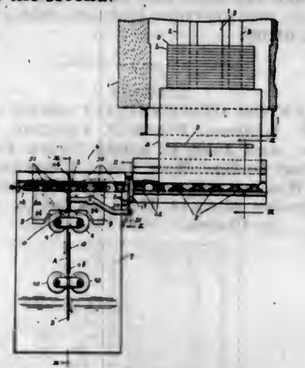
BENDING MACHINE

Walter H. Stocking, Coraopolis, and Ralph A. Mitchell, Edgeworth, Pa., assignors to Pittsburgh Forgings Company, a corporation of Delaware

Application May 23, 1938, Serial No. 209,410

9 Claims. (Cl. 153—21)

1. A machine including two roll passes arranged one before the other on a common pass line, two spaced-apart abutments arranged, at the entrance to the first pass, one on each side of the pass line, and means including a member advancing on said pass line and adapted medially to engage a strap of steel positioned against said abutments, and, by advance between the abutments, to bend the strap and carry it, with the bend in the lead, between the abutments, through the first pass, and into the second.



9. In apparatus including a metal-shaping machine including a member having a surface adapted to receive and support a blank to be shaped, and a line of rotary rolls arranged to deliver blanks to said machine, the refinements herein described in which said line of rotary rolls include a plurality of rolls formed with grooves of V-shape in cross section and arranged adjacent to one edge of said surface, one leg of the V in each roll lying substantially flush with and forming in effect a portion of such surface of the machine.

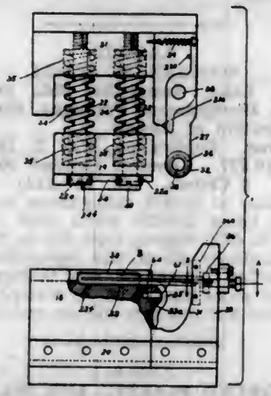
2,202,018

METAL-SHAPING APPARATUS

Clyde A. McCutcheon, Coraopolis, Pa., assignor to Pittsburgh Forgings Company, a corporation of Delaware

Application May 18, 1939, Serial No. 274,397

3 Claims. (Cl. 153—33)



1. In apparatus including upper and lower dies relatively movable for shaping a bipartite blank between them, a matrix including a contoured wall portion in the lower die, and means carried by the upper die and movable, during the closing of the dies, to shape the blank upon such contoured wall portion; the refinement herein described that consists in spaced-apart flanges extending at the sides of said contoured wall portion of the matrix and adapted laterally to secure in alignment the limbs of said bipartite blank shaped to the contour of such wall portion, together with spaced-apart guides arranged at an interval from and extending in parallelism with said flanges, said guides adapted to receive between them the end of a bipartite blank to be shaped between said dies and adapted during the shaping of the blank laterally to align the ends of the limbs of the blank with the contoured wall portion of the matrix between said flanges.

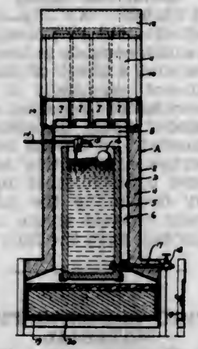
2,202,019

SOLAR ACTUATED COOLER

Otto H. Mohr, Concord, Calif., assignor to himself and Elizabeth F. Kells Mohr, Concord, Calif., joint tenancy with right of survivorship

Application March 28, 1939, Serial No. 264,578

11 Claims. (Cl. 62—154)



1. A solar operated cooler comprising a housing having an air inlet and outlet, means for effecting evaporation of moisture in said housing, and a solar operated heater having an air passage formed therein whereby air is heated and a continuous convection flow maintained, said heater having an air inlet at its lower end connected with the outlet of the housing to accelerate evaporation and cooling of the interior of the housing.

2,202,020

PRINTING BLANKET

Stephen B. Nelley, Winchester, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts

Application December 26, 1935, Serial No. 56,187

3 Claims. (Cl. 154—54.5)



1. A printer's blanket comprising a cushion base having a layer composed of a dye impervious rubber stratum and a rubber impregnated foraminous textile fabric superposed on said stratum and joined thereto throughout the whole extent of the exposed surface of said stratum to form a working surface, the foraminous structure of the textile fabric providing a multiplicity of surface indentations whereby storage areas for color are provided on the working surface.

2,202,021

CONTAINER CLOSURE

Ferdinand W. Nitardy, Brooklyn, N. Y., and Ralph S. Westgate, Glen Ridge, and Stanton E. Werner, Highland Park, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

Application September 27, 1934, Serial No. 745,714

6 Claims. (Cl. 220—61)



1. In a sheet-metal container, a spout having an upwardly-extending, pressure-deformable margin, a supporting ring internally of the spout margin and having an exterior circumferential groove, and a cap of relatively soft metal with an annular flange interposed between the spout margin and the ring, the spout margin having been approximated to the ring by external substantially deforming pressure upon the spout margin.

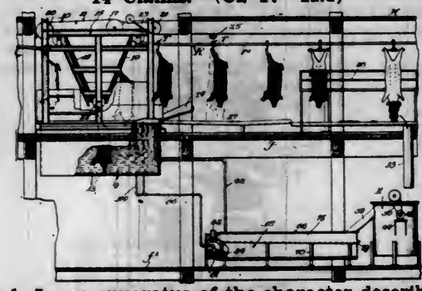
2,202,022

APPARATUS FOR USE IN COATING CARCASSES

Arthur E. Ozouf, Chicago, Ill., assignor to The Allbright-Nell Co., Chicago, Ill., a corporation of Illinois

Application November 18, 1937, Serial No. 175,290

14 Claims. (Cl. 17—11.1)



1. In an apparatus of the character described, the combination of a dipping tank containing a mass of readily congealable coating material and having heating means for maintaining the material in a melted condition, means associated with the tank for dipping animal carcasses in the mass in order to form coatings thereon which upon removal after becoming plastic rid the carcasses of hair and other matter, a remelting tank adapted to receive the coatings after removal from the carcasses and melt them into a mass of remelted material, a reclaiming tank connected to receive the reclaimed material from the remelting tank and provided with means for effecting removal of the hair and other matter from said material, and means for delivering the material from the reclaiming tank to the dipping tank for reuse.

2,202,023

FLUID MOTOR

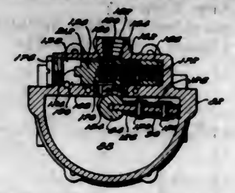
Humphrey F. Parker, Detroit, Mich.

Application October 17, 1936, Serial No. 106,134

8 Claims. (Cl. 121—150)

1. Fluid pressure operated motor mechanism comprising, in combination, a member disposed

to be moved between first and second limit positions under the influence of a fluid pressure differential; a reversing valve movable between first and second positions to control the direction of movement of said member; continuously acting means for urging said valve to one of said posi-



tions; means including a passage opened and closed by movement of said member for applying fluid pressure to said valve to cause it to move to said other position and for relieving said fluid pressure; and means including a secondary passage rendered effective when said valve is in said other position for applying fluid pressure thereto.

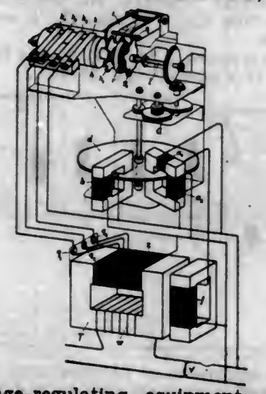
2,202,024

VOLTAGE-REGULATING EQUIPMENT

Francis Ratkovszky, Budapest, Hungary

Application March 11, 1935, Serial No. 10,493. Renewed May 19, 1939. In Hungary March 12, 1934

7 Claims. (Cl. 171—119)



1. Voltage-regulating equipment, comprising, in combination, a multi-stage regulating transformer; a voltage relay of the Ferraris-disc meter type; a voltage winding for said relay; two coils for said relay being wound in opposite sense as regards their ampere turns on the same iron core and co-operating with the said voltage coil in the manner of the current coil of a wattmeter; a reducing transmission gear of a constant proportion of the transmitted revolutions, coupled on its high-speed side in a direct manner with the disc shaft of the said relay; and a contact device having a plurality of contact positions connected electrically with the regulating terminals of the said transformer and being mechanically coupled with the low-speed side of the said reducing gear, comprising a contact cylinder of the controller type suitable for the control of the contacts and running loosely on its axis, a toothed disc mechanically connected with said cylinder, pegs fitted on the disc face, a fixed cam disc, a spring preliminarily wound-up by the rotation of the fixed cam disc and connecting said toothed disc, a pawl oscillating parallel to the faces of the said discs and having two pegs, one of the pegs co-operating with the cam and teeth respectively of both discs and the other peg with the toothed disc; said discs, pawl and pegs being designed and arranged to permit said contact cylinder to perform limited instantaneous angular deflections only, and said two relay coils being adjusted so as to bring their motive effect on the relay, a stand-still at the voltage to be maintained constant.

2,202,025

COLLAR, CUFF, AND THE LIKE AND METHOD OF MAKING SAME

Raymond E. Reed, Walpole, Mass., assignor to The Kendall Company, Walpole, Mass., a corporation of Massachusetts

No Drawing. Application December 2, 1935, Serial No. 52,623

13 Claims. (Cl. 154—2)

11. That improvement in processes of making collar fabrics, which consists in bringing together a textile fabric and a sheet of cloth-like lining material composed essentially of unorganized, co-mingled fibers bonded together at their intersections by binder fibers dispersed throughout said lining material and having normally latent adhesive properties, and uniting said fabric and said lining sheet to each other in face to face relationship by developing the adhesiveness of said binder fibers exposed at the surface of said lining and in contact with the face of said fabric.

2,202,026

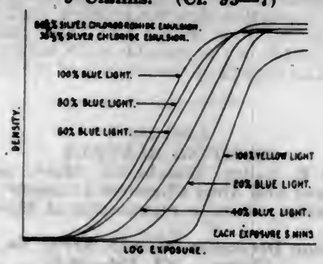
PHOTOGRAPHIC PRINTING PROCESS AND MATERIAL

Frank Forster Renwick, Gidea Park, England, assignor to Ilford Limited, Ilford, Essex, England, a British company

Application March 18, 1938, Serial No. 196,788

In Great Britain March 18, 1937

9 Claims. (Cl. 95—7)



1. Light sensitive photographic material consisting of a support and coated on one side thereof a composite emulsion layer comprising two independently prepared silver halide emulsions, one being a contrasty silver chloride emulsion and the other a silver bromide emulsion sensitive to blue light, the two emulsions having markedly different contrasts the silver chloride emulsion being dye-sensitized to light within a spectral region taken from the class consisting of green, green-orange and orange regions with a dye which does not wander from the grains of the silver chloride emulsion and sensitize the other emulsion.

7. The method of controlling the scale of gradation of the copy in a photographic copying process comprising using, for the copy, material having a composite light sensitive emulsion layer composed of two independently prepared silver halide emulsions, one being a contrasty silver chloride emulsion and the other a silver bromide emulsion sensitive to blue light, the silver chloride emulsion being dye-sensitized with a dye which does not wander from the grains thereof and sensitize the other emulsion, the two emulsions having markedly different gradations the silver chloride emulsion being substantially insensitive to visible blue and violet but sensitive to ultra violet and to light within the spectral region taken from the class consisting of green, green-orange and orange regions, printing by means of a printing light having actinically-useful components within each of the spectral regions of sensitivity of the two light sensitive materials and varying the relative proportions of the said actinically-useful components in accordance with the gradation desired.

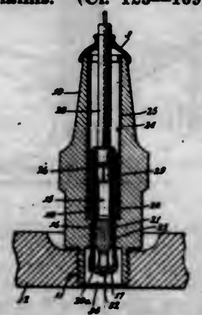
2,202,027

SPARK PLUG CONSTRUCTION

Alexander L. Robb, Pasadena, Calif., assignor, by direct and mesne assignments, to R & R Mfg. Co., Los Angeles, Calif., a corporation of California

Application December 5, 1938, Serial No. 243,994

10 Claims. (Cl. 123—169)



1. In a spark plug for an internal combustion engine or the like, the combination of a body provided with an internal cavity; an electrode assembly located within said cavity and provided with a sparking portion at its lower end; electrical insulating means interposed between the electrode assembly and body to insulate one from the other; and an annular dielectric skirt associated with said insulating means and surrounding the lower end of the electrode assembly but spaced therefrom, said skirt comprising a longitudinally laminated structure of dielectric material and having a thickness not over about .030 inch and a length-to-thickness ratio between 4 and 25.

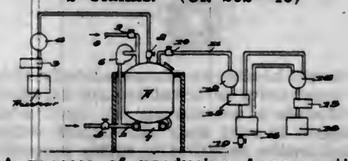
2,202,028

PROCESS FOR PRODUCING HIGH-GRADE ROSIN AND TURPENTINE

Joseph A. Scruggs, Pensacola, Fla.

Application January 18, 1938, Serial No. 185,593

2 Claims. (Cl. 202—46)



1. A process of producing from particles of coniferous wood, turpentine, pine oil and a purified and decolorized rosin, by placing a charge of said wood particles in a vessel, sealing the vessel, circulating the steam through the charge to remove the turpentine and pine oil, removing the residual moisture; then recycling through the charge without condensation superheated hydrocarbon gas of the character of gasoline, which will not crack at the temperatures used, and which superheated gases increase the temperature of the charge to about 520° F.; then drawing from the vessel the hydrocarbon gases by application of vacuum, and then drawing off the purified and decolorized rosin by vacuum distillation induced by the stored heat.

2,202,029

METHOD OF SEPARATING HORMONES FROM BIOLOGICAL MATERIALS

Manasseh G. Sevag, Philadelphia, Pa., assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application October 8, 1937, Serial No. 168,086

9 Claims. (Cl. 167—74)

1. A method of treating biological materials containing among other substances hormones having physiological effects of those present in the anterior pituitary gland to separate the same from other constituents including proteins which comprises agitating said materials with water and an organic water-immiscible liquid capable of combining with protein to cause the formation of a plurality of layers, one of which contains a water solution of said hormones.

2,202,030

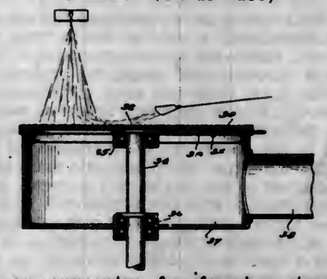
APPARATUS FOR MAKING SLIVERS OR THE LIKE

Claus Siegfried, Dusseldorf, Germany, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application March 8, 1938, Serial No. 194,622

In Germany March 18, 1937

3 Claims. (Cl. 19—150)



1. In an apparatus for forming strands or slivers, the combination of a disk, means for continuously rotating said disk about a stationary axis, said disk consisting of openwork material permitting free passage of air therethrough, means for continuously projecting onto said disk a shower of fibers and causing them to form a web on the disk, and means for continuously drawing the web from the surface of the disk giving said web the form of a sliver.

2,202,031

METHOD OF TREATING YARN

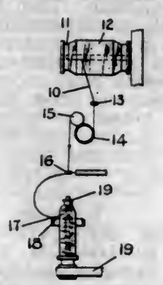
Charles Vernon Smith, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application February 27, 1937, Serial No. 128,237

2 Claims. (Cl. 57—157)

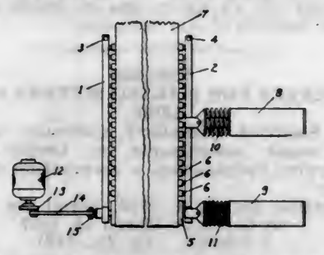
1. The process of twisting threads, strands, cords and the like composed of artificial filaments

which comprises passing said threads, strands,



cords and the like over a rotatable heated roller, and twisting the same while hot.

2,202,032
APPARATUS FOR VIBRATING PAPER MAKING MACHINES
Edward W. Smith, Melrose, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application May 20, 1938, Serial No. 209,037
10 Claims. (Cl. 92—45)



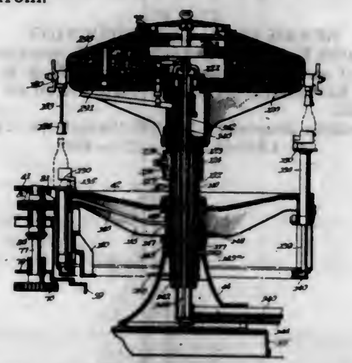
1. A Fourdrinier paper machine having a shake section containing a pair of shake rails pivoted at one end, means for vibrating said section comprising a plurality of separate, independently vibratable mass elements each individually coupled through elastic elements to one of said shake rails at different points, one of said masses being coupled to the shake rail at the center of percussion of the machine, the remaining mass elements being coupled to the shake rail between the center of percussion and the breast roll end of the machine, the several masses and their elastic elements being proportioned to produce with the machine a vibratory system resonant at the desired shake frequency.

2,202,033
FILLING MACHINE
Robert J. Stewart and Wiltie L. Gladfelter, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application August 14, 1934, Serial No. 739,818. Divided and this application February 27, 1937, Serial No. 128,300
20 Claims. (Cl. 226—98)

1. The combination in a filling machine, of a moving filling table, said table being provided with a chamber, a bottle supporting platform reciprocable with respect to said chamber, cam means to engage said platform to move it to a predetermined position, and a source of compressible gaseous fluid under pressure constantly in communication with said chamber to move said platform to another position when out of engagement with said cam means.

9. A filling head including a nozzle adapted to be inserted in a bottle, said nozzle having a passage associated therewith for flow of liquid into a bottle, the mouth of said passage being arranged to direct the liquid against the inner wall of the upper portion of the bottle in a direction substantially tangential with respect to said wall to cause the liquid to flow downwardly upon the wall of the bottle.

15. The combination in a filling machine, of a filling head having a passage therein, a valve in said passage to regulate fluid flow therethrough, means to periodically operate said valve, and a manually operable valve in said passage for opening said passage to atmosphere to vent fluid therefrom.



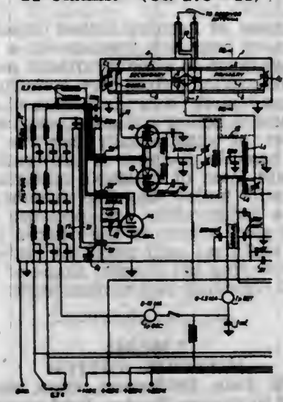
19. The combination in a filling machine, of a moving filling head, a filling valve on the filling head, a vertically movable bottle platform beneath the head, engaging means carried by the platform on the side thereof opposite from said filling valve, valve trips spaced along the path of travel of the filling head and adapted to successively contact the valve, means to move the bottle platform to a predetermined position when a bottle is carried thereby, said last-named means being adapted to move the platform to a second position when no bottle is carried by the platform, and means actuated by said engaging means when the platform is in the second position to render one of said valve trips inoperative, the succeeding valve trips being so positioned that they will fail to contact with the filling valve when it is not operated by said inoperative trip.

2,202,034
WELL HEATER
William K. Thomas, La Porte, Tex.
Application June 1, 1937, Serial No. 145,739
6 Claims. (Cl. 219—33)



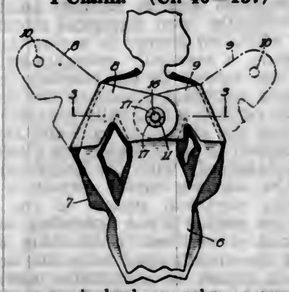
6. In a well heater, an elongated body of highly heat conductive material having longitudinal sockets therein which sockets are open laterally with respect to said body throughout substantially their entire length and width, a secondary body of highly heat conductive material removably positioned within and substantially completely filling each of said sockets respectively, each of said secondary bodies being removable in a lateral direction with respect to said elongated body and through the said lateral openings from said sockets, and an electrical heater element molded into each of said secondary bodies.

2,202,035
ULTRA SHORT WAVE RECEIVER
Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 19, 1936, Serial No. 80,492
14 Claims. (Cl. 178—44)



10. In combination, a tuned circuit comprising an inner and an outer conductor conductively coupled together at one end, another tuned circuit also comprising an inner and an outer conductor coupled together at one end, a direct connection from a point on one inner conductor intermediate its ends to a point on the other inner conductor intermediate its ends, an input circuit coupled to one of said inner conductors at another point intermediate its ends, and an output circuit coupled to the other of said inner conductors also at another point intermediate its ends.

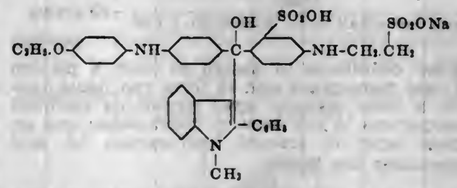
2,202,036
PAPER TOY
Donald M. Warren, La Fayette, Ind.
Application June 23, 1938, Serial No. 215,379
1 Claim. (Cl. 46—157)



In a toy, a main body member, a separate dress therefor, said dress being adapted to overlie the front of said body member and having tabs folded to overlie the back of said body member and closely engage the edges thereof, a single two-part fastening device comprising a post carried by said member and extending rearwardly therefrom and being positioned substantially equidistant from the sides of the member, a cap detachably fitting on said post, said tabs having openings adjacent each free end for receiving said post and being confined thereon between the back of said member and said cap, each tab extending from a point adjacent a respective side of the member towards said post, the free ends of the tabs being overlapped to provide a double thickness of material between the cap and the member.

2,202,037
ACID INDOLYLDIPHENYLMETHANE DYESTUFF
Paul Wolff and Emil Beniers, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application May 13, 1938, Serial No. 207,787. In Germany May 24, 1937
1 Claim. (Cl. 260—319)

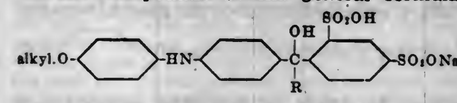
The compound of the formula:



being a dyestuff which dyes wool and silk violet tints which are distinguished by an especial clarity and have very good properties of fastness.

2,202,038
ACID GREEN INDOLYLDIPHENYLMETHANE DYESTUFF
Paul Wolff and Emil Beniers, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application May 13, 1938, Serial No. 207,788. In Germany May 24, 1937
3 Claims. (Cl. 260—319)

1. The compounds of the general formula:

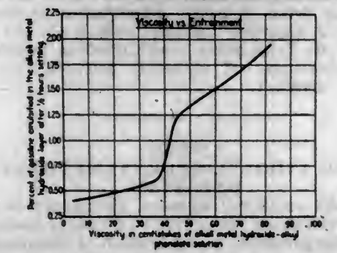


wherein R represents an N-alkyl indole radical bound in its β-position to the methane carbon atom and containing in its α-position a phenyl radical, said compounds being acid dyestuffs yielding greenish tints of good fastness properties.

2,202,039
PROCESS FOR THE REMOVAL OF MERCAPTANS FROM HYDROCARBON DISTILLATES
David Louis Yabroff, Berkeley, and Ellis Ross White, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 25, 1938, Serial No. 215,804
5 Claims. (Cl. 196—30)

1. In the process or refining sour hydrocarbon oils containing mercaptans by extracting with aqueous solutions of alkali metal hydroxides, to produce hydrocarbon oils of low mercaptan and di-sulfide content, the improvement comprising extracting a sour hydrocarbon oil free from preformed di-sulfides and containing mercaptans at a temperature between 32° and 140° F. with a solution which consists essen-

tially of free alkali metal hydroxide, alkali metal alkyl phenolate and water, which has a viscosity at the extraction temperature of less than



37½ centistokes and contains an amount of alkyl phenolate radicals below their saturation concentration and at least equal to

$$\frac{1160}{\text{mols free alkali metal hydroxide}+1.85}-83 \text{ grams per liter}$$

under conditions to absorb at least a portion of said mercaptans and to form two liquid layers, a lower aqueous layer containing absorbed mercaptans in the form of mercaptides, and an upper layer of treated hydrocarbon oil, and separating the layers.

2,202,040

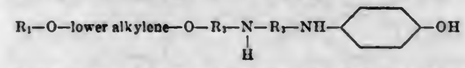
SULPHUR DYESTUFF DERIVED FROM INDOPHENOLS

Werner Zerweck, Frankfort-on-the-Main-Fechenheim, and Wilhelm Hechtenberg, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application February 9, 1938, Serial No. 189,542. In Germany February 13, 1937

2 Claims. (Cl. 260—133)

1. Sulphur dyestuffs obtained by treating with a sulphurizing agent, according to the method customary for the manufacture of sulphur dyestuffs, a leucoindophenol of the general formula:



wherein R_1 stands for a member selected from the group consisting of hydrogen and lower alkyl, R_2 for a member of the group consisting of phenylene and naphthylene and R_3 for a radicle of the benzene series which dyestuffs dye the vegetable fiber from the sodium sulphide bath greenish shades of good fastness properties.

2,202,041

PROCESS FOR OBTAINING CREPE EFFECTS ON FABRICS

Hans Altwegg, Paris, France, and Armin Eichler, Freiburg in Breisgau, Germany, assignors to E. I. du Pont de Nemours & Company, a corporation of Delaware

No Drawing. Original application April 6, 1931, Serial No. 528,240. Divided and this application October 2, 1937, Serial No. 166,984. In Germany April 11, 1930

2 Claims. (Cl. 28—1)

1. A process for producing crepe effects on fabrics which comprises fabricating highly twisted cellulose acetate yarns containing sodium lactate into a fabric, and treating the fabric with an aqueous medium.

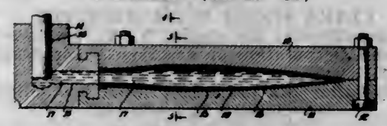
2,202,042

METHOD OF MANUFACTURING HOLLOW OBJECTS

Clinton W. Blount, Upper Montclair, N. J.

Application January 13, 1938, Serial No. 184,799

6 Claims. (Cl. 18—55)



1. A method of forming hollow objects by the application of heat and pressure to a moldable material arranged in a mold, without preforming the material around a fixed core, comprising placing in a mold cavity a random mass of moldable material and a hollow collapsed, expansible, object former of substantially bag-like form so that said bag-like member is substantially covered by said mass of moldable material, injecting into said hollow bag-like member molten metal at a temperature and pressure sufficient to expand said former to the desired form and compress and heat said moldable material to a shell form having the general shape of the mold cavity and removing said molten metal.

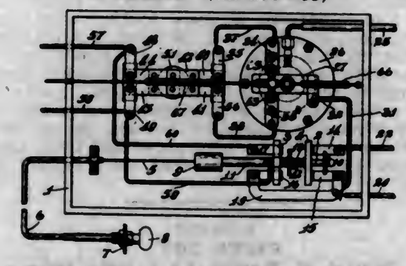
2,202,043

IGNITION SWITCH

Lambert R. Cale, Bridgeport, Ohio, assignor of one-half to George Bayder, Bridgeport, Ohio

Application April 22, 1939, Serial No. 269,340

2 Claims. (Cl. 290—38)



1. In apparatus of the character described, the combination of a vehicle powered with an internal combustion engine having an ignition system, a normally open electrical circuit from a source of electrical energy to a starting motor for said engine, a manually operable switch for controlling the circuit to the starting motor, a normally open electrical circuit to the electrical system of the vehicle, a manually operable switch for controlling the circuit to said electrical system and adapted to be actuated for closing said circuit simultaneously with the actuation of the switch in the starting motor circuit, a second circuit to the electrical system of the vehicle open when the engine is not operating, said circuit including a resilient conducting element maintaining the circuit open when the engine is inoperative, a piston in a cylinder operable by suction in the intake manifold of the engine whose piston rod is connected to the resilient conducting element, said conducting element being moved to circuit closing position by said piston and its rod upon and during operation of the engine to maintain said circuit closed, the circuit to the starting motor and the first mentioned circuit to the electrical system of the vehicle being designed to be opened by actuation of their manual switches upon closing of the

circuit controlled by the resilient conducting element, and a cam associated with and designed to act upon said resilient conducting element and connected to and operable by the throttle of said engine for affording additional means for moving and maintaining said element in circuit closing position when said engine is being operated from the throttle.

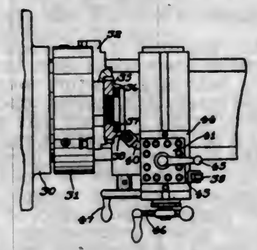
2,202,044

METHOD OF AND APPARATUS FOR MANUFACTURING LOCK NUTS

Albert M. Chambers, Jr., and William Ralph Jenkinson, Rochester, N. Y., assignors, by mesne assignments, to Elastic Stop Nut Corporation, Elizabeth, N. J., a corporation of New Jersey

Application June 15, 1937, Serial No. 148,342

11 Claims. (Cl. 10—72)



2. Apparatus for manufacturing a lock nut of the type in which a non-metallic locking washer is secured in a recess in a metallic nut-body comprising a rotary support for the nut, a member adapted to engage the side wall of said recess, means for rotating the nut, and means for exerting a pressure on said member during the rotation of the nut to bend the side wall of the recess over the washer to secure the washer in the recess.

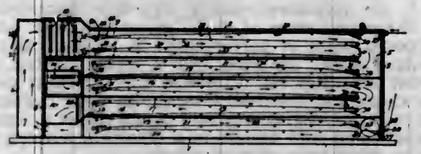
2,202,045

METHOD OF AND APPARATUS FOR DRYING FABRIC

Samuel Cohn, New York, and Jules G. Walter, Ridgewood, N. Y., assignors to Samcoe Holding Corporation, New York, N. Y., a corporation of New York

Application October 30, 1936, Serial No. 108,318

9 Claims. (Cl. 34—48)



1. Apparatus for continuously drying lengths of fabric which comprises a vertical series of horizontal drying compartments, means for conveying the fabric through the compartments in sequence, an air inlet adjacent the fabric discharge end of the last compartment of the series, an air passage connecting the opposite end of said last compartment with an end of the first compartment of the series, air passages connecting the ends of the compartments except the last compartment in series forming a continuous passage for the air through said compartments, and an outlet for the air from the next to the last compartment of the series.

2,202,046

PROCESS FOR THERMAL DEHYDRATION OF LOWER FATTY ACIDS

Henry Dreyfus, London, and Leonard Fallows, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 7, 1937, Serial No. 152,378. In Great Britain July 13, 1936

20 Claims. (Cl. 260—547)

1. Process for the catalystic thermal dehydration of a lower fatty acid having at least two carbon atoms, which comprises vaporizing the fatty acid, preheating the acid vapor to a temperature below that to be employed for the thermal dehydration by at most 100° C. and passing it into a reaction zone in which the thermal dehydration takes place and introducing into the preheated acid vapor a solution containing phosphoric acid.

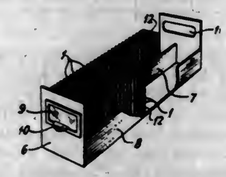
2,202,047

CABINET FOR FILING MICROSCOPIC SLIDES

Joseph C. Ehrlich and Irving J. Ehrlich, New York, N. Y.

Application September 3, 1937, Serial No. 162,265

1 Claim. (Cl. 129—27)



A light-weight combined drawer and tray for filing relatively thin microscopic slides of the type which may be arranged in contact without adhering to each other, comprising a bottom, front and rear metallic walls and side metallic walls, a longitudinal metallic partition dividing said drawer into two parts, each of which is of substantially the same width as the slides to be filed, said width being appreciably shorter than the length of said slides, the side walls and said partition being of less height than the slides to permit access to each row of slides in said drawer, the rear wall of said drawer being provided with an opening, a handle on the front wall of said drawer, whereby said drawer can be removed from a cabinet and carried in the manner of a tray, and an elastic holder of light weight for said slides in the form of a compressible rubber block of substantially the same size as and of much thicker dimensions than said slides in each part of said drawer for maintaining the slides in vertical position.

2,202,048

LUMINOUS MATERIAL AND A METHOD FOR MANUFACTURING THE SAME

Josef Einig, Berlin-Friedrichshagen, and Gerhard Stahlberg, Berlin-Grunau, Germany, assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

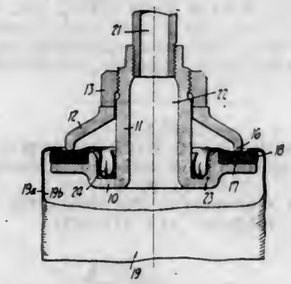
No Drawing. Application May 22, 1937, Serial No. 144,298. In Germany May 28, 1936

7 Claims. (Cl. 250—81)

1. A method of treating an organic X-ray or other fluorescent film having luminous material in said film, said material being taken from the class consisting of zinc and cadmium sulphides,

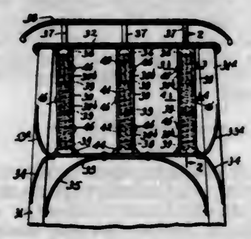
which comprises immersing said film in an alkali metal silicate solution, and then drying said treated film, whereby there is imparted to said luminous material increased resistance to the discoloring effect of sunlight.

2,202,049
FILTER BAG HEAD
Louis A. Fitzgerald, Bodie, Calif., assignor to The Merrill Company, San Francisco, Calif., a corporation of California
Application March 8, 1937, Serial No. 129,586
1 Claim. (Cl. 210—190)



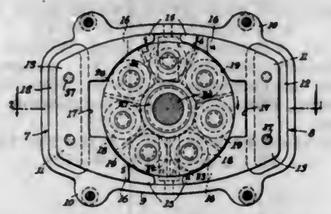
In a device of the character described for use with cloth filter bags, a disc like member having a centrally located stud extending from the upper side of the same, there being a liquid passage through the disc and the stud, an annular clamping member having an opening to receive the stud, an annular area on the upper face of the disc and an annular area on the lower face of the clamping member, said areas forming opposed clamping surfaces adapted to grip and seal upon the inturned upper edge of a cloth filter bag, and an annular recess formed in said disc and disposed about the lower end of the stud, said recess having a depth substantially greater than its width and serving to frictionally retain the gathered end portion of the bag while applying said clamping member.

2,202,050
CUSHIONED BUMPER
John Gibbons, Brooklyn, N. Y.
Application May 2, 1939, Serial No. 271,275
10 Claims. (Cl. 293—55)



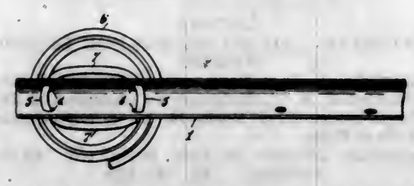
1. A cushioned bumper, comprising a plurality of parallel cylinders for attachment longitudinally on the chassis of a vehicle, a piston slidably mounted in the outer end of each cylinder and having extending piston rods, a bumper member supported on said rods, and each of said cylinders having additional pistons slidably mounted therein at spaced positions and resilient members between all of said pistons and varying in stiffness from each other, each of said cylinders having a plurality of side doors which may be opened to give access to said pistons and resilient members.

2,202,051
ELECTRICAL MACHINE
George A. Gilien, Bronx, N. Y.
Application September 18, 1937, Serial No. 164,428
7 Claims. (Cl. 172—36)



1. An electric machine of the character disclosed, comprising cooperating field and armature structures, said field structure consisting of two U-type field magnets in opposed relation with pole pieces, each having relatively long and short horns separated by an intermediate gap and arranged with the longer and shorter horns in succession in respect to rotation of the armature and said armature including U-type magnets having arcuate segmental polar lobes of substantially the extent of said intermediate gaps and commutating means for energizing the armature magnets with lobes opposed to said separated horns.

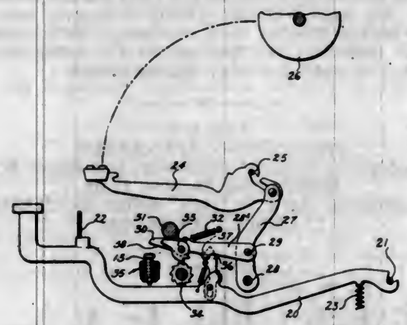
2,202,052
UPHOLSTERY SPRING STRUCTURE
William W. Gleason, Chicago, Ill., assignor to Nachman Springfilled Corporation, Chicago, Ill., a corporation of Illinois
Application April 7, 1938, Serial No. 200,604
3 Claims. (Cl. 5—264)



1. An upholstery spring structure comprising a channeled strip of sheet metal equipped with opposed pairs of perforations in its flanges arranged about an axis, and a spring having its lower terminal coil threaded through said perforations and distorted laterally to cause portions of the same engaged in said perforations to exert pressure on said flanges in a direction tending to force them toward each other.

2,202,053
ADJUSTMENT DEVICE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 11, 1938, Serial No. 213,226
6 Claims. (Cl. 74—526)

1. A row of spaced adjustment screws and a mounting therefor including a channel-shaped metal member through the base of which the screws are threaded with the screw shanks between the channel side walls, a rubber strip along each opposite wall of the channel and clamped

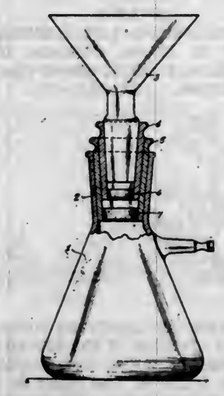


by said walls into frictional engagement with the thread surface of the screws.

2,202,054
ELECTRIC CONTACT ELEMENT
Franz R. Hensel and Kenneth L. Emmert, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application May 2, 1939, Serial No. 271,282
5 Claims. (Cl. 200—166)

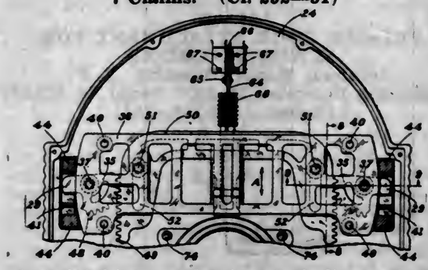
1. An electric contact member, containing as essential ingredients, silver and arsenic.

2,202,055
REDUCING PIECE FOR GLASS INSTRUMENTS FOR LABORATORY TECHNICS
Wilhelm Juffa, Ilmenau, Germany
Application July 15, 1937, Serial No. 153,730
In Germany March 16, 1937
3 Claims. (Cl. 210—112)



1. In combination with a container and a tubular member; a device for interconnecting said container and said tubular member, said device comprising at least one hollow conical reducing piece consisting of glass, said reducing piece reducing the cross-section of said container and having surfaces establishing an air-tight connection between said container and said tubular member, and a loose filter plate removably mounted within said reducing piece to provide a filtering funnel.

2,202,056
LATCHING DEVICE FOR VACUUM CLEANERS
Albert William Kandetzki, Stamford, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application December 21, 1937, Serial No. 181,017
7 Claims. (Cl. 292—51)



1. A latching mechanism including a hollow dish-shaped member, a handle extending outwardly through an opening in said member, a turn block connected to said handle, a bracket secured within said member for pivotally mounting said turn block, a toggle mechanism connected between said turn block and said member, a frame secured to said member, pivoted fingers carried by said frame, a sliding rack secured to said frame for moving said fingers upon movement of said turn block, and a back plate secured to said member having openings adapted to receive bosses for engagement by said fingers.

2,202,057
PRODUCING TRANSPARENT COLORS IN LACQUERS
Heinrich Kobbe, Mannheim, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application May 27, 1937, Serial No. 145,053. In Germany June 11, 1936
8 Claims. (Cl. 134—26)

1. A process of producing transparently colored lacquers which contain as film-forming material a chemically drying binding agent selected from the class consisting of drying oils and condensation products of polyhydric alcohols, polybasic carboxylic acids and drying oils which comprises incorporating therewith solutions of dyestuffs selected from the group consisting of complex metal compounds of azodyestuffs and organic dyestuffs containing sulfonic acid groups which are neutralized by a nitrogen-containing organic base in organic solvents containing oxygen and selected from the class consisting of butanol, benzyl alcohol, the esters thereof with aliphatic monocarboxylic acids, glycol ethers, glycol ether esters and glycol esters, which dyestuffs are insoluble in the lacquers to be dyed.

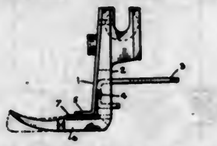
2,202,058
BRASSIÈRE
Helen V. Malnick, Chicago, Ill.
Application March 3, 1938, Serial No. 193,725
8 Claims. (Cl. 2—42)



1. A brassière comprising spaced breast cups each comprising a fabric section shaped to breast

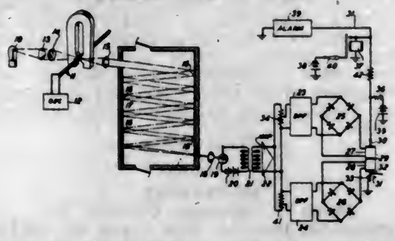
formation, and elongated elastic tapes crossed between said cups, each tape extending along and being attached to the upper margin of one cup and extending along and being attached to the lower margin of the other cup.

2,202,059
PRESSER FOOT ATTACHMENT FOR SEWING MACHINES
Abraham Masler, Brooklyn, N. Y.
Application December 10, 1937, Serial No. 179,093
2 Claims. (Cl. 112—151)



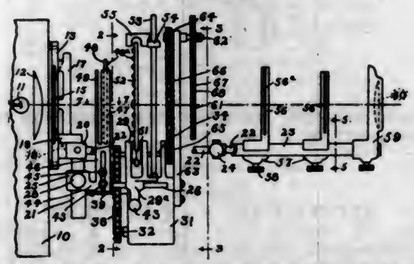
1. In a device of the character indicated a presser foot having a needle hole therein, a substantially horizontal plate, means for securing the same to the presser foot approximately in plane therewith and extending laterally therefrom and forwardly beyond the needle hole said plate having at its side edge opposite said presser foot a downwardly extending guide flange substantially parallel with said foot, the lower edge of which is approximately in plane with the bottom of the foot, there being a space between said guide and foot for the passage of cloth beneath said plate, said securing means comprising an upwardly extending integral post at the rear of the presser foot adapted to be fixed to and from substantially a part of the presser bar, a leaf spring secured to said post above the foot extending downwardly therefrom and having a horizontally turned lower end spaced above the foot, a lever mounted on said post having its work end bearing against said spring to force it outwardly, and an extension of the plate insertable beneath the turned lower end of said spring when the same is raised by the lever.

2,202,060
ALARM SYSTEM
Doren Mitchell, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 12, 1936, Serial No. 115,641
4 Claims. (Cl. 177—314)



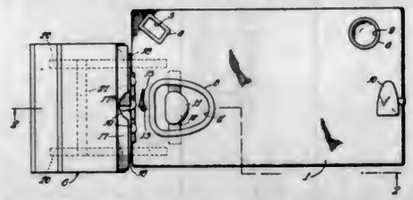
4. In an alarm system, means for projecting across an area to be protected, a beam of energy of varying intensity, a translating device intercepting the beam and generating currents representing the beam variations, an alarm, a relay, means for biasing the relay so that it normally tends to operate the alarm, and two output circuits for the translating device connected to the relay, the first circuit having frequency selective means for passing only currents of a frequency representing normal variations in the beam and being connected to oppose the relay biasing means and the second circuit having frequency selective means offering high impedance to the currents passed by the first circuit and being connected to assist the relay biasing means.

2,202,061
PROJECTING APPARATUS
Robert G. Mobarry, Bellflower, and James B. Dabney, Los Angeles, Calif.
Application April 13, 1938, Serial No. 201,716
11 Claims. (Cl. 88—24)



1. A projecting apparatus comprising a casing containing a source of light, an apertured member adapted to form a light-tight connection with said casing, a condensing lens supported at the rear of said member, a pair of telescopic rods supported by said member, an objective lens supported on said telescopic rods, a pair of guide posts, rigidly connected with the apertured member, a refracting disk between the condensing and the objective lenses, means for rotating said disk, and connections between the latter means and the said posts, said connections being adjustably mounted on said posts, whereby the refracting disk may be moved with respect to the light projected through the said lenses.

2,202,062
MEANS FOR FINISHING LAUNDERED SHIRTS
Leland R. Morse, Chicago, Ill.
Application June 7, 1937, Serial No. 146,797
1 Claim. (Cl. 223—37)

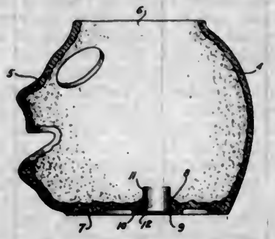


A finishing table for laundered collar-attached shirts having an opening in the top adjacent one end for receiving the collar and positioning the shirt when the front of the shirt is laid upon the table, and a releasable clip secured at one end of a cord passing through the table between the collar opening and the adjacent end, said cord having retractile means upon its other end to normally hold the clip in engagement with the table top and allowing the clip to be extended to engage the shoulder portions of the shirt after the sides and shoulders are folded over a shirt board and hold the shirt in position until a shirt band has been applied to bow the shirt board and secure the shoulder portions in overlapped relation.

2,202,063
MANUFACTURE OF BENZOPHENONE POLYCARBOXYLIC ACIDS
James Ogilvie, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 8, 1938, Serial No. 184,021
19 Claims. (Cl. 260—524)

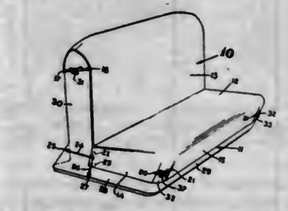
1. The process for the preparation of a benzophenone polycarboxylic acid compound which comprises heating a benzophenone compound containing at least one free carboxylic acid group and at least one nuclear alkyl group with an oxidizing agent selected from the group consisting of the polychromates and chromic acid at a temperature above 150° C.

2,202,064
MOLDED ARTICLE
John H. Olsen, Milwaukee, Wis., assignor to Pulp Reproduction Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 31, 1938, Serial No. 210,940
1 Claim. (Cl. 240—13)



An article of manufacture comprising, a receptacle formed of paper pulp and having a through opening molded centrally in the bottom thereof, said receptacle being provided with an upwardly extending annular recess in its base forming an outer supporting rim and an inner integral annular central depending ridge within said recess and located concentrically of said opening, a tubular element secured within and extending downwardly through said opening terminating at the top of said recess and extending upwardly into said receptacle, and a flat closure plate for the lower end of said opening disposed entirely within said annular ridge above the lower end thereof.

2,202,065
SEAT COVER
Fred Peebles, Pasadena, Calif.
Application June 27, 1938, Serial No. 216,043
1 Claim. (Cl. 155—182)

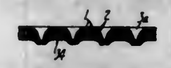


In a seat cover, a piece of fabric cut to form a seat portion, a back portion, side portions and a front portion, said back portion having tucks therein to shape the back to correspond to the shape of the seat back on which it is to be attached, said back portion at the outer end thereof having a tape at each side, said back portion adjacent the outer end having another tape at each side spaced from the first tape, said tapes being adapted to be tied to hold the back portion in place, each of said side portions including a forwardly extending tape, said front portion adjacent each side thereof having a laterally extending tape, said last mentioned tapes being adapted to be secured together to hold the seat cover in place, each of said side portions including a pair of loops, an elastic band mounted on each of said side portions and extending through one of said loops, said elastic band having a hook thereon adapted to engage the seat, said side portions each having another elastic band thereon, said other elastic band being secured to the other loop and having a hook portion thereon adapted to engage the seat, said loops being arranged at right angles to each other and said elastic bands being arranged at right angles to each other.

2,202,066
COLORATION OF TEXTILE MATERIALS
Herbert Platt, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 3, 1938, Serial No. 188,441
10 Claims. (Cl. 8—63)

1. In the process of locally coloring materials comprising organic derivatives of cellulose with a composition containing a dyestuff, the step which comprises incorporating diglycol laurate with the dyestuff.

2,202,067
CHEMICAL HEATING PAD AND METHOD OF MANUFACTURE
Frederick L. Reynolds, Mill Valley, and Leon Markel and Jack A. Siebert, San Francisco, Calif., assignors, by mesne assignments, to United States Appliance Corporation, San Francisco, Calif., a corporation of California
Application May 27, 1938, Serial No. 210,436
6 Claims. (Cl. 132—36.2)

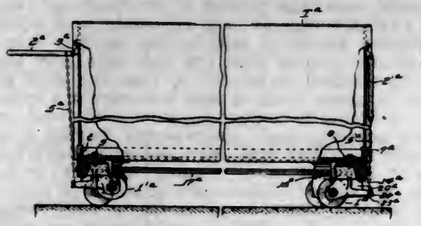


1. In a chemical heating pad of the character described, an assembly comprising at least two sheets of absorbent paper and one interposed sheet of aluminum foil, said sheets being interlocked together as a unitary assembly by perforations extending over the entire area of the same.

2,202,068
DIRECTIONAL CONTROL MEANS FOR MOVABLE TRUCKS AND THE LIKE
Irvin F. Schreck, Cleveland, Ohio, assignor to Bond Foundry & Machine Company, Manheim, Pa., a corporation of Pennsylvania
Application June 6, 1939, Serial No. 277,583
16 Claims. (Cl. 280—48)

1. In combination with a truck or the like including a plurality of swivel casters having caster wheels disposed in substantially the same horizontal plane, supplementary casters respectively adjacent the ends of the truck, and means operable from the ends of the truck for selectively bringing the wheel of one supplementary

caster substantially into said horizontal plane



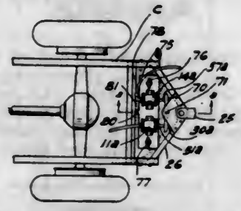
while maintaining the other supplementary caster retracted from said plane.

2,202,069
THERMOSTAT
Hubert S. Turner, New York, N. Y.
Application June 24, 1936, Serial No. 86,998
4 Claims. (Cl. 200—138)



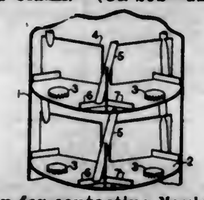
1. A thermostat comprising two members movable toward and away from each other responsive to temperature variations, a pivoted lever arranged between said two members with one end adjacent the end of one of said members, co-operating contacts on the ends of said member and lever, means tending to maintain said contacts in spaced relation, means to limit movement of said contacts away from each other, and means operative upon predetermined movement of said members toward each other to bring said contacts into engagement and also establish frictional connection between said lever and the remaining member.

2,202,070
HYDRAULIC BRAKE COUPLING
Larry Van Deren, Somerton, Ariz.
Application July 6, 1937, Serial No. 152,043
Renewed November 10, 1939
7 Claims. (Cl. 188—3)



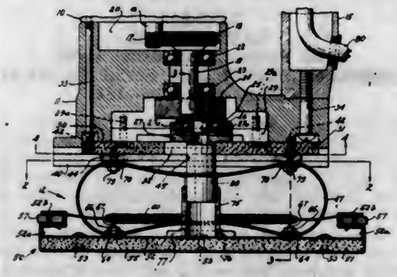
1. In a device of the kind described, a coupler comprising a primary and a secondary piston section detachably related to each other and each having juxtaposed piston rods operatively related whereby the piston rod of said primary section acts upon that of the secondary section to apply the brakes of a trailer, one of said coupler sections having a cup-shaped or cylindrically recessed end portion, and a plate attachable to the mouth of the recessed part as a substitute closure therefor when the secondary section is inoperative, said closure plate carrying a spring positioned to supply opposition to compensate for the force required to actuate the brakes of the trailer.

2,202,071
APPARATUS FOR CONTACTING VAPORS AND LIQUIDS
Jan Roelof Johan van Dongen, Emmastad, Curacao, Dutch West Indies, and Willem Johannes Dominicus van Dijck, The Hague, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 25, 1938, Serial No. 242,356
In the Netherlands November 29, 1937
1 Claim. (Cl. 261—114)



In a column for contacting liquids with vapors, a shell having a substantially circular cross section and containing a series of superposed contact plates, three substantially radially disposed baffles on the upper faces of each of said plates dividing each plate into three sectors of substantially equal size, the outer ends of said baffles being contiguous with the shell and the inner ends of the baffles being spaced apart centrally of the contact plates to permit a restricted liquid communication between the three sectors, each sector being provided with a pair of weirs, one weir extending from the shell to one baffle, and the other weir extending from the shell to the other baffle, thereby dividing each sector into a liquid feed zone, a vapor-liquid contact zone, and a liquid discharge zone, vapor passages in each of said sectors for passing vapors through the plates from immediately below the respective sector, and liquid supply means disposed to discharge liquid from the liquid discharge zones of an upper contact plate to liquid feed zones of a lower contact plate, said supply means being arranged to cause three streams of liquid to traverse the column in the same generally spiral direction.

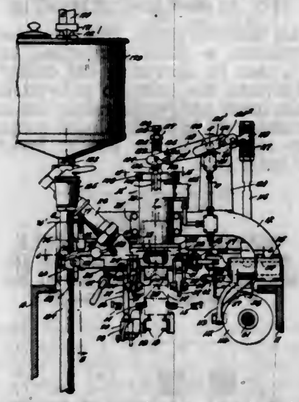
2,202,072
SANDING AND RUBBING DEVICE
William B. Wilson, Los Angeles, Calif., assignor to Sterling Products Company, Los Angeles, Calif., a corporation of California
Application March 29, 1938, Serial No. 198,661
8 Claims. (Cl. 51—170)



1. In a device of the character described, including a base having reciprocating means, a carriage operatively connected to the reciprocating means, said carriage comprising a top plate slidably mounted on the base and a bottom working plate, a cross-bar secured to the underside

of the top plate and a cross-bar secured to the top face of the bottom plate, each of said cross-bars having a slotted portion, and spring spacing members mounted in said slots and disposed longitudinally of the carriage for resiliently holding the top and bottom plates apart.

2,202,073
LIQUID MEASURING AND DISPENSING DEVICE
Julius E. Wollenweber, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application May 26, 1938, Serial No. 210,257
18 Claims. (Cl. 226—99)



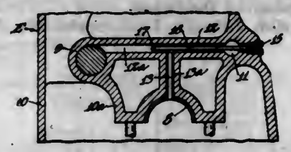
1. In a liquid dispensing apparatus, in combination, a liquid chamber having a discharge port leading downwardly therefrom and terminating in an aperture formed in a seating surface for a slide valve, a slide valve closely seating against said surface and having a port formed therein which may be brought into or out of register with said aperture, said valve having a duct formed therein which leads from the upper end of said valve port to a point of communication with the atmosphere whereby air under atmospheric pressure may freely enter said port at all times.

5. A liquid dispensing apparatus comprising a cylinder, a piston slidably supported therein for movement between fixed stops, a rocker, means supporting the rocker for oscillation about any one of a plurality of axes, and means including a resilient element connecting the piston and rocker.

11. A container charging mechanism comprising in combination, a liquid discharge nozzle, a valve controlling the flow of fluid to said nozzle, a conveyor for containers, valve operating means, and automatic means for rendering the valve operating means inoperative when no container is presented to the discharge nozzle, said automatic means including a manually adjustable member which, when moved to one position renders said automatic means inoperative and when moved to a second position renders said automatic means operative.

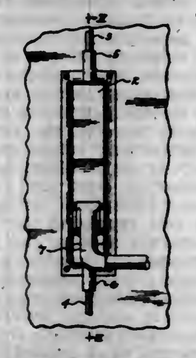
2,202,074
OIL PRESSURE REGULATOR
Glen J. Worel, Minneapolis, Minn., assignor to Thexton Manufacturing Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application September 29, 1938, Serial No. 232,337
4 Claims. (Cl. 184—6)

1. In combination with an automotive engine lubrication system having a first oil duct leading from a normally plugged end thereof through an intersection thereof with a main oil passage to a first bearing and a branch duct to a second bearing branching from said first duct between said intersection and said first bearing, oil pressure regulating means comprising, a relatively slender member adapted to be placed in said first duct and of a length to extend from said normally



plugged end to a point beyond said branch duct, an enlarged element attached to one end of said member and adapted to be secured in said normally plugged end, and an oil-restrictive element of somewhat less diameter than said first duct attached to the remaining end of said member to be maintained thereby in said first duct beyond said branch duct.

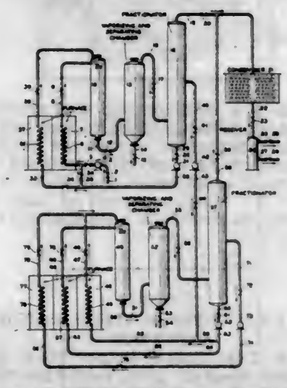
2,202,075
FIRE EXIT DEVICE WITH OUTSIDE CONTROL
Henry F. Yoe, Grosse Pointe Park, Mich.
Application April 27, 1938, Serial No. 204,591
2 Claims. (Cl. 70—92)



1. In a panic type door lock the combination of, a lock casing, a slide adapted to be connected to a door bolt to be operated, guide means reciprocatively mounting said slide to slide vertically in the lock casing, a locking plate, means for slidably mounting said locking plate to slide vertically in said lock casing to reciprocate parallel to and adjacent said slide between two extreme positions and means for locking said plate in either extreme position, a pair of spaced lugs projecting laterally from said locking plate on the side remote from said slide, an aperture extending through said locking plate between said lugs, a lug projecting from said slide and extending through the aperture in said locking plate between said pair of spaced lugs so as to move between the pair of lugs when the plate is in one extreme position, outside unlatching means engaging across the aligned extremities of the three lugs when the slide is locked in said one position and adapted to actuate said slide for unlatching a door from the outside when said plate is locked in its opposite extreme position, and inside latching means engaging said

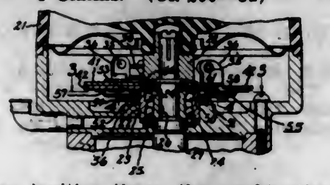
slide independently of said locking plate for unlatching from the inside irrespective of the position of said locking plate.

2,202,076
CONVERSION OF HYDROCARBON OILS
Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 31, 1937, Serial No. 156,747
1 Claim. (Cl. 196—48)



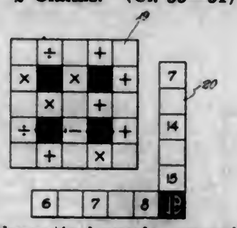
A process for the pyrolytic conversion of hydrocarbon oils which comprises heating a virgin charging oil to cracking temperature at superatmospheric pressure in a heating coil, supplying the heated products to an enlarged reaction chamber wherein their pyrolytic conversion is continued, separating vapors and non-vaporous residue from resulting products, fractionating the vapors to form a relatively low-boiling and a relatively high-boiling reflux condensate, heating the relatively high-boiling reflux condensate to an independently controlled cracking temperature at superatmospheric pressure in a separate heating coil, supplying the heated products from said separate heating coil to said reaction chamber, heating the relatively low-boiling reflux condensate to an independently controlled higher cracking temperature at superatmospheric pressure in another separate heating coil, supplying the heated products from the last mentioned heating coil to an enlarged reaction chamber separate from that first mentioned and therein subjecting the same to continued cracking, separating vapors and non-vaporous residue from the products of the last mentioned cracking operation, separately fractionating the last mentioned vapors to form another relatively high-boiling reflux condensate and another relatively low-boiling reflux condensate, heating the last mentioned relatively high-boiling reflux condensate at superatmospheric pressure in another separate heating coil to an independently controlled cracking temperature and introducing the resulting heated products into said separate reaction chamber, heating the last mentioned relatively low-boiling reflux condensate at superatmospheric pressure in another separate heating coil to a higher cracking temperature than that employed in any of the aforementioned heating coils of the system and introducing the resulting heated products into said separate reaction chamber, subjecting fractionated vapors of the desired end-boiling point from both fractionating steps to condensation and recovering the resulting products.

2,202,077
IGNITION TIMER
James L. Arthur, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 19, 1939, Serial No. 279,935
3 Claims. (Cl. 200—31)



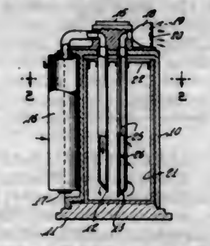
1. In an ignition timer, the combination of a circuit breaker, a plate supporting the circuit breaker, a cam for operating the circuit breaker, a shaft carrying the cam, an anti-friction bearing having inner and outer races, the inner race being mounted on said shaft, and means for insulatingly supporting the circuit breaker plate upon the outer race.

2,202,078
MATHEMATICAL PUZZLE
Joseph R. Bartelt, Chicago, Ill.
Application January 4, 1939, Serial No. 249,286
2 Claims. (Cl. 35—31)



1. A mathematical puzzle, comprising a board having imposed thereon a plurality of intersecting rows, each row being defined by spaced and substantially parallel lines, each row being divided into alternate blank spaces and arithmetical signs, said signs indicating computing operations for a separate problem for each row, said blank spaces being adapted to be filled by numbers completing the terms of said problems, and a separate member applicable to said board and adapted to position a result number for each problem at one end of each row.

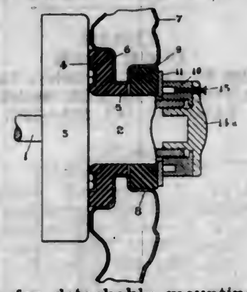
2,202,079
DISPENSER
Waldemar Ayres, New York, N. Y.
Application March 13, 1939, Serial No. 261,509
10 Claims. (Cl. 221—61)



1. A toilet powder duster which comprises a substantially air-tight container for the powder,

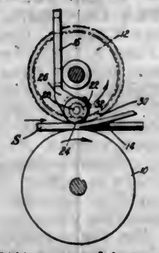
means for supplying gas under pressure to the vicinity of the powder in the interior of the container, and a delivery conduit extending from one extremity to the other of said container and having openings thereinto near each extremity whereby in either of inverted positions at least one of said openings will be exposed above the powder for receiving gas with entrained powder which flows from the gas supplying means.

2,202,080
VEHICLE WHEEL
Frederick William Baker, Stourbridge, England
Application June 29, 1938, Serial No. 216,592
In Great Britain June 28, 1937
2 Claims. (Cl. 152—48)



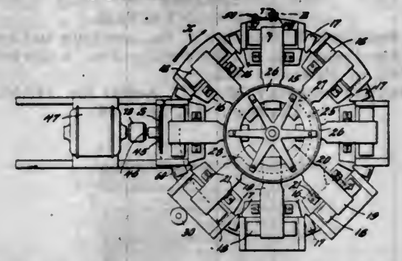
1. Means for detachably mounting a vehicle driving wheel on a hub of the type set forth, comprising a hub, a body of resilient material forming a ring, a detachable pressure member having screwed engagement with the hub and adapted to be screwed endwise on the hub when the hub is rotated to compress the said ring by the driving force applied to the wheel and means for limiting the unscrewing of the said screwed member when the vehicle is driven in reverse, so that the resilient member will be retained in a compressed condition during such reverse drive, comprising a locking member reversely screwed to that of the pressure member and screwed into the bore of the hub, and means for non-rotatably fixing such locking member to the said screwed pressure member whilst allowing relatively axial movement.

2,202,081
STOCK FITTING MACHINE
Sante Baroni, Philadelphia, Pa., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 22, 1938, Serial No. 247,251
7 Claims. (Cl. 12—27)



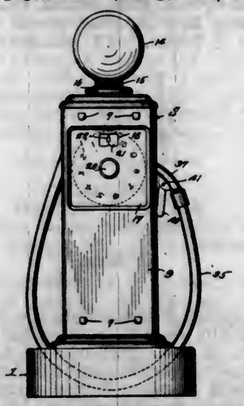
1. In a stock fitting machine, a work support, a knife arranged to operate in the marginal portion of a work piece on said support, work feeding means comprising a feed wheel arranged to engage a work piece on the support inwardly of its edge, an auxiliary feed wheel arranged to engage the work piece ahead of the knife in the direction of the feed, and motion transmitting means for interconnecting the first mentioned feed wheel with the auxiliary feed wheel whereby one of said feed wheels is driven by the other feed wheel.

2,202,082
APPARATUS FOR MAKING CONTAINERS
Charles S. Berkstresser, Lacoochee, Fla., assignor to Cummer Sons Cypress Company, Jacksonville, Fla., a corporation of Florida
Application October 4, 1937, Serial No. 167,290
2 Claims. (Cl. 144—154)



1. Apparatus for fabricating wooden container sides comprising a table mounted for rotation about a fixed axis and having a circular series of work holding pockets equidistantly spaced from said axis, means for continuously rotating said table, a roller movable radially of the table and adapted successively to engage and roll on the outer edges of successive container sides as the latter pass by said roller, means for normally urging said roller toward the table, work clamping mechanism for holding said sides in said pockets, each side being clamped thereby immediately after it has been radially positioned by said roller, and means for intermittently and positively moving said roller outwardly.

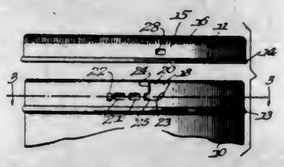
2,202,083
TOY
Diedrich K. Bock, Buffalo, N. Y.
Application October 26, 1939, Serial No. 301,510
4 Claims. (Cl. 46—39)



3. In a toy simulating the appearance and gross operation of a filling station pump for dispensing motor fuel, a support, a shaft journaled in the support, an indicator carried by the shaft, means for rotating the shaft in one direction,

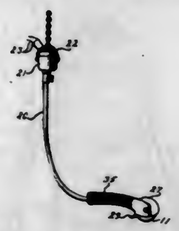
spring-actuated means for rotating the shaft in an opposite direction, retaining means releasably holding the shaft against the impulse of the spring-actuated means, in a position to which it may have been rotated by an operator, a releasing mechanism for the retaining means, and a retarding mechanism comprising a second shaft and gears connecting the shafts, the support having inclined slots receiving the second shaft and serving, when the first-specified shaft is rotated by an operator, to move the gears out of engagement, thereby rendering it unnecessary for an operator to actuate the retarding mechanism.

2,202,084
METAL CONTAINER
Eli Bourland, Philadelphia, Pa., assignor to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 19, 1937, Serial No. 143,593
4 Claims. (Cl. 220—40)



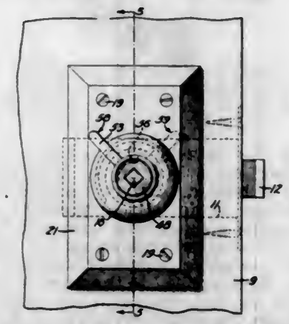
1. A metal container comprising a container body and a container cover, the body having a plurality of locking means spaced about its upper end, each of the locking means comprising an entrance pocket in the outer surface of the container body opening to the upper edge of the latter, a locking pocket circumferentially spaced with respect to the entrance pocket, and an abutment projecting outwardly from the surface of the container body at the side of the locking pocket distant from the entrance pocket, the container cover having a plurality of inwardly projecting lugs formed on the skirt thereof, said lugs being so spaced that one will be arranged for alignment with each of the locking means on the container body.

2,202,085
ROTARY POWER KNIFE
James Cecil Brown, Huntingdon, Quebec, Canada
Application July 26, 1938, Serial No. 221,376
1 Claim. (Cl. 30—276)



A rotary power knife including a casing formed of substantially hollow longitudinal side halves, the interior of each half of said casing having spaced transverse struts, one of said halves having a blade-guard member curved downwardly and forwardly from its forward end and projecting below the longitudinal axis of said casing, a shaft supported in said guard member below the longitudinal axis of said casing, a rotary blade supported on said shaft, and a gear secured to said blade, a driving shaft supported in said casing, the struts on each half of said casing forming bearing supports for said shaft, a worm gear fixed to the forward end of said shaft and engaging the first-mentioned gear, and operating means for driving said shaft extending into the rear end of said casing and operatively connected with said shaft, said casing having a handle portion extending rearwardly from said guard, and being curved longitudinally rearwardly and upwardly with respect to said guard and the axis of the shaft, said casing having a guard for the lower edge of said blade integrally formed with said casing, extending downwardly and rearwardly therefrom, and a rearwardly projecting ripping blade fixed to said casing adjacent said rotary blade.

2,202,086
DOOR LOCK
John F. Ching, Berkeley, Calif.
Application February 20, 1939, Serial No. 257,409
4 Claims. (Cl. 292—359)

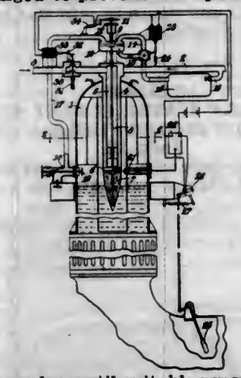


1. In a door lock, including a shaft rotatable to move a latch bolt, a fixed member having therein a lock element spaced from the axis of said shaft, a rotor on and rotatable with said shaft having a lock element therein movable therewith in an orbit about the axis of said shaft and registrable with the lock element of said fixed member during said movement, a lock pin movable through the lock element of said fixed member and into the lock element of said rotor to secure said fixed member and said rotor together against relative rotation, and pressure actuated means for moving said lock pin out of the lock element of said rotor.

2,202,087
FUEL SUPPLY CONTROL MECHANISM
Stanley Percy Christie, Sleights, England
Application June 9, 1937, Serial No. 147,388
In Great Britain June 19, 1936
4 Claims. (Cl. 123—19)

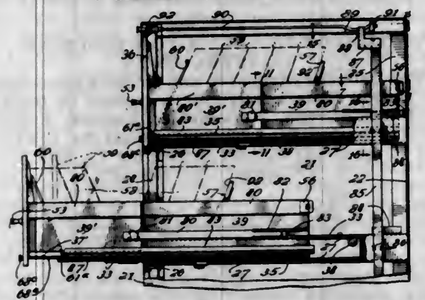
1. In a liquid piston device of the character described having a play pipe and a combustion chamber provided with a fuel admission valve and an exhaust system, a light-responsive device in a position where it will be illuminated by the light emitted by the burning of a fuel charge within the combustion chamber, electrical means controlled by the light-responsive device arranged to act in a manner to tend to close the fuel admission valve when the device is so illuminated, and a second control for the timing of the opening of the fuel valve responsive to the change of flow conditions inside the play pipe

and arranged to prevent the opening of the fuel



admission valve until suitable pressure conditions have been attained in the combustion chamber.

2,202,088
FILING CABINET
James R. Clark, Rochester, N. Y., assignor to Yawman and Erbe Mfg. Co., Rochester, N. Y., a corporation of New York
Application October 24, 1936, Serial No. 107,372
7 Claims. (Cl. 129—16)



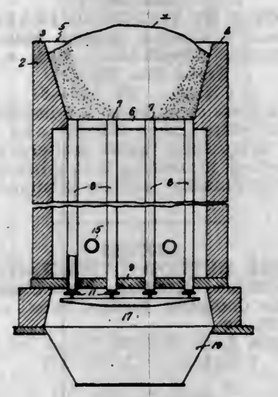
2. A drawer for slidable reception in a filing cabinet, comprising a bottom for supporting files and a front mounted on the drawer for extension relative to the bottom from a rearward vertical position to a forward vertical position, a front compressor for the files pivoted adjacent its lower edge to the forward edge of the bottom, and mechanism operated by the extension of the drawer front for swinging the front compressor about its pivot from a rearwardly inclined position to a forwardly inclined position.

2,202,089
COMB
Thomas Rooks Cobb, Brownsville, Tenn.
Application August 15, 1939, Serial No. 290,327
2 Claims. (Cl. 132—16)



1. A comb comprising a back, and a tooth assembly detachably mounted in the back, the tooth assembly comprising a plurality of teeth, and a flexible strip secured to the butt ends of the teeth, to permit the working ends of the teeth to open easily and to a maximum extent, with the strip as an exposed, terminal hinge, and without contacting and resisting pressure at the butt ends of the teeth, when the teeth are removed from the back.

2,202,090
APPARATUS FOR MAKING ROOFING GRANULES
Clarence L. Colbert, Elizabeth, N. J., assignor to Flake Brick & Granule Company, Boston, Mass., a corporation of Massachusetts
Original application May 27, 1937, Serial No. 145,083. Divided and this application June 16, 1938, Serial No. 214,170
5 Claims. (Cl. 263—29)

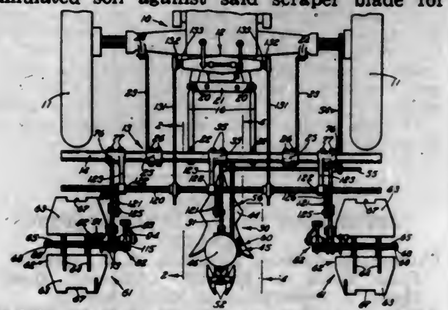


1. Apparatus for treating granules, comprising means for conducting a continuous stream of granules through a heating tube, out of contact with gases reactive therewith, said heating tube having an inlet and an outlet only, for the passage of said granules, and being otherwise without opening, said tube being sufficiently small in cross section to assure a substantially uniform treatment of the granules and sufficiently large to permit the travel of a substantially continuous stream of the granules, means for regulating the temperature of said granules in said tube, and means for removing the granules from said tube and cooling the same, out of contact with gases reactive therewith.

2,202,091
DAMMING DEVICE
Edgar V. Collins, Ames, Iowa, assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 11, 1937, Serial No. 163,430
33 Claims. (Cl. 97—55)

1. In an implement of the class described, for forming a single furrow with longitudinally spaced dams therein, the combination of an implement frame, a single furrow forming tool mounted thereon, and a damming device mounted on said implement frame and spaced laterally from said furrow forming tool, said damming device comprising a scraper blade member adapted to accumulate soil from the sides of a furrow, and means responsive to the pressure of the ac-

cumulated soil against said scraper blade for



disabling the latter, to deposit said accumulation of soil across the furrow.

2,202,092
PROCESS OF FINISHING LEATHER
Leon B. Conant, Boston, Mass.
No Drawing. Application April 4, 1939, Serial No. 265,973
4 Claims. (Cl. 149—6)

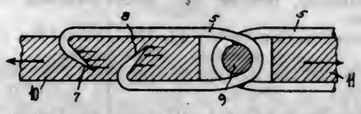
4. The process comprising pre-heating leather at a temperature above 220° F. and removing all of its hygroscopic water content and then, while so heated, immersing it in a hot oleaginous bath of vulcanizable rubber composition and paraffin.

2,202,093
SHOE AND METHOD OF MAKING SHOES
Aram Dagdigian, Reading, Mass., assignor to Shoe Lace Company, Boston, Mass., a corporation of Maine
Application April 13, 1938, Serial No. 201,746
7 Claims. (Cl. 12—142)



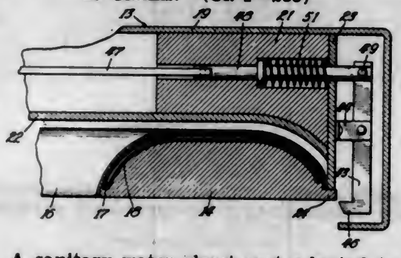
2. An insole for shoes having a marginal compressible strip stitched to one face thereof, said strip having its full breadth inside of the edge of the insole and having sufficient thickness and breadth of body to fill space between and attach together the insole and outsole when an upper is inserted between the insole and outsole, said strip being of material which is readily permeable by cement at its surface which will come next to the outsole.

2,202,094
FASTENER FOR JOINING BELTS AND CONVEYER BANDS
August Daum, Dusseldorf, Germany
Application June 8, 1938, Serial No. 212,587
In Germany July 27, 1937
1 Claim. (Cl. 24—33)



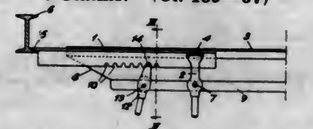
A belt fastener consisting of wire of substantially circular cross section, having two legs connected by a bend, the fastener having inwardly extending ends, each end being sharp and consisting of a substantially plane surface oblique to the axis of the wire and substantially perpendicular to the general plane of the fastener, and located on the side remote from the bend, that portion of each end opposite said flat part being substantially cylindrical.

2,202,095
SANITARY WATER CLOSET SEAT
Roy J. Delhaye and Leslie Delhaye, Highland Park, Ill.
Application December 23, 1938, Serial No. 247,340
10 Claims. (Cl. 4—233)



1. A sanitary water closet seat adapted to be electrically heated for sterilizing the same including a metal outer portion, a heat dissipating metal core within said outer portion, and an energizable heating coil for said seat intermediate said outer portion and core and insulated from each.

2,202,096
TEMPORARY BEAM FOR BUILDING CONSTRUCTION
Cyril Dell, Berkhamsted, and Herbert Louis Read, Hutton Mount, England, assignors to Douglas Harold Green, Westminster, London, England
Application June 23, 1937, Serial No. 149,978
In Great Britain September 17, 1936
7 Claims. (Cl. 189—37)



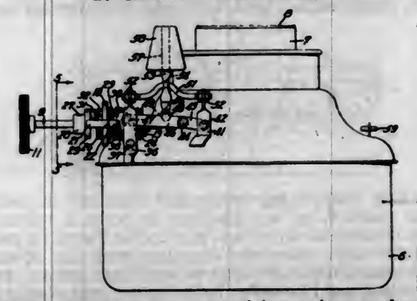
1. An extendible support for use in building construction comprising a main beam, an end piece adjustable longitudinally relative to said main beam to vary the effective length of the support, said end piece being provided on its underside with a rack, and pressure applying means carried by the main beam for clamping together the end piece and main beam in different positions of longitudinal adjustment, said pressure applying means including a lever pivoted to the main beam and cooperating with said rack to adjust the end piece relative to said beam.

2,202,097
LOOSE-LEAF BINDER
Emil N. Farkas, Chicago, Ill., assignor of one-half to Frank F. Farkas, Chicago, Ill.
Application September 9, 1938, Serial No. 229,075
1 Claim. (Cl. 281—21)



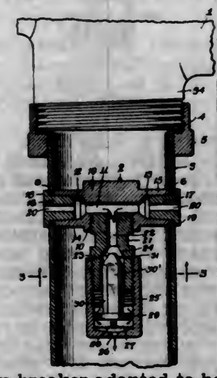
A loose-leaf binder for sheets of paper consisting of a comb of paper for fastening together paper sheets having perforations, said comb having teeth and scored portions to define easy tear lines in the back constituting extensions of the teeth, the teeth of the comb projecting through the perforations of the sheets with the ends of the teeth bent back and attached to the corresponding scored portions of the comb.

2,202,098
SAFETY DEVICE FOR OIL HEATERS
Raymond H. Gelder, Alameda, and Russell R. Gordon, Piedmont, Calif.
Application April 10, 1939, Serial No. 267,000
10 Claims. (Cl. 67—77)



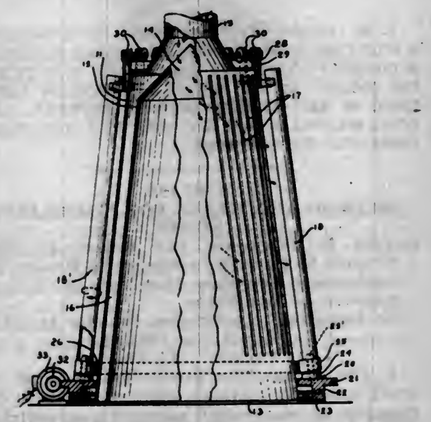
2. In an oil burner comprising a burner housing having a wick and mechanism including a rotatable shaft operatively connected to move said wick from an exposed position exterior of said burner housing, wherein the wick may be lighted to provide a burner flame, to a concealed position within said burner housing wherein the burner flame is smothered and extinguished, a clutch including a pair of relatively engageable and releasable members, one of which is fixed to and rotatable with said shaft, normally restrained releasable pressure means connected with and to rotate the other of said clutch members, means carried by said other of the clutch members and operative upon relative rotation between said clutch members for successively moving said clutch members relatively into engaged and released positions, and gravity actuated means for releasing said restrained pressure means.

2,202,099
VACUUM BREAKER FOR FLUSHOMETERS
Daniel A. Gillen, Flushing, N. Y.
Application February 9, 1939, Serial No. 255,442
6 Claims. (Cl. 137—69)



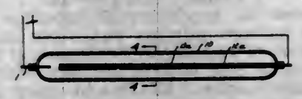
4. A vacuum breaker adapted to be installed in the tail-piece of a flushometer, a pair of tubular thimbles extending through the side walls of said tail-piece, a tubular body supported by said thimbles, and a valve for regulating the passage of air through said body into said tail-piece, said valve being gravity actuated.

2,202,100
GLASS COOLING APPARATUS
Jesse Grant, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application January 31, 1939, Serial No. 253,841
4 Claims. (Cl. 49—14)



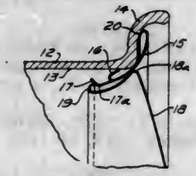
1. In a glass cooling apparatus, an air chamber having a series of slots in a wall thereof arranged in an arc, a conveyor traveling in a path concentric to the axis of such arc and having supports for tubular glass articles to be carried by said conveyor past said series of slots, and means for rotating said supports about their own axes during the movement of said conveyor.

2,202,101
GLOW DISCHARGE TUBE
Maurice F. Hasler, West Hollywood, and Roland W. Lindhurst and Philip Cravitz, Los Angeles, Calif.
Substituted for abandoned application Serial No. 55,396, December 20, 1935. This application October 23, 1937, Serial No. 170,558
22 Claims. (Cl. 176—122)



11. A gaseous glow discharge tube of extended length having an anode in one end thereof, an equipotential cathode within and extending lengthwise of said tube, the forward end of said cathode being spaced by a gap from said anode, and an impedance sheath completely surrounding the working length of said cathode, said sheath decreasing in impedance from the forward end toward the rearward portion of the cathode, and said impedance sheath increasing the available length of illumination along the extended cathode by increasing the positive column drop at points far removed from the anode as compared with points near the anode.

2,202,102
VEHICLE WHEEL
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application September 18, 1937, Serial No. 164,447
9 Claims. (Cl. 301—37)



1. A vehicle wheel including, in combination, a trim ring having a circular toothed portion and a plurality of resilient fingers, said trim ring being secured to said wheel by frictional engagement of said toothed portion therewith, and a cover secured to said trim ring by a snap engagement with the said fingers.

2,202,103
METHOD AND MEANS FOR STABILIZING SOAPS
Lauren B. Hitchcock and Robert E. Divine, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, New York. N. Y., a corporation of New York
No Drawing. Application October 14, 1937, Serial No. 168,994
15 Claims. (Cl. 87—16)

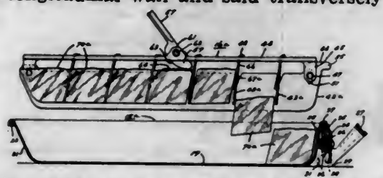
1. The process for production of soap relatively free from metals tending to promote deterioration of soap which comprises saponifying a suitable fatty material by means of an aqueous solution of caustic soda, containing sensible quantities of such metals, in presence of a commensurate quantity of a sulphur compound which forms with said metals compounds that are relatively innocuous with respect to soap as well as relatively insoluble and tend to settle in fluid soap, allowing the products to settle and separate and removing the relatively metal-free upper or "neat soap" layer.

2,202,104
MANUFACTURE OF MOTOR FUELS
Vladimir Ipatieff and Raymond E. Schaad, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 18, 1936, Serial No. 75,227
1 Claim. (Cl. 196—10)

A process for producing di-isobutene from a normally gaseous mixture consisting essentially of four carbon atom hydrocarbons and containing isobutene and normal butenes, which comprises subjecting said mixture in vapor phase at a temperature of about 210° F. and under a pressure of about 100 pounds per square inch to the action of a siliceous catalyst containing approximately 30% phosphoric acid, whereby to selectively polymerize the isobutene.

2,202,105
REFRIGERATING APPARATUS
James W. Jacobs, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 7, 1938, Serial No. 217,934
14 Claims. (Cl. 62—108.5)

1. In combination, a tray having a grid disposed therein, said grid comprising a substantially non-flexible longitudinal wall and a plurality of substantially non-flexible walls disposed in spaced apart relation along the length of said longitudinal wall and extending transversely through the plane thereof to divide the interior of said tray into rows of ice block compartments, said transversely extending grid walls being normally inclined with respect to the bottom of said tray to provide said ice block compartments with a parallelogram form in one direction of cross-section therethrough, said grid also including a member disposed above said longitudinal wall and extending lengthwise therewith, said member, said longitudinal wall and said transversely ex-



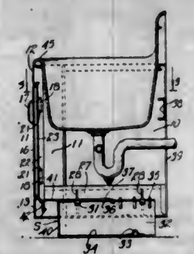
tending walls being connected together in movable relation to one another to form a unitary removable grid structure, means for elevating said unitary grid structure together with ice blocks adhering thereto relative to said tray, means for elevating said member relative to said longitudinal grid wall after said unitary grid structure has been elevated relative to the tray, the connections between said plurality of transversely extending grid walls and said member being such that said transversely extending grid walls are elevated along with said member by said second named means upwardly of said longitudinal grid wall, and said transversely extending grid walls engaging said longitudinal grid wall in such manner as to be moved relative thereto and to one another by said second named means out of their normal disposition of inclination to enlarge said compartments and break ice block therefrom for liberating the ice blocks from said unitary grid structure.

2,202,106
DOLL'S EYE CONSTRUCTION
Arthur J. Knott, Natick, Mass.
Application August 4, 1936, Serial No. 94,148
Renewed March 11, 1939
8 Claims. (Cl. 46—169)



1. In an eye set for a doll's head having a pair of spaced eye receiving sockets of spherical contour the combination of, eye members shaped to fit and to be received one in each of the sockets, means connecting the eye members for common rotary movement thereof, said means having a cylindrical portion intermediate its ends, spring means engaging the cylindrical portion to resiliently urge the eye members into the sockets, and means independently mounted in the doll's head and normally spaced from, and out of engagement as an entirety with, the cylindrical portion, said last-named means including means for limiting the amount of movement of the cylindrical portion inwardly of the doll's head but leaving the cylindrical portion free as to the direction of such movement.

2,202,107
KITCHEN CABINET
Max Korn, Brooklyn, N. Y.
Application November 8, 1938, Serial No. 239,463
4 Claims. (Cl. 312—169)



1. In combination, an elongated unitary support having outer side walls, a hollow cabinet including spaced and fixed and transversely arranged partitions closely straddling said walls and bodily movable vertically relative to the latter and each having spaced and vertically arranged slot means, spaced bolt means carried by said walls and projecting through said slot means to vertically guide said cabinet relative to said support, and rotatable clamping means carried by said bolt means to hold said cabinet in a set position relative to said support, said support being disposed centrally of said cabinet and sustaining the entire weight of the latter when elevated relative to said support.

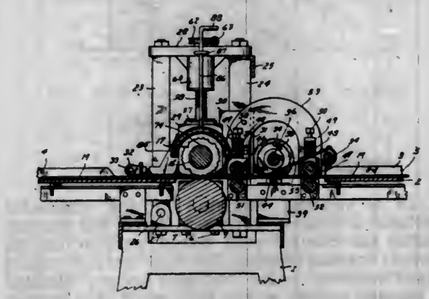
2,202,108
REFRACTORY METAL COMPOSITION
Clemens A. Laise, Tenafly, N. J.; Fidelity Union Trust Company and Rudolf Sievert, executors of said Clemens A. Laise, deceased
No Drawing. Application July 13, 1937, Serial No. 153,357
6 Claims. (Cl. 176—132)

3. An incandescent metallic filament composed of an alloy of predominantly tungsten and a small percentage of rhenium and vanadium.

2,202,109
WOOD FINISHING PROCESS
Sam Maurer, Vancouver, British Columbia, Canada, assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
No Drawing. Application December 1, 1937, Serial No. 177,653
6 Claims. (Cl. 101—32)

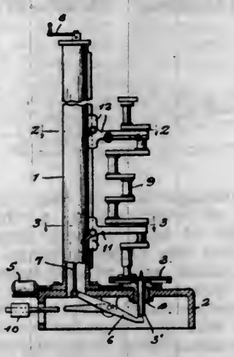
3. The method of creating patterns or designs upon the surface of wood and similarly used products, consisting of providing an incising roller comprising a plurality of closely spaced incising discs, heating said discs to enable them to cleanly and sharply penetrate said surface, rotating said incising roller in engagement with said surface to cause said incising disc to penetrate said surface, and thereafter applying a sealer to seal said surface and the walls of the incisions created by the incising discs.

2,202,110
WOODWORK INCISING MACHINE
Sam Maurer, Vancouver, British Columbia, Canada, assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application June 1, 1938, Serial No. 211,132
8 Claims. (Cl. 101—24)



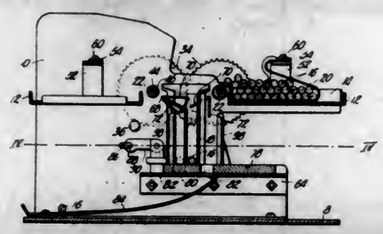
8. A wood surface incising machine comprising a plurality of discs forming an incising roller, the peripheral edge of each of said discs being serrated to form incisors, means to heat said incisors, and means to feed material through said machine at a speed so that said incisors will produce clean-cut incisions in said material without branding or burning said material during contact therewith.

2,202,111
MACHINE FOR GRINDING THE CRANK PINS OF CRANKSHAFTS
Carl Mayer, Frankfort-on-the-Oder, Germany, assignor to Rudolf Nolle, Berlin, Germany
Application November 23, 1938, Serial No. 242,067
In Germany July 22, 1936
8 Claims. (Cl. 51—123)



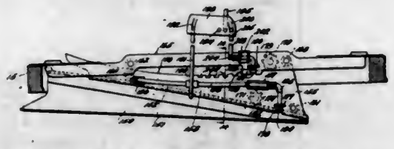
1. A machine for grinding the crank pins of crank shafts by means of the flat front face of a grinding wheel having its axis perpendicular to the axis of the bearing, in which the crank shaft rotates in adjustable bearing clamps, and in which the grinding wheel is positioned opposite a bearing clamp, a vertical support, said bearing clamps being slidably mounted thereon, a face plate for support of the crank shaft, means for turning and lifting the face plate, and means adjusting the degree of lifting movement according to the width of the crank pin to be ground.

2,202,112
VENDING MACHINE
Addison P. McKelvy, Kansas City, Mo., assignor to Alfred D. McKelvy, New York, N. Y.
Application February 14, 1938, Serial No. 190,464
7 Claims. (Cl. 312—80)



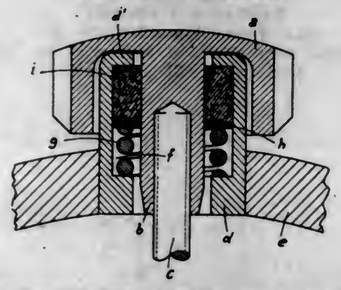
1. In a vending machine of the character described, a hopper having a flared top portion forming its mouth, said flared portion having openings formed through the wall thereof means to feed vendible units into said hopper through the mouth; means at the bottom of said hopper for singly ejecting the units therefrom; an agitator at the mouth of said hopper comprising a rebent plate, V-shaped in cross section, hanging upon the upper edge of the hopper along its bight, one wall of said agitator projecting into the flared portion of the hopper and having fingers thereon projecting through said openings and toward the other wall whereby to bridge the space therebetween; and means carried by said ejecting means and adapted to be moved to engage the other wall of said agitator to move the same around its line of bearing.

2,202,113
MOTOR VEHICLE
Pearle N. Miller, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 12, 1936, Serial No. 110,529
10 Claims. (Cl. 155—14)



1. An adjustable seat of the class described comprising, in combination, a shiftable seat frame, a pair of longitudinally extending supporting frames one disposed beneath each side of said seat frame, each of said frames comprising a base member adapted to rest upon the floor, an intermediately disposed member supported upon said base member for substantially longitudinal adjustment along the latter, means for supporting said seat frame for rocking movement in an arcuate path upon said intermediate member, racks on each of said intermediate and base members, a cross shaft rotatably mounted in said seat frame and connecting opposite sides thereof, gears secured to the ends of said shaft and meshing with the racks on the intermediate members, a cross shaft rotatably mounted in and connecting the opposite intermediate members, and gears secured to the ends of said last named shafts and meshing with the racks on the base members, whereby uniform adjusting movement of each side of said seat is assured.

2,202,114
EXTERIOR OPERATING MEMBER FOR WATERTIGHT WATCHES
Ernest Morf, La Chaux-de-Fonds, Switzerland
Application August 5, 1938, Serial No. 223,343
In Switzerland August 9, 1937
5 Claims. (Cl. 58—90)

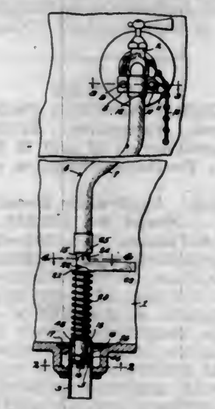


1. In a watertight watch having a case band, a stationary member fast to the case band, an operating member susceptible of an axial displacement with respect to said stationary member, a resilient packing touching said two members, and a spring adapted to press said packing against the two members, both packing and spring being held in axial direction by one of the two members only.

2,202,115
TREATMENT OF HYDROCARBONS
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 30, 1937, Serial No. 182,519
12 Claims. (Cl. 260—676)

1. A process for the production of octanes which comprises subjecting butanes at temperatures of the order of —50 to +20° C. to treatment with butenes in the presence of hydrochloric acid and zinc.

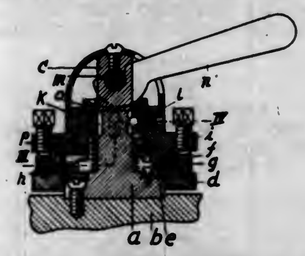
2,202,116
DEVICE FOR CLEANING WASTE PIPES
Thomas Mosley, Lawton, Okla.
Application January 22, 1940, Serial No. 315,081
3 Claims. (Cl. 285—44)



1. In a device for dislodging an obstruction from a clogged waste pipe, a pressure conduit,

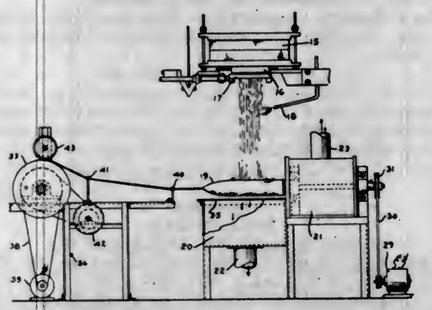
pipe-engaging anchorage means on the lower portion of the conduit, a sealing foot through which the conduit is slidable, a lever including a cam pivotally mounted on the conduit, and a compression spring surrounding the conduit and interposed between the cam and the foot.

2,202,117
MULTIPLE TOOL HOLDER
Konrad Müller, Berlin, Germany
Application March 4, 1939, Serial No. 259,891
In Germany February 28, 1938
4 Claims. (Cl. 29—49)



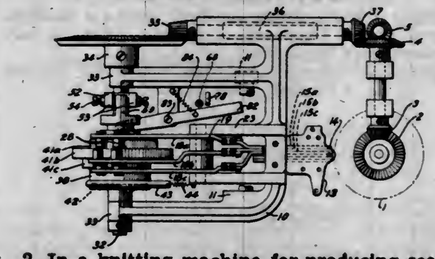
1. A multiple tool-holder consisting of a support, a base portion secured to said support, a cutter-holding head, freely pivotable about an axis with respect to the base portion, and two self-centering substantially plane crown-toothed rings, one of which is rigidly connected with the base and the other with the pivotable tool-holding head, and which, without any additional means, provides the connection and the precise positioning of the active cutting edges of the tools in the horizontal, vertical, and peripheral directions.

2,202,118
SLIVER FORMATION
Ralph C. Newman and John W. Romig, Corning, N. Y., assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application August 25, 1937, Serial No. 160,908
31 Claims. (Cl. 57—5)



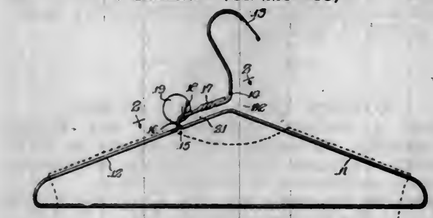
8. In combination, means for producing a continuous supply of fibrous material, means adjacent thereto for collecting said fibres in the form of a felted cylindrical mass, said collecting means comprising a rotating cylindrical mandrel and means for creating a region of subatmospheric pressure adjacent the surface thereof, and means adjacent said collecting means for withdrawing said fibres axially of said means.

2,202,119
KNITTING MACHINE
Gerrit Henry Nyhuis, Hobart, Ind., assignor to Paramount Textile Machinery Co., Chicago, Ill., a corporation of Illinois
Application October 7, 1937, Serial No. 167,847
4 Claims. (Cl. 66—138)



2. In a knitting machine for producing seamless, ringless stockings a main pattern drum, a rotating cylinder supporting a series of needles; a plurality of independently movable feeds for feeding as many individual main yarns of the same kind and nominal gauge; a rotatable drum normally at rest and having circumferentially spaced cam segments, one individual to each feed; means interconnecting said drum and said feeds, a driving source; a clutch interposed between said driving source and said drums; and means under the control of the main pattern drum to engage and disengage said clutch and thereby initiate and terminate rotation of said drum relative to said cylinder during the knitting of predetermined portions of the stocking at a rate of speed inversely proportional to the number of feeds to actuate said feeds, so that one thereof serves its yarn for one course of the knitting, another thereof for the next course, and so on alternately and repeatedly during the knitting of said predetermined portions of the stocking.

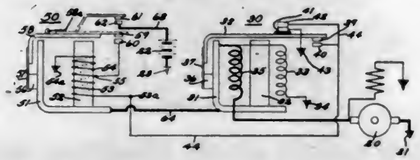
2,202,120
GARMENT HANGER
Byron T. Petty, Effingham, Ill.
Application August 31, 1936, Serial No. 98,651
7 Claims. (Cl. 223—88)



3. A garment hanger formed of a piece of wire bent to form a loop comprising the body of the hanger and including angularly disposed shoulder portions, the two ends of the wire extending away from said loop in an untwisted side by side relation to form a clip and thereafter twisted together with one end extending farther and forming a hook for the hanger; the untwisted portions forming said clip being of sufficient length to be readily flexed to permit insertion of a tag therebetween and extending upwardly from the body of the hanger at a substantial distance from the meeting point of said shoulder portions, whereby said upwardly extending wires form a stop to prevent dresses sliding up on one of said shoulder portions, and the remainder of the wire ends

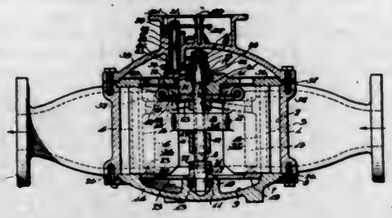
being spaced above said body portion whereby said hanger may be inserted into a relatively narrow-necked dress.

2,202,121
BATTERY CHARGING SYSTEM
William J. Rady, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 23, 1938, Serial No. 191,899
4 Claims. (Cl. 171—314)



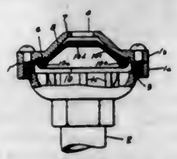
1. A battery charging system comprising a prime mover, a generator driven thereby, a battery charged by the generator, a battery charging circuit, a reverse current relay having an electromagnet energized by a shunt coil responsive to generator voltage and by a series coil in the battery charging circuit and having a pair of normally open contacts and an armature for actuating said contacts; a pair of normally closed contacts opened by the armature when closing the relay contacts; a circuit breaker relay comprising an electromagnet and an armature; a circuit, established by the movement of attraction of the reverse current relay to close the normally open contacts and to open the normally closed contacts, for causing the battery to be connected with the electromagnet of the circuit breaker relay; a circuit, established by the movement of attraction of the circuit breaker relay armature to complete the battery charging circuit and for making connection between the battery and electromagnet of the circuit breaker relay independently of the connection made by reverse current relay; and a circuit, established by a return of the reverse current relay armature to normal position and engagement of the normally closed contacts for causing the electromagnet of the circuit breaker relay to be rendered inoperative, whereupon the battery charging circuit is interrupted.

2,202,122
ROTARY TYPE FLUID METER
Nelson J. Seibert, Wilkinsburg, and Horace Chrisman, Edgewood, Pa., assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 29, 1934, Serial No. 759,774
6 Claims. (Cl. 73—259)



1. In a fluid meter; a casing having a measuring chamber; a top cover member for said chamber; a bottom cover member for said chamber; radial bearing means in said bottom cover member; combined radial and axial thrust anti-friction bearing means supported in said top cover and including an inner race; a vertical shaft extending through said chamber, said shaft being journalled in said radial bearing and secured to said inner race so as to be journalled in, and supported by, said anti-friction bearing means; a rotor secured to, and suspended by, said shaft within said chamber, said rotor being provided with track means; a relatively fixed cam; and radially movable vanes carried by said rotor and cooperating with said cam to be moved radially thereby, said vanes being provided with rollers engaging said track means, whereby said rotor and vanes are suspended from said top cover member in predetermined spaced relation to said covers.

2,202,123
VACUUM PREVENTER
Victor W. Strode, Portland, Oreg.
Application January 8, 1938, Serial No. 184,016
9 Claims. (Cl. 251—119)



4. In a vacuum breaker of the character described, a body member, a chamber formed in said body member with convergent top walls and an axial vent opening and a cup shaped rubber valve member supported below the top walls and vent that is adapted to float into engagement therewith upon access of water therebeneath, the said cup shaped rubber valve being characterized by a convergent top wall of lesser pitch than the mating wall of the chamber.

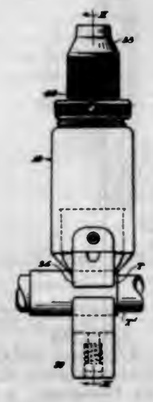
2,202,124
CELLULOSE DERIVATIVE COMPOSITION
Harold James Tattersall, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 25, 1938, Serial No. 221,239. In Great Britain August 10, 1936
14 Claims. (Cl. 106—40)

1. A cellulose derivative composition taken from the class consisting of cellulose ethers and carboxylic acid esters having incorporated therein a salt of dimethyl phosphoric acid.

2,202,125
PIPE PRESS
Robert Temple, Jr., Pittsburgh, Pa.
Application November 19, 1938, Serial No. 241,477
9 Claims. (Cl. 140—113)

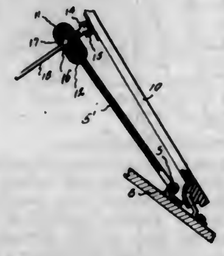
1. In apparatus for compressing a tubular member or the like, a frame having a bore therein, a cylinder adjustably received in the bore, a piston slidably mounted in the cylinder, an anvil carried by the frame in alignment with the movement of the piston, complementary dies removably carried by the piston and anvil, means for advancing the cylinder in the frame to bring the dies into engagement with the tubular member, and means associated with the cylinder for removably receiving and detonating an explosive

charge behind the piston to force the dies into



complete engagement around the full circumference of the tubular member.

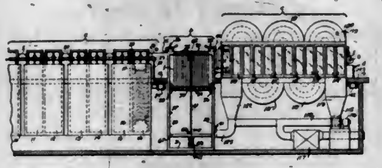
2,202,126
DUAL ACCELERATOR
Jesús M. Tercero, Laredo, Tex.
Application October 6, 1939, Serial No. 298,314
In Mexico October 7, 1938
3 Claims. (Cl. 74—513)



1. A dual accelerator for motor vehicles comprising a main accelerator pedal having a ball and socket operating connection, an auxiliary accelerator pedal, a U-shaped rod pivotally anchored at its intermediate portion to the floor of the vehicle, one end of the rod being secured to the auxiliary pedal and an adapter carried at the other end of the rod and interposed between the ball and socket connection of said main pedal.

2,202,127
FILM APPARATUS
Albert W. Tondreau, Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application July 29, 1938, Serial No. 221,955
3 Claims. (Cl. 271—2.3)

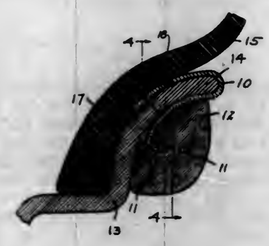
1. Film apparatus comprising the combination of upper and lower sets of film spools adapted to guide an elongated film therearound, means rotatably supporting said upper set of spools in fixed position, a vertically movable spool head, means rotatably mounting said lower set of spools on said spool head whereby said lower set of spools and said spool head are supported by said film to maintain said film under tension, a normally inoperative electro-magnetic brake adapted to arrest the vertical movement of said spool head, an electric circuit for said brake, a movable element in engagement with said tensioned film, said element being adapted to move beyond a predetermined point when the tension in said film is released, and means operable in response to the movement of said element beyond said predetermined point for closing said circuit.



2,202,128
LUBRICATING COMPOSITION
Charles C. Towne, Beacon, N. Y., and Wilfred N. Meyer, Pryse, Ky.
No Drawing. Application November 26, 1937, Serial No. 176,642
9 Claims. (Cl. 87—9)

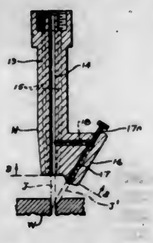
4. An oily lubricant comprising a mineral lubricating oil normally tending to cause bearing corrosion, and a small amount of the order of 0.01–0.25% of added concentrated strong mineral acid to retard said corrosion.

2,202,129
WHEEL BALANCE WEIGHT
Earl W. Turner, Kokomo, Ind., assignor of one-third to himself; one-third to Ellen E. Turner, one-sixth to Earl W. Turner, trustee for John E. Turner, one-sixth to Earl W. Turner, trustee for Helen C. Turner
Application August 13, 1938, Serial No. 224,697
2 Claims. (Cl. 301—5)



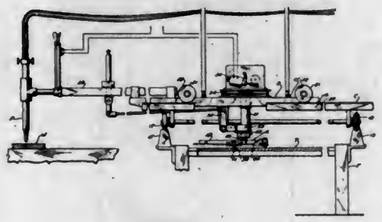
1. In a wheel balance weight for engagement over the edge of a tire rim, the combination of a weight, a spring clip carrying the weight up against the outside of the rim and extending over the lip of the rim down inside thereof in yielding compressive engagement with both sides of the rim, the free end of the clip on the inside of the rim being curved longitudinally and transversely to conform to the rim curvature, said clip having a member near each corner of said end extending integrally from the clip against the rim, said member being shaped to bite into the rim under pressure exerted by the clip and further aided by pressure against the clip exerted by the tire carried by the rim.

2,202,130
METAL SHAPING PROCESS AND APPARATUS
Robert L. Wagner, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application February 23, 1934, Serial No. 712,524
Renewed January 7, 1938
23 Claims. (Cl. 148—9)



17. A cutting blowpipe comprising means for projecting a high-velocity main gaseous cutting jet against a workpiece; and means for convergently projecting an auxiliary low-velocity gaseous cutting jet uninterruptedly against and into confluence with said main cutting jet.

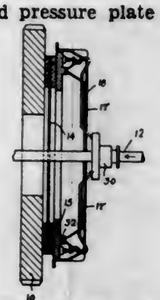
2,202,131
CIRCLE CUTTING APPARATUS
Robert L. Wagner, Niagara Falls, N. Y., assignor, by mesne assignments, to Oxweld Acetylene Company, a corporation of West Virginia
Application May 28, 1937, Serial No. 145,280
Renewed July 11, 1939
18 Claims. (Cl. 266—23)



1. In a machine of the character described, the combination of a tool for operating on a workpiece, means for supporting said tool for universal movement in a plane, a shaft carried by said supporting means substantially perpendicular to the plane of movement of said tool, means for rotating said shaft, and means attached to said shaft for moving said tool in a circular path, said last-named means including a pin slidably mounted with respect thereto for pivotal engagement with a fixed socket, and a stop for limiting the sliding motion of said pin.

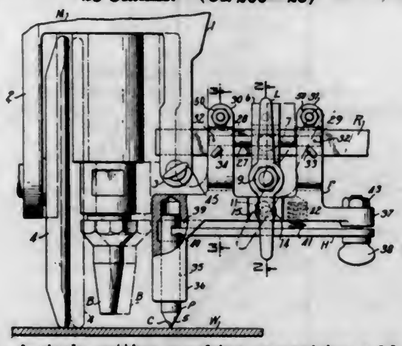
2,202,132
CLUTCH PLATE CONSTRUCTION
Clarence G. Wood, Cleveland, Ohio
Application March 15, 1938, Serial No. 196,029
10 Claims. (Cl. 192—68)

1. In a clutch assembly, a cover, a shaft, a pressure plate shiftable to engage and disengage the clutch, means to shift said pressure plate and disengage said clutch, and other means including an annular sheet spring member of V-shaped cross-section interposed between said cover and said pressure plate to re-engage the



clutch surfaces when said clutch disengaging means is released.

2,202,133
CIRCLE CUTTING MACHINE
Lloyd W. Young, Scotch Plains, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application November 29, 1938, Serial No. 242,880
25 Claims. (Cl. 266—23)



1. A circle cutting machine comprising a blowpipe carriage having a traction wheel adapted to roll on the work, a center pin resiliently urged against said work, means including a hand lever for changing the radial distance between said center pin and said blowpipe carriage, the arrangement being such that the operation of said hand lever acts to change the radial distance between said center pin and said carriage, and a center pin lifting bar for elevating said center pin above the work surface.

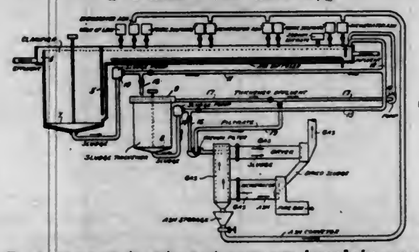
2,202,134
WEB PERFECTING ROTARY PRESS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application October 4, 1938, Serial No. 233,183
3 Claims. (Cl. 101—179)



1. In a multicolor web perfecting rotary printing press, first and second printing units, first and second drying units therefor, said drying

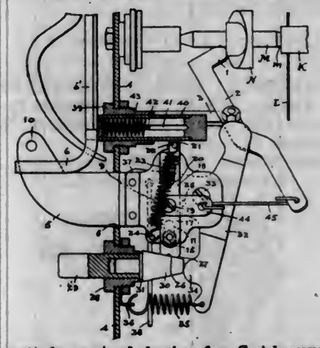
units being located in substantially the same horizontal plane, each printing unit comprising an impression cylinder and a plurality of form cylinders arranged around the same, said impression cylinder having a diameter equal to four times the diameter of each of its form cylinders, a web supply roll and means for leading the web through said units.

2,202,135
TREATING SEWAGE
John G. Bevan, New York, N. Y., assignor to Guggenheim Brothers, New York, N. Y., a copartnership
Application April 6, 1935, Serial No. 15,011
1 Claim. (Cl. 210—2)



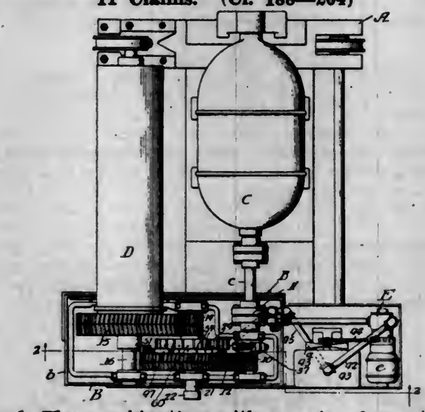
In a sewage treatment process involving aeration of the sewage to coagulate putrescible matter therein, the improvement which comprises aerating the sewage in the presence of sodium nitrate.

2,202,136
SWITCH CONTROL DEVICE FOR FLUID PUMPS
William H. D. Brouse, Toronto, Ontario, Canada, assignor to International Metal Industries Limited, Toronto, Ontario, Canada
Application May 7, 1938, Serial No. 206,627
4 Claims. (Cl. 221—95)



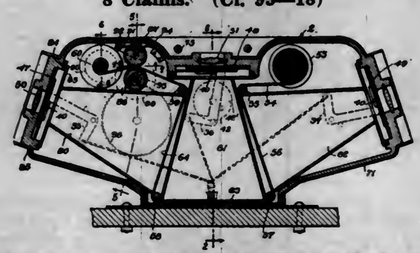
4. A switch control device for fluid pumps comprising the combination with a motor starting switch and a dispensing nozzle, of a rigid hook for supporting said nozzle, a "stopping" plunger spring held outwardly above said hook, a "starting" plunger slidably mounted below said hook, a rigid support extending inwardly from said hook between said plungers, a rocker member mounted on said rigid support and having its opposite ends extending into alignment with said plungers, a toggle latch mechanism mounted on said rigid support adapted to engage in locking contact with the "starting" plunger and extending into alignment with the end of the "stopping" plunger to be broken to release the latch by the operation of said "stopping" plunger, said "stopping" plunger when engaged by said dispensing nozzle mounted on the hook extending inwardly and locking said rocker member and "starting" plunger, and means for resetting the toggle latch mechanism.

2,202,137
MECHANICAL LOAD BRAKE
Arthur J. Brown, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application October 31, 1938, Serial No. 237,858
11 Claims. (Cl. 188—264)



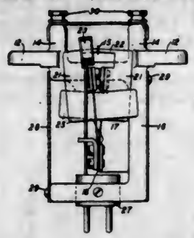
1. The combination with a pair of coacting rotary brake-members provided with friction-faces, one of said members being provided with ports and with an exposed outer face with which said ports communicate, of means for forcing oil under pressure from said exposed outer face through said ports for cooling said latter member.

2,202,138
CAMERA
Charles W. Buckham, Scarsdale, N. Y.
Application November 16, 1938, Serial No. 240,763
8 Claims. (Cl. 95—18)



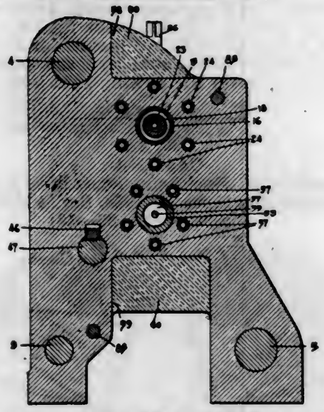
1. A camera of the character described comprising an outer casing adapted to be secured to a support, an independent removable inner casing forming a plurality of diverging focusing chambers, an intermediate casing adapted to support a lens and shutter mechanism in line with one end of each of said chambers, means for guiding and holding in place a film across the inner end of each of said focusing chambers, a lever for causing each of said shutter mechanisms to function, and an independent cable connected to each of said levers whereby when any of said cables is pulled a shutter will be caused to function and when all of said cables are pulled simultaneously all of said shutters will function simultaneously.

2,202,139
MAGNETIC TELEGRAPHONE
Frederick G. Buhrendorf, Hastings-on-Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 13, 1939, Serial No. 284,141
5 Claims. (Cl. 179—100.2)



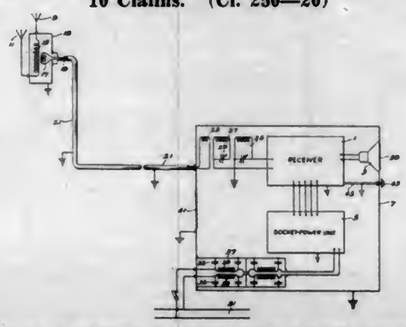
1. A telegraphone pole-piece assembly comprising a thin flat spring having at least one free end, supporting means therefor, a pair of thin flat spring members secured at one end to the free end of the spring and extending at right angles thereto in substantially the plane of the spring and a pair of companion pole-pieces secured in opposing relationship to the other ends of the spring members.

2,202,140
INJECTION MOLDING APPARATUS
Charles F. Burroughs, East Orange, N. J.
Application August 4, 1936, Serial No. 94,251
10 Claims. (Cl. 18—30)



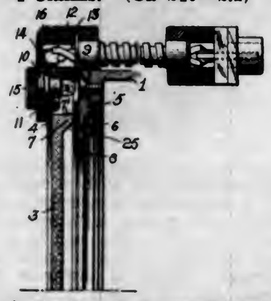
8. Apparatus for molding material comprising, in combination, an injection chamber, hydraulically operated means for discharging material from said injection chamber, a preheating chamber, hydraulically operated ram and cylinder means for forcing material through said preheating chamber and into said injection chamber, a mold operating ram and cylinder, a source of operating fluid pressure, control means for supplying operating fluid simultaneously to said mold operating ram and to said hydraulically operated means for forcing material through said preheating chamber whereby during the filling of said injection chamber a mold is closed, means for thereafter supplying operating fluid to said hydraulically operated means for discharging material from said injection chamber into the mold, a pressure release valve normally operative to prevent such injection operation, and means for controlling said release valve so as to initiate said injection operation after a predetermined pressure has been built up in said hydraulic cylinders to operate both said mold closing ram and said hydraulically operated means which forces material through the preheating chamber.

2,202,141
SIGNAL RECEIVING SYSTEM
Wendell La Verne Carlson, Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 25, 1931, Serial No. 518,113
10 Claims. (Cl. 250—20)



8. In a system for protecting a radio receiver from local interference, in combination, an antenna, a lead-in from said antenna to said receiver, a grounded conducting sheath surrounding said lead-in over substantially its entire length, a step-down transformer interposed between said antenna and the head of said lead-in and a step-up transformer interposed between the foot of said lead-in and said receiver, the step-down turns ratio of said first transformer being somewhat less than the step-up turns ratio of said second transformer.

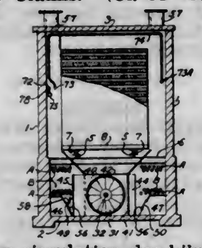
2,202,142
INSTRUMENT DIAL ILLUMINATION
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 27, 1937, Serial No. 133,313
4 Claims. (Cl. 240—2.1)



1. In an indicating instrument having a front plate with an opening therein through which the indicator behind said plate is visible, a flat window in said opening spaced from the front plate by a circular rim extension or ring, a small lamp positioned adjacent the space between said window and plate to shine its rays through said ring and between the back of the window and the

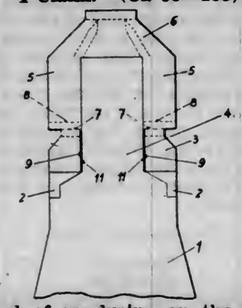
indicator to thereby illuminate the latter by reflected light, a reflecting surface behind said lamp covering a substantial arc of said rim, and a substantially opaque mask covering the part of said ring nearest the lamp, whereby substantially uniform illumination of the dial is secured.

2,202,143
DRY KILN AND IN THE ART OF KILN DRYING
James Forrest Cobb, Portland, Oreg.
Application June 3, 1935, Serial No. 24,655
10 Claims. (Cl. 34—46)



2. In a cross circulation dry kiln having stock loads therein, a heating system at one end, a heating system at the other end, a humidifying system in said kiln, a dry bulb controller having a thermostatic bulb at one end, for controlling the heat supplied to the heating system at that end, a dry bulb controller having a thermostatic bulb at the other end of said kiln for controlling the heat supplied to said heating system at that end, a dual dry bulb for each of said dry bulb controllers, each on the opposite side of adjacent loads from the said dry bulbs, a wet bulb control having a thermostatic wet bulb in said kiln for actuating the humidifying system, whereby the temperature and humidity of entering air are controlled at each end of said kiln.

2,202,144
PRODUCTION OF STOCKINGS
Herbert Dietrich, Meinersdorf, Germany
Application June 12, 1939, Serial No. 278,701
In Germany June 24, 1938
1 Claim. (Cl. 66—185)

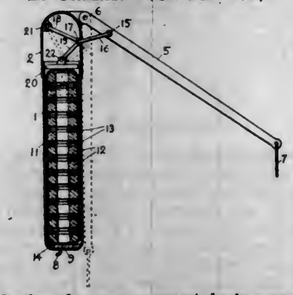


A method of producing on the flat knitting frame a stocking which has a French foot and to the leg of which first the heel portions and, simultaneously, between them, though separately therefrom, the initial instep portion followed by the remaining portion thereof as well as the sole portions and the toe are knitted, the sole portions forming a seamless unitary structure merely with the front portion of the instep, consisting in knitting, after completion of the heel portions and the initial instep portion, the front portion of the instep on to the initial portion without interruption and, simultaneously, starting to work the sole portions which form the continuation of the heel portions and which are thus shortened to the extent of the heel portions, and subsequently inserting or otherwise working in the portions still required to complete the sole.

2,202,145
OIL SYNERGIST FOR INSECTICIDES
Craig Eagleson, Fruitdale, Tex., dedicated to the free use of the People in the territory of the United States
No Drawing. Application October 3, 1938, Serial No. 233,010
3 Claims. (Cl. 167—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

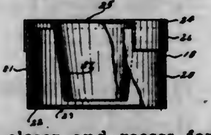
3. An insecticide containing as its essential active ingredient a material selected from the group of plant extractives consisting of pyrethrins and rotenone, with sesame oil added.

2,202,146
DEVICE FOR PERMANENT HAIR WAVING
Victor Gee, Whitestone, N. Y., assignor of sixty per cent to Dimitri Alavidze, New York, N. Y.
Application June 30, 1939, Serial No. 282,012
12 Claims. (Cl. 132—33)



12. A device for permanent hair waving comprising a tubular container adapted to support a lock of hair, the container being adapted to hold chemical substances adapted to develop exothermic heat when mixed together and normally prevented from being mixed by separating walls, a manually operable member on the container, and means on the container operatively connected with the member for breaking down the separating walls, thereby allowing the substances to mix together when the member is manually operated.

2,202,147
EMPLACEMENT FORMER
Fred Gerrets, Alexandria, Va.
Application June 3, 1939, Serial No. 277,305
7 Claims. (Cl. 72—0.5)



1. A pipe closer and recess former for concrete structures, consisting of a body member having an annular wall constructed to lie around a pipe in spaced relation thereto and having a bottom flange projected inwardly therefrom to lie close to and circumscribe such pipe, a top

plate member thereon constituting a closure for the device and an inner annular wall depending therefrom to lie within an engaged pipe, said top plate member being of thin sheet metal adapted to be easily cut with common edged tools.

2,202,148
COMBINED INSECTICIDE AND LARVICIDE
Joseph M. Ginsburg, New Brunswick, N. J., assignor to Endowment Foundation, New Brunswick, N. J., a corporation of New Jersey
No Drawing. Application June 21, 1939, Serial No. 280,306
17 Claims. (Cl. 167—24)

1. An insecticide and mosquito larvicide including an oil derived from petroleum, an extract of pyrethrum, and a compound in small amount taken from the class of thio-diaryl-amines, but having synergistic action with the extract of pyrethrum, water and an emulsifier.

2,202,149
TIMING DEVICE FOR TELEPHONES
Bernard N. Gottlieb, Brooklyn, N. Y.
Application August 30, 1937, Serial No. 161,594
14 Claims. (Cl. 179—158)



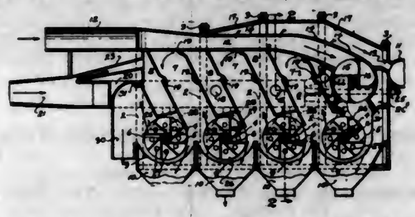
1. In combination with a telephone a timing device, lever means actuated by said timing device to depress the switch of the said telephone after the lapse of an interval of time when the telephone receiver is not in its normal resting place, said lever means being adjustable between operative and inoperative position, and means in association with said lever and timing device to wind the latter as the former is adjusted from inoperative position to operative position.

2,202,150
ELECTRIC CONTACTING ELEMENT
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application February 24, 1939, Serial No. 258,187
2 Claims. (Cl. 219—4)

2. An electric contacting element of the type comprising contactor contacts, work-engaging pressure exerting electrodes and the like, said element being characterized by high hardness and high electrical conductivity and formed of an alloy composed essentially of .002 to 1% lithium, .02 to 15% silver and the balance substantially all copper.

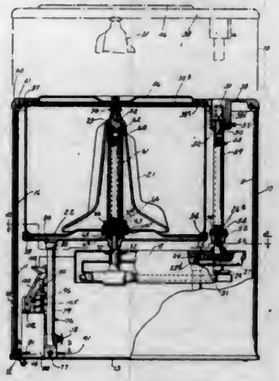
2,202,151
COMBINED CLEANER AND DRIER FOR COTTON
Frank B. Hinckley, Jr., Dallas, Tex.
Application May 19, 1938, Serial No. 208,848
5 Claims. (Cl. 19—93)

5. A cotton cleaning machine including a series of fan drums, baffles above and in inclined relationship with the axes of said drums defining air chambers, the latter having air blast nozzles directed upwardly and downwardly with respect to said baffles and drums to effect arcu-



ate motion of material between said baffles as said material is progressively transported by said drums through said machine.

2,202,152
DOMESTIC WASHING MACHINE
John R. Hurley, Wheaton, Ill.
Application November 21, 1938, Serial No. 241,594
12 Claims. (Cl. 68—22)

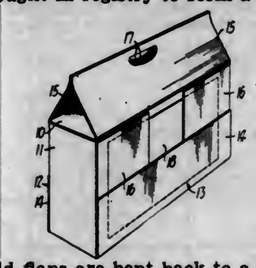


1. In combination, a pair of upright telescopically associated casings of tubular cross-section, one of said casings being stationary and provided with casters at its lower end for supporting it on the floor, a washing machine mounted within said casings and including a tub connected for support at the upper end of the other casing, an agitator in the tub, a fixed support in said one casing, a motor and driving mechanism mounted on the support, and extensible driving connections between the driving mechanism and the agitator, and manually operated means, within the stationary casing, for raising and lowering said other casing, tub and agitator as a unit in telescoping relation to said stationary casing, and thereby varying the height of the tub relatively to the floor.

2,202,153
CARTON
Kenneth B. Jones, San Francisco, Calif., assignor to Barrett & Hilp, San Francisco, Calif., a copartnership composed of J. Frank Barrett and Harry H. Hilp
Application October 3, 1938, Serial No. 232,914
2 Claims. (Cl. 229—37)

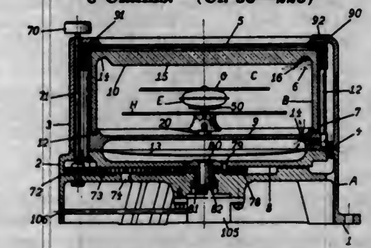
1. In a packaging carton, fibreboard stock forming a rectangularly contoured carton having six walls, the top and bottom walls being formed by fibreboard flaps attached to the side and end walls, two of the flaps attached to a common side wall being provided with openings adapted

to be brought in registry to form a carrying grip



when said flaps are bent back to a position with their free edges substantially in contact.

2,202,154
APERIODIC COMPASS
Paul Kollsman, New York, N. Y., assignor, by mesne assignments, to Square D Company, Detroit, Mich., a corporation of Michigan
Application May 25, 1936, Serial No. 81,604
8 Claims. (Cl. 33—223)

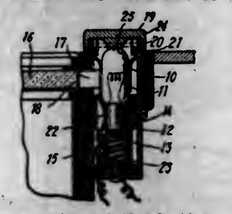


1. A directional instrument comprising, in combination, a support; a direction responsive element mounted thereon for freedom to turn about, and tilt relatively to, a first axis of said support; an elongated pointer carried by said element thereby partaking of all movements of said element; an elongated reference member settable for a predetermined course in azimuth, said member extending alongside said pointer for establishing a reference direction by parallelism, or lack of it, with said pointer, said reference member being mounted on said support for freedom to tilt relatively to said support about an axis substantially normal to and for setting in azimuth about said first axis; and means for setting said reference member relatively to said pointer by rotation about said first axis to indicate a predetermined course.

6. A compass having a bowl; a direction indicating needle mounted within said bowl; parallel rods located within said bowl on opposite sides of said needle to cooperate therewith for indicating a predetermined course when said needle is in parallel with said rods; and means for setting the position of said rods in accordance with the course to be steered.

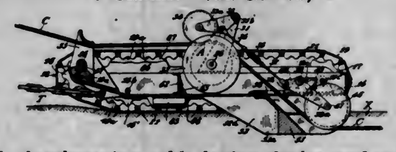
2,202,155
MINIATURE ELECTRIC LAMP BULB AND SOCKET COMBINATION
Paul Kollsman, New York, N. Y., assignor, by mesne assignments, to Square D Company, Detroit, Mich., a corporation of Michigan
Original application October 15, 1937, Serial No. 169,121. Divided and this application May 24, 1939, Serial No. 275,391
3 Claims. (Cl. 176—32)

1. The combination of a lamp socket member providing a tubular passage and having an opening at one end and an aperture at one side for the emission of light; a lamp comprising a filament, a bulb of smaller diameter than said passage, and a tubular base, said lamp being insertable into said passage through said opening into a position in which the filament is adjacent to



said aperture; a spring at the bottom of said passage adapted to be distorted by insertion of said lamp; and a cap member having a finger operable grip portion and means for removably fastening it to the socket member at the said opening of said passage, said cap member having a configuration bearing against said lamp thereby compressing said spring.

2,202,156
APPARATUS FOR LAYING SUBMARINE CABLES
Chester S. Lawton, Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application February 23, 1938, Serial No. 192,114
7 Claims. (Cl. 61—72)

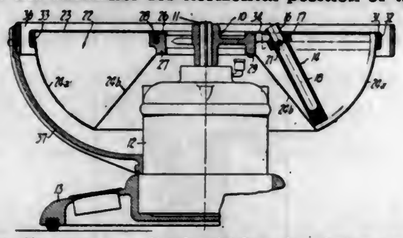


1. A submarine cable laying device and means for causing the device to travel along under water on the bed of the body of water on which the cable is to lie, means for paying out the cable to the device as it travels along, said device having rotatable means for positively feeding the cable through the device as it travels along and at a rate substantially equal to the forward movement of the device, means on said device movable by the cable to different operative positions in accordance with the degree of tension on the cable as it passes through the device, and means controlled by said last named means and coacting with said rotatable feeding means to grip the cable and prevent excessive tension on the cable ahead of the device from being applied to the cable laid behind the device.

2,202,157
CENTRIFUGE
Henri G. Levy, San Francisco, Calif.
Application June 30, 1937, Serial No. 151,212
4 Claims. (Cl. 233—26)

1. In a centrifuge of the character described, a head mounted for rotation about a vertical axis, a plurality of holders secured to said head and adapted to receive individual containers, said holders being pivotally secured to the head whereby the containers assume a generally upright position when the head is stationary and swing outwardly to a common horizontal plane when the head is rotated, a circularly contoured housing fixed to rotate with the head and having upper

and lower sides extending generally above and below said holders and said containers for both generally upright and horizontal positions of the same, said housing being formed to entirely enclose the container for horizontal position of the



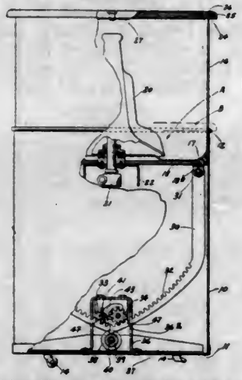
same, the upper wall of said housing being provided with openings to permit introduction and removal of containers with respect to the holders, said openings being formed above the regions of said pivotal connections.

2,202,158

DOMESTIC WASHING MACHINE

Gustave Lidseen, Oak Park, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois

Application October 14, 1938, Serial No. 234,991
9 Claims. (Cl. 312—22)



1. In combination, an upright casing of tubular cross-section, a washing machine mounted for telescopic movement into and out of the upper end of the casing, said washing machine including a frame, and a tub mounted on the frame, and manually operated means for moving the washing machine into and out of the casing for varying the height of said washing machine relatively to the floor, said means including a pair of oppositely extending depending arms, pivotally connected at their upper ends to said frame, the lower portions of said arms being formed as racks, and cooperating, axially aligned pinion gears supported in the lower end of the casing and meshing with the rack portions of said arms.

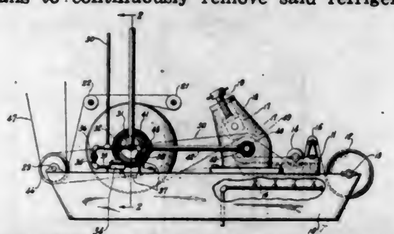
2,202,159

WAXING MACHINE

Nicholas Marcalus, Elizabeth, N. J.

Application March 17, 1937, Serial No. 131,419
1 Claim. (Cl. 91—55)

A wax coating machine comprising in combination, a base, a tank thereon containing a supply of heated and melted wax, a drum rotatably mounted on said base, means to slowly supply a vaporizing refrigerant from a source under pressure and in liquid form to the interior thereof, means to continuously remove said refrigerant



from said drum after evaporation, and means to pass material to be coated through said tank and around said chilled drum, whereby said waxed material is rapidly chilled.

2,202,160

PLASTIC COMPOSITION FOR USE IN INTERLAYER SHEETS

Barnard M. Marks, Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 13, 1939, Serial No. 284,204
9 Claims. (Cl. 49—92)

7. Laminated glass comprising a sheet of glass and, bonded thereto, an interlayer sheet comprising 100 parts of a polyvinyl butyral resin of the following analysis:

Polyvinyl acetate	per cent	0–2.0
Polyvinyl alcohol	do	17.5–22.0
Polyvinyl butyral		Balance

and, as a plasticizer therefor, 43–51 parts of triethylene glycol dipelargonate.

2,202,161

PRODUCTION OF COMPOSITIONS CONTAINING COMPONENTS OF THE VITAMIN B COMPLEX

Carl S. Miner, Glencoe, Ill., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application October 30, 1937, Serial No. 172,038
17 Claims. (Cl. 99—5)

1. A vitaminizing product for supplying components of the vitamin B complex, comprising a preparation of the fermentation residue of a vegetable carbohydrate containing mash fermented by butyl alcohol producing bacteria, containing butyl synthesized components of the vitamin B complex in a concentration substantially exceeding dietetic requirements with respect to the other materials present therein.

9. In a process for synthesizing components of the vitamin B complex, the steps which comprise fermenting a fermentable vegetable carbohydrate containing mash by the action of butyl alcohol producing bacteria and treating the fermented residue to obtain a vitamin concentrate substantially more potent than dried butyl residue.

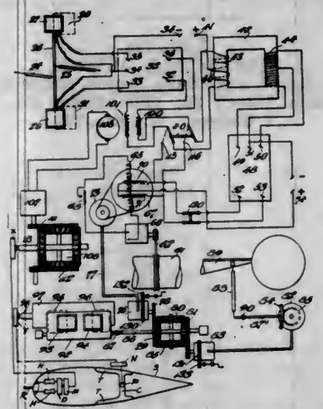
2,202,162

ANTIROLLING STABILIZATION OF SHIPS

Nicolai Minorsky, Brooklyn, N. Y.

Application November 21, 1936, Serial No. 112,003
Renewed November 9, 1939
21 Claims. (Cl. 114—122)

1. In an antirolling stabilizing system for stabilizing a ship, means for producing a stabilizing moment about a longitudinal axis of said ship, means responsve to centrifugal acceleration of said ship on yawing, controlling means operatively associated with said acceleration respon-



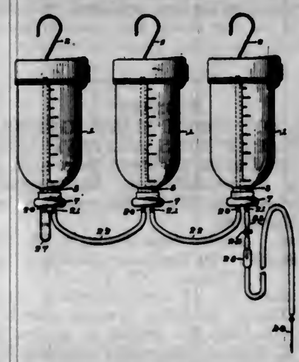
sive means and controlling said moment producing means as a function of said acceleration whereby a stabilizing action about said axis is produced and the heeling caused by said yawing is substantially reduced.

2,202,163

CLOSURE FOR DISPENSING CONTAINERS

Henry K. Mulford, Ellwood S. Paisley, and Allen F. Peters, Philadelphia, Pa., assignors to The National Drug Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 15, 1936, Serial No. 85,252
5 Claims. (Cl. 128—214)



1. A closure for reservoir-containers, comprising a stopper provided with a bore extending from its inner face towards and terminating short of its outer face, in combination with a tube having a funnel-flared terminal portion positioned within said bore, and operative to guide a stylus inserted through the outer wall of said stopper into the bore of said tube.

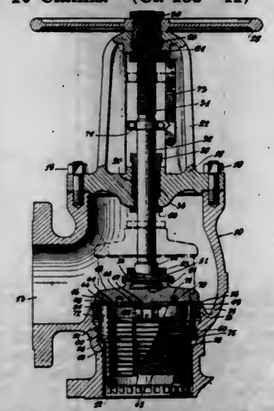
2. A closure for reservoir-containers, comprising a stopper having an air inlet bore and a liquid outlet bore extending from its inner face towards but terminating short of its outer face, at least one of said bores being eccentrically positioned in said stopper, and differentiating indicia carried by the outer face of said stopper, both to identify and to indicate the respective positions of said bores upon the opposite side of the stopper.

2,202,164

STEAM STOP VALVE

Pasquale Pascale, New York, N. Y., assignor to Novo Patents, Inc., a corporation of Delaware

Application October 19, 1937, Serial No. 169,782
10 Claims. (Cl. 183—41)



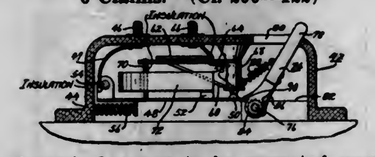
1. In a steam stop valve comprising a hollow body having an inlet connection, a valve seat at one end of said connection, a valve member movable into and out of engagement with said seat, and a drier structure supported by said valve member and extending within said inlet connection; said drier structure including a tubular perforated member having a portion thereof remote from the point of support inwardly offset in respect to a portion adjacent said point of support, said offset portion cooperating with the walls of said inlet connection to provide a discharge space therebetween in certain open positions of said valve.

2,202,165

REFRIGERATING APPARATUS

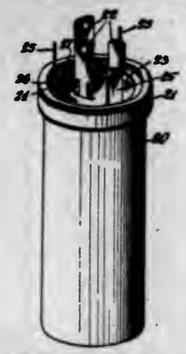
George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application November 30, 1934, Serial No. 755,335
Renewed October 18, 1939
6 Claims. (Cl. 200—122)



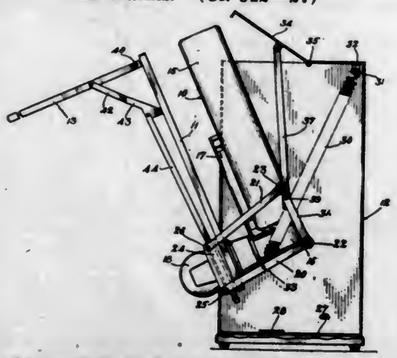
1. A control means to be mounted upon and in heat exchange relation with a device, said control means having a heater energized by an electric circuit, said control means having a thermal responsive element heated by said heater and said device, switch means controlled by said thermal responsive element for opening said electric circuit when said thermal responsive element is heated to a certain temperature and for closing said circuit when the thermal responsive element has cooled, and means independent of said thermal responsive element but responsive to the temperature of said device for holding open said switch means.

2,202,166
CONDENSER MOUNTING
Gordon V. Peck, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application November 4, 1937, Serial No. 172,722
7 Claims. (Cl. 175—315)



1. An electrolytic condenser and mounting means therefor comprising a metal can having an internal shoulder near one end thereof, a laminated sealing cap for said can comprising at least two stiff layers and a pressure-deformable layer sandwiched between said stiff layers, said cap resting on said shoulder, a condenser terminal passing through said cap and a sheet metal ring resting on said cap, the free edge of said can being spun over said ring to secure said ring and cap in place and to apply pressure to said pressure-deformable layer, and integral sheet metal lugs secured to the inner edge of said ring and bent upwardly away from said cap, said lugs being adapted for mounting said condenser on a panel, and a projection on said ring engaged in a recess in the outermost stiff layer of said cap to prevent turning of said ring after assembly.

2,202,167
IRONING MACHINE
Arthur H. Peters, Fort Wayne, Ind., assignor to American Ironing Machine Co., Algonquin, Ill., a corporation of Illinois
Application December 23, 1935, Serial No. 55,732
11 Claims. (Cl. 312—27)



8. An ironing machine comprising, in combination, a cabinet having an open side, ironing mechanism swingable into and out of said cabinet through said open side, said cabinet having a hinged wall adjoining said open side to provide space for the swinging movement of said mechanism, means for swingably supporting said ironing mechanism including a lever, and means actuated by said lever for opening and closing said hinged wall during the movement of said mechanism in either direction.

2,202,168
REFLECTOR DEVICE
Louis J. Rauch and Philip Rauch, Brooklyn, N. Y.
Application March 30, 1939, Serial No. 264,891
3 Claims. (Cl. 88—82)



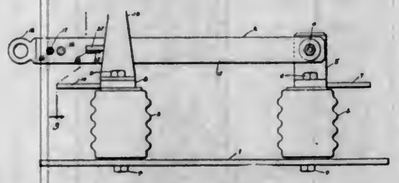
1. A reflecting device comprising a front wall having a series of openings therein and an angularly extended portion forming a side enclosure, another wall secured in spaced relation to the front wall and having a side portion fitting inside of and adjacent said side enclosure, a series of lenses located between and confined in place by said walls with portions of said lenses projecting through said openings, said other wall including a body portion having a series of flanged openings therein registering with said lenses, and a series of relatively ductile cups disposed inside of said flanged openings and die-pressed into permanent frictional engagement with the flanges thereof, said cups having polished reflecting surfaces inside of the same and spaced backwardly from and in uniform focused relation to said lenses.

2,202,169
METHOD OF PROTECTING GOODS CONTAINING PROTEINS AGAINST INSECTS
Paul Schlack, Berlin-Treptow, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application January 21, 1936, Serial No. 60,060. In Germany January 25, 1935
5 Claims. (Cl. 21—5)

1. The method of permanently protecting goods containing proteins against insects, which comprises treating the goods at a temperature above 40° C. with a compound selected from the group consisting of alkylene oxides, alkylene imines, and alkylene sulfides until the amino groups of the protein material are substantially alkylized.

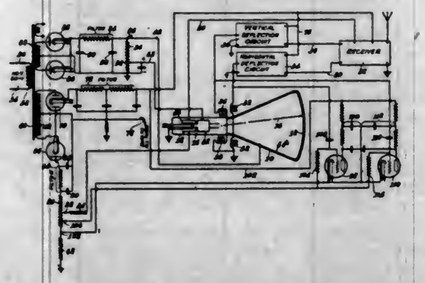
2,202,170
SWITCH LOCK CONSTRUCTION
Robert L. Smythe, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application October 30, 1937, Serial No. 171,902
1 Claim. (Cl. 200—169)

In an electric switch structure comprising a switch including a pair of substantially parallel switch plates having a common pivot at one end, and a pair of resilient contacts receiving said plates between them at the other end, one of said plates having a latch-receiving aperture, the combination with a switch-operating member pivotally mounted between said plates at said other end, of a latch pivotally mounted between said plates for movement through said aperture, said latch normally extending laterally of said apertured plate to the exterior of the space between said plates, a link pivotally connected with said latch and interengageable with



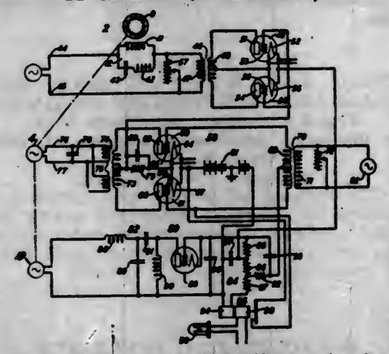
said member for moving said latch through said aperture in either direction of movement of said switch, the connection of said link and member permitting movement of said link independently of movement of said member, a spring biasing said link against independent movement, and a catch distinct from said contacts and disposed laterally to one side of the direction of movement of said switch for engagement by said latch, whereby direct contact between said latch and resilient contacts is avoided.

2,202,171
TELEVISION SYSTEM
Arthur C. Stocker, Haddon Heights, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 23, 1934, Serial No. 749,510
7 Claims. (Cl. 250—27)



1. In combination, a tube provided with a screen and with means including an anode and a control electrode for developing a ray of electrons and directing the ray at said screen, means for deflecting said ray, means for supplying a biasing potential to said control electrode to substantially cut off said ray, means for supplying an operating potential to said anode to accelerate the electrons toward said screen, and means common with respect to said third-named and fourth-named means for supplying the same with operating power, said third-named means being characterized by the fact that upon removal of the operating power it has a time constant of operation substantially greater than the time constant of operation of said fourth-named means.

2,202,172
CONTROL SYSTEM
Hugh M. Stoller, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 22, 1937, Serial No. 181,081
14 Claims. (Cl. 172—293)



1. In combination, an induction motor having a high resistance rotor and operating with a high slip, impedance means for governing the current supplied to the power winding of said motor, a source of relatively low constant frequency current, a source of pilot current having a frequency varying according to the motor speed and having a mean frequency the same as said constant frequency current, means controlled by said two sources for controlling said impedance means to hold the motor in synchronism with said constant frequency source, a source of alternating current having a relatively high frequency varying according to the motor speed, and means governed according to the frequency of said high frequency source for additionally controlling said impedance means to stabilize the motor operation.

2,202,173
WELL CEMENTING DEVICE
Alvin L. Straub, Houston, Tex.
Application June 29, 1939, Serial No. 281,901
7 Claims. (Cl. 166—12)



1. A cementing device including, a string of pipe, a hollow mandrel connected therewith, a housing on said string and spaced about said mandrel, slip jaws associated with said mandrel and projecting through openings in said housing,

hydraulically operated means to move said slip jaws outwardly to engage a well casing and prevent upward movement of said housing in said casing, and means responsive to an upward pull on said mandrel to seal between the lower end of said housing and said casing, said mandrel and housing being releasable from said sealing means.

2,202,174

METHOD FOR MANUFACTURING MATERIALS FOR PURIFICATION OF GASES

Frank A. Sullivan, Elizabeth, N. J.

No Drawing. Application January 27, 1938, Serial No. 187,221
2 Claims. (Cl. 252—2.5)

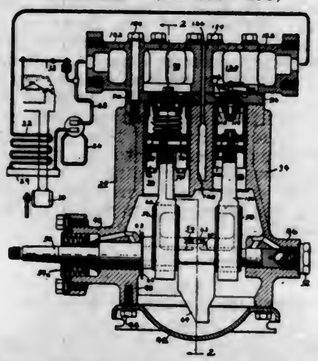
1. The method of preparing a compound of the character described comprising mixing finely divided iron with paper pulp and water and agitating and aerating the admixture until the desired oxidation of the iron is effected.

2,202,175

REFRIGERATING APPARATUS

Wilford H. Teeter, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application March 15, 1937, Serial No. 130,859
4 Claims. (Cl. 230—198)



1. A two cylinder two stage pump including means forming cylinders and a crankcase communicating therewith, pistons within said cylinders, the first stage piston and cylinder being larger than that of the second stage, means for reciprocating said pistons in said cylinders in substantially the same direction toward the crankcase at substantially the same time, said pump being provided with fluid control means and passages to pump fluid first into the larger one of the cylinders, then discharging the fluid pumped into the crankcase, and then conducting the fluid from the crankcase into the smaller of the cylinders, said crankcase having an effective volume greater than the displacement of said piston.

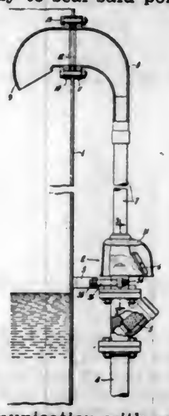
2,202,176

APPARATUS FOR DELIVERING AIR FOAM TO SEALED TANKS

Lewis G. Morris Timpson, Plainfield, N. J., assignor to Pyrene-Minimax Corporation, Newark, N. J., a corporation of Delaware

Application January 12, 1938, Serial No. 184,501
4 Claims. (Cl. 261—76)

1. Apparatus for delivering a fire-extinguishing foam to sealed tanks containing inflammable liquids comprising a mixing chamber in sealed communication with the tank, means for producing a jet of foam-producing liquid in said chamber, said means comprising a nozzle and a passage leading thereinto, an air entry port in communication with said chamber, a closure arranged normally to seal said port, a bellows ar-



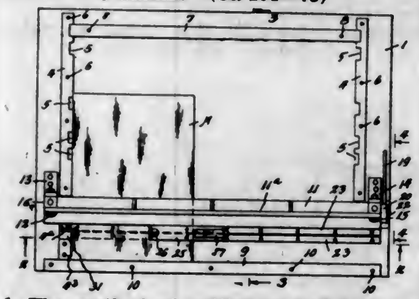
ranged in communication with said passage, said bellows being so constructed as to expand upon application of pressure to liquid in said passage, and means operatively connected to said closure for engagement with said bellows so that said expansion will break said air entry port seal.

2,202,177

CUTTING MACHINE

Raymond R. Ward, Cleveland, Ohio, assignor to George W. DeWees, Cleveland, Ohio

Application July 5, 1938, Serial No. 217,523
9 Claims. (Cl. 164—73)



1. The method of cutting material into sections requiring closely contacting abutting edges, which consists in supporting the material upon a suitable base, progressively subjecting the material to an ironing out surface pressure acting directly upon the material and at opposite sides of the line of cut with a sliding movement therefrom contiguous to the line of cut at opposite sides thereof, cutting the material while thus held under such pressure, and mechanically holding the cutting instrumentality performing the cutting action against lateral play by application of force to the said instrumentality above and below the material.

2,202,178

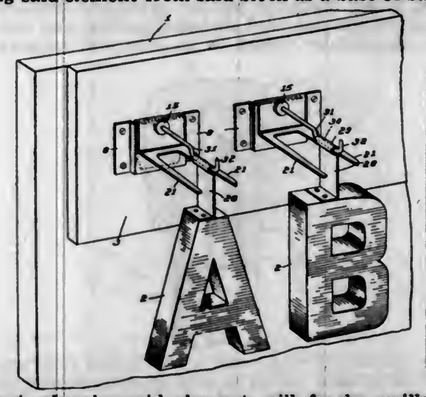
ANIMATED DISPLAY

Merrill C. Welles, Belmont, Mass.

Application March 15, 1939, Serial No. 262,025
6 Claims. (Cl. 40—138)

1. In a display the combination with the body

thereof of a block affixed thereto, an element adapted to be activated by wind, or blown air, arranged adjacent said block, means for mounting said element from said block as a base of sup-



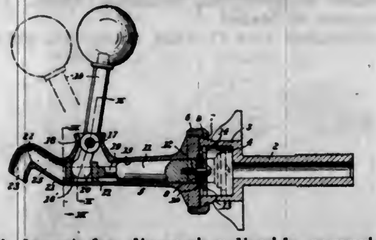
port whereby said element will freely oscillate only in a single plane, and means connected to said block for limiting oscillatory movement of said element.

2,202,179

FAUCET

Frank Welty and Raymond D. Welty, Youngstown, Ohio

Application October 15, 1938, Serial No. 235,289
8 Claims. (Cl. 225—8)



1. A faucet for dispensing liquids comprising a casing having an inlet, an outlet and a conical bore therebetween, a main shut-off valve for controlling the flow of liquid through the inlet, a cone-shaped plug cooperating with the conical bore to open and close the same for regulating the flow of liquid therethrough, the bore and plug being located between the main valve and the outlet and the plug being movable longitudinally of the casing, an operating stem connected with the plug and shut-off valve, and a lever cooperating with the stem for operating the plug and shut-off valve, said casing being formed to provide a liquid trap between the plug and the outlet.

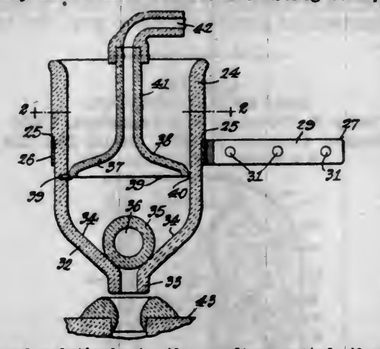
2,202,180

MOLTEN METAL APPARATUS

George E. West, Kenosha, Wis.

Application February 16, 1939, Serial No. 256,779
1 Claim. (Cl. 266—34)

A device for ridding molten metal of gas, comprising a funnel having an internally tapered neck provided with a central, bottom outlet; a freely movable member in the bottom of the funnel and normally in peripheral contact with the inner surface of the neck, above the outlet; and means for directing molten metal, in film-like condition, along the inner surface of the funnel, between the inner surface of the funnel and the freely movable member, the specific gravity of the movable member being such, con-



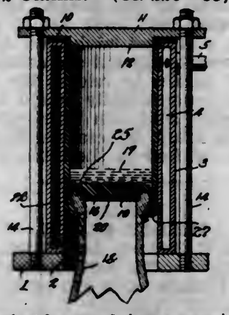
sidered relatively to the molten metal, that the movable member will have continuous movement responsive to the film, as the film moves downwardly to the outlet.

2,202,181

CAP APPLYING MEANS

George E. West, Kenosha, Wis.

Application April 17, 1939, Serial No. 268,422
2 Claims. (Cl. 226—85)



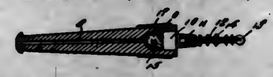
1. In a device for applying a cap to a container, a tubular body, a flexible sleeve within and closely enclosed circumferentially by the body, the sleeve being provided at one end with an integral wall, and means for sealing the sleeve adjacent to its opposite end, to afford a resisting air cushion within the sleeve.

2,202,182

MOUTHPIECE FOR SMOKING PIPES

John Widmer, Rosedale, N. Y.

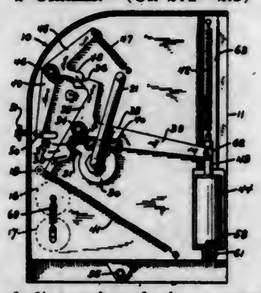
Application July 29, 1938, Serial No. 222,055
1 Claim. (Cl. 131—210)



A device of the character set forth comprising a mouthpiece having a smoke passage and a chamber opening outwardly through one end thereof and in communication with said smoke passage, a fitting removably mounted in said chamber and extending outwardly therefrom to frictionally fit in a bore of a stem of a pipe and having a smoke passage therethrough, a rod-like member fitted in the passage of said fitting and terminating in a ball-shaped end within the stem of the pipe, and baffle discs

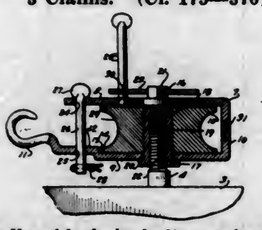
formed on said rod in spaced relation and each having a notch and arranged between said fitting and the ball-shaped end of the rod-like member, said notches of the discs being arranged in alignment to permit smoke to pass the baffle discs.

2,202,183
DISPENSING DEVICE
Philip A. Wooster, San Francisco, Calif.
Application October 7, 1936, Serial No. 104,456
2 Claims. (Cl. 271—2.3)



1. A towel dispensing device comprising a rotatable crank for feeding toweling in measured lengths from a supply roll, a cam rotatable with said crank, a lug on said cam, a pivoted lever having a portion engageable with said lug to prevent rotation of the crank, spring means tending to swing said lever out of engagement with said lug, a pivoted latch lever engaging the first named lever to prevent such swinging movement thereof, means to release the latch lever, and means to automatically retard the swinging of the first lever, said cam being effective upon rotation of the crank to reset the first lever and cause it to be latched by the latch lever.

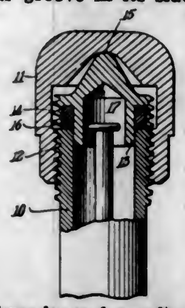
2,202,184
PULLEY BLOCK
Marion E. Berger, Lewistown, Mo.
Application October 25, 1937, Serial No. 170,865
3 Claims. (Cl. 175—376)



1. A pulley block including a bracket having aligned openings therein, a member mounted in said openings having a bore therein, a pulley rotatably mounted on said member, means engageable in the bore of the member for supporting the bracket, and means mounted on said member for facilitating turning the member relative to the support independently of the block.

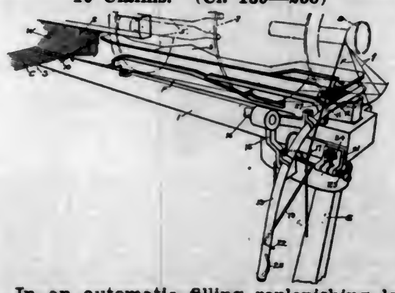
2,202,185
VALVE CAP
Lewis C. Broecker, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application June 10, 1938, Serial No. 212,961
2 Claims. (Cl. 138—89.3)

1. A valve cap comprising a fixed-size body portion having a tapered bottom recess threaded over a portion of its length for attachment to a stem, the remainder of said recess being of larger diameter than said threaded portion, a holder in said larger diameter portion exteriorly threaded to screw through said threaded portion and having an annular groove in its side wall adjacent



the exterior threads, and a soft metal ring supported by said holder in said annular groove for engagement with the end of said stem, said holder being of less cross-section than the larger diameter portion of said recess and having a conical portion, the tip of which contacts the tapered bottom of said recess to mount said holder for rocking movement.

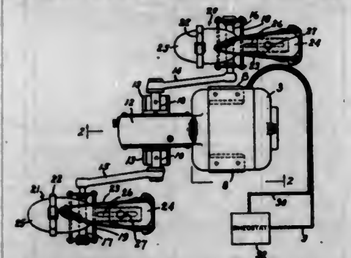
2,202,186
FILLING REPLENISHING LOOM
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application July 22, 1939, Serial No. 286,010
10 Claims. (Cl. 139—258)



1. In an automatic filling replenishing loom, the combination of the reciprocating lay, a magazine for holding reserve filling carriers with the filling ends from such carriers attached to the magazine, means for parting said filling ends adjacent the cloth selvage, gravity-actuated means for successively withdrawing each said filling end away from the lay after it is parted, and means operating after each withdrawing operation of said gravity-actuated means to move said gravity-actuated means into engagement with the next succeeding filling end.

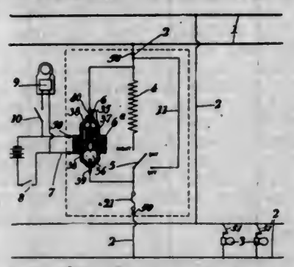
2,202,187
EXERCISER
Joseph J. Chalette, Los Angeles, Calif., assignor of one-half to May Marcus Chalette, Los Angeles, Calif.
Application January 24, 1938, Serial No. 186,629
3 Claims. (Cl. 128—25)

2. Apparatus of the class referred to, comprising a pedal including a heel portion for the support of a patient's foot, a crank arm pivotally supporting the pedal about an axis substantially ahead of the ankle of a person's foot on the pedal, the heel portion of the pedal being unsupported and free to rotate about said axis, a heel rest on the pedal adjustable toward and away from said axis, whereby the leverage be-



tween the ankle joint of the patient and the axis of the pedal may be varied, strap means arranged to hold the heel portion of the patient's foot back against the heel rest in the adjusted positions of the heel rest and to hold the toe portion of the patient's foot against the pedal, and means to rotate the crank arm.

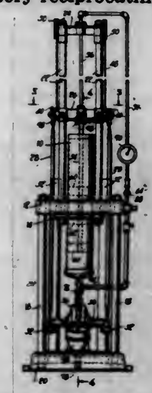
2,202,188
WARNING SYSTEM OF DWELLING HOUSES, HOTELS, AND SIMILAR ESTABLISHMENTS
Alfredo Cianchi, London, England
Application March 21, 1935, Serial No. 12,311
In Great Britain March 29, 1934
4 Claims. (Cl. 177—352)



1. In combination with the ordinary electric lighting system of an establishment, a switch in a lead thereof, an impedance in parallel with said lead and shunted when said switch is closed, a signaling system, means in said signaling system and actuated by operation thereof to open said switch whereby to establish the lead serially through said impedance, and thermally operated means operable by heat from said impedance to interrupt operation of said signaling system after a period of its continuous operation.

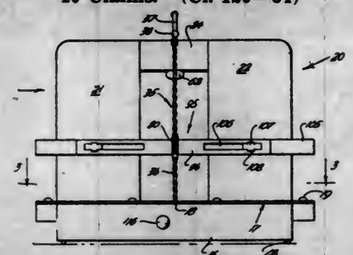
2,202,189
SEPARATING OR CLASSIFYING APPARATUS
William A. Cotton, Jr., and John W. Widdifield, Laurel, Miss.; said Widdifield assignor to said Cotton
Application July 1, 1938, Serial No. 216,958
14 Claims. (Cl. 209—237)

1. In a separating apparatus, a cylinder through which liquid containing material to be separated is passed, a screen arranged to form a transverse movable partition in the cylinder so that all the material passing through the cylinder, other than the part retained by the screen, must pass through the screen, and means for imparting bodily translatory reciprocating movement to the



screen within the cylinder and in directions parallel to the length thereof.

2,202,190
BOOK SUPPORT AND LINE GAUGE
William S. Crawford, Santa Barbara, Calif.
Application August 9, 1938, Serial No. 223,859
10 Claims. (Cl. 120—34)

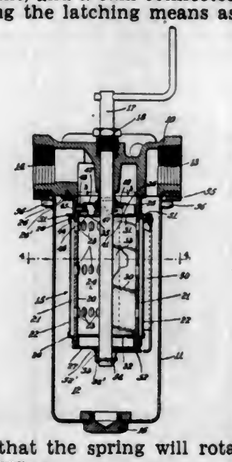


6. In a device as described, a book stand with back boards and a rest board for the lower edge of an open book, a feed screw and a line marker, the combination of a journal in the rest board for the lower end of the feed screw, a flexible support for the upper end of the feed screw, the feed screw being disconnectible from the lower journal for placing an open book on the stand or for turning the leaves of the book.

2,202,191
FILTERING LIQUID
Charles H. Cuno, Meriden, Conn., assignor to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut
Application May 21, 1937, Serial No. 143,921
7 Claims. (Cl. 210—167)

1. A filter comprising a casing with a head and a main chamber having an inlet and an outlet, a stationary filtering unit mounted in the chamber and through which the liquid passes to the outlet, a pumping unit mounted within the filtering unit and comprising upper and lower heads and a central shaft, an abutment member connecting the heads and extending from the shaft to the inner wall of the filtering unit, a follower plate carried by the shaft and extending to the inner wall of the filtering unit, latching means at times holding stationary the abutment member of the pumping unit, a spring connecting the shaft with said abutment member of the

pumping unit, and a cam connected to the shaft for releasing the latching means as the shaft is



turned so that the spring will rotate the abutment member.

2,202,192

CASING-HEAD STRUCTURE

Hugh F. Cypher, Borger, Tex., assignor of one-half to Kenneth M. Axelrod, Borger, Tex.

Application July 24, 1939, Serial No. 286,077

5 Claims. (Cl. 166—15)



1. A casing-head structure comprising a tubular body having a central bore therethrough and arranged to be inserted inside a well casing, valve means adapted to open and close the lower end of said bore, a fluid tight connection between said body and said casing, a closure for the top of said bore, pressure equalizing means connecting said central bore with the interior of said casing, and means for operating said valve means.

2,202,193

CLOTHESLINE SUPPORTING STRUCTURE

Preston Davis, West Hollywood, Calif.

Application July 11, 1938, Serial No. 218,611

4 Claims. (Cl. 211—119.15)

1. In a device of the character described, a pair of supporting posts, a cross bar mounted on one of said posts, a frame mounted on the upper end of the other of said posts, guide members connected to one another slidably engaging the opposite sides of said frame, a threaded rod rotatably mounted and held against horizontal motion on said other post and frame to support said guide members on said frame, a cross bar secured to adjacent ends of said guide members,



said rod being threaded into said cross bar to reciprocate said bar and guide members in a horizontal direction with respect to said other post and frame member, and lines connecting said cross bars to one another.

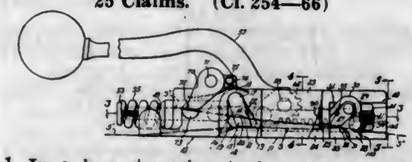
2,202,194

BOX STRAPPING TOOL

Howard C. Doolittle, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut

Original application June 14, 1937, Serial No. 148,078. Divided and this application June 3, 1938, Serial No. 211,541

25 Claims. (Cl. 254—66)



1. In a box strapping tool, a frame, a strap lock for securing one end of a strap thereto, a member slidable in the frame, a strap lock carried by said member and arranged to hold the other end of the strap and to be moved relative to the first mentioned lock for a strap tensioning operation, a rack fixed to the frame, a tensioning lever having a gear segment enmeshed with said rack, means movably maintaining said lever in enmeshed rolling engagement with the rack, and a toggle connection between said lever and said member.

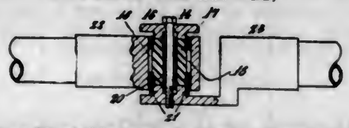
2,202,195

ADJUSTABLE JOINT

Myron J. Drachman and Kurt Stoye, New York, N. Y., assignors to Peerless Laboratories Inc., New York, N. Y.

Application October 10, 1936, Serial No. 105,060

7 Claims. (Cl. 287—14)



1. An adjustable swivel joint comprising two members one of which is movable relatively to the other, a friction surface upon one member, rubber-like elastic means, and means to completely enclose and confine the rubber-like elastic means including a friction means engaging the friction surface and the rubber-like elastic means, and means to compress the rubber-like elastic means in one direction whereby the friction means is pressed against the friction surface laterally with respect to the direction of compression of the rubber-like elastic means.

2,202,196

FURNITURE

Marcello Cavalieri Ducati, Bologna, Italy

Application September 30, 1937, Serial No. 166,539

In Italy October 12, 1936

1 Claim. (Cl. 155—123)



The combination with a table of a chair having a back having its side edges tapering downwardly inwardly toward the seat, said chair being substantially lower than the top of said table, and a pair of brackets on the edge of said table set at a distance apart less than the broadest part of the back and engaging with the side edges of the back of said chair so as to support said chair in a nested position with the seat and legs within the open space underneath the table top and raised above the floor.

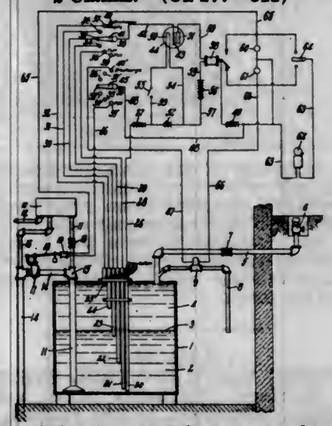
2,202,197

GAUGE AND CONTROL APPARATUS FOR LIQUID CONTAINERS

Gordon E. Ewertz, Elizabeth, N. J.

Application December 3, 1935, Serial No. 52,735

2 Claims. (Cl. 177—311)



1. Liquid level responsive means having, in combination, a container for a liquid and at least one other separate hazardous fluid, said fluids having different electrical resistances, a vacuum tube, sources of electrical potential to energize said tube, two electric contacts interposed in the grid circuit of the vacuum tube, at least one positioned at a predetermined level within said container exposed to said fluids, there being a negative potential applied to said grid through the fluid of least electrical resistance when both of said contacts are immersed therein, and means responsive to change in the plate circuit of the vacuum tube.

2,202,198

PERFORATING DEVICE

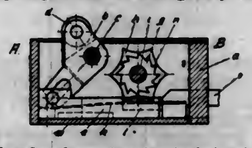
Carl Funcke, Osterronfeld, near Kiel, Germany, assignor of one-half to Max Muller, Ottweiler-Saar, Germany

Application October 3, 1938, Serial No. 233,135

In Germany August 6, 1937

8 Claims. (Cl. 164—98)

1. Perforating device for printing and other installations, adapted to actuate periodically perforating tools, comprising a casing, a control wheel rotatably mounted within the casing, an operating element adapted to be moved to and fro by an element of the installation, a spring-loaded cutter bolt connected to the perforating tools, a coupling member integrally controlled by



the control wheel and adapted to transfer the movement of the operating element in one direction to the cutter bolt when brought by the control wheel into a working position, and means adapted to advance the control wheel through a predetermined distance during the return movement of the operating element.

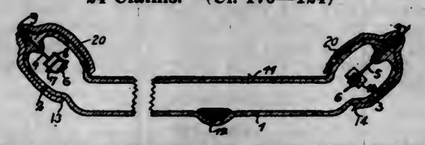
2,202,199

DISCHARGE DEVICE

Edmund Germer, Berlin-Wannsee, Germany, assignor to General Electric Company, a corporation of New York

Continuation of application Serial No. 500,346, December 5, 1930. This application March 25, 1938, Serial No. 198,049. Renewed September 23, 1939. In Germany December 7, 1929

24 Claims. (Cl. 176—124)



1. An arc discharge device comprising an energizing circuit including a source of current and means for limiting the current loading, and a discharge tube which comprises a sealed envelope, fixed electrodes positioned at opposite ends thereof at least one of which is a solid activated arcing electrode, and filling material adapted to provide a gaseous atmosphere for starting an electrical discharge at a potential available from said energizing circuit and a vaporizable material in amount adapted by its vaporization to increase the voltage drop of the discharge tube to at least ⅔ of the total voltage which the energizing circuit is adapted to apply for operation of the arc, and the energizing circuit being adapted to supply to the discharge an energy loading sufficient to vaporize said vaporizable material to an extent equivalent to at least ⅔ of said voltage but less than the maximum voltage consumption at which the arc will operate stably.

2,202,200

PROCESS OF PRODUCING PATTERN EFFECTS ON TEXTILE FABRICS

Robert Haller, Riehen, near Basel, and Gustav Widmer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del., a corporation of Delaware

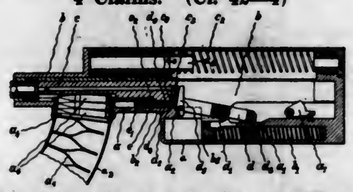
No Drawing. Application January 26, 1938, Serial No. 187,094. In Switzerland January 30, 1937

3 Claims. (Cl. 8—115)

1. In a process for producing pattern effects on a transparent ground by printing a fabric with a resist and passing it through an agent which produces transparency, the steps of print-

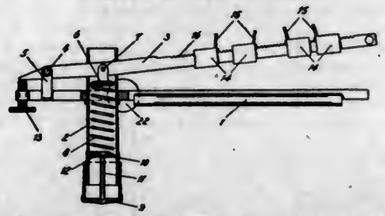
ing the fabric with a resist containing, as the essential resist-producing ingredient, a heat reactive water-soluble aldehyde condensation product of an aminotriazine and fixing and insolubilizing said resist on the fiber by means of a hardening treatment.

2,202,201
AUTOMATIC GUN
Hermann Henning, Berlin-Reinickendorf, Germany, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany
Application December 23, 1937, Serial No. 181,433
In Germany January 5, 1937
4 Claims. (Cl. 42—4)



4. An automatic gun having a sliding barrel and a breech bolt longitudinally movable therein, comprising a latch between the barrel and the breech bolt, means to hold the latch in position releasing the breech bolt and which is releasable by the forward movement of the breech relatively to the barrel, and a resilient member associated with the breech bolt and the latch extending the period of contact between the breech bolt and the latch in order to secure the latch in position out of the path of the breech bolt movement.

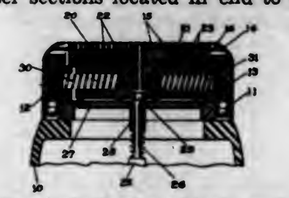
2,202,202
APPARATUS FOR EXERCISING THE FINGERS IN THE MOVEMENTS REQUIRED FOR PLAYING MUSICAL INSTRUMENTS
Guillaume Hesse, Huizen, Netherlands
Application December 28, 1938, Serial No. 248,117
In the Netherlands December 28, 1937
7 Claims. (Cl. 84—465)



1. An improved apparatus for exercising the fingers in the movements required for playing musical instruments, comprising a single arm, a single lever hinged to said arm and adapted to be moved by the fingers, and adjustable elastic means for controlling the resistance of the lever to movement by the fingers.

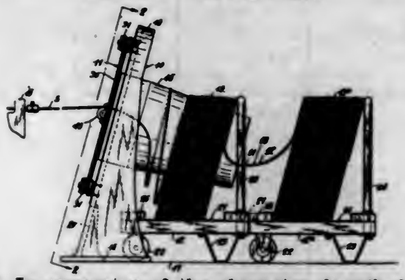
2,202,203
SHAVING IMPLEMENT
John H. Hill, Wollaston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application February 15, 1937, Serial No. 125,709
11 Claims. (Cl. 30—43)

1. A dry shaving implement having a guard plate with a series of uniformly spaced shearing teeth therein all lying in a common plane, in cooperation with two separate independently movable cutter sections located in end to end rela-



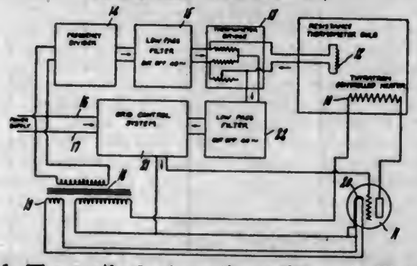
tion, having similarly spaced teeth and being arranged for alternate movement from open to shearing position.

2,202,204
REEL
Henry J. Hogue, Lakewood, Ohio, assignor of one-third to Charles L. Wasmer and one-third to John C. Wasmer, both of Lakewood, Ohio
Application February 4, 1938, Serial No. 188,716
9 Claims. (Cl. 242—128)



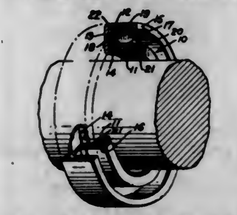
2. In apparatus of the character described, a frame having rotary stock guiding means thereon, a rotatably mounted drum projecting from said frame with its rotation axis extending rearwardly and downwardly from the frame, and means for non-rotatably supporting a coil of stock in inclined relation with its convolutions surrounding the drum.

2,202,205
ELECTRIC VALVE CONTROL SYSTEM
Wilfred H. Howe, Winchester, Mass., assignor, by mesne assignments, to The Foxboro Company, Foxborough, Mass., a corporation of Massachusetts
Application November 9, 1935, Serial No. 49,099
30 Claims. (Cl. 250—27)



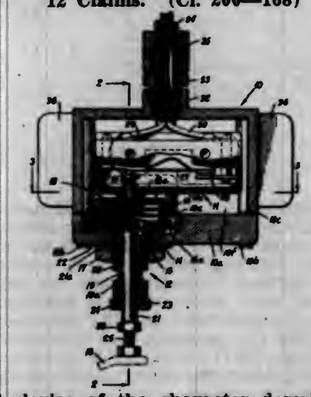
1. The method of continuously controlling a condition influenced by the electrical power passed by an ionic valve having a plurality of electrodes and means for controlling the time of start of current flow through the valve, which comprises impressing a cyclic voltage differential between said electrodes periodically reaching a value to stop the power flow once started, and impressing on said control means a controlling voltage of predetermined pattern containing at least one fixed cyclic component and a continuous component of frequency less than that of said voltage differential.

2,202,206
FLUID SEAL
Lloyd A. Johnson, Hillsborough, Calif., assignor to National Oil Seal Co., Oakland, Calif., a corporation of Nevada
Application October 18, 1937, Serial No. 169,606
2 Claims. (Cl. 288—3)



1. A unitary fluid seal adapted for press fit insertion to seal the space between moving parts having cylindrical faces, comprising an outer cage member having an axially extending peripheral flange forming the non-rotative sealing face, a spaced shorter axial flange and a radial wall connecting said flanges, an inner cage member nested in said first cage and having an axial wall underlying said peripheral flange, a radial surface adjacent the aforesaid radial wall and an axial wall spaced from the said shorter axial flange to provide an axially extending annular clamping groove, said last-named wall extending beyond the confines of said groove and having a radial wall portion at its edge pointing away from the peripheral flange, a flexible sealing member extending co-axially with the bore of said cylindrical faces, said axial flexible member being held at one end between the spaced flanges on said nested cages, and resilient means surrounding the free end of said sealing member.

2,202,207
ELECTRIC SWITCH
Manfred J. Johnson, Naugatuck, Conn., assignor to The Lewis Engineering Company, Naugatuck, Conn., a corporation of Connecticut
Application May 26, 1937, Serial No. 144,772
12 Claims. (Cl. 200—168)



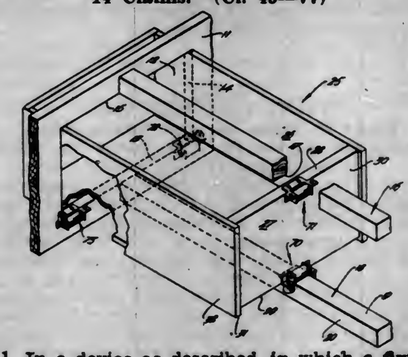
1. A device of the character described comprising a housing; an electric switch supported in the housing; current supply means from the switch, passing through the housing; means for sealing the housing where the supply means passes through; an actuator for the switch carried within the housing; means for operating said actuator from the exterior of the housing, including a plunger movably carried by the housing and having a portion extending into said housing; means for sealing the housing where said operating means is located including a bellows surrounding the portion of the plunger within the housing; and an adjustable extension on the portion of said plunger extending exteriorly of said housing for engagement with an external primary actuator.

2,202,208
VIBRATORY TONE ENHANCING AND REINFORCING BAR FOR STRINGED MUSICAL INSTRUMENTS
Louis Kapelman, Brooklyn, N. Y.
Application September 19, 1939, Serial No. 295,666
1 Claim. (Cl. 84—276)



As a new article of manufacture and as a component part of a violin body, a unified bass-bar attachment comprising a pair of rectilinear vibratory relatively thin duplicate strips, said strips being coextensive and longitudinally bowed and disposed in opposed parallelism from end to end, the convexed crown-edges of said strips curving in predetermined arcs and the arcuate curvatures being continuous from end to end, and a relatively short centrally disposed assembling and spacing block interposed between the adjacent inner opposed faces of the strips and connecting the same together in assembled companionate relationship, whereby to provide a triple element assembly wherein the major areas of the crown edges of said strips may be attached to the under-side of the belly of the violin body leaving only the terminal ends free of contact with said belly.

2,202,209
ROLLER BEARING DRAWER AND GUIDE
Albert C. Kennedy, Long Beach, Calif., assignor of one-half to Janice C. Kennedy, Long Beach, Calif.
Application December 5, 1938, Serial No. 243,973
14 Claims. (Cl. 45—77)



1. In a device as described, in which a fixture

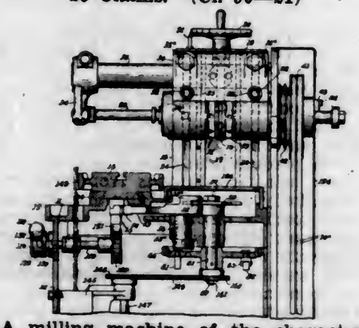
has a drawer opening and is provided with upper and lower guide bars extending inwardly from the opening, a drawer mounted to slide through said opening and between the bars, the combination of a roller mounting having a flange secured to the lower surface of the drawer and provided with a pair of lips in the same plane as the flange, a pair of vertical guide rollers mounted on the lips and a horizontal roller with a mounting means between the said lips, the roller being adapted to engage the upper surface of the lower guide bar, there being a pair of roller mountings one on each side of the drawer opening at the lower corners thereof each having a flange fitted on the lower edge of the opening of the fixture and each having a pair of lips one of such lips having a vertical roller mounted thereon, means forming a mounting for a horizontal roller between the lips, the horizontal roller being adapted to engage underneath the sides of the drawer.

2,202,210

AUTOMATIC MILLING MACHINE

Frederick Koch, Sparta, N. J., assignor to Associated Patentees, Inc., Ampere, N. J., a corporation of New Jersey

Application September 22, 1937, Serial No. 165,033
16 Claims. (Cl. 90—21)



1. A milling machine of the character disclosed, comprising in combination a cutter spindle, a cooperating work carrying table, a lever for reciprocating said table, a cam for actuating said lever, a shaft on which said cam is removably mounted, a worm gear on said shaft, a trip pin carried by said worm gear, a worm for driving said worm gear, a clutch for controlling operation of said worm, a clutch control lever, a releasable latch for holding said clutch control lever in clutch engaged relation, said latch having a portion positioned for engagement by said trip pin and drive means for said cutter spindle and said clutch controlled worm.

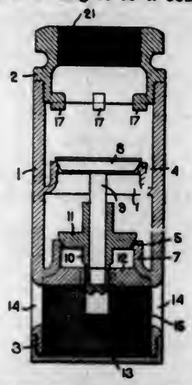
2,202,211

VALVE CONSTRUCTION

Elmer M. Kling, Newton Center, Mass.

Application August 10, 1939, Serial No. 289,411
6 Claims. (Cl. 277—70)

1. A valve construction comprising a one-piece cylindrical casing body of bronze having a concentric cylindrical web spaced from its inner wall and terminating in a valve seat, a valve head having a stem and cooperating with said seat, means for guiding the stem in axial alignment with the seat, and a head piece composed of a malleable ferrous casting threaded to the upper end of the casing body well above the said cylindrical web, having an exterior surface for cooperating with a wrench, having means for detachably connecting it to a conveyor pipe, and



having its lower end projecting into the path of the valve head to limit the opening movement thereof.

2,202,212

PREPARATION OF GUANYL-UREA-N-SULPHONIC ACID

Hans Z. Lecher, Plainfield, and Alan E. Pierce, Bound Brook, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 13, 1938, Serial No. 218,946
11 Claims. (Cl. 260—513)

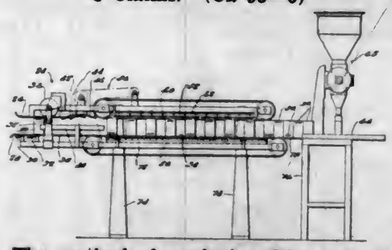
1. A method of producing guanyl-urea-N-sulphonic acid which comprises bringing about reaction between a compound included in the group consisting of guanyl-urea and inorganic salts of guanyl-urea and a compound included in the group consisting of chlorsulphonic acid, chlorsulphonic acid salts of alkali forming metals and its esters at a temperature between 50° and 150° C..

2,202,213

METHOD OF PACKAGING

Arthur W. Lindholm, East Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application May 13, 1938, Serial No. 207,731
3 Claims. (Cl. 93—6)



1. The method of producing filled and closed cartons with a top flap closing machine, which consists in passing successive set-up cartons through the machine and closing both upper and lower sets of flaps but sealing only the upper set of flaps of each carton during their passage therethrough, then inverting the cartons into a position with the unsealed end thereof uppermost, opening up the unsealed end then filling the carton through the open upper end thereof, then passing the filled carton while maintaining

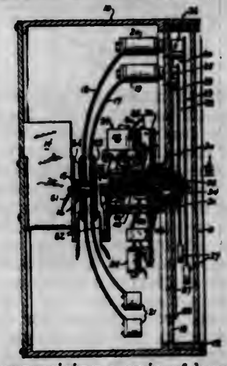
the open upper end uppermost through the same top closing machine and closing and sealing the second set of flaps during the second passage of the carton through the machine whereby to produce a completely closed and sealed carton.

2,202,214

NOVELTY CLOCK

Leon G. Livingston and Aldice O. Dinsdale, San Francisco, Calif.; said Dinsdale assignor to said Livingston

Application October 23, 1937, Serial No. 170,614
5 Claims. (Cl. 58—2)



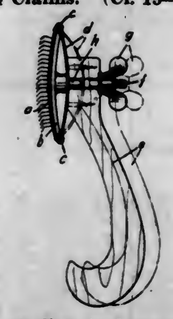
1. A clock comprising a pair of hands rotatable before a face, means normally effecting erratic operation of said hands, a clock mechanism concealed behind the face and normally operating independently of said hands, and means operable to effect control of the hands by said mechanism.

2,202,215

HAND CARDING TOOL

August Gustav Lutz, Calw, Wurttemberg, Germany, assignor to the firm H. F. Baumann, Mech. Kratzenfabrik G. m. b. H., Calw, Wurttemberg, Germany

Application March 16, 1939, Serial No. 262,310
In Germany April 30, 1937
4 Claims. (Cl. 15—186)



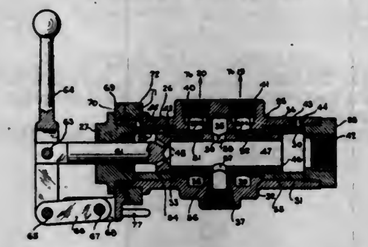
1. A hand carding tool comprising a stretchable toothed carding member, a backing providing overall support for the carding teeth, an elastic arcuate tensioning member having opposite edges engaging along opposite edges of said carding member, said elastic tensioning member being bowed between said last-mentioned edges in such a manner as to stretch said carding member relatively to said backing, means for flattening the curvature and elongation of said carding member, said elastic tensioning members and backing, said curvature flattening means also forming a connection between said holder and other parts of the tool.

2,202,216

FEED CONTROLLING APPARATUS

Norman S. Madsen, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application May 15, 1936, Serial No. 79,932
6 Claims. (Cl. 60—52)



1. A hydraulic control device for controlling the flow of a liquid between a hydraulic feed cylinder, a liquid reservoir, and a pump which has an intake connected with the liquid reservoir and a discharge for liquid under pressure connectible to the feed cylinder, said control device comprising a ported valve casing having a bore, a control valve mounted in said bore for movement relative to said ported casing and adapted to be moved oppositely from a neutral position in a direction within one plane to connect the pump discharge selectively to the opposite ends of the feed cylinder and to connect the ends of the feed cylinder not connected to the pump discharge to a return flow connection, said valve being adapted while stationary as regards its first mentioned movements to be moved in a direction within a plane making an angle with said first mentioned plane and being operative, purely by the latter movement thereof, in either of the opposite working positions of the valve assumed as a result of its first mentioned movements, to control the amount of liquid flowing between said valve casing and the feed cylinder, said valve also being adapted to provide a direct connection between the pump discharge and the liquid supply when said valve is moved to its neutral position, said valve having fluid conducting means formed therein cooperating to provide said direct connection when said valve is in its neutral position, and which same fluid conducting means establishes a flow connection for an end of the feed cylinder when said valve is appropriately moved from its neutral position in the manner first above mentioned, and a control means for said valve operable at will by an operator and by means of which the valve is movable either to control the amount, or the direction, of liquid flow relative to the feed cylinder.

2,202,217

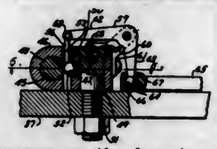
LOCKING DEVICE

Louis V. Mallory, Salina, Kans., assignor of one-half to Louise C. Mallory and Bertha J. Ray, Houston, Tex.

Application July 31, 1937, Serial No. 156,718
7 Claims. (Cl. 74—491)

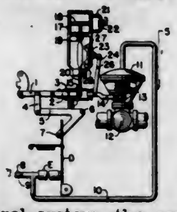
1. A locking device of the character described including a housing having a through bore and a plurality of diagonal bores terminating in said through bore, locking members mounted in said

diagonal bores and adapted to be normally retained at the inner terminal ends of said diagonal



bores, and means on the housing for retracting said locking members into said diagonal bores.

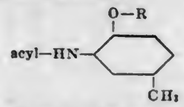
2,202,218
CONTROL APPARATUS
Robert L. Mallory, Houston, Tex., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 2, 1938, Serial No. 193,514
11 Claims. (Cl. 236—82)



1. In a control system, the combination with means responsive to variations in a control quantity, of mechanism adjusted by said means on a departure of said quantity from a predetermined normal value thereof to create a control effect tending to return said quantity to its normal value, said mechanism comprising provisions for the automatic adjustment of said mechanism to thereby augment the control effect when the return of said quantity to normal is delayed, and automatic means for rendering said compensating provisions inoperative to further augment said control effect during the time said departure exceeds a predetermined amount.

2,202,219
SUBSTITUTED SULPHANILAMIDES AND PROCESS FOR MAKING THEM
Fritz Mietzsch and Josef Klarer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 28, 1938, Serial No. 193,067. In Germany March 4, 1937
15 Claims. (Cl. 260—556)

1. The process which comprises reacting upon a compound of the formula:



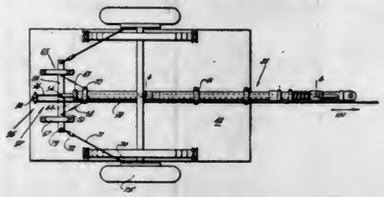
wherein R stands for a substituent selected from the group consisting of lower alkyl and phenyl-lower alkyl groups and of nitro-, amino- and halogen-substituted phenyl-lower alkyl groups and acyl stands for the radical of an acid selected from the group consisting of lower aliphatic and benzene carboxylic acids, with chlorosulphonic acid and reacting upon the sulphonic acid derivative formed with a compound selected from the group consisting of ammonia, lower aliphatic primary and secondary amines, pyrrolidine and piperidine.

2,202,220
MOVABLE CORE SPARK PLUG
Benjamin Miller, Richmond Hill, N. Y., assignor to Power Patents Company, Hillside, N. J., a corporation of Maine
Application April 10, 1939, Serial No. 267,026
3 Claims. (Cl. 123—169)



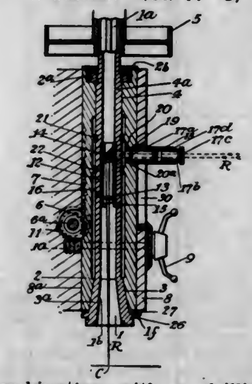
1. A combined spark plug-pressure indicating unit comprising an externally threaded tubular metal casing having an electrode mounted at the forward end thereof, a smooth wall cylinder bore within the casing, a piston mounted for reciprocation within the cylinder bore in response to variations in pressure in a chamber with which the forward end of the casing communicates in service, said piston comprising an axially disposed wire electrode and a dielectric core embedding the wire electrode, a spark gap formed between the casing electrode and the forward end of the wire electrode, means for supplying current for actuating the spark gap including an aperture in the wall of the casing intermediate its ends, a socket in the piston aligned with said casing aperture and with the rearward end of the coaxial wire electrode, and an insulated lead-in wire conductor having an end adapted for insertion into said socket through said aperture with an uninsulated terminal in sliding contact with the rearward end of said electrode, and elastic means for restraining the movement of the piston.

2,202,221
TRAILER BRAKE
William M. Miller, Yucaipa, Calif.
Application March 23, 1938, Serial No. 197,636
6 Claims. (Cl. 188—142)



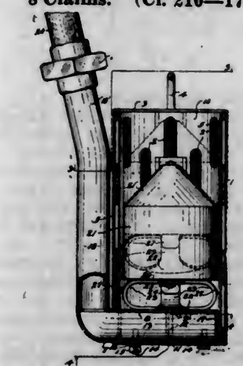
1. A trailer brake comprising in combination a tow bar having means providing a swivel connection to a tow car, a plurality of aligned sleeves rigidly connected to the tow bar and offset with the axes of the sleeves positioned below the tow bar, a tow tube slidably mounted in said sleeves and having a first collar to engage the rearward-most sleeve, means rigidly attaching the tow tube to a trailer, a brake rod rigidly connected to the forward portion of the tow bar and extending rearwardly through the tow tube, a brake appliance connected to the rear end of the brake rod and having a connection to the brakes of the trailer whereby a relative forward movement of the tow tube and trailer in reference to the tow bar and the brake rod develops a thrust action between the brake rod and the brake appliance to apply the brakes.

2,202,222
CENTERING MEANS FOR DRILLING MACHINE SPINDLES
Georg Möller, Berlin-Neukoelln, Germany, assignor to Herbert Lindner, Berlin-Wittenau, Germany
Original application January 4, 1937, Serial No. 119,042. Divided and this application October 11, 1938, Serial No. 234,456. In Germany August 3, 1936
4 Claims. (Cl. 77—5)



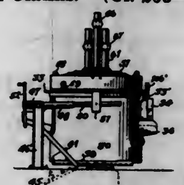
1. In combination with a drilling machine having a head carrying a vertically movable spindle sleeve and having a drill spindle rotatably mounted in said sleeve, said sleeve and drill spindle having alinable sight openings and co-operating means being provided on the head and spindle for indicating alinement of said openings, a tube fixed in the hollow spindle and having an opening registering with the sight opening in the spindle, an object glass at the lower end of said tube, a reflector above said glass and opposite the tube opening, said head having a vertical slot therein, an eye-piece extending transversely of said slot and alined with the sight opening in the sleeve, and means for connecting the eye-piece and sleeve to cause the two to move together.

2,202,223
WATER MOP
Thomas F. Moore, Morris Plains, N. J.
Application October 8, 1938, Serial No. 234,072
8 Claims. (Cl. 210—170)



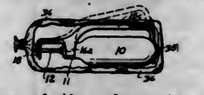
1. In liquid draining apparatus of the class described, a tubular body closed at one end to form a chamber and having openings therein establishing communication between the chamber and the exterior thereof, a suction pipe operatively connected with and having a portion thereof disposed across the end of the chamber within the tubular body opposite to the closed end aforesaid, and means operable responsive to the liquid level within the chamber for controlling communication between the suction pipe and the chamber within the body.

2,202,224
ELECTRIC FURNACE
William E. Moore, Pittsburgh, Pa., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa.
Application January 31, 1936, Serial No. 61,810
4 Claims. (Cl. 263—33)



3. In a furnace of the character described, a furnace crucible, a pair of flat runners secured to the bottom of said crucible, spacing means connecting said runners, a pair of curved, spaced rocker tracks arranged to engage said runners and support the furnace crucible, and members on said tracks to engage said runners and prevent slippage of the runners on the tracks.

2,202,225
LIFE PRESERVER INFLATION MEANS
Hugh E. Murray and Edward T. Christopher, Denver, Colo.
Application September 15, 1938, Serial No. 230,059
11 Claims. (Cl. 221—73.5)

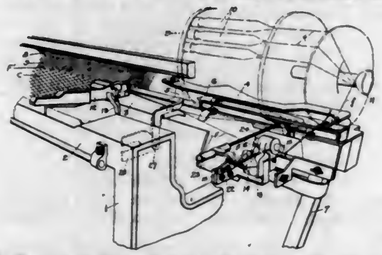


1. In a device of the character described, a charged capsule, a passageway communicating with the interior of said capsule, a tip closing said passageway and adapted to be fractured and thereby to open said passageway and release the gas confined within said capsule, a grip lever extending rearward of said neck and overlying said capsule, a fulcrum about which said grip lever is adapted to move, and a connection between said grip lever and said tip such that the movement of said lever about said fulcrum and toward said capsule will fracture said tip.

2,202,226
FILLING END CONTROL
Edward C. Nichols, Upton, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application July 22, 1939, Serial No. 286,000
5 Claims. (Cl. 139—260)

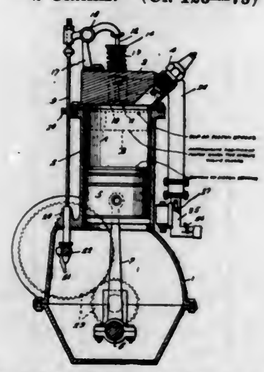
1. In a filling replenishing loom, the combination of the lay having a shuttle box at the replenishing end thereof, replenishing mechanism incidentally forming the usual outgoing filling ends, means for parting and clamping said filling ends intermediate the ends of said shuttle box and withdrawing them forwardly out of said shuttle box, means for partially reducing the grip

of said clamp after each withdrawing action thereof, and means for pulling said ends out of



said clamping means and feeding them forwardly away from said shuttle box.

2,202,227
INTERNAL COMBUSTION ENGINE
Leroy E. Noland, Juneau, Territory of Alaska
Application April 28, 1939, Serial No. 270,630
2 Claims. (Cl. 123—75)



1. In an internal combustion engine, a cylinder having a head provided with an intake port therein, a piston in said cylinder having a suction and a compression stroke, the latter terminating short of said head to provide between the head and piston a compression chamber, an intake valve in said port open during the suction stroke of said piston and the greater part of the compression stroke thereof and closed during the remaining part of said compression stroke, and means to admit fuel to said port including a carburetor, an intake manifold between said carburetor and port, and a valve in the line of connection between said carburetor and manifold normally opened to permit free passage of fuel through said manifold during the suction stroke of said piston and operative to closing position under back pressure in said manifold created therein by the compression stroke of said piston in the open position of said intake valve.

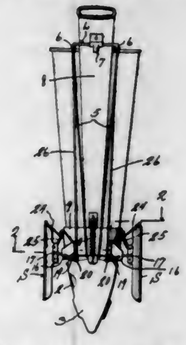
2,202,228
TRANSPLANTER
George D. Owen, Brookneal, Va.
Application February 21, 1939, Serial No. 257,723
4 Claims. (Cl. 111—4)

1. A soil packing attachment for a transplanter including relatively movable shovels and an operating lever therefor, said attachment comprising a pair of shafts having cranks which can be swung downwardly, means for mounting said shafts upon the transplanter adjacent to the shovels, means for operatively connecting the shafts with the operating lever of the transplanter for rocking the shafts for swinging the cranks downwardly when the shovels of the transplanter have relative outward movement, packing shovels freely mounted upon the cranks



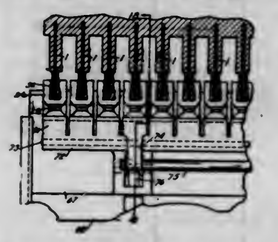
for movement therewith, links operatively engaged with the packing shovels, and means for operatively securing said links to the transplanter, said links providing means for regulating the downward movement of the packing shovels with the cranks.

2,202,229
TRANSPLANTER
George D. Owen, Brookneal, Va.
Application March 21, 1939, Serial No. 263,289
1 Claim. (Cl. 111—4)



A soil packing attachment for a transplanter including two shovels one movable outwardly with respect to the other and an operating means therefor, said attachment comprising a pair of shafts having cranks that can be swung downwardly, means for mounting said shafts upon the transplanter adjacent to the shovels, packing shovels mounted upon the shafts for movement therewith, means coacting with the packing shovels and cranks to cause the packing shovels to swing inwardly when the cranks are swung downward, rock arms carried by the crank shafts which contact with the movable shovel whereby when the movable shovel moves outwardly the shafts are caused to rotate in a direction to swing the packing shovels downwardly and inwardly, and means coacting with the packing shovels for regulating the downward movement thereof with the cranks.

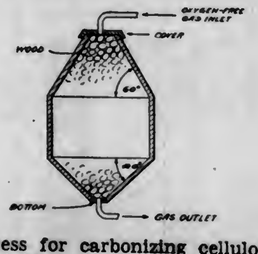
2,202,230
METHOD OF FORMING SEPARABLE FASTENERS
Noel Joseph Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application November 20, 1933, Serial No. 698,801
Renewed November 3, 1939
10 Claims. (Cl. 18—59)



1. A strip of fastener members for separable fasteners of the class described, each member consisting of means at one end for attachment to a tape, and interlocking means at the other end adapted to interlock with corresponding members, the members being arranged in the strip in side by side relation and integrally united by a continuous rib uniting all of the members, said rib extending along the fronts of the fastener members so that it can be cut away after said members are attached to tapes.

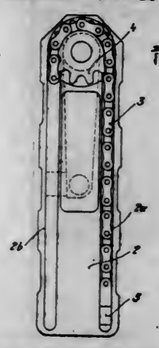
2. The method of forming interlocking members for separable fasteners of the class described, which consists of forming a strip of members each with means for attachment to a tape at one end and interlocking means at the other end, said members being arranged in side by side relation in the strip, said strip including a longitudinally continuous integral rib which projects externally of the members and which joins with an outer surface of each of them, and afterwards severing said rib as a whole to separate the members.

2,202,231
PROCESS FOR THE CARBONIZATION OF WOOD AND SIMILAR MATERIALS
Theophil Reichert, Brilon Wald, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y.
Application March 11, 1938, Serial No. 195,415
In Germany March 13, 1937
3 Claims. (Cl. 202—15)



1. A process for carbonizing cellulosic material of vegetable origin to produce high yields of acetic acid and alcohol, which comprises filling a retort the upper portion of the walls of which forms an upwardly converging angle of between 50° and 65° with the horizontal with such material, and passing hot oxygen-free gases downwardly through such material at a velocity of below 50 cm. per second, the velocity being so regulated that the temperature in the carbonization zone is not greater than that in the zones thereabove, and the temperature of the material being carbonized being maintained between about 500° C. and 750° C.

2,202,232
COCKING MECHANISM FOR AUTOMATIC FIREARMS
Wolfgang Rossmanith, Solothurn, Switzerland, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany
Application July 13, 1938, Serial No. 219,080
In Germany July 16, 1937
7 Claims. (Cl. 89—27)



2. A hand operated cocking device for automatic firearms having a breech mechanism housing, comprising a single sprocket wheel, and an open-ended chain engaged by the sprocket wheel, the ends of said chain being guided in corresponding grooves provided in the breech housing, and means at one end of the chain adapted for engagement with a portion of the breech mechanism for cocking the same, said housing having a detachable frame in which said chain-grooves are provided and said sprocket wheel is mounted to turn.

2,202,233
STABILITY OF LUMINOUS PAINTS
Konrad Schad, Frankfort-on-the-Main-Hochst, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application July 6, 1938, Serial No. 217,822. In Germany July 22, 1937
2 Claims. (Cl. 250—81)

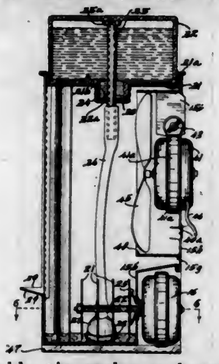
1. A process of improving the stability of luminous pigments containing sulfides of alkaline earth metals and of paints and paintings containing such pigments which comprises adding pulverized boric anhydride to the pulverulent luminous pigment after firing.

2,202,234
PROCESS OF IMPROVING THE STABILITY OF LUMINOUS PAINTS
Konrad Schad, Frankfort-on-the-Main-Hochst, and Robert Ketzer, Hofheim in Taunus, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 6, 1938, Serial No. 217,823. In Germany July 22, 1937
2 Claims. (Cl. 250—81)

1. A process for improving the stability of luminescent alkaline earth metal sulfides and of paints and paintings containing such sulfides

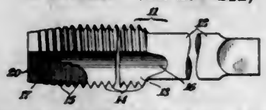
which comprises adding anhydrous, pulverized sodium carbonate to the pulverulent luminescent sulfides after firing.

2,202,235
AIR COOLER AND/OR HUMIDIFIER
Webster D. Smith, Minneapolis, Minn.
Application September 12, 1938, Serial No. 229,400
2 Claims. (Cl. 261—30)



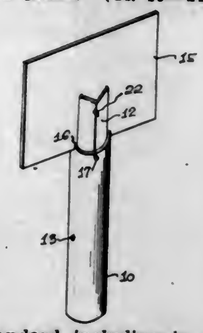
2. A portable air cooler or humidifier having in combination, a casing of general rectangular form in horizontal and vertical cross section, said casing being elongated vertically and constructed and arranged to contain water in its lower portion, said casing having openings in the opposite sides thereof, a series of zig-zag baffle plates disposed in vertical planes and located in said casing adjacent and extending across one of said openings, said casing having a recess adjacent its bottom at the opposite side from said opening covered by the wall of said casing, a motor disposed in said recess, means in the lower part of said casing driven by said motor for projecting a spray upwardly in said casing from the water therein, a cylindrical member extending inwardly from the other of said openings, a motor disposed in said member, a fan carried by and driven by said motor and disposed in said member, said casing having a recess in its upper end shaped by the walls of said casing, a water receptacle fitting in said recess and means extending from said receptacle to the lower portion of said casing for maintaining a certain level of water in said lower portion, whereby air is drawn into said cylindrical member directly from the atmosphere through the opening at one side of said casing and is blown through said spray and out through said baffle plates so that the air does not pass through said fan after passing through said spray.

2,202,236
TAP
Glen H. Stimson, Royal Oak, Mich., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts
Application April 27, 1938, Serial No. 204,489
4 Claims. (Cl. 10—141)



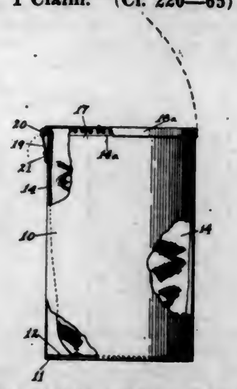
1. A tap comprising a plurality of lands, flutes separating the lands including longitudinal flutes each merging into a divergent gun flute, threads on the lands forming cutting teeth at their intersections with the gun flutes, the surface of each gun flute forming circular arcs in planes normal to a common axis of generation, each passing through a cutting tooth, the angles between said arcs and the radii from the tap axis at the individual cutting teeth being substantially the same, providing a substantially uniform cutting rake.

2,202,237
SIGN MOUNTING
Robert F. Sullivan, Dallas, Tex.
Application October 21, 1938, Serial No. 236,179
1 Claim. (Cl. 40—145)



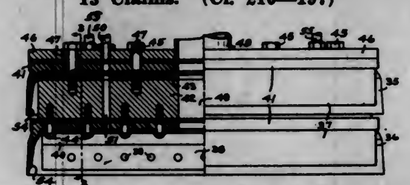
A sign standard including in combination a cylindrical hollow metal body, an angle bar having a metal sign plate affixed to one end thereof, said angle bar arranged to be inserted within said body, a bolt connecting said angle bar and said body, said bolt entering said angle bar at the connecting point of the legs of said angle bar, a second bolt passing through the body and the legs of said angle bar at right angles to said first bolt, and a slot in the upper end of said body to receive the lower end of said sign plate.

2,202,238
SANITARY TRASH CONTAINER
Joseph W. Thompson, Wichita, Kans.
Application March 22, 1937, Serial No. 132,306
1 Claim. (Cl. 220—65)



In a sanitary trash container; the combination of its component parts which are a housing, a removable bottom for said housing, and a cover for said housing having a continuous depending flange and hinged to the housing below the upper edge thereof, and a bag as a container in said housing; said housing having an outwardly extending portion around the top edge thereof, the upper edge of said bag having a pliable element threaded therethrough, the top edge of said bag being turned over said outwardly extending portion and tied therebelow by said pliable element, said cover being hinged to the said housing in such a manner that the cover will rest on the overturned top edge portions of the bag with the depending flange surrounding the turned over portion of the bag to form a tight closure for the bag and housing, the hinge joining the housing and cover together being a link type hinge permitting movements of the cover element in a plane transverse to the vertical axis of the housing, and the link of said hinge being long enough to span the turned edge of the bag around the said housing.

2,202,239
PLUG TOP CLOSING MEMBER FOR FILTER PRESSES
Robert M. Thompson, Seattle, Wash., assignor to Thompson Continuously Operating Filter Press Company, Seattle, Wash., a corporation of Washington
Original application January 10, 1933, Serial No. 650,990. Divided and this application April 1, 1938, Serial No. 199,342
13 Claims. (Cl. 210—197)



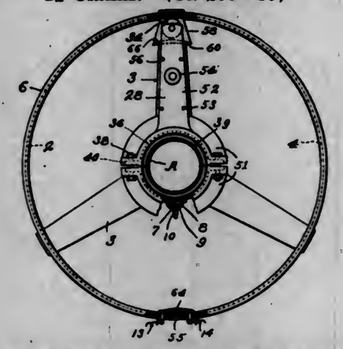
1. The combination, of a filter chamber formed by a plurality of side walls, at least two of which comprise traveling belt means and which chamber is provided with filtrate openings through a side wall, with a plug end closing and sealing member for said filter chamber embodying a cup like molded packing member contacting the said side walls of the filter chamber and forming a seal at an end of the filter chamber, and a resilient metal friction guard extending toward and over the sides of said packing member and terminating short of the portions of said packing member which contact said side walls of the filter chamber, whereby a substantially filter tight closure resistant to relatively high fluid pressures is provided at an end of the filter chamber.

2,202,240
WRENCH SOCKET
Walter F. Trotter, Amelia, Ohio
Application December 20, 1937, Serial No. 180,774
6 Claims. (Cl. 81—121)



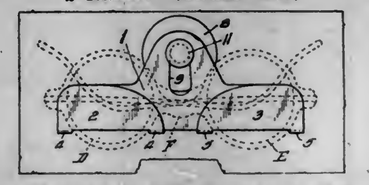
6. A wrench socket for the power driving of nuts having regular polygonal faces, said socket comprising a body having a hollow therein for accepting a nut, said hollow being divided in the direction of its length into two portions, an innermost portion having polygonal faces adapted to register completely with the faces of the nut, and an entrance portion comprising a prolongation of the said faces, and provided with a helical lead for each face thereof, said helical lead reaching its greatest depth at the conjunction of the said polygonal faces in the direction of rotation of said socket, said last mentioned portion being less in length than said first mentioned portion, and said first mentioned portion having a length substantially equivalent to the length of nuts with which it is to be used.

2,202,241
AUTOMATIC DIRECTION SIGNAL FOR AUTOMOBILES
Samuel H. Williams, Burlington Junction, Mo.
Application May 23, 1938, Serial No. 209,549
11 Claims. (Cl. 200—59)



1. A signal system for motor vehicles comprising a pair of reversely disposed segmental contacts spaced apart and arranged adjacent to and in concentric relation with the steering wheel, said contacts being adapted to have right and left signals connected thereto, means for supporting said contacts, a telescopic switch rotatable with the steering wheel to selectively engage the contacts and thereby effect the operation of the selected direction signal, means associated with the contacts and located in the path of said switch to contract and thereby open the same after the steering wheel has been turned to the right or the left a predetermined distance from a straight-ahead position, means associated with the switch to retain the same in contracted position, and a releasing device associated with the forward terminals of the contacts and provided with a shoulder in the path of said switch to extend the same to normal as the steering wheel is returned to a straight-ahead position.

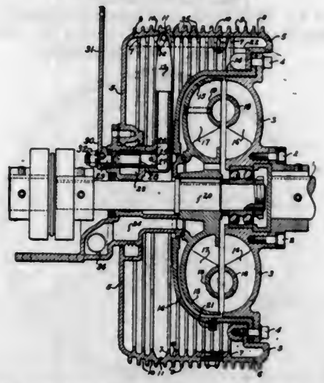
2,202,242
HOLDER FOR EYEGLASSES
William Enders Wortham, St. Louis, Mo.
Application June 8, 1938, Serial No. 212,544
2 Claims. (Cl. 248—300)



2. An eyeglass holder including a back plate, a pair of lens guard plates spaced from the back plate and from each other, and a pair of lens rests connecting each lens guard plate with the back plate to provide openings through which

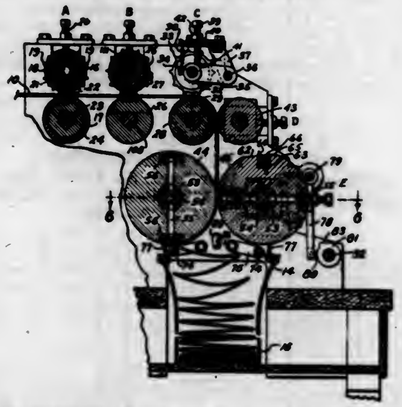
the lower portions of the lens project to prevent longitudinal displacement of a pair of eyeglasses when held by the holder.

2,202,243
COOLING RIBS-SCOOP CONTROLLED COUPLING
Noah L. Alison, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application June 9, 1938, Serial No. 212,757
6 Claims. (Cl. 60—54)



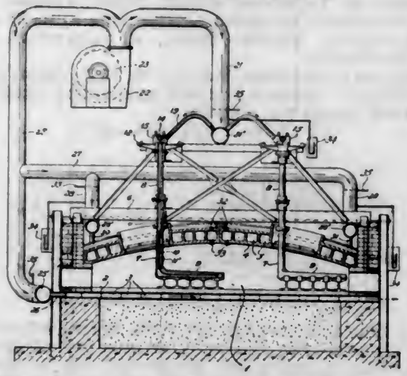
1. In a hydraulic coupling, a coupling, a casing connected thereto and rotating therewith, said casing having inner and outer ribs whereby the oil in the casing is thrown out peripherally against the inner ribs and heat from said oil is transmitted through said casing to the outer ribs and thence to the air.

2,202,244
FANFOLD MACHINE
Charles Butterfield, Wyoming, Ohio, assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application May 11, 1939, Serial No. 273,067
18 Claims. (Cl. 270—73)



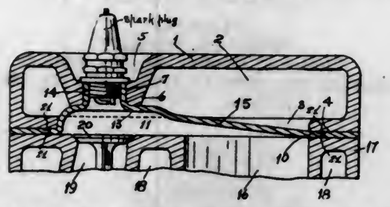
1. Apparatus for fanfolding paper-like material fed thereto as from a roll, comprising a pair of rolls between which said material passes, means on said rolls respectively, operable on said material alternately to cause said material to be carried partially around one roll and then partially around the other, means cooperating with each of said rolls respectively for folding back against such roll that portion of the material which has previously been carried partially around the other of said rolls, and means for rendering inoperative alternately said first mentioned means when said material has been carried around said rolls respectively a predetermined distance.

2,202,245
METHOD AND MEANS FOR REGULATING TEMPERATURE IN ORE ROASTING FURNACES
David Leo Cramp, Kirkland Lake, Ontario, Canada, assignor to Lake Shore Mines, Limited, Kirkland Lake, Ontario, Canada
Application July 15, 1939, Serial No. 284,586
5 Claims. (Cl. 266—20)



1. In the roasting of sulphide ores in a single hearth furnace, the method of regulating the furnace temperature comprising circulating air through the rabble arms and arch of the furnace, and regulating the volume of air so circulated to maintain a predetermined temperature inside the furnace.

2,202,246
CYLINDER COVER STRUCTURE
Charles W. Dake, Grand Haven, Mich.
Application November 15, 1937, Serial No. 174,589
3 Claims. (Cl. 123—173)

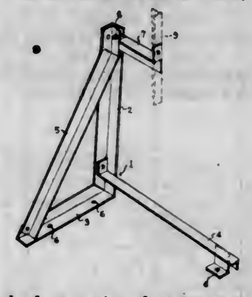


1. A cylinder cover structure comprising a cast ferrous metal body having a plane face, and a cooling fluid chamber therein and having an opening extending to said face and a combined pressure sealing gasket, combustion chamber forming and heat transfer member of non-ferrous metal located against the said face of the said metal body and having a combustion chamber formed therein with the walls thereof extending through said opening into the said cooling fluid chamber.

2,202,247
ADHESIVE
Paul B. Davidson, Wilkinsburg, Pa., and Julius R. Adams, Westfield, Mass., assignors to Old Colony Envelope Company, Westfield, Mass., a corporation of Massachusetts
No Drawing. Original application April 18, 1935, Serial No. 17,128, now Patent No. 2,159,613, dated May 23, 1939. Divided and this application November 20, 1936, Serial No. 111,964
2 Claims. (Cl. 134—23.4)

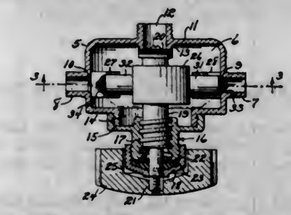
2. As a new article of manufacture an adhesive of the class described comprising in combination, water, partially-dextrinized starch, and a fluidifying agent which renders the reducing sugars in the starch inactive, the agent consisting of dioxan.

2,202,248
BED, AND PARTICULARLY BEDS PIVOTED TO ASSUME AN UPRIGHT POSITION
Wilfred Deschamps, Detroit, Mich.
Application July 5, 1938, Serial No. 217,344
2 Claims. (Cl. 5—136)



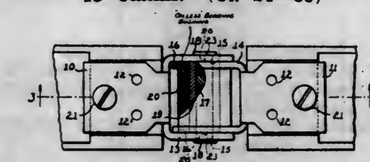
1. In a bed, a pair of spaced supports each comprising a base, a post upstanding from such base, and a diagonal brace rigidly extending from the base to the post, means rigidly interconnecting the upper portions of each post and the corresponding brace, a substantially rectangular mattress-receiving frame, and a pair of supporting arms rigidly projecting from the frame and engaging between the upper portions of the posts and braces, such portions being spaced to provide guideways for the supporting arms, and pivot elements for said supporting arms interconnecting said spaced portions, the frame being pivotal on such elements from a substantially horizontal to a substantially upright position.

2,202,249
MIXING VALVE
Alfred Wayne Felger, Greensburg, Pa.
Application November 29, 1938, Serial No. 243,021
1 Claim. (Cl. 277—18)



A mixing valve comprising a valve casing having a mixing chamber therein, oppositely disposed hot and cold water inlet ports in the sides thereof, and an outlet port in one end, all of said ports being provided with valve seats which open directly into the mixing chamber; a valve stem formed with external helical threads having an essentially steep pitch screw-threadedly received in the end of the casing opposite the said outlet port, and having its inner end adapted to normally close the outlet; an eccentric formed on the said valve stem and having an essentially wide peripheral surface; sleeves secured to said casing interiorly thereof and in abridging relation to the said water ports; plunger valves entirely accommodated within the mixing chamber and slidably mounted within the sleeves for movement into and out of engagement with the valve seats, water pressure exteriorly of the mixing chamber acting on the plunger valves to at all times hold the same in engagement with the said wide peripheral surface of the eccentric, and the said eccentric cooperating with the said plunger valves in a manner whereby one of the said valves will be seated to close its respective water port and the other of the valves will be unseated to open its respective water port when the inner end of the stem is seated against the outlet port to close the same, the portion of the valve stem exteriorly of the casing being formed to permit manual rotation thereof to move the same rapidly axially away from the said outlet port to fully open the same and to simultaneously rotate the said eccentric to slidably actuate both of the said plunger valves within their supporting sleeves to open the said closed water port and to close the said open water port to regulate the temperature of the water within the mixing chamber.

2,202,250
BELT CONNECTOR
Abraham L. Freedlander and Norman J. Ritzert, Dayton, Ohio, assignors to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application December 2, 1938, Serial No. 243,606
13 Claims. (Cl. 24—33)



7. A belt connector comprising a pair of interlacing belt clamps, a connecting member interconnecting said belt clamps, a tubular member comprising a metal roller of relatively harder material than said connecting member surrounding said connecting member, a bearing bushing surrounding said tubular member, and a bearing bushing retainer surrounding said bearing bushing.

2,202,251
WOOD CARVING TOOL
Raymond G. Gille, St. Paul, Minn.
Application April 17, 1937, Serial No. 137,513
3 Claims. (Cl. 144—219)

1. A wood carving tool adapted to be rotatably mounted on the spindle of a wood carving machine, comprising a shank portion, a divided head portion having a pair of undercut recesses in opposite sides thereof, the head portion being divided on a line substantially bisecting said recesses and a blade having a root portion insertable in said recesses, said blade having a sub-

stantially uniform transverse curvature, said recesses being positioned obliquely to a radius from the center of rotation of said tool through



a mid-point of said recesses, to laterally offset the center of curvature of said blade from the center of rotation of said tool to provide a cutting clearance for said blade.

2,202,252

PREPARATION OF METALLIC OXIDES

Ewald Herzog, Berlin, Germany, assignor to Deutsche Gold und Silber Scheideanstalt, Frankfort-on-the-Main, Germany, a corporation of Germany

No Drawing. Application July 27, 1938, Serial No. 221,601. In Germany July 28, 1937

11 Claims. (Cl. 23—184)

1. A process for the preparation of sodium monoxide in substantially dust-free form wherein said monoxide is in the form of globular bodies of approximately spherical shape, which comprises introducing metallic sodium into a reaction vessel which contains, as diluent, sodium monoxide in the form of pellets of approximately spherical shape, maintaining the temperature within said reaction vessel at an elevated temperature below about 230° C., and oxidizing said metallic sodium to sodium monoxide.

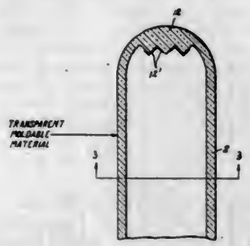
2,202,253

TOOL-RECEIVING HANDLE

Burritt M. Hiatt, Wilmington, Ohio, assignor to The Irwin Auger Bit Company, Wilmington, Ohio, a corporation of Ohio

Application May 4, 1938, Serial No. 206,024

1 Claim. (Cl. 40—2.2)



A tool-receiving handle comprising a hollow transparent member which is closed at one end and open at the other end, said closed end comprising a thickened lens portion having a prismatic inner wall reflecting section, said prismatic inner wall section being provided with insignia indicia integral therewith.

2,202,254

WATERPROOF LACQUER

Charles S. Hyatt and William D. Hedges, Columbus, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio

Original application February 9, 1938, Serial No. 189,637. Divided and this application July 28, 1938, Serial No. 221,851

3 Claims. (Cl. 260—16)



1. A new article of manufacture for use as a flexible waterproofing lacquer composition consisting of:

	Parts by weight
Cellulose nitrate	12.7
Butyl acetyl ricinoleate	15.3
Sebacic acid-glycerol resin	12.7

a solvent, and comminuted mica.

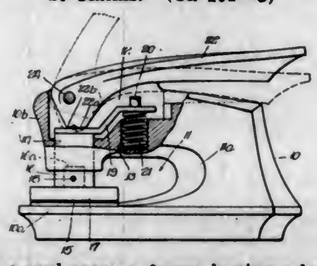
2,202,255

SEAL PRESS

Marshall H. Jackson and Warren Jackson, River Forest, Ill.

Application September 1, 1938, Serial No. 227,878

10 Claims. (Cl. 101—3)



1. In a seal press, a frame having a lower jaw and an upper jaw separated by a throat opening of substantial height, a stationary die member mounted on the lower jaw, a plunger guided in the upper jaw for reciprocation vertically toward and from the lower jaw and carrying a movable die member for cooperation with the stationary die member, the upper jaw being provided with a spring socket over the throat opening, a spring seated in said socket, a rigid pressure plate fixed to the plunger and offset upwardly over the throat opening and having an end portion spaced above said plunger and extending over the spring socket and bearing upon the upper end of the spring, and a lever hinged on the upper jaw above the plunger and having a cam portion bearing upon the pressure plate above the plunger so that by operation of the lever the plunger and movable die member may be forced downwardly against the pressure of said spring.

2,202,256

HYDRAULIC FEED FOR POWER DRIVEN HACK SAWS

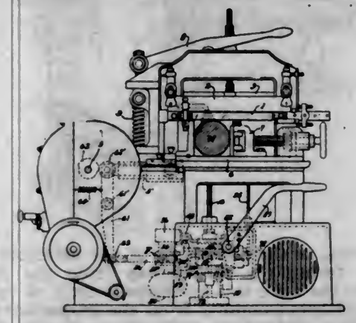
Otto M. Jensen and Frank T. Wruk, Racine, and Thomas W. Whitley, Kenosha, Wis., assignors to Peerless Machine Company, Racine, Wis., a corporation of Wisconsin

Application December 24, 1936, Serial No. 117,526

16 Claims. (Cl. 29—73)

1. A hydraulic feed for a metal sawing machine of the character having a saw and means

for reciprocating the saw and comprising a double acting fluid pressure motor connected to the saw, a feed control valve actuated by said means to regulate the supply of fluid under pressure to said motor to cause it to feed the saw to the work during each sawing stroke and to withdraw



it from the work during each return stroke, and means including a check valve supported for limited sliding movement while seated and interposed between the feed control valve and the motor to limit the extent which the motor moves the saw away from the work on the return stroke.

2,202,257

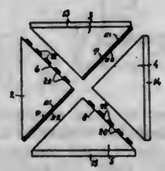
COLOR PHOTOGRAPHY

Luite Klaver, Noordwijkerhout, Netherlands

Application December 11, 1936, Serial No. 115,382

In Great Britain December 23, 1935

3 Claims. (Cl. 88—1)



1. In a camera for use in three color photography, in combination, a lens, a light-divider arranged behind said lens and comprising four triangular right-angled prisms cemented together on their right-angled faces to form a cube, a plurality of spaced reflecting strips arranged on the near side with respect to said lens of each intersecting diagonal surface of joinder of said prisms, the strips on one surface extending at right angle to the strips on the other surface, layers of opaque and non-reflecting material covering said strips on the remote side with respect to said lens, and a color filter cemented on the base of each of said prisms, whereby to eliminate stray reflections in the rear of said strips, on the base of the prisms and on the color filters.

2,202,258

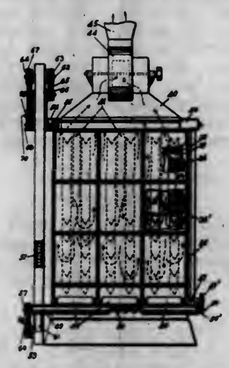
APPARATUS FOR FILTERING GAS AND THE LIKE

George E. Lynch, Los Angeles, Calif.

Application May 5, 1939, Serial No. 271,921

12 Claims. (Cl. 183—46)

1. In a dust collecting apparatus, a filter cell of trough-like form to receive filter material to move longitudinally therethrough and an arched member supported therein and extending longitudinally thereof and open at its opposite ends, whereby material can pass therethrough in said cell, said member supporting part of the weight



of the material above it, whereby to cause more uniform movement of material through said trough.

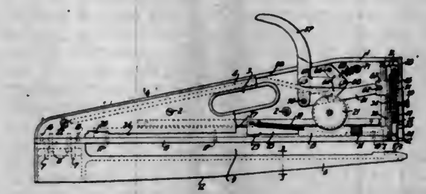
2,202,259

STAPLING MACHINE

Archibald V. MacDonald and Raymond A. Minkler, Los Angeles, and Herbert Iske, Alhambra, Calif.

Application November 25, 1936, Serial No. 112,726

5 Claims. (Cl. 1—49)



1. A stapling machine comprising a head frame, an anvil arm rigidly mounted on the head frame, a staple holding bar on the head frame, means for feeding the staples along the bar, a grooved element movably mounted on the head frame ahead of said bar for guiding a staple from the end of the bar to the material to be stapled, said element having a base for pressing against the material, means for moving the element against the material, an apertured element embracing the end of said bar and cooperating with the grooved element to provide a staple guide slot at the end of the latter element, and a plate slidable in the groove of said latter element for driving the staple thru said guide slot.

2,202,260

SAFETY JOINT

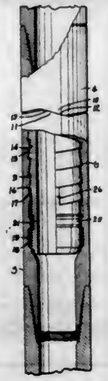
Fred N. Osmun, Houston, Tex.

Application August 28, 1939, Serial No. 292,279

9 Claims. (Cl. 255—28)

1. A safety joint adapted for use in a string of pipe in a well and comprising a box member connected to the string and having internal threads, a pin member connected to the string and having a pin provided with external threads adapted to mesh with the internal threads, said joint members having opposing faces pitched in a direction the reverse of the pitch of the threads and ar-

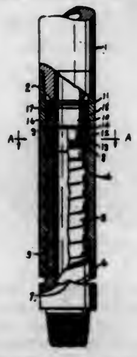
ranged to abut with a wedging action when the pin is screwed home into the box, said faces being



effective to cause the joint to break in response to the stress of the weight of the string above,

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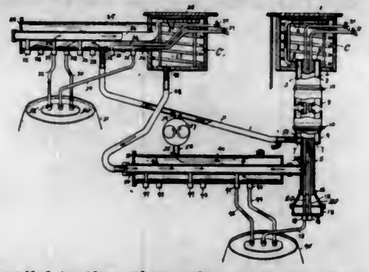
2,202,261
SAFETY JOINT
Fred N. Osmun, Houston, Tex.
Application August 23, 1937, Serial No. 160,453
5 Claims. (Cl. 255—28)



1. A safety joint comprising a box member, a pin member having a threaded connection with the box member, a slidably mounted locking device in the box member movable into one position to interlock with the pin member and into another position to release the pin member and a yieldable member for moving said locking device into released position.

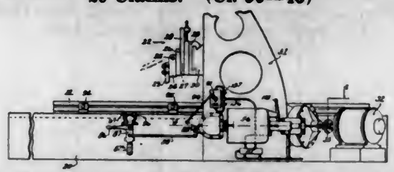
2,202,262
BEER COOLING AND DRAWING SYSTEM
John Panagopoulos, Youngstown, Ohio, assignor to Novadel-Agene Corporation, a corporation of Delaware
Application July 16, 1937, Serial No. 153,903
5 Claims. (Cl. 225—1)

5. In a brew cooling and dispensing installation, a cooling tank positioned underneath a bar, a vertical cooling chamber communicating with said tank, a horizontal manifold comprising cooling liquid delivery and return tubes, one of said tubes being connected to said vertical cooling chamber, a plurality of pairs of taps exposed at the exterior of the manifold, each pair in communication with the respective tubes of the manifold, a plurality of kegs incorporating cooling conduits and releasably connected to respective pairs of taps, a pump drawing cooling fluid from the tank and delivering into one of the tubes of the manifold thence through the kegs



in parallel to the other tube of the manifold and means forming a passageway from the pump back to the tank in a continuous cycle of operation and beer conduits from the respective kegs extending upward through the vertical cooling chamber and through the cooling tank.

2,202,263
MACHINE TOOL TRANSMISSION AND CONTROL
Fred A. Parsons, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application December 18, 1936, Serial No. 116,469
29 Claims. (Cl. 90—48)



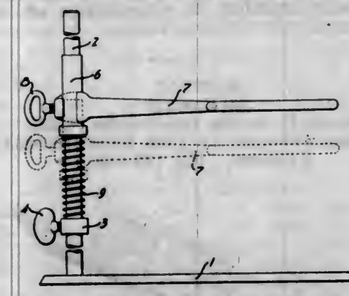
1. In a machine tool the combination of relatively movable supports, transmission mechanism for actuation of one of said supports including a differential device, said differential device including a member simultaneously peripherally and bodily rotatable, a rate changer connected for adjustably effecting various rates of said bodily member rotation, reverser means connected for simultaneous reversal of said differential device and rate changer, power means for adjustment of said rate changer, and means controlling said power means in accordance with operation of said reverser means.

2,202,264
SCRAPER
Gustav T. Peterson, Chicago, Ill.
Application September 26, 1938, Serial No. 231,704
1 Claim. (Cl. 30—169)

A scraper instrument comprising, a main handle member having a threaded extension, a scraper support provided with teeth cut in radial formation and a central slotted portion adapted to straddle the threaded extension of the said handle member, said support swivellably attached to a pivot member provided with a threaded portion adapted to engage the threaded extension of the said handle member, an equalizer adjustment lock nut provided with teeth adapted to mesh with the teeth of said scraper support, a scraper blade provided with a slotted portion open at one end mounted on said scraper support, clamping means adapted to clamp the said scraper blade attached to said support, and an auxiliary handle member attached to said scraper support.

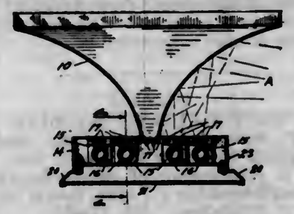


2,202,265
LABORATORY STAND
Elmer P. Phillips, Oakland, Calif.
Application December 18, 1937, Serial No. 180,663
2 Claims. (Cl. 248—125)



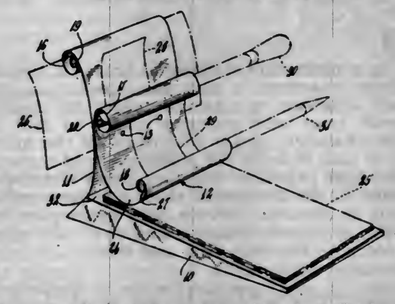
2. A laboratory stand comprising a post, an apparatus support movable upon the post, a collar adjustably secured upon the post, and a spring interposed between the support and the collar for yieldably supporting the apparatus support in adjusted position upon the post for movement into and out of apparatus engaging position.

2,202,266
LIGHTING FIXTURE
Thomas D. Phillips, Denver, Colo., assignor of fifty per cent to Lillian Montaldo, New York, N. Y.
Application October 31, 1938, Serial No. 237,804
2 Claims. (Cl. 240—78)



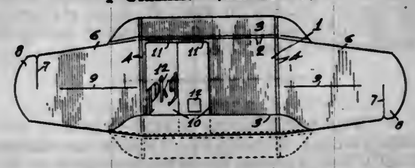
1. A lighting fixture comprising: an elongated canopy; curvated sides on said canopy extending inwardly and downwardly to an elongated apex; supporting members extending outwardly from said apex; an open frame supported by said supporting members below said canopy; a lower stiffening flange formed on said open frame; a series of tube terminal receptacles carried by the end members of said frame; a series of parallel, fluorescent tubes supported by their extremities in said receptacles; a series of hooked bracket members extending outwardly and downwardly from said frame; and an elongated glass plate supported by said latter members below said tubes.

2,202,267
HOLDER FOR WRITING PARAPHERNALIA
Emanuel R. Posnack, New York, N. Y.
Application March 21, 1939, Serial No. 263,105
16 Claims. (Cl. 281—1)



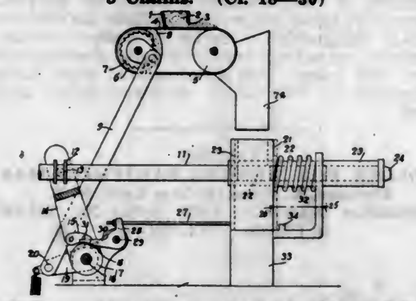
3. A holder of the character described comprising a base adapted to accommodate thereon a pad, a supporting member joined to the base, and a clamping member carried by the supporting member and comprising a continuous strip of resilient sheet material having a lower portion engageable with the rear portion of the base and adapted for yieldable pressing engagement with the rear of the said pad to frictionally hold it in place, the upper portion of the clamping member terminating in a substantially spiral-like portion adapted to retain therein a pencil or other similar writing implement, the supporting member having a portion thereof disposed adjacent the said spiral-like portion of the clamping member and gradually receding therefrom to form a space for accommodating one or more sheets of paper.

2,202,268
PRICE MARKING DEVICE
Clemens Rohlfes, San Francisco, Calif.
Application January 23, 1940, Serial No. 315,201
4 Claims. (Cl. 40—5)



1. A price-marking device comprising the combination with detached price-indicating elements, of a flexible card having flaps on the top and bottom edges and folding over the upper and lower margins of said card to detachably hold and expose said elements; and tabs on the ends of said card and flaps and folding rearwardly to hold said flaps folded, each tab having means for engaging the other to form a support.

2,202,269
OVERFEED DEVICE
Charles Daniel Ryder, Covington, Ky., assignor to The Grotelite Company, Bellevue, Ky., a corporation of Kentucky
Application August 9, 1937, Serial No. 158,113
5 Claims. (Cl. 18—30)



2. In combination, a material holder, a slidable injection chamber, a material injector movable in said chamber, a material feeder for feeding material from said material holder to said injection chamber, means responsive to the movement of said injector for actuating said material feeder, said injection chamber being slidable in response to the accumulation of a predetermined surplus of material therein, and mechanism responsive to a predetermined sliding of said injection chamber for rendering said feeder-actuating mechanism temporarily inoperative during the existence of said surplus whereby to temporarily immobilize said material feeder while effecting continued strokes of said injector to use up said surplus in said injection chamber.

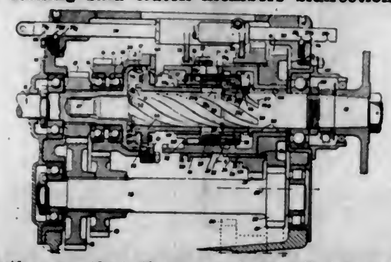
2,202,270
PREPARATION OF SODIUM MONOXIDE
Norman D. Scott, Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 8, 1939, Serial No. 272,402
5 Claims. (Cl. 23—184)

1. The process for the production of sodium monoxide which comprises reacting a mixture of sodium, sodium hydride and sodium hydroxide at a temperature which is below the boiling point of sodium at the prevailing pressure but not lower than the melting point of sodium hydroxide.

5. The process for the production of sodium monoxide which comprises adding hydrogen to a fused mixture of sodium and sodium hydroxide until absorption of hydrogen is substantially complete, and then maintaining the mixture at a temperature of 400 to 600° C. in a stream of inert gas until evolution of hydrogen therefrom is substantially complete.

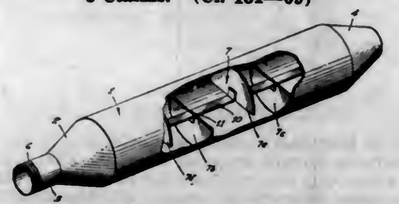
2,202,271
TRANSMISSION MECHANISM
Harold Sinclair, Kensington, London, and Robert Cecil Clerk, Egham, England, assignors to Hydraulic Coupling Patents Limited, London, England, a company of Great Britain
Application August 6, 1938, Serial No. 223,393
In Great Britain April 25, 1938
16 Claims. (Cl. 74—337)

6. A change-speed gearing yielding at least two speed ratios between its input shaft and its output shaft and comprising a gear selecting clutch including two members which in a first condition of the clutch are free to rotate in both senses relatively to each other and which are engageable together to establish the higher speed ratio, controllable means for causing said clutch members, in a second condition of said clutch, to engage together automatically to cause transmission of driving torque from said input shaft to said output shaft and to free wheel under torque in the sense opposed to said driving torque, and means for locking said clutch members bidirectionally



together so that they can transmit torques in both senses, said controllable means being operable for changing said clutch from said first to said second condition only whilst the ratio of the speeds of said input and output shafts is lower than said higher-speed ratio, and said controllable means including a preselector locking member serving to lock said clutch members bidirectionally together in consequence of their engagement under driving torque.

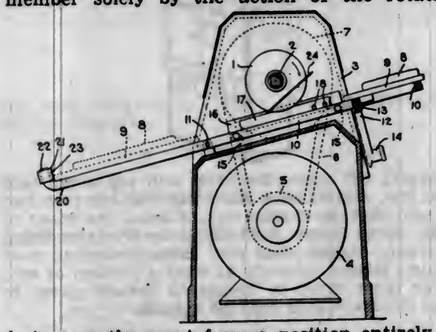
2,202,272
SILENCER
Harold D. Smith, Los Angeles, Calif.
Application February 11, 1939, Serial No. 255,939
5 Claims. (Cl. 181—69)



1. In a silencer for use with the exhaust system of an internal combustion engine, the combination of: a cylindrical muffler body; an inlet and an outlet connected to opposite ends of said body for conducting exhaust gases thereto and away therefrom; one set of semi-circular baffles extending transversely across a part of the width of said body disposed in spaced relationship relative to each other along the length of said body and secured to one side thereof; and another set of semi-circular baffles extending transversely across a part of the width of said body and interposed between and spaced from adjacent baffles of said one set and secured to the opposite side of the interior of said cylindrical body.

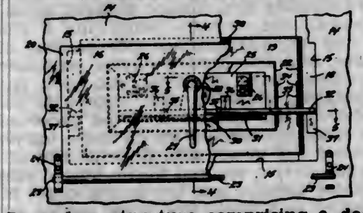
2,202,273
MEAT-SLITTING MACHINE
Joseph P. Spang, Quincy, Mass., assignor to Cube Steak Machine Company, Inc., Boston, Mass., a corporation of Massachusetts
Application December 15, 1936, Serial No. 115,926
6 Claims. (Cl. 17—27)

1. A meat-slitting machine comprising a frame, a set of rotary slitting knives carried thereby, means to rotate the knives, a meat-supporting plate separable from the frame and adapted to support the meat to be slit, a plate-supporting member situated beneath the knives and having one end exposed on one side of the frame for the reception of said meat-supporting plate with an unslit slice of meat thereon, and the other end exposed at the other side of the frame for the discharge of said plate, said plate being free to be moved over said plate-supporting member solely by the action of the rotating



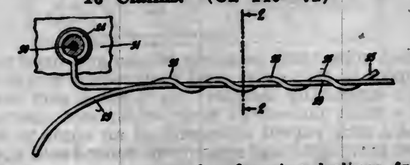
knives on the meat from a position entirely on one side of the knives completely past the knives into a position entirely on the other side of said knives and in which it is free to be removed from the supporting member, a stripper element to engage the upper surface of the meat as it is being acted on by the knives, and means independent from the stripper element to apply a frictional drag directly to said plate while it is being fed past the knives by the frictional engagement between them and the meat whereby the knives will act on the meat with a draw cut.

2,202,274
DOOR CONSTRUCTION
Herman J. Troche, Cleveland, Ohio, assignor to The American Coach and Body Company, Cleveland, Ohio, a corporation of Ohio
Application January 21, 1937, Serial No. 121,519
7 Claims. (Cl. 20—16)



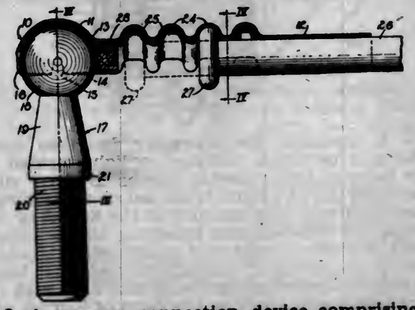
1. In a door structure comprising a door, an upright door-frame with an opening for the door which is relatively recessed at one horizontal edge to receive the adjacent edge of the door, the door having a handle, means controlled by the movement of the handle to move the door bodily in a plane substantially parallel with the opening, said means including a cam operatively connected with said handle, a horizontal bar on the door adjacent the cam and guided for movement laterally of the axis of the bar, the bar extending across the acting face of the cam so as to be moved by the cam, stops on the frame positioned so as to be engaged by the bar, when moved by the cam, means adapted and arranged to prevent axial movement of the bar relative to the door, and a dwell on the cam which operates in contact with the bar, to lock the door positively in the frame.

2,202,275
METHOD AND APPARATUS FOR MAKING HELIXES WITHOUT THE AID OF A CORE OR MANDREL
David Tulloch, Garwood, N. J., assignor to Diamond Expansion Bolt Company, Garwood, N. J., a corporation of New Jersey
Application February 7, 1939, Serial No. 255,007
16 Claims. (Cl. 140—71)



1. In an apparatus for forming helixes from wire or similar material, without the aid of a core or mandrel, consisting of a fixed member, a movable member, stops on the fixed member, a plurality of pivoted dies carried by the movable member having portions adapted to cooperate with the stops carried by the fixed member, and means to move the movable member to form helixes from the wire or similar material.

2,202,276
BALL JOINT
Anthony Venditty, Detroit, Mich., assignor to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio
Application February 3, 1938, Serial No. 188,401
8 Claims. (Cl. 287—90)

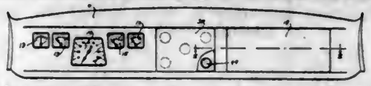


8. A snap-on connection device comprising a metal member defining a housing for an articulated joint having a hollow elongated shank with a resiliently expansible longitudinal slot along the length thereof, said shank having a localized area therein of different size than the main interior of the shank whereby a member having a shank fitting portion and a localized mating portion for said area in the shank can be snapped through the expansible slot and retained in the shank with the localized shank area and mating portion of the member holding the member against axial removal.

2,202,277
INSTRUMENT PANEL ASSEMBLY
John Visser, Grand Rapids, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application June 3, 1939, Serial No. 277,245
13 Claims. (Cl. 180—90)

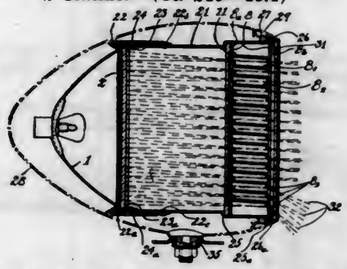
1. In an automobile body construction, an instrument panel having a generally smooth surface free from projections, said panel having an aperture, a sub-panel mounted behind said aperture, control members carried by and projecting from said sub-panel, said control mem-

bers lying entirely behind the plane of said instrument panel, a cover fitting in said aperture in the plane of said instrument panel and having a smooth surface free from projections and forming a continuation of the smooth surface of said instrument panel, supporting members behind and fixed with respect to said instrument



panel, supporting members behind and fixed with respect to said cover, and cooperating means on said supporting members for guiding said cover in a short movement back out of said aperture and a long curved movement at an angle to said first movement and away from behind said aperture.

2,202,278
LIGHTING DEVICE
Joseph C. White, Boston, Mass.; Alice G. White, Boston, Mass., executrix of Joseph C. White, deceased
Application December 30, 1936, Serial No. 118,217
2 Claims. (Cl. 240—48.4)



1. A device of the character described comprising a parabolic reflector, a light located in the focus of said reflector, means to direct substantially all the light beam below a horizontal plane which is substantially at the height of the top of the reflector, said directing means including a lens whose rear face is opposite and adjacent to the mouth of the reflector, said face being formed of a series of like horizontal ribs, each rib face cross section having the form of half an arc, said arc being a segment of a circle of relatively large diameter, the horizontal base of said half an arc being the sagitta of said arc, and a light-spreading lens located approximately in the vertical plane of the foci of said lens ribs and having a series of like vertical plano-cylindrical prisms facing said reflector, a vertical diaphragm located in proximity to said spreading lens having a series of angularly disposed relatively non-transparent thin plates crossing the plane of the foci of said lens ribs and having rear upwardly turned and front downwardly turned flanges, the edges of which plates coincide with the plane of the sagitta of the arcs of the respective lens ribs.

2,202,279
CIGARETTE PACKAGE
Carroll L. Wilson, Framingham Center, Mass., assignor to Electra Corporation, Wilmington, Del., a corporation of Delaware
Application March 7, 1936, Serial No. 67,611
Renewed January 16, 1940
5 Claims. (Cl. 229—44)

1. In a package of cigarettes, enclosing means comprising a plurality of layers, at least one of said layers constituting stiff cardboard adapted to reinforce the rigidity of the package, said stiff layer including a top for the package, closure means integral with said stiff layer and captive within the package adapted to open and close an opening in the package to permit the withdrawal of cigarettes therefrom, said closure means comprising a portion of said top attached by a fold line to the remainder of said top to



hingedly lift upwardly from said top along said fold line, and at least one wing foldably attached to said portion of said top, at least one other of said layers being positioned, in the completed package, outside said stiff layer including said closure means, whereby at least a portion of said outer layer must be destroyed before access to said closure means may be gained.

2,202,280
CIGARETTE PACKAGE
Carroll L. Wilson, Framingham, Mass., assignor to Electra Corporation, Wilmington, Del., a corporation of Delaware
Application April 25, 1938, Serial No. 204,093
Renewed January 29, 1940
18 Claims. (Cl. 229—44)

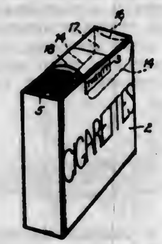


1. In a package of cigarettes, a combined box-like reinforcing and closure element made from stiff stock, said element comprising a front, a back and an intermediate side portion hinged together, said side portion having an upper section relieved from the front and back portions and hingedly disposed with respect to the remainder of said side portion, the upper section of the aforesaid side portion having a top portion secured to the upper edge thereof, and at least one wing portion secured to the lateral edges of said upper section and the lateral edges of said top portion to hold the said upper section and top portion in rigid angular relation to form said closure.

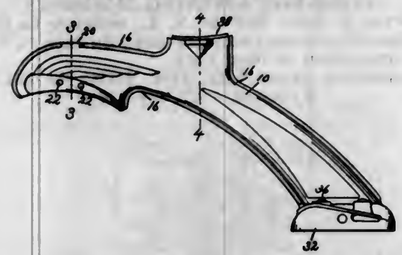
2,202,281
CIGARETTE PACKAGE
Carroll L. Wilson, Brookline, Mass., assignor to Electra Corporation, Wilmington, Del., a corporation of Delaware
Application May 11, 1938, Serial No. 207,214
13 Claims. (Cl. 229—51)

11. In a package, a reinforcing element made from stiff stock, said reinforcing element providing parallel edges disposed along opposite sides of the top of the package, a closure for the package comprising a panel having hinged wings on each side thereof, the aforesaid edges being received in the hinge of the closure whereby said closure is slidable back and forth on said edges,

and at least one layer of material surrounding said reinforcing and closure elements and holding said wings flush to the said opposite sides of the package.



2,202,282
VELOCIPEDE FRAME
Bert J. Anderson, Hammond, Ind.
Application November 5, 1937, Serial No. 172,919
3 Claims. (Cl. 280—282)



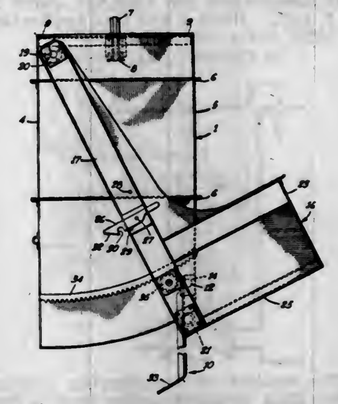
1. A velocipede frame including a pair of stampings joined along portions of the upper and lower edges thereof, a portion of the lower edge of each stamping closely adjacent the front thereof being flared outwardly and downwardly to provide a combination fork socket and fender integral with said frame, and a steering post bushing in engagement with said outwardly and downwardly flared portion and extending upwardly therefrom.

2,202,283
METHOD OF DECORATING TEXTILES AND COMPOSITION FOR USE THEREIN
Norman S. Cassel, Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application June 24, 1938, Serial No. 215,585
10 Claims. (Cl. 8—70)

1. The method of decorating a textile fabric which comprises printing a textile fabric with an emulsion the inner phase of which is a water solution of a textile dyestuff and the outer phase of which comprises a water-immiscible film forming liquid.

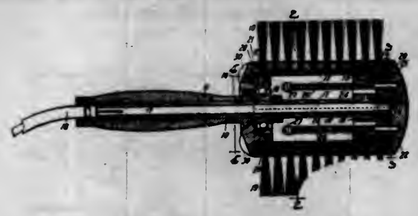
2,202,284
CONCRETE BUCKET
Francis T. Crowe, Boulder City, Nev.
Application April 22, 1939, Serial No. 269,544
6 Claims. (Cl. 294—69)

1. In a concrete bucket construction, the combination of: a bucket body comprising a tubular member having upwardly extending sides; a rigid closure member for the lower open end of said bucket body for retaining therein concrete placed within said bucket comprising a flat plate-like member; means pivotally securing said closure member to said bucket body at one side thereof for movement between an open and a closed position; a gate operator having roller means engaging the under side of said closure member;



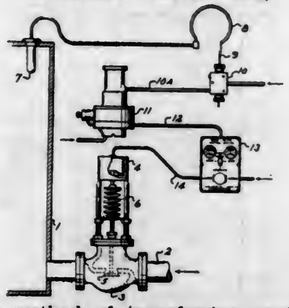
and a pivotal mounting means for securing said operator to said bucket body, said pivotal mounting means being so disposed as to define an arcuate path of movement for said roller means extending below and closely adjacent to said pivotal mounting means for said closure member.

2,202,285
PORTABLE ROTARY BRUSH
Richard A. Dunnam, Dayton, Ohio, assignor of one-half to Jesse N. Armstrong, Dayton, Ohio
Application April 28, 1937, Serial No. 139,371
7 Claims. (Cl. 15—183)



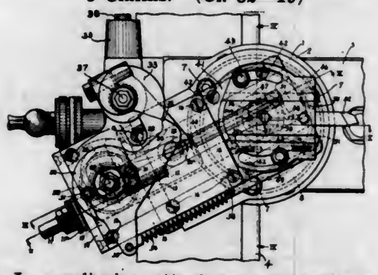
1. In a portable rotary brush, a support, a frame rotatably mounted on said support, a brush head mounted on said frame for rotation therewith, and divided longitudinally into a plurality of separable parts, said frame having at one end thereof an annular retaining member to engage the adjacent ends of the several parts of said brush head, a retaining device mounted at the other end of said frame and having an annular portion movable into and out of engagement with the adjacent ends of said parts of said brush head, spring means for connecting said retaining device with said frame, said spring means and said retaining device being capable of a limited rotary movement with relation to said frame, said retaining device having an element to engage one part of said frame and hold said retaining device normally against rotation with relation thereto and to engage another part of said frame when said retaining device has been rotated and hold the latter in an inoperative position with relation to said parts of said brush head, and means for rotating said frame.

2,202,286
CONTROL SYSTEM
Harvard H. Gorrie, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application February 25, 1935, Serial No. 8,047, now Patent No. 2,098,914, dated November 9, 1937. Divided and this application April 19, 1937, Serial No. 137,667
20 Claims. (Cl. 137—153)



1. The method of transferring control of a pressure fluid actuated device from a first fluid pressure to a second fluid pressure which comprises rendering said device insensitive to changes in the first fluid pressure, determining the magnitude of the first fluid pressure, making the second fluid pressure substantially equal to the first fluid pressure, and rendering the device sensitive to changes in the second fluid pressure.

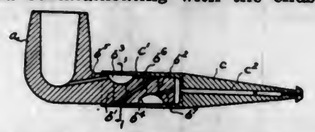
2,202,287
RELIEVING ATTACHMENT FOR LATHES
William F. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application March 30, 1939, Serial No. 265,002
5 Claims. (Cl. 82—19)



1. In a relieving attachment for lathe, a base mounted to swivel on the cross slide of said lathe, a frame slidably mounted on said base, means on said frame for feeding said frame relative to a work piece in said lathe, a tool holder mounted to swivel in a horizontal plane on said frame, a cutting tool in said tool holder, a reciprocating bar slidably mounted in said frame, and cam means interconnecting said bar and said tool whereby reciprocation of said bar effects reciprocation of said tool holder in any adjusted position of said tool holder on its swivel mounting.

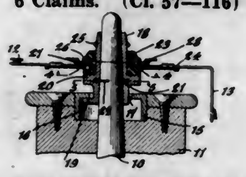
2,202,288
SMOKING PIPE, CIGARETTE, AND CIGAR HOLDER
William Ernest Heron, Detroit, Mich.
Application August 21, 1939, Serial No. 291,157
1 Claim. (Cl. 131—210)

In a tobacco smoking device having a removable tubular casing, a stem member adapted to be enclosed in said casing, said stem member having spaced apart, circumferentially disposed grooves, enlarged recesses arranged on the periphery of said stem member, each of said recesses being disposed at right angles to the stem axis and communicating with the ends of one



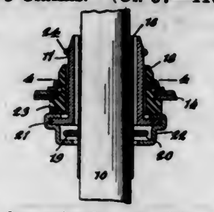
of said grooves, a passage through a portion of the stem member leading from one end thereof to one of said recesses, a second passage through a portion of the stem member connecting a pair of adjacent grooves, and a third passage through a portion of the stem member leading from the last of said recesses to the other end of the stem member.

2,202,289
FLIER FOR SPINNING MACHINES
Harvey E. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York
Application January 20, 1939, Serial No. 251,983
6 Claims. (Cl. 57—116)



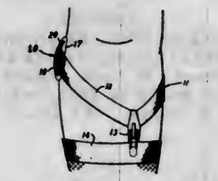
1. A flier for spinning machines and the like, comprising a sleeve adapted for attachment to a bobbin-spindle, a bearing member detachably mounted on said sleeve, a wire-base mounted on said bearing member, and yieldable clutch means disposed between said sleeve and the spindle and constituting a driving connection between such parts.

2,202,290
FLIER FOR SPINNING MACHINES
Harvey E. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York
Application January 24, 1939, Serial No. 252,691
5 Claims. (Cl. 57—116)



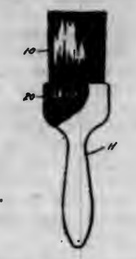
1. A flier for spinning machines and the like, comprising a split expansible sleeve adapted for attachment to a bobbin-spindle, a journal member disposed in spaced relation about said sleeve for rotation relative thereto, complementary means on the outer and inner faces of said sleeve and said journal member, respectively, for holding the latter against limited axial displacement relative to the former, a bearing member detachably mounted on said journal member, and a wire base attached to said bearing member.

2,202,291
GARTER GRIP
John B. Holtzclaw, Los Angeles, Calif.
Application August 30, 1938, Serial No. 227,496
5 Claims. (Cl. 241—6)



1. A garter grip including a flexible disk having a concave lower face, an integral diametral strap spaced above said disk and forming a slot therewith adapted to engage a garter band, ventilation holes communicating with said concave lower face, said disk having an aperture, a spur member positioned within said disk aperture, said strap having an aperture, said spur extending through said aperture in said strap, said spur being adapted to engage the band of a garter.

2,202,292
BRUSH
Edward T. Howard, Cleveland, Ohio
Application June 9, 1934, Serial No. 729,767
2 Claims. (Cl. 15—193)



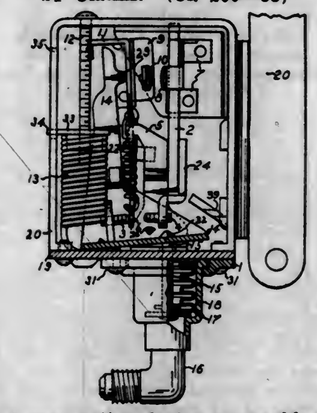
1. A paint brush having a tuft of bristles and a hand grip handle extending in the same general direction as the bristles, a flat strip binder surrounding the bristles and having openings extending therethrough, the handle comprising a one-piece molded member, the material of which is embedded around the binder and through the openings therein and into interstices between the bristles.

2,202,293
VENETIAN BLIND
Gottfrid C. Lawson, Cleveland, Ohio
Application January 26, 1938, Serial No. 187,031
10 Claims. (Cl. 156—17)



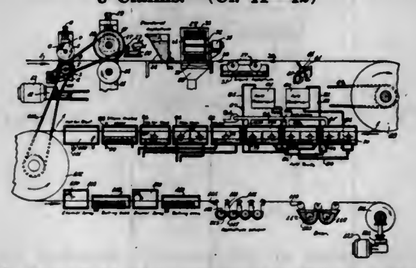
1. A tilting mechanism for a Venetian blind tilt rail including a bracket adapted for attachment to a window casing, a bearing in said bracket and a trunnion rotatable in said bearing, a connector for connecting said trunnion to said tilt rail and a sheave operably connected to said trunnion, means to engage said sheave to hold said tilting mechanism in operative position in said bracket.

2,202,294
CONTROL APPARATUS
Paul B. Leonard, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application August 5, 1936, Serial No. 94,411
24 Claims. (Cl. 200—83)



1. In a snap action device, a movable element, a flipper fulcrumed at one end, a spring connecting the movable element and the flipper, an actuating member, a spring connecting the actuating member to the flipper, stop means disposed to contact the free end of the flipper and means for moving the actuating member.

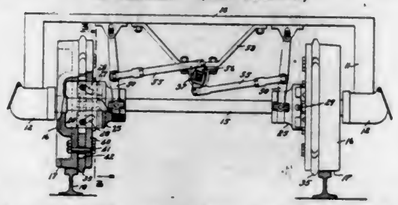
2,202,295
METHOD OF FORMING ORNAMENTAL STRIP METAL
Donald A. Marshall, Toronto, Ontario, Canada, assignor to Parts Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application July 22, 1937, Serial No. 154,992. Divided and this application October 3, 1938, Serial No. 233,043
8 Claims. (Cl. 41—42)



5. A method of producing an etched metallic strip of greatly extended length which comprises, moving a continuous strip of metal in a longitudinal direction and in the course of such movement repeatedly applying designs in liquid to one side of the strip, applying to said designs a powdered material capable of fusing and forming a resist when heated, removing excess powdered material from the strip, applying an acid resist coating to the other side of the strip, heating the strip, subjecting the strip to an acid etching treatment, subjecting the strip to a cooling fluid, subjecting the strip to a saline solution to clean the strip, subjecting the strip to a water spray to remove the saline solution, subjecting the strip to a heated liquid, subjecting the strip to an air

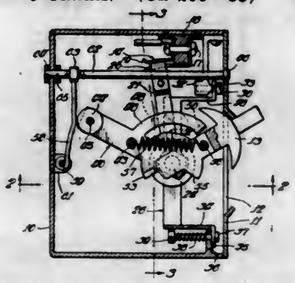
blast to dry the same, spraying enamel on the strip, heating the strip to rapidly dry the enamel, subjecting the strip to a lacquer spray, and then heating the strip to rapidly dry the lacquer, all of said steps being performed during movement of the strip.

2,202,296
CONVERTIBLE CAR WHEEL
James C. Mock, Detroit, Mich.
Application January 28, 1937, Serial No. 122,702
1 Claim. (Cl. 295—9)



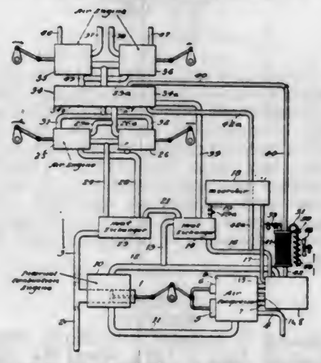
A convertible car wheel including a wheel body having a tread, a plate having an arcuate edge slidably mounted within said body and intermediate the sides of said tread and arranged to project its arcuate edge beyond said tread in one extreme of its movement and to have said edge withdrawn to within the line of the tread at its other extreme of movement, and means to cause sliding movement of said plate, said means comprising a cam block having a diagonally arranged cam slot therethrough and movable axially of the wheel body, a cam follower consisting of a pin extending through said slot and carried by the plate and means for moving said block axially of said wheel.

2,202,297
SWITCH
Thomas J. Mudon, Hammond, Ind.
Application June 14, 1937, Serial No. 148,129
9 Claims. (Cl. 200—33)



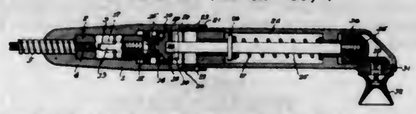
1. A switch of the character described comprising stationary contacts and a movable bridge contact movable into and out of position to connect said stationary contacts, and means for moving said bridge contact comprising an actuating member having a lost motion connection with said bridge contact, manually operable means for moving said actuating member between a position where it holds the bridging contact in position to connect the stationary contacts and a position where it holds the bridging contact away from the stationary contacts, and retarding means for said actuating member adapted to retard its movement during the lost motion between it and the bridging contact as the actuating member is moved from the first named position to the position where it holds the bridging contact out of engagement with the stationary contact, said retarding means comprising a track and a creeping element on the actuating member for engaging said track.

2,202,298
POWER GENERATING, TRANSMITTING, AND DELIVERING APPARATUS
Chauncey M. Park, Evanston, Ill.
Application March 20, 1937, Serial No. 132,001
6 Claims. (Cl. 60—14)



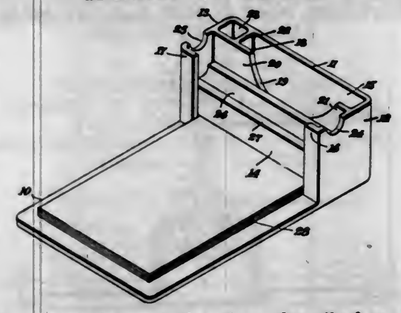
4. A power transmission system comprising in combination an internal combustion engine, an air compressor driven by said engine, a storage reservoir receiving compressed air from the compressor, an air engine connected to receive air from said storage reservoir, means for absorbing heat from the air compressed by said compressor before it is stored in said reservoir, and to transmit said heat absorbed from the air to the air fed from the storage reservoir to the air engine, and means to transfer heat of combustion from the exhaust gases of the internal combustion engine to the air being fed to the air engine after the air has received heat from said heat absorbing means.

2,202,299
DENTAL POLISHING MACHINE
Louis N. Pelkey, Howell, Mich.
Application February 24, 1936, Serial No. 65,381
1 Claim. (Cl. 32—59)



In apparatus of the character described, a pair of casing sections releasably attached together, rotatable drive means in one of said casing sections, rotatable drive means in the other of said casing sections and operatively connected to said first-named drive means, a driven member rotatable about an axis transverse to the axis of said last-named drive means, said second-named drive means being readily disengaged from said first-named drive means upon detaching said casing sections, said second-named drive means being bodily movable from an inactive position to an active position to drive a tool, manually operable means carried by said one casing section and operable to move said second-named drive means to its active position, and means operable to return said second-named drive means to its inactive position.

2,202,300
HOLDER FOR DESK PARAPHERNALIA
Emanuel R. Posnack, New York, N. Y.
Application May 1, 1939, Serial No. 271,035
14 Claims. (Cl. 120—82)



1. In a holder of the class described, a flat base adapted to accommodate thereupon a pad of paper, a movable weighted member at the rear of the base and adapted to overlie and rest upon the rear portion of said pad for yieldably retaining it in place, and guiding means in engagement with said member for confining it to a predetermined substantially vertical path, said guiding means having a portion thereof in slidable engagement with the rear portion of the weighted member and adapted for abutting engagement with the rear of the pad to hold it against rearward movement, the upper surface of the base being substantially in one plane for supporting thereupon the entire pad of paper.

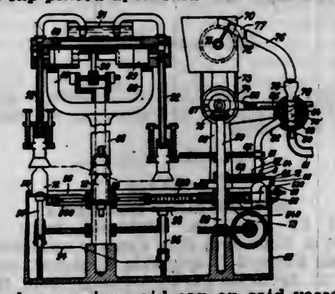
2,202,301
LEAF SPRING CONSTRUCTION
Karl K. Probst, Detroit, Mich.
Application November 28, 1938, Serial No. 242,684
8 Claims. (Cl. 267—1)



1. The combination of a plurality of parallel leaf springs each terminating in multiple loop ends, frame members supporting said springs, and elastic means interposed between each of said springs and the adjacent springs constituting means for restoring said springs to mutually parallel relation after a displacement thereof.

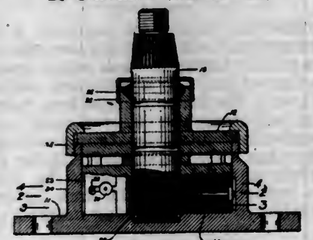
2,202,302
SCREWING DEVICE FOR SCREW-STOPPERED VESSELS
Helmut Sickel, Leipzig, Germany
Application July 1, 1937, Serial No. 151,438
In Germany July 3, 1936
9 Claims. (Cl. 226—88)

1. A machine for closing vessels by screw caps comprising a carrier for said vessels, said carrier continuously moving said vessels in a predetermined path, a reservoir for said caps movable in another path coinciding for a distance with said path of said vessels, means for discharging the lowermost cap from said movable reservoir at a definite point and at a time when a vessel is located underneath said reservoir, and means adapted to frictionally engage the circumference of said cap placed upon said vessel and to actuate



for firmly screwing said cap on said vessel independently of the number of the threads thereof.

2,202,303
HYDRAULIC CHECKING MECHANISM
Alfred Swanson, Los Angeles, Calif.
Application July 1, 1939, Serial No. 282,441
10 Claims. (Cl. 16—82)



1. In an hydraulic shock absorber, a reciprocative rotary piston moveable within a working chamber, a fixed block adjacent said working chamber and two manually adjustable valved ducts communicating through said block between the working chamber on one side of said piston and the working chamber on the other side of said piston, one of said ducts having a check valve to permit the flow of liquid in one direction only.

2,202,304
PEN
Ernst A. Wiegman, New York, N. Y.
Application November 28, 1938, Serial No. 242,668
6 Claims. (Cl. 120—110)



6. A pen comprising a reservoir, a linear contact area and two capillary passages leading from said reservoir to said linear contact area, the total area of said two passages being less than that of the linear contact area.

2,202,305
HAIR GRIP PIN
John M. Yourek, Chicago, Ill.
Application February 16, 1939, Serial No. 256,755
3 Claims. (Cl. 132—50)

1. A grip pin formed of resilient material, said

material being bent about its central portion to form two legs, one of said legs being straight,



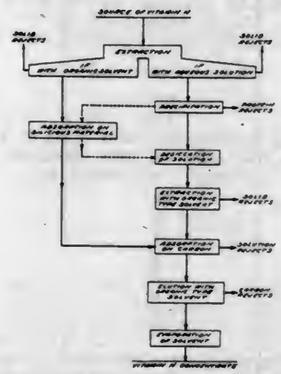
the other leg being twisted to form a plurality of portions disposed consecutively at right angles to each other.

2,202,306
REFLECTING ELEMENT
Samuel F. Arbuckle, Highland Park, Mich.; Hazel B. Scott and Guy Coulter administrators of said Samuel F. Arbuckle, deceased, assignors to S. F. Arbuckle Corporation, Detroit, Mich., a corporation of Delaware
Application May 22, 1936, Serial No. 81,207
2 Claims. (Cl. 88—78)



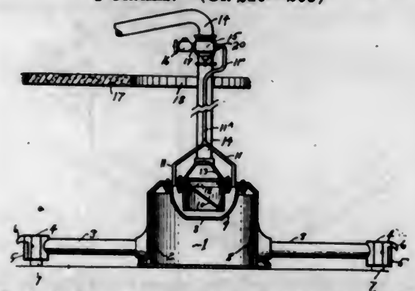
1. A reflecting device for marking a road at night, comprising, a member having two legs extending at right angles to each other, one of said legs being provided with a reflecting surface and the surface of the other of said legs being relatively less reflecting, the other of said legs being at least equal in frontward extension to the width of said first leg with the second said leg disposed substantially parallel to the road for confining the light reflected from said first leg substantially parallel to the road edge marked thereby.

2,202,307
VITAMIN CONCENTRATION
Lela E. Booher, New York, N. Y.
Application June 20, 1936, Serial No. 86,305
7 Claims. (Cl. 167—81)



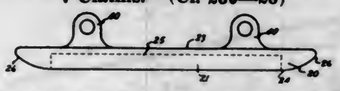
1. In a process for the preparation of a vitamin bearing concentrate in which factors of the vitamin B-complex other than vitamins B (B_1) and G (flavin) are primarily concentrated, the steps of adsorption of the vitamin from an aqueous solution thereof with a non-alkaline activated carbon, separation of the carbon, and elution of the vitamin therefrom at an elevated temperature with a solvent selected from a group consisting of alcohols, benzene-alcohol, and acetone.

2,202,308
SLUDGE REMOVING DEVICE
Duer H. Buckley, Warren, Ohio, assignor to Sanitary Service Inc., Dover, Del., a corporation of Delaware
Application April 10, 1939, Serial No. 267,003
5 Claims. (Cl. 210—209)



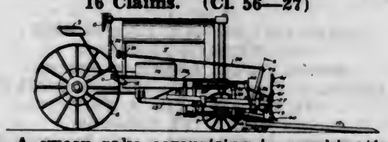
1. A sludge removing device comprising a suction chamber, a plurality of suction tubes positioned around and extending from the said suction chamber, a suction port positioned on the outer end of each of the said plurality of suction tubes, an opening in the top of the said suction chamber, a flexible hose connected to the said suction chamber and communicating therewith by means of the said opening, means for admitting air into the said suction chamber comprising a tube opening into the said suction chamber and leading to a control valve.

2,202,309
SNOWPLOW SHOE
Harry L. Campbell, St. Paul, Minn., assignor to American Hoist and Derrick Company, St. Paul, Minn., a corporation of Delaware
Application December 31, 1938, Serial No. 248,813
7 Claims. (Cl. 280—28)



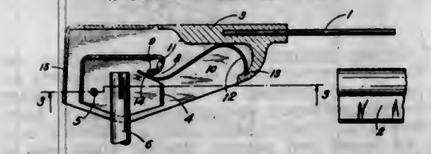
1. An article of the character described, comprising a body member of metal having a concavity in a surface thereof, an insert piece of metal united with said body member and disposed within said concavity, and an insert piece of metal retained within said concavity by the first mentioned insert piece.

2,202,310
POWER OPERATED SWEEP RAKE
Joseph H. Cope, Denver, Colo.
Application April 15, 1939, Serial No. 267,969
16 Claims. (Cl. 56—27)



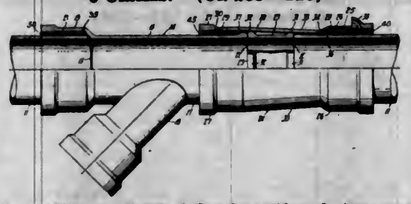
1. A sweep rake comprising in combination, a transverse bar, a plurality of teeth extending across the bar, pivotally connected thereto for angular displacement relative to the bar, means comprising a bar spaced from the first mentioned bar and pivotally connected with the teeth for holding them in parallel relation and for effecting a simultaneous adjustment of the teeth relative to the first mentioned bar, supporting wheels attached to the first mentioned transverse bar for movement about a vertical pivot, and means interconnecting the wheels and the rake teeth for maintaining the planes of rotation of the wheels substantially parallel with the rake teeth in all angular adjustments of the latter.

2,202,311
WINDSHIELD WIPER ARM
Frederick G. Folberth and William M. Folberth, Cleveland, Ohio
Application October 29, 1938, Serial No. 237,730
2 Claims. (Cl. 15—255)



2. In a windshield cleaner or the like, a squeegee bar supporting arm, an operating shaft, means for pivotally securing said arm to said shaft for rotary movement therewith, said pivotal means being adapted to permit said arm to swing toward and away from the windshield, and spring means adapted to exert a compressive force between said shaft and said arm, said spring means having its inner end disposed in fixed relation to said shaft and said pivot and its outer end engaging said arm, said spring ends being so positioned that, when said arm is in operating position, a line drawn between said pivot and the point of engagement of the outer end of the spring with the arm will pass on one side of the effective point of support of the inner end of said spring and, when said arm is in disengaged position, a line drawn between said pivot and the point of engagement of the outer end of said spring with the arm will pass on the other side of said effective point of support of the inner end of the spring.

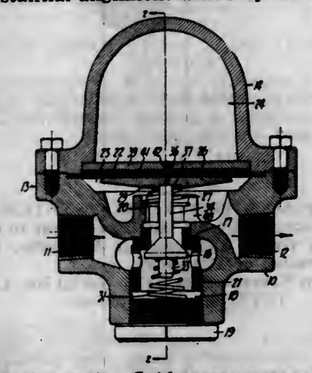
2,202,312
FITTING
Joseph E. Frances, Oakland, Calif.
Application March 25, 1938, Serial No. 198,024
6 Claims. (Cl. 285—116)



1. A fitting adapted for insertion between and connection to spaced pipe ends comprising, a pipe section mounted between said ends and abutting one of said ends, a second pipe section inserted between said first section and said other pipe end, and a sleeve engageable over said last named pipe end and both said sections and having a wedged engagement with said second named section.

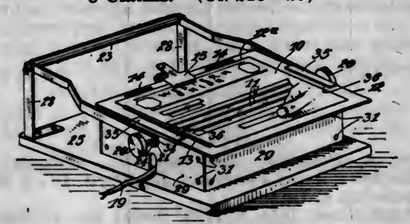
2,202,313
FLUID PRESSURE REGULATOR
Marvin H. Grove, Berkeley, Calif.
Application November 10, 1937, Serial No. 173,857
4 Claims. (Cl. 50—21)

1. In a fluid pressure regulator, a body having inflow and outflow openings, an annular valve seat formed within the body, a valve member cooperating with the valve seat and movable in opposite directions between open and closed positions, movements of said valve member serving to control flow of fluid through the body, a valve stem secured to the valve member and extending in substantial alignment with respect to the axis



of the valve seat, a fluid pressure operated member having abutting engagement with the free end of the valve stem, said valve stem being otherwise free from contact with parts serving to retain the same in aligned position, and a substantially conical spring means serving to urge the valve member towards its seat and also serving to generally retain the valve member aligned with respect to its seat.

2,202,314
DEVICE FOR APPLYING STRIPS
Theodore H. Krueger, Shelton, Conn.
Application January 30, 1937, Serial No. 123,129
8 Claims. (Cl. 216—20)

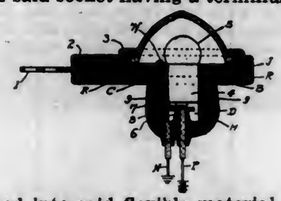


1. A device including a hot plate, a second plate warmed by the hot plate and adapted to receive a blank to warm it to enable strips to be attached thereto by a heat-softened adhesive, and devices for shifting one plate to face the other to cause the blank to be compressed between the two plates to more firmly attach the strips.

2,202,315
RESILIENT LIGHT SOCKET AND BRACKET EXTENSION
Jesse D. Langdon, Los Angeles, Calif.
Application October 20, 1937, Serial No. 170,010
5 Claims. (Cl. 240—7.1)

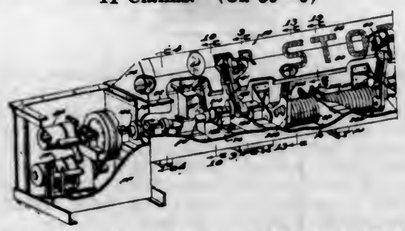
1. An electric light socket, including a recess of flexible material forming said socket, a wire extended along the inside of said socket to contact the shank of an electric light globe disposed in the recess formed by the inside of said socket, an additional electrical contact disposed in said socket to impinge the end of the shank to com-

plete an electric circuit, said wire extended along one side of said socket having a terminus adapted



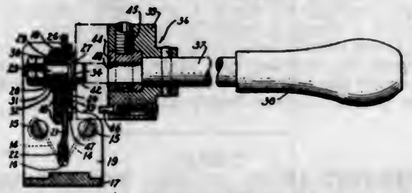
to be forced into said flexible material to retain said wire to form a ground connection for the shank of said electric light globe.

2,202,316
CROSSING PROTECTIVE SYSTEM
Sulo M. Nampa, Detroit, Mich., assignor to Grade Crossing Guard Corporation, Memphis, Tenn., a corporation of Tennessee
Application November 30, 1936, Serial No. 113,410
11 Claims. (Cl. 39—6)



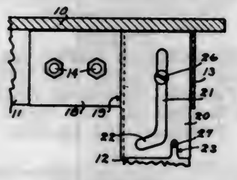
1. In a protective system, a barrier, means for supporting said barrier for movement between a retracted and a projected position, continuously acting means for urging and effective to move said barrier to the projected position, a crank shaft, means connecting said crank shaft to said barrier, said crank shaft serving to retract said barrier to the retracted position against the force of said continuously acting means, and means for locking said crank shaft in a position corresponding to the retracted position of said barrier.

2,202,317
WINDER
Burt A. Peterson, Rockford, Ill., assignor to Barber Colman Company, Rockford, Ill., a corporation of Illinois
Application July 7, 1938, Serial No. 217,880
14 Claims. (Cl. 28—68)



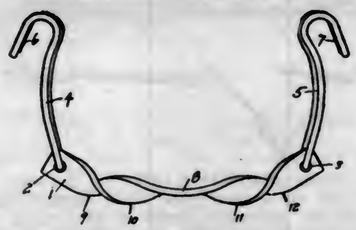
14. The combination of a spooler having a plurality of yarn clearing devices each having means defining an opening for the passage of a strand of yarn and an adjusting element for changing the size of said opening, means for imparting angular adjusting movements to said elements, and means cooperating with the last mentioned means for determining the extent of angular movement imparted to said elements whereby to effect a predetermined change in the size of each of the devices.

2,202,318
TABLE LEG MOUNTING
John C. Ralson, Seabold, Wash.
Application April 22, 1938, Serial No. 203,559
2 Claims. (Cl. 311—99)



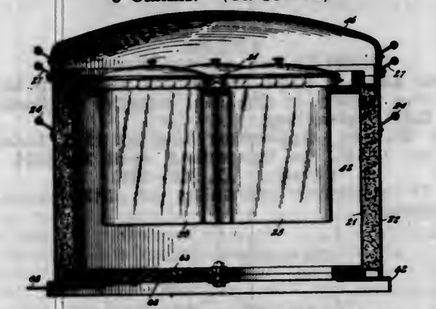
1. In leg mounting means of the class described, a member to be supported; supports secured to said member in rectangular formation with their adjacent ends spaced apart to leave a receptacle between said ends; a table leg having an upper end portion thereof positioned in said receptacle between adjacent ends of said supports when said table leg is extended, the upper end of said table leg having one outer corner thereof rounded off; to provide clearance for said leg when the same is angularly moved; a corner forming bracket of right angle shape positioned against the outer sides of two adjacent supports and having a portion positioned alongside of the table leg and extending below the plane of the bottom edges of the supports; a leg supporting plate positioned against the inner side of one of the supports opposite one portion of said corner forming bracket; means securing said corner forming bracket and said leg supporting plate to the support against which they are positioned; correspondingly positioned substantially upright L shaped slots in said leg supporting plate and in a parallel portion of said corner forming bracket; and aligned pins in said leg operatively disposed in said slots permitting said leg to be moved longitudinally between said plate and said bracket and to be folded parallel to the adjacent support.

2,202,319
SKID-CHAIN LINK
George W. Round, Deerfield, Ohio
Application June 20, 1939, Serial No. 280,088
2 Claims. (Cl. 152—226)



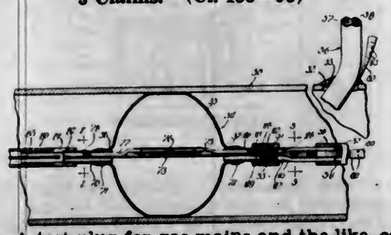
1. An anti-skid chain cross link comprising a bar of twisted steel the center section of which is flat in relation to the tire upon which it is used, the end sections thereof each being twisted so as to form a plurality of road engaging flanges of the said twisted steel bar, openings in the ends of the said twisted steel bar, connecting arms engaging the said openings and adapted to be connected to the annular supporting side chains of an anti-skid chain set, so as to form a cross link the tire engaging surfaces of which are relatively flat and convexly shaped in relation thereto.

2,202,320
COOKING SET
Guido M. Sacerdote, Bayside, N. Y.
Application April 15, 1936, Serial No. 74,465
6 Claims. (Cl. 53—11)



1. A sectionalized cooking appliance, comprising an open top and bottom shell, a removable top therefor, and a removable base plate adapted to complete an oven structure with said shell and top, said base plate having openings, and register means for controlling said openings, said shell and base plate having interengaging portions to form a substantially sealed joint therebetween, said base plate also having handles affixed thereto.

2,202,321
INFLATABLE TEST PLUG
Elmer F. Schuldt, Chicago, Ill.
Original application April 2, 1937, Serial No. 134,563, now Patent No. 2,192,155, dated February 27, 1940. Divided and this application December 20, 1937, Serial No. 180,698
3 Claims. (Cl. 138—93)



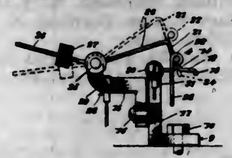
2. A test plug for gas mains and the like, comprising an inflatable body member having oppositely extending small diameter nipple portions at opposite ends thereof, a small diameter bushing disposed within each of said nipple portions, cylindrical clamps of small diameter for securing said nipple portions to said bushings in leaktight relation, and a flexible spring rod of fixed length joining the bushings whereby said test plug may be inserted through an opening in said main of a diameter not substantially larger than the diameter of said cylindrical clamps by bending said spring rod.

2,202,322
CIGARETTE PAPER HOLDER
R. D. Russell Scull, Festus, Mo.
Application May 20, 1938, Serial No. 209,124
1 Claim. (Cl. 206—57)



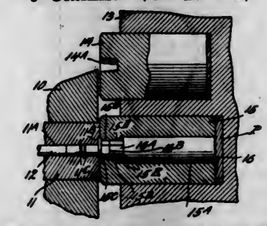
A cigarette paper holder comprising a single sheet of fibrous material folded on itself to provide a wrapper having inwardly extended flanges forming an opening therebetween effecting an outlet from the wrapper, and a narrow clip made from a single length of strip metal trained exteriorly of the wrapper intermediate of the ends thereof about the under side of the said wrapper and turned over the flanges to overlie the same for a distance considerably removed from the opening between said flanges.

2,202,323
WEFT TENSION AND LOOM STOPPING DEVICE
Woodruff T. Sullivan, Norwich, Conn.
Original application October 14, 1938, Serial No. 235,044. Divided and this application March 15, 1939, Serial No. 262,044
10 Claims. (Cl. 139—370)



1. In a weft tension and loom stopping device, the combination of a substantially L-shaped bracket, said bracket provided with stationary tension fingers, each finger provided near its center with a notch and with a downwardly extending outer end, an auxiliary bracket insulated from said L-shaped bracket, means detachably securing said brackets together, said auxiliary bracket provided with an upstanding yoke, a pin extending through the ends of said yoke, a sleeve on said pin and fixedly secured thereto, fingers fixedly secured to said sleeve, said last-mentioned fingers provided with eyes positioned normally contiguous with the notches on the first-mentioned fingers, one of said last-mentioned fingers provided with an extension constructed and arranged to engage one of the first-mentioned fingers, a collar on said pin provided with a threaded rod, and an adjustable weight nut on said threaded rod.

2,202,324
METHOD AND APPARATUS FOR HEADING SCREW BLANKS OR THE LIKE
Joseph J. Tomalis, Providence, R. I., assignor to American Screw Company, Providence, R. I., a corporation of Rhode Island
Application December 28, 1938, Serial No. 246,107
9 Claims. (Cl. 10—15)



9. In apparatus of the kind described, a stationary die, a head forming punch movable toward and from said die, said die having an opening therein to receive and hold the shank of a screw blank or the like while the head is formed thereon, the wall of said opening having a shallow circumferentially extending recess formed therein into which metal is adapted to flow to form a projection on the shank when the blank is subjected to the action of said punch, whereby the blank is firmly held in the die when the punch is withdrawn therefrom, and a

knock-out pin to force said blank out of the die and smooth down the projection formed on the blank by said recess.

2,202,325

INSULIN COMPOSITION AND PROCESS OF PREPARING THE SAME

Raymond A. Warburton, Brooklyn, N. Y.

No Drawing. Application July 15, 1938, Serial No. 219,461
8 Claims. (Cl. 167—75)

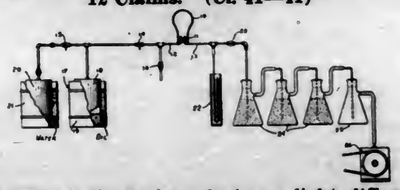
1. Hexamine-insulin.

2,202,326

INTERNALLY FROSTED GLASS ARTICLE AND METHOD OF MAKING IT

Herbert S. Willson, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application April 26, 1938, Serial No. 204,477
12 Claims. (Cl. 41—41)



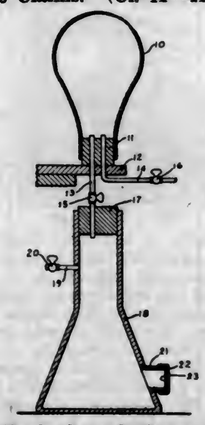
8. The method of producing a light diffusing coating on the interior of a hollow glass article, which includes evacuating the article to an internal pressure which will support a column of mercury not higher than about four inches, admitting into the evacuated article gaseous hydrogen fluoride which is substantially free from air and other diluents until the pressure within the bulb has increased by about six to ten inches of mercury, and thereafter removing the residual acid and gaseous products, subjecting the interior of the bulb to the action of ammonium chloride fumes and at the same time heating it at about 400° C.

2,202,327

FROSTED GLASS ARTICLE AND METHOD OF MAKING IT

John A. Yunck, South Orange, N. J., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application June 7, 1938, Serial No. 212,329
6 Claims. (Cl. 41—41)



3. The method of producing a light diffusing coating on the interior of a hollow glass article which comprises subjecting the inner surface thereof to the action of a gaseous mixture consisting of hydrogen fluoride and air and condensing the gaseous products on the surface.

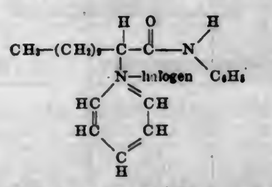
2,202,328

QUATERNARY AMMONIUM SALT

Otto Albrecht, Basel, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application April 20, 1935, Serial No. 17,542. In Switzerland April 23, 1934
1 Claim. (Cl. 260—295)

The quaternary ammonium salt of the general formula



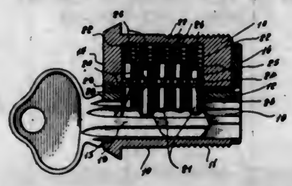
which product is a water-soluble powder whose aqueous solutions have capillary active properties, and which is capable of rendering the dyeings of direct dyeing dyestuffs fast to water by after-treatment.

2,202,329

ANTIPICK LOCK

Sholom Braune, Fitchburg, Mass.

Application July 13, 1939, Serial No. 284,334
8 Claims. (Cl. 70—419)



1. A lock including a cylinder, a plug rotatably mounted in said cylinder and having a key slot, the cylinder and plug having registering pin receiving holes, spring-pressed top driver mushroom-type pins mounted in the cylinder holes, tumbler pins mounted in the plug holes, and a pair of flanges extending longitudinally of the plug at the periphery thereof in the zone of the tumbler pin holes for interlocking engagement with the top driver pins said flanges being spaced laterally of the holes in the plug.

2,202,330

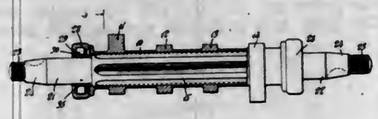
CAMSHAFT

Denis Tabor Brock and George Joseph Trapp, London, England, assignors to Automotive Products Company Limited, London, England

Application January 27, 1938, Serial No. 187,272
In Great Britain January 27, 1937
2 Claims. (Cl. 74—567)

1. A camshaft comprising an outer tubular member interiorly formed with a plurality of longitudinal grooves, a plurality of cams formed integrally upon said tubular member at spaced positions along its exterior, a core member, and a plurality of ribs on said core member, which ribs are constituted by a circumferential series

of deep longitudinal grooves in the core member, and which have their tip portions in driving engagement with the grooves in the tubular member so that the innermost part of each groove in the core member forms an air cell to lighten the cam shaft, the two ends of each longitudinal groove



in the core member being smoothly and progressively decreased in depth so as to increase gradually the cross-sectional area of the core member adjacent the ends of the tubular member, and thus provide increased torsional strength of the core member at these positions.

2,202,331

TREATMENT OF TEXTILES

Ernest Butterworth, Ballymena, Northern Ireland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application June 21, 1938, Serial No. 215,062. In Great Britain June 28, 1937
2 Claims. (Cl. 8—109)

1. In two-stage bleaching methods for bleaching linen and like relatively long bast fibers, wherein the first step is contacting the unbleached material with a substantially neutral hypochlorite solution having a pH value between 6 and 8 and containing between 1.5 and 2 grams per liter of available chlorine as well as a sufficient amount of a buffer compound to maintain the pH value within said range during the contact, contact being at temperatures not exceeding 20° C. and for a time sufficient to substantially attack and remove most of the color and non-cellulosic constituents of said material but insufficient to materially deteriorate the bast fibers and wherein the second step is contacting the treated material with an alkaline aqueous solution of hydrogen peroxide at a temperature between 55 and 85 to obtain a bleached bast fiber having a solubility number of less than 5 and a whiteness of at least half white, the improvement which consists in maintaining the alkalinity of the hydrogen peroxide solution by sodium carbonate alone in the absence of both NaOH and $NaHCO_3$.

2,202,332

BLEACHING OF TEXTILES

Ernest Butterworth, Ballymena, Northern Ireland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 26, 1938, Serial No. 221,423. In Great Britain August 4, 1937
5 Claims. (Cl. 8—108)

1. A method of bleaching bast fibre materials comprising treating said materials at a temperature not greater than 20° C., while excluding substantially all actinic rays, with a hypochlorite solution, determining the available chlorine content and pH value of said hypochlorite solution and adjusting the time of treatment between 30 minutes for treatment with a solution having an available chlorine content on the order of 5.0 grams per litre and a pH value within a substantially neutral range, and 3 hours for treatment with a solution having an available chlorine content on the order of 1.5 grams per litre and a pH value within a substantially neutral range, whereby bleached textile fibres of high quality are obtained.

2,202,333

METHOD OF BLEACHING LINEN AND LIKE BAST FIBER MATERIAL

Ernest Butterworth, Ballymena, Northern Ireland, and Bertram Pusey Ridge, Grappenhall, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application January 4, 1938, Serial No. 183,396. In Germany January 20, 1937
9 Claims. (Cl. 8—109)

1. In bleaching linen and like relatively long bast fibers to obtain a bleached material having a solubility number less than 5 and a whiteness of at least half white by a two-stage bleaching operation using hypochlorite primarily and hydrogen peroxide secondarily, the improvement which consists in first contacting the unbleached material with a substantially neutral hypochlorite solution having a pH value between 6 and 8 and containing between 1.5 and 5 grams per liter of available chlorine together with a sufficient amount of a buffer compound to maintain the pH value within the stated range during the period of contact, the contact being at a temperature not exceeding 20° C. during the operation and for a time sufficient to attack and remove most of the coloring and non-cellulosic constituents of said material but insufficient to materially deteriorate the bast fibers, and thereafter contacting the so treated material with an alkaline solution of hydrogen peroxide until a bleached bast fiber having a solubility number less than 5 and a whiteness of at least half white is obtained.

2,202,334

TREATMENT OF TEXTILES

Ernest Butterworth, Ballymena, Northern Ireland, and Bertram Pusey Ridge, Grappenhall, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

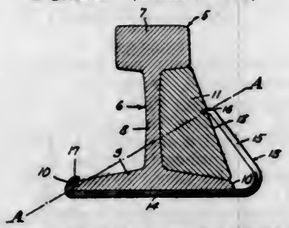
No Drawing. Application June 10, 1938, Serial No. 213,076. In Great Britain June 16, 1937
5 Claims. (Cl. 8—109)

1. As an improvement in bleaching linen and like relatively long bast fibers to a whiteness of one-half to full white, said bleached bast material having a solubility number less than 5.0, the improved process which comprises first contacting the unbleached material with alkaline aqueous solution of a sulphite containing between 0.1 per cent to 0.5 per cent of sulphite and maintaining said solution at a temperature between 60° and 100° C. during said contact, to facilitate the subsequent bleaching of said material, and then bleaching the so-treated material, in two stages, by next contacting it with a substantially neutral hypochlorite solution, having a pH value between 6 and 8 and containing between 1.5 and 5 grams per liter of available chlorine and sufficient buffer compound to maintain the pH value within said range during said contact, at a temperature not exceeding 20° C. and for a time sufficient to substantially attack and remove most of the coloring and non-cellulosic constituents of said material but insufficient to materially deteriorate the bast fibers and then by contacting it with an alkaline solution of hydrogen peroxide until a bleached bast fiber material having a solubility number less than 5.0 and a whiteness better than half white is obtained.

2,202,335
TREATMENT OF TEXTILES
Ernest Butterworth, Ballymena, Northern Ireland, and Joseph Arthur Musgrave Woodcock Mitchell, Runcorn, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 26, 1938, Serial No. 221,422. In Great Britain July 30, 1937
5 Claims. (Cl. 8—109)

1. In two-stage bleaching methods for bleaching linen and like relatively long bast fibers, wherein the first step is contacting the unbleached material with a substantially neutral hypochlorite solution having a pH value between 6 and 8 and containing between 1.5 and 2 grams per liter of available chlorine as well as a sufficient amount of a buffer compound to maintain the pH value within said range during the contact, contact being at temperatures not exceeding 20° C. and for a time sufficient to substantially attack and remove most of the color and non-cellulosic constituents of said material but insufficient to materially deteriorate the bast fibers, and wherein the second step is contacting the so-treated material with an alkaline solution of hydrogen peroxide to obtain a bleached bast fiber having a solubility number of less than 5 and a whiteness of at least half white, the improvement in the first step thereof which consists in maintaining the neutral hypochlorite solution within said pH range during the hypochlorite bleaching by means of a water-insoluble carbonate capable of reacting with the dilute acids formed during such bleaching.

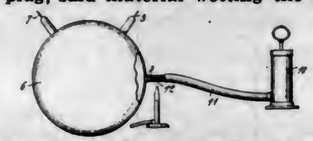
2,202,336
ANCHORING DEVICE
John Chmura, Marmarth, N. Dak.
Application May 29, 1939, Serial No. 276,424
1 Claim. (Cl. 238—379)



A device of the character described, comprising, an elongated resilient member having a base section adapted to underlie the flange of a rail and terminating at one end in an upwardly extending side section fashioned on the upper end thereof with a cuneiform element adapted to penetrate a foot guard-block disposed adjacent the web and between the head and flange of said rail, said base section terminating at the opposite end in a hook element adapted to embrace the adjacent edge of said flange and appreciably overlie a portion of the upper face of said flange, said side section having a lower end of an arcuate configuration adapted to space said side section away from said block and to normally urge said element into said block when said side section is tensioned by said block whereby to anchor said block to said rail.

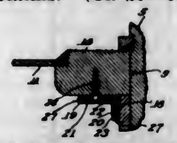
2,202,337
SEAL FOR EVACUATED VESSELS AND METHOD OF FORMING THE SAME
Byron E. Cohn, Denver, Colo.
Application February 27, 1939, Serial No. 258,747
2 Claims. (Cl. 49—81)

1. The method of forming an air-tight seal in a tube of ceramic material which comprises, inserting into the tube a composite plug of refractory, non-metallic material having a diameter slightly less than the internal diameter of the tube, the surface of the plug comprising a material of different composition than that of the plug and which surface is infusible below 150° C. and fusible at a temperature below the fusing point of the tube and the center portion of the plug, said material wetting the porcelain



tube when fused, the composite plug having a coefficient of linear expansion whose average value in the cooling range below the "annealing point" is greater than that of the tube, but which does not exceed that of the tube by more than forty per cent., heating the tube by the external application of heat until the surface of the plug is brought into contact with the material of the tube and the fusible material melts and effects a weld with the material of the plug and tube, and then permitting the parts to cool.

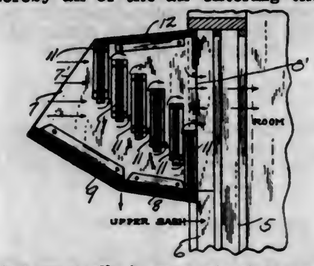
2,202,338
SEALING DEVICE
Carlo Cerizzo, Newburgh, N. Y.
Application March 15, 1938, Serial No. 196,046
3 Claims. (Cl. 20—69)



1. A device of the character described, comprising, in combination, a window frame fashioned with opposed sash receiving channels, a sash having sash rails slidable in said channels, strips of pliable material mounted on said rails and having offset sections engaging said frame, members covering the entire outer faces of said strips, and screws securing said members and said strips to said rails in a manner to permit relative movement between said sections and said frame, said members each fashioned with oppositely disposed end sections spaced from said frame and said sash and partially embracing exposed end faces of said strips for concealing the same from view and maintaining the strips in gasketed condition relative to said frame and rail whereby to effect a seal therebetween and to preclude creeping of said strips without said members upon movement of said sash within said frame.

2,202,339
VENTILATING DEVICE
Walter H. Dresser and Wilbur E. Van Doren, San Francisco, Calif.; said Dresser assignor to said Van Doren
Application March 3, 1939, Serial No. 259,666
3 Claims. (Cl. 98—98)

1. In a device of the character described, comprising a substantially rectangular casing having open sides, and a series of vertically disposed stepped spaced plates of equal length arranged between the ends of the casing and overlapping each other a greater portion of their width, the outer plate engaging the top of the casing and the inner plate engaging the bottom of the casing, whereby all of the air entering the casing



is diverted upwardly in separate streams between the plates.

2,202,340
SCREW CUTTING NIPPER
Jacob Faist, Closter, N. J.
Application October 18, 1938, Serial No. 235,679
1 Claim. (Cl. 30—186)



A nipper comprising, a pair of crossed handles pivotally connected together at their crossing, the outer end portions of the handles being turned inwardly toward each other beyond the pivot and sharpened to provide strong cutting jaws, the front ends of the jaws projecting outwardly beyond the side faces of said outer end portions of the handles and having portions of the outer end flat to reduce thickness and to provide relatively thin screw cutting jaws for insertion in almost inaccessible places and the remaining portions projecting slightly forward beyond said flat portions, said strong cutting jaws and said screw cutting jaws being cut away obliquely on their inner sides to provide clearance for screw heads and projecting parts on work from which screws must be severed.

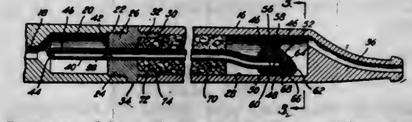
2,202,341
GARMENT
Daniel B. Fisher, Los Angeles, Calif.
Application April 11, 1938, Serial No. 201,394
3 Claims. (Cl. 2—90)

1. A garment comprising a jacket body including neck, back and openable opposite front portions, said front portions each having an extended tapering lower corner part to be brought forwardly into overlapping relation to the complemental correspondingly tapered corner part of the opposite front portion of the jacket body and to be folded back on its own front portion to form a substantially triangular lapel, a waistband secured to and carried by said back and front portions of the jacket body at the bottom thereof and extending entirely between the frontal corner ends of the garment, separable fastener means on said waistband equidistant inwardly from the opposite ends thereof to secure the intermediate portion of the waistband encircled about the waist of the wearer with the outer portions of the waistband beyond said fastener means and carried by said extended corner parts of the front portions free of attachment to each other, and means for securing said free portions of the waistband at opposite sides of the garment either in forwardly overlapped relation



with the adjacent front portions of the jacket body correspondingly overlapped and forming a relatively short V-shaped opening adjacent the neck portion of the garment or in folded back relation on the waistband to bring said parts of the front portions into folded position therewith to provide draped lapels on said front portions and a longer V-shaped opening between said front portions extending from the neck portion of the jacket body to the waistband.

2,202,342
SMOKER'S ARTICLE
Elmer R. Frantz, Chicago, Ill.
Application November 8, 1937, Serial No. 173,482
1 Claim. (Cl. 131—211)

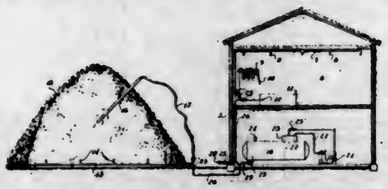


In a smoking pipe, a stem comprising a first part having a smoke passage and an enlarged bore communicating therewith, a mouthpiece part having a smoke passage and an enlarged bore communicating therewith, said enlarged bores having internal threads, a coupling element having threaded necks coacting with the threads of said enlarged bores for detachably connecting said first part and said mouthpiece part in axial alignment, said coupling element having a flange normally abutting the adjacent ends of said first part and said mouthpiece part, a smoke tube extending axially through said coupling element with one end of the smoke tube projecting into the enlarged bore of the first part and the other end projecting into the enlarged bore of said mouthpiece part, the two ends of said smoke tube being respectively spaced from the walls of said enlarged bores, said coupling element having an axial bore, and a body of absorbent material having one end removably pressed into said axial bore and the remainder of the body projecting into the enlarged bore of said mouthpiece part and engaging the wall of the bore.

2,202,343
FIRE EXTINGUISHING APPARATUS
Eric Geertz, Aurora, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Original application May 20, 1938, Serial No. 209,151. Divided and this application November 17, 1938, Serial No. 241,035
13 Claims. (Cl. 169—11)

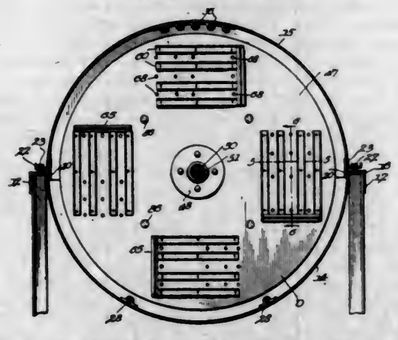
8. A fire extinguishing system comprising a

storage container including a vapor receiving dome and having a working pressure substantially below the vapor pressure of carbon dioxide at atmospheric temperature adapted to be filled substantially to its volumetric capacity with liquid carbon dioxide at a subatmospheric temperature, the corresponding vapor pressure of which will not exceed the working pressure of the container, insulating means for the entire container, a mechanical refrigerating apparatus including a cooling coil arranged in the vapor receiving dome of the storage container to prevent a rise in vapor pressure above the working pressure of the container by densing vapors coming in contact with



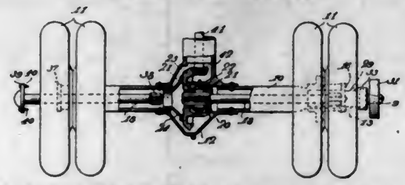
said coil and returning the condensation by gravity directly to the liquid bath in the container, a relief valve in communication with the vapor space of the container and set to bleed vapor from the container when the vapor pressure in the container rises above the pressure which corresponds with the temperature at which the refrigerating apparatus is intended to maintain the stored carbon dioxide but before the vapor pressure reaches the working pressure of the container, and means for conducting the liquid carbon dioxide at substantially its stored subatmospheric temperature to a point of discharge.

2,202,344
WASHING MACHINE
John H. Hamilton and David B. Nicholson, Raleigh, N. C.
Application January 24, 1936, Serial No. 60,716
8 Claims. (Cl. 141—7)



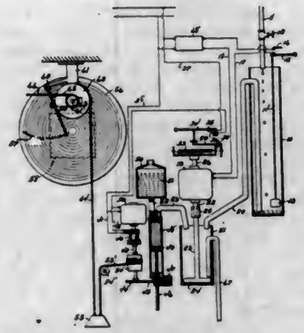
1. In an apparatus of the class described, a drum comprising a pair of opposed end plates, a plurality of substantially rectangular trough sides, cooperating means on said plates and the ends of said sides for removably securing said sides between said plates in spaced relation to one another, to form a trough compartment with an open side for receiving articles to be cleansed, and a keeper bar, said plates having aligned openings between said trough sides for removably securing the ends of said bar between said plates across an open side of said trough compartment, to retain the article therein.

2,202,345
POWER TAKE-OFF ATTACHMENT
Rudolph O. Johnson, Bedford, Pa.
Application November 2, 1939, Serial No. 302,606
3 Claims. (Cl. 180—53)



1. A power take-off attachment for motor vehicles comprising the combination with the rear wheel, axle housing and differential of a motor vehicle, of a sectional axle movable endwise in the housing, a sleeve on one outer end of the axle fixed to the wheel, a spline on the inner surface of the sleeve, an outer spline on the axle adapted to be engaged with the spline of the sleeve for rotating the wheel when the axle is moved outwardly and adapted to be disengaged from the spline of the sleeve to uncouple the wheel from the axle when the axle is moved inwardly, a ball bearing carried by the sleeve supporting the axle, a power take-off pulley on the axle adjacent the bearing, and an inner spline on the axle engaged at all times with the differential for selectively driving the wheel or the pulley.

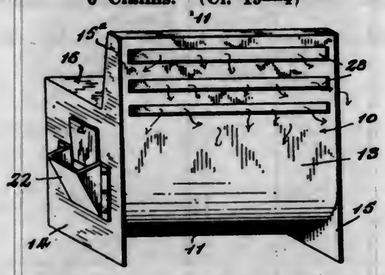
2,202,346
APPARATUS FOR TESTING HARDNESS OF WATER
Burdette M. King, Lancaster, Ohio
Application April 17, 1939, Serial No. 268,408
2 Claims. (Cl. 23—253)



1. In apparatus for testing the hardness of water, a container, means for supplying a measured quantity of water to be tested to the container, a receptacle for soap solution, a pump connected to the receptacle adapted to gradually add soap solution to the water in the container, an electric motor, a speed responsive centrifugal switch connected to the motor and adapted to be moved to closed circuit position at a predetermined speed of the motor, an electric motor connected in circuit with said switch and connected to the pump for actuating the pump when the switch is closed, a recording device calibrated to denote hardness in grains per gallon connected to the second named motor for actuation thereby simultaneously with the actuations of the pump, and an impeller in the container connected to the first named motor and responsive to increasing concentration of soap emulsion in the container

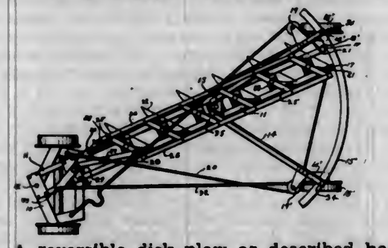
to produce a drag upon and slow up the speed of the first named motor to permit the centrifugal switch to move to open circuit position and stop the pump when a predetermined lather consistency occurs in the soap emulsion in the container.

2,202,347
FEATHER QUILLING MACHINE
Theodore M. Knox, Chicago, Ill.
Application August 3, 1939, Serial No. 288,250
6 Claims. (Cl. 19—4)



1. In a quilling machine, a housing having a rounded bottom wall; side and end walls, a top for the housing, an upwardly directed hollow extension having discharge ports adjacent the top, a rotatable agitator within the housing, and a blower carried by the top, said blower having a discharge port opening upon the housing at right angles to the top.

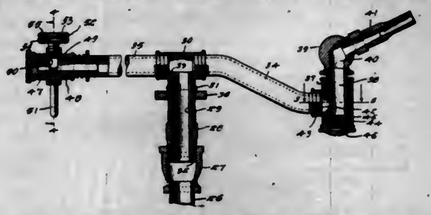
2,202,348
REVERSIBLE DISK PLOW
Bennett O. Leach, Westmoreland, Calif.
Application April 26, 1938, Serial No. 204,393
3 Claims. (Cl. 97—32)



1. A reversible disk plow as described having front and rear trucks, a plow frame pivotally connected to said trucks, a plurality of plow disks pivotally connected to said frame, and reversing means for said disks, said means including lever arms for said plow disk pivots, a link inter-connecting said arms, a reversing lever pivoted to said frame and having a link connection to one of said trucks and a link connection between said lever and said lever arms.

2,202,349
LAWN SPRINKLER
Joseph D. Lewis, Santa Barbara, Calif.
Application February 2, 1938, Serial No. 188,368
9 Claims. (Cl. 299—69)

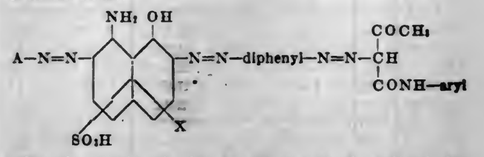
5. A lawn sprinkler comprising a base having a water inlet, a head swiveled thereon and including a pair of diametrically divergent pipes communicating with said water inlet, a nozzle journally mounted on the end of one pipe, valve means communicating with said one pipe and nozzle, said nozzle being rotatable in a horizontal plane, means controlled by said rotatable nozzle for controlling the operation of said valve means and consequently the reactionary force or effect of the water issuing therefrom, and another nozzle mounted on the end



of the other pipe and rotatably adjustable in a vertical plane or direction for adding to or detracting from the reactionary effect of the water issuing from said first named nozzle, said last named nozzle having a valve means communicating with its adjacent pipe to regulate the flow of water from said nozzle.

2,202,350
GREEN TRISAZO DYESTUFFS AND A PROCESS FOR THEIR MANUFACTURE
Heinrich Lier, Basel, Switzerland, assignor to the firm Chemical Works, formerly Sandoz, Basel, Switzerland
No Drawing. Application February 24, 1939, Serial No. 258,330. In Switzerland March 5, 1938
6 Claims. (Cl. 260—171)

1. The new green trisazo dyestuffs of the general formula

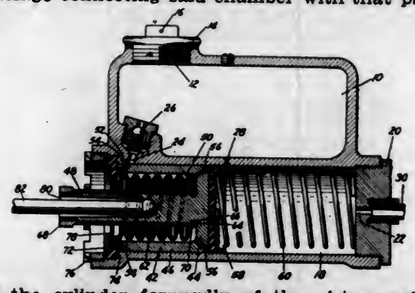


wherein A stands for a sulphonated radical deriving from a diazo compound deriving from an amine of the benzene and naphthalene series and X stands for one member of the group consisting of hydrogen and a sulphonic group, which dyestuffs are in the dry state dark powders, easily soluble in water with a yellowish green to greenish blue coloration and which dye vegetable and mineral tanned leather in fast green shades.

2,202,351
FLUID PRESSURE PRODUCING DEVICE
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application June 3, 1937, Serial No. 146,191
3 Claims. (Cl. 60—54.6)

1. A fluid pressure producing device comprising a reservoir, a single-diameter cylinder associated therewith and supplied therefrom, a piston reciprocable in said cylinder, said piston having a forward face and an annular recess in rear of said face, a flexible wall in said recess and forming a sealed connection between said cylinder and a part of said piston adjacent the forward end of said recess, said flexible wall expanding and contracting with movement of said piston and cooperating with said piston and cylinder to provide a chamber of variable volume in rear of the forward face of said piston, a

passage connecting said chamber with said reservoir, a valve in said passage preventing flow of fluid from said chamber to said reservoir, a passage connecting said chamber with that part



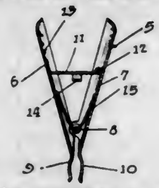
of the cylinder forwardly of the piston, valve means preventing flow of fluid from said cylinder through said last named passage, and means for reciprocating said piston.

2,202,352

CLOTHESPIN

Frank W. McGugin, Richmond, Calif.

Application March 1, 1939, Serial No. 259,254
2 Claims. (Cl. 24—137)



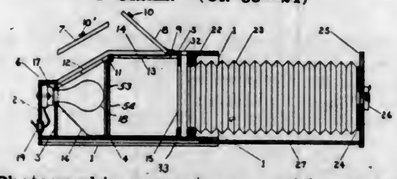
1. A clothespin comprising a pair of elongated sheet metal members pivoted together adjacent one end forming gripping elements below the pivot, said members of a semi-circular form in cross section above the gripping elements, a spring surrounding the pivot and having its ends in said semi-circular portions of the member, one of said members having notches struck inwardly within the semi-circular portion forming ratchet teeth, and a pawl pivoted within the semi-circular portion of the other member and adapted to co-operate with the notches in the first mentioned member.

2,202,353

PHOTOGRAPHIC APPARATUS

Joseph G. Morgan, Phoenixville, Pa.

Application May 18, 1939, Serial No. 274,461
1 Claim. (Cl. 88—24)



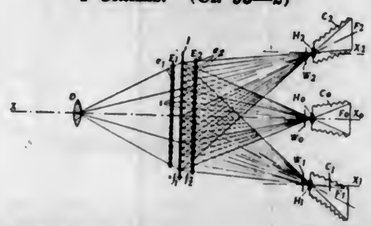
Photographic apparatus comprising a casing open at the front end, film holder guides disposed in the casing rearwardly of the open front thereof, a bellows support slidably secured to the casing, a bellows carried by the support and collapsible into the open front end of the casing, a lens and shutter mechanism carried by said support, a film holder supported by the guides and having a ground glass, a ruby light in the casing, a switch on the casing, a white light in the casing in circuit with the ruby light and controlled by said switch, a reflector in the casing extending along the bottom wall and rear face of the film holder guides, said reflector having a rear portion extending at an angle of about 30° to the axis of the casing and the bellows, and a removable lid closing a sight opening in the rear upper end of the casing to permit the ground glass of the film holder being viewed for focusing.

2,202,354

APPARATUS FOR PHOTOGRAPHY IN RELIEF WITH OR WITHOUT COLOR

Anne Henri Jacques de Lassus Saint Genies, Versailles, France

Application November 4, 1938, Serial No. 238,868
In France April 14, 1934
4 Claims. (Cl. 95—2)



1. Apparatus for taking pictures in relief on lenticular films comprising a primary objective of large diameter and of great focal length, a plurality of secondary objectives of small diameter and of short focal length each associated with a lenticular film, said secondary objectives being arranged with their optical centres in a common plane orthogonal to the principal optical axis of the apparatus and with their principal optical axes parallel to one another, and a complex translucent lenticular screen arranged between said primary objective and said secondary objectives, said lenticular screen comprising a translucent image collecting member near the focal plane of said primary objective, a first lenticular network between said primary objective and said translucent image collecting member, said first lenticular network being arranged so that the image collecting member lies in a plane conjugate with that of the primary objective with respect to said first lenticular network whereby said first lenticular network forms on said translucent image collecting member a large number of small images of the exit pupil of said primary objective, and a second lenticular network between said translucent image collecting member and said plurality of secondary objectives, said second lenticular network and said secondary objectives being arranged so that the said translucent image collecting member lies in a plane conjugate with the plane of said secondary objectives with respect to said second lenticular network, the centres of the optical elements of said second lenticular network being aligned with centres of the small images formed on said translucent image collecting member and with the centre of each secondary objective, whereby said second lenticular network forms images of said small images in the entrance pupil of each of said secondary objectives.

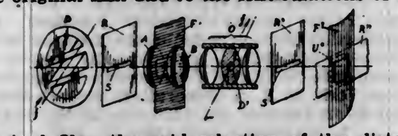
2,202,355

METHOD AND APPARATUS FOR COPYING LENTICULAR FILMS

Anne Henri Jacques de Lassus Saint Genies, Versailles, France

Application November 25, 1938, Serial No. 242,383
In France November 5, 1936
6 Claims. (Cl. 88—24)

1. In a method of optically reproducing an original film having cylindrical lenticulations on a copy film having like lenticulations, in which the said films move continuously in their corresponding gates in front of fixed slots which illuminate on the said films homologous parts by means of a principal optical copying system and auxiliary systems in the neighbourhood of the said films; selecting the distance between the original film and the fixed slot which illuminates it and giving the original film a cylindrical curvature the axis of which is parallel to the slot illuminating the original film and to the lenticulations of said



original film, the said selection of the distance between the slot and the original film being determined by the geometrical tracing of the marginal rays impinging on the edges of the zone illuminated at any moment on the said original film with a given curvature of the said film in such manner that the angular apertures of the elementary beams of the copy film are made different from the angular apertures of the elementary beams of the original film independently of variation of the relative sizes of the macroscopic images of the two films.

2,202,356

MALTOSE FERMENTATION

Alfred S. Schultz and Lawrence Atkin, Bronx, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application June 9, 1938, Serial No. 212,700
13 Claims. (Cl. 195—37)

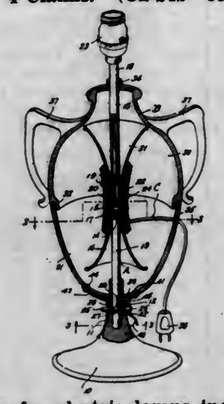
1. A process for increasing the fermentation rate of maltose, which comprises effecting fermentation of maltose by yeast in an aqueous solution containing dextrose in an amount of from 0.33% to about 7% based on the quantity of maltose initially present.

2,202,357

LAMP BASE

Angelo Soriano, Brooklyn, N. Y.

Application May 3, 1938, Serial No. 205,664
4 Claims. (Cl. 242—85)



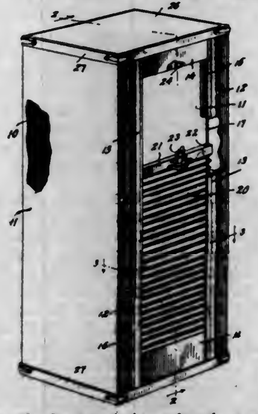
1. A base for electric lamps including a pair of hollow nested members mounted for relative rotation and to slide axially relative to each other, a supporting foot at the lower end of one of said members, an extension cord reel intermediate the ends of said member, an extension cord extending downwardly from the upper end of said member and radially outward through the reel, the other member housing the reel and having a radial aperture through which the extension cord extends for winding and unwinding the cord on the reel when the members are relatively rotated, and interengageable means on said members for releasably locking the same against relative rotation, said means being engageable upon relative axial movement of said members in one direction and manually disengageable to permit of relative axial movement of the members in the opposite direction and to permit of relative rotation thereof.

2,202,358

CONTAINER

Sol Stone, Brooklyn, N. Y.

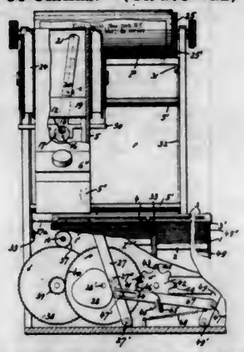
Application September 26, 1938, Serial No. 231,706
1 Claim. (Cl. 312—190)



In a wardrobe container having a walled hollow body structure with an opening through one wall for introduction and removal of articles of clothing, a unitary rectangular closure frame surrounding said opening provided with vertical side stiles and transversely extending top and bottom stiles, said side stiles being provided with longitudinally extending guide channels in the confronting faces thereof, guide rods disposed substantially centrally within the guide channels and consequently located laterally outwardly from the access opening into the container, a transversely pleated longitudinally extensible closure panel connected at its lower end within the closure frame and behind the transversely extending bottom stile, a rigid cross bar secured to the upper end of the pleated closure panel and movable therewith, the pleated edges of said panel and the ends of said cross bar being received at each side within the longitudinally extending guide channels of the vertical side stiles and being provided with registering openings adjacent to their opposite ends through which the guide rods are received, said cross bar and the pleated closure panel being slidable on said guide rods and within the guide channels whereby the cross bar normally exerts weight to collapse to pleated extensible closure panel in the lower part of the container opening and behind the transverse bottom stile and the guide rods being entirely within the guide channel whereby when the closure panel is opened the opening through the rectangular frame into the container is entirely free and unobstructed and the pleated closure is protected

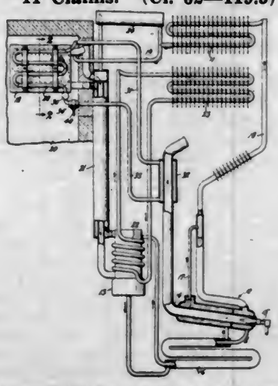
by the bottom stile and the cross bar while the guide rods are protected by the vertical side stiles of the frame, and releasable means engageable with said cross bar to hold the pleated panel in raised and closed position.

2,202,359
TRANSFERRING OR REPRODUCING MACHINE
Gustav Tauschek, New York, N. Y.
Application January 17, 1936, Serial No. 59,498
In Germany January 19, 1935
36 Claims. (Cl. 178—11)



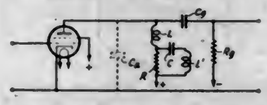
1. In a machine of the kind described, two elements, viz.: a frame carrying a holder for an original, and a carriage movable relatively to said frame, a copying device proper composed of a copy-producing section and a section for holding material on which a copy of said original is to be produced, one of said sections being carried by said frame and the other by said carriage, so that such last-mentioned section will be shifted relatively to the other by the movement of the carriage, a scanning device carried by the same element as the said copy-producing section in a position to co-operate with an original on said holder, and means controlled by said scanning device, for operating said copy-producing section.

2,202,360
REFRIGERATION
Hugo M. Ulistrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 7, 1938, Serial No. 200,568
11 Claims. (Cl. 62—119.5)



1. The combination with a refrigeration system having a cooling element subject to formation of frost thereon, of a vaporization-condensation circuit forming a heater for melting the frost, a device for stopping and starting circulation of fluid in said circuit, means for operating said device to start circulation and stop circulation responsive to change in quantity of fluid in liquid phase in a part of said circuit.

2,202,361
AMPLIFIER CIRCUIT
Henri Petrus Johan Verbeek, Voorburg, and Bernardus Dominicus Hubertus Tellegen, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 28, 1936, Serial No. 107,920
In Germany November 11, 1935
2 Claims. (Cl. 179—171)

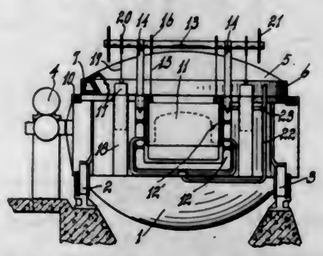


1. A circuit arrangement for amplifying electric oscillations comprising a plurality of vacuum tubes, at least one of said tubes having an anode circuit including an inductance and an ohmic resistance connected in series, and a second inductance and a condenser connected in series across said ohmic resistance, the circuit elements in said anode circuit being so chosen that in the equation representing the ratio of the amplification at an arbitrary frequency V_ω to the amplification at a second and lower frequency V_0

$$\frac{V_\omega}{V_0}=\sqrt{\frac{1+a_1\omega^2+b_1\omega^4+c_1\omega^6}{1+a_2\omega^2+b_2\omega^4+c_2\omega^6+d_2\omega^8}}$$

wherein the coefficients a_1, b_1, c_1 are functions of said circuit elements at the frequency V_ω and the coefficients a_2, b_2, c_2, d_2 are functions of the said circuit elements at the frequency V_0, the coefficients of the terms of equal order in the numerator and denominator being substantially equal to each other and the coefficient d_2 being as small as possible whereby the response of said circuit is substantially flat over the band between said two frequencies.

2,202,362
ELECTRIC MELTING FURNACE
Charles F. Weisgerber, Los Angeles, Calif., assignor to Alloy Steel and Metals Company, Los Angeles, Calif., a corporation of California
Application January 4, 1938, Serial No. 183,267
3 Claims. (Cl. 13—9)



1. An electric melting furnace comprising a body, a roof enclosing the top of the body, a ring mounted on the body, said roof being mounted on the ring, said ring having a water

course therein, a water manifold which acts as a stiffening ring mounted on the body and encircling the same, electrode coolers on the roof, and water conduit means extending from the manifold to the coolers, a door, a frame carried by the body in which the door is mounted, water conduits in the frame, and water pipes extending from the stiffening ring to the frame.

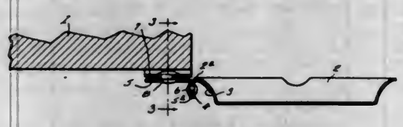
2,202,363
PLASTICIZED SYNTHETIC RUBBER COMPOSITIONS
Peter J. Wiezevich, now by judicial change of name Peter J. Gaylor, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 18, 1936, Serial No. 116,482
7 Claims. (Cl. 260—4)

1. A flexible, tough, and moldable composition of high stability comprising a synthetic diolefin hydrocarbon polymer rubber and a linear type plastic aliphatic iso-mono-olefin hydrocarbon polymer having an average molecular weight above 800.

2,202,364
LUBRICATING OIL
Peter J. Wiezevich, now by judicial change of name to Peter J. Gaylor, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 3, 1937, Serial No. 134,838
4 Claims. (Cl. 87—9)

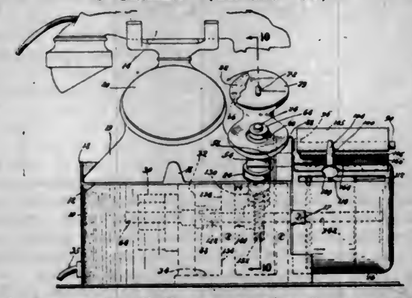
1. An improved motor oil comprising a substantially wax-free viscous mineral oil and a small percentage of a soluble non-gelling aluminum soap of acids derived from the product of mild oxidation of waxy hydrocarbons, said acids having not over 24 carbon atoms, and possessing the property of increasing the oxidation rate of the mineral oil.

2,202,365
ASH TRAY
Antoinette W. Zeman, Cleveland, Ohio
Application October 16, 1937, Serial No. 169,431
2 Claims. (Cl. 248—311)



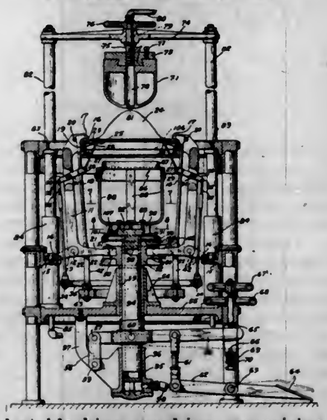
1. The combination, with a shallow ash tray having a bottom and an upwardly and outwardly flaring side wall, of a supporting member secured to and beneath the side wall and beneath the top thereof and having a substantially vertical lip projecting downwardly therefrom with its lower end located above the bottom of said tray, an angle bracket comprising a base and a lip projecting at substantially right angles and downwardly from the said base, means pivotally connecting the said lips, the lower end of the lip of said angle bracket being also located above the bottom of the said tray, a mounting element having a central portion depressed below the plane of the ends thereof, the ends of the mounting element constituting means for attaching the said element beneath a support, and means pivotally connecting the base to the central portion of said mounting element.

2,202,366
AUTOMATIC DIALING TELEPHONE ATTACHMENT
Harry Aaron, New York, N. Y., and John Hammerstrom, Bridgeport, Conn.; said Hammerstrom assignor to said Aaron
Application October 10, 1936, Serial No. 104,946
8 Claims. (Cl. 179—90)



1. Automatic dialing apparatus for association with a telephone instrument having a conventional rotary dialing disc comprising means for supporting the telephone instrument in fixed position upon the apparatus, a rotating friction disc normally disengaged from the dialing disc and adapted to progressively engage the edge of the dial disc to turn the same, pivoted supporting means for the said dial engaging disc, cam means adapted to actuate said pivoted support to swing said dial disc engaging disc in and out of engagement with the said dial disc, and means to continuously rotate the said dial disc engaging disc during the dialing operation.

2,202,367
WET BLOCKING MACHINE FOR HATS
John Auer, East Norwalk, Conn.
Application May 1, 1939, Serial No. 271,053
9 Claims. (Cl. 223—15)



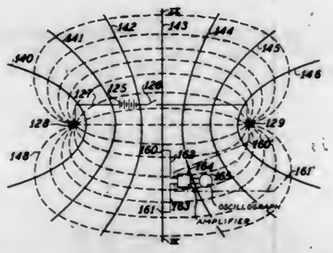
1. A hat blocking machine comprising a plurality of brim clamps arranged about the hat body and movable toward and from the hat, a brim supporting finger mounted on each clamp and projecting inwardly therefrom, a block movable down into the crown of the hat gripped by said clamps, a banding ring movable upwardly over the crown on the block, said fingers being movable downwardly and outwardly from the brim supporting position, and means for retracting said fingers out of the way of the ring.

2,202,368
LOOP ANTENNA
Walter Berndt, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 11, 1937, Serial No. 173,992
In Germany October 9, 1936
5 Claims. (Cl. 250—33)



5. Loop antenna comprising a convolution, said convolution being closed upon itself, to form a closed circuit, means for coupling said loop to a receiver comprising a coil annularly surrounding the loop convolution and means for shielding said loop convolution including a casing surrounding said convolution and connected to the convolution at the center of the portion surrounded by said coupling means.

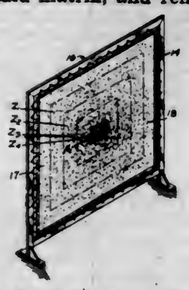
2,202,369
ELECTRIC EARTH TRANSIENTS IN GEOPHYSICAL PROSPECTING
Ludwig W. Blau and Louis Statham, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Original application November 13, 1936, Serial No. 110,586. Divided and this application December 30, 1938, Serial No. 248,366
7 Claims. (Cl. 175—182)



2. The method of investigating the properties of matter which comprises passing a direct electric current between spaced electrodes in the matter, whereby equipotential lines are set up along the path of the current in the matter, receiving a transient of said current as modified by its passage through the matter at spaced potential electrodes located on one of said equipotential lines, and exhibiting the difference in potential between said potential electrodes due to said transient.

2,202,370
MANUFACTURE OF TRANSLUCENT SCREENS
Bernard M. Bodde, Hollywood, Calif., assignor to Flat Light Screen Co. Inc., Hollywood, Calif., a corporation of California
Application November 22, 1935, Serial No. 51,129
6 Claims. (Cl. 18—47.5)

1. Method of making a translucent picture projection screen which comprises spraying multiple coats of cellulose ester onto a matrix to form a homogeneous transparent sheet, stripping said sheet from said matrix, and rendering one surface of said sheet translucent subsequently to forming said homogeneous transparent sheet.

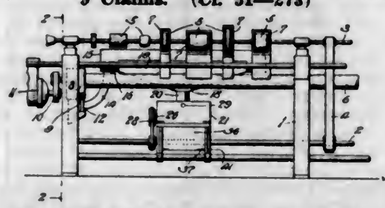


2,202,371
MOLDED KNOB ASSEMBLY
William C. Bruckman, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1938, Serial No. 243,277
9 Claims. (Cl. 74—553)



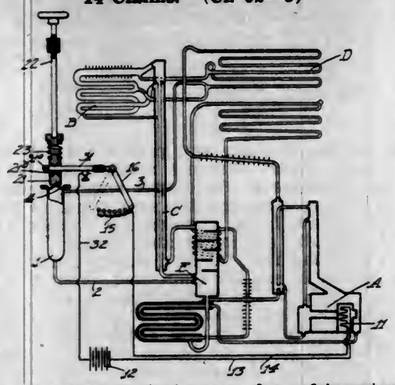
1. A knob and shaft assembly comprising a shaft, a knob mounted thereon, a key member separate from said knob for preventing relative rotation between said knob and said shaft, said knob having a recess in which said key member is disposed, said recess and said key member being formed to prevent relative rotation therebetween, said knob and said key member having aligned shaft openings in which said shaft extends, the edge of the shaft opening in said key member and the portion of the shaft extending through said last-mentioned opening being formed to permit relative movement between said shaft and said key member longitudinally of the shaft and to prevent relative rotation therebetween, means independent of said shaft for retaining said key member in said recess in said knob, and means acting directly between said knob and said shaft for restraining relative movement therebetween longitudinally of said shaft.

2,202,372
DUST COLLECTOR
Joseph Butera, San Jose, Calif., assignor of one-half to Victor J. Lo Bue and Samuel Di Maria, both of San Jose, Calif., jointly
Application June 19, 1939, Serial No. 279,926
9 Claims. (Cl. 51—273)



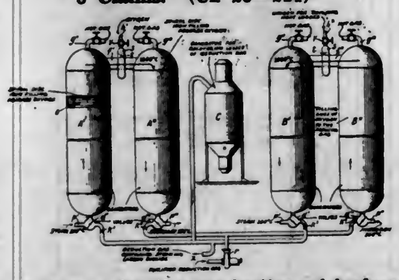
1. In a dust collecting system, the combination of a housing formed to define a pair of chambers, one superimposed upon the other, a passage connecting the chambers at one end thereof, a dust passage leading into the upper portion of the first chamber, an inclined plate leading from the upper passage to the first mentioned passage, rotatable means disposed over the first passage in parallel relation therewith, and brushing means mounted on the rotatable means disposed to push material from the plate through the said first passage.

2,202,373
ELECTRIC HEAT CONTROL MEANS FOR REFRIGERATORS
Westley G. Dahl, Montrose, Calif., assignor to Thomas H. Harrison, Burbank, Calif.
Application November 6, 1936, Serial No. 109,462
14 Claims. (Cl. 62—5)



1. In a heat control means for refrigerators, a generator, means for heating the same, cooling means connected with the generator, a gas pressure reservoir connected with the cooling means, a diaphragm forming part of the reservoir, means for controlling the heating means, and a manual adjusting means operatively connecting the diaphragm with the controlling means for readily and quickly varying the responsiveness of the heat control means.

2,202,374
PROCESS OF PRODUCING HYDROGEN
Mathias Frankl, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y., a corporation of Delaware
Application September 25, 1936, Serial No. 102,480
In Germany October 3, 1935
8 Claims. (Cl. 23—214)



1. A process for the production of hydrogen, which comprises contacting steam under reactive conditions with a first body of iron with formation of iron oxide, said contact resulting in only a partial reaction between the steam and iron and yielding a gas still containing oxidizing properties due to an amount of unreacted steam, passing immediately in sequence thereof the produced gas having a steam contact and oxidizing properties through a second body of iron whereby oxidation of said iron with further production of hydrogen ensues and the gas cooled and heat stored in said iron, then discontinuing passage of the steam and conducting a reducing gas through the two bodies of oxidized iron until substantial reduction of iron oxide is effected, substantially the upper half of said first body of iron being heated to a temperature of about 1,000° C. with a gradual decrease in temperature from the middle to the lower portion to a temperature of about 100° C., and substantially the upper quarter portion of the second body of iron being at a temperature of 1,000° C. with a gradual reduction therefrom to the middle of such body to a temperature of about 100° C., and such temperature being substantially maintained thence to the lowermost part of said body.

2,202,375
METHOD OF SUPPORTING WRAPPED MEAT CUTS
Gordon E. Gott, Cambridge, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
Application December 30, 1938, Serial No. 248,589
7 Claims. (Cl. 99—174)



5. A flexible impervious bag, adapted to enclose a cut of meat, having a closed end and a tubular projection adapted and arranged to be inserted into the meat and to form an air-tight socket therein into which a suspending hook may be inserted.

6. A cut of meat enclosed in a flexible air-tight bag having a reentrant portion of the bag inserted in the meat and forming an air-tight socket adapted and arranged to receive a suspending hook for supporting the cut.

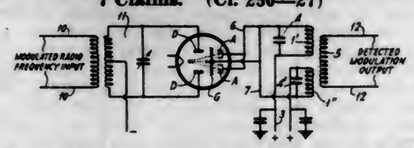
7. The process of enclosing heavy cuts of meat in air-tight bags and of adapting the enclosed cut to be handled on suspension conveyor systems which includes providing a closed, tubular projection on the bag adjacent its open end, temporarily suspending the cut, inserting the cut in the bag, pushing the closed end of the projection through an aperture provided in the meat cut, thereby turning the projection inside out and forming an air-tight socket adapted to receive a hook, placing a hook within the socket, transferring the weight of the cut to the hook, removing the temporary suspension, gathering the open end of the bag to enshroud the cut, and sealing the bag hermetically.

2,202,376

CATHODE RAY TUBE DETECTOR CIRCUITS

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 28, 1938, Serial No. 210,588
7 Claims. (Cl. 250—27)



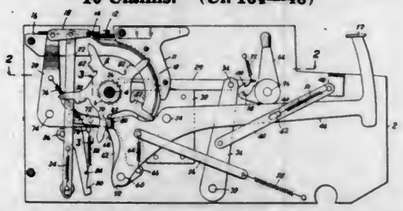
1. A detector circuit comprising, in combination, an electron discharge device having a cathode for producing an electron stream, a pair of cup-shaped anodes symmetrically arranged relative to said cathode, a pair of deflecting electrodes intermediate said cathode and said anodes, and a grid structure adjacent said anodes and in the path of said electron stream for establishing an electric field, a direct connection between said anodes, an input circuit connected to said deflecting electrodes for applying modulated radio frequency waves thereto, an inductive output circuit directly connected to said anodes, and a low impedance connection for radio frequency energy between said anodes and ground, said connection including a by-pass condenser in shunt to said output circuit.

2,202,377

TICKET ISSUING MACHINE

Reuben H. Heisel, Long Island City, N. Y., assignor to General Register Corporation, New York, N. Y., a corporation of Pennsylvania

Application August 10, 1938, Serial No. 224,046
10 Claims. (Cl. 164—48)



1. A ticket issuing machine comprising means for feeding and guiding a ticket strip, means for severing the ticket strip, means for simultaneously imparting operating stresses to said feeding means and said severing means, means preventing operating of the feeding means despite the application of the stress thereto, means rendering said preventing means inoperative, means for preventing operation of the severing means to sever the ticket strip despite the application of the stress thereto, and means for rendering the last named means inoperative upon completion of the operation of the feeding means to advance the ticket strip.

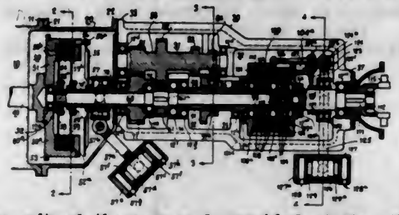
2,202,378

POWER TRANSMISSION DEVICE

Joseph Hertrich, Mantua, N. J.

Application May 14, 1936, Serial No. 79,668
13 Claims. (Cl. 74—330)

1. A gear transmission system including, in combination, a gear box, an adapter casing secured to the gear box and to an engine housing, a combination double clutch and fly-wheel in the adapter housing and connected to the engine shaft, a central drive shaft mounted in the gear housing, a clutch element splined adjacent one end of the said drive shaft and in the said clutch body, a plurality of clutch elements splined adjacent the other end of said drive shaft, a fixed gear on the shaft substantially centrally thereof and in mesh with a second gear shaft; concentric hollow shafts mounted around the central drive shaft and on either side of the fixed gear thereof, the first hollow shaft being connected at one end to a clutch element of the input clutch and adjacent its other end being provided with a gear in mesh with the gear shaft, the second hollow shaft serving as a support for a sliding gear slid-



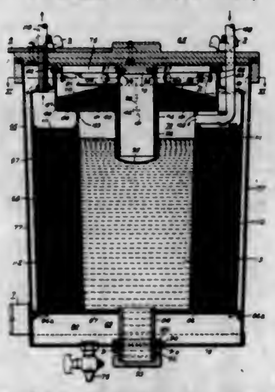
ably splined thereon and provided at its other end with clutch elements splined thereto, the clutch elements at the output ends of both the central drive shaft and the second hollow transmission shaft being adapted for frictional engagement with splined friction plates of an output clutch member, the said output clutch member having a housing connected directly to the output shaft of the transmission system; a reversing idler gear mounted in the gear housing and in mesh with the gear shaft; and means to alternatively move the sliding gear into engagement with either the gear shaft or the reversing idler gear.

2,202,379

OIL FILTERING DEVICE

Frank B. Hewel, Pittsburgh, Pa.

Application July 3, 1936, Serial No. 88,735
5 Claims. (Cl. 210—167)



1. An oil filtering device comprising an upper chamber and two adjacent concentric lower chambers, a cloth roll filter disposed in the outer lower chamber, inlet means for conveying oil under varying pressure into one of said lower chambers and to force the oil through all three chambers in series, outlet means for thereafter conveying said oil from the other of said lower chambers, a metal edge filter in the upper chamber and comprising contiguous coils closely nested and spirally arranged, means for fixing the outer

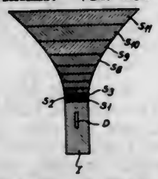
coil of the filter with respect to the wall of one chamber, a vertically extending cylindrical member connected to the inner coil of the edge filter and having a closed lower end, the coils of said edge filter being movable by pressure of oil exerted on the edge filter and on said lower end for causing relative movement between the adjacent coils of said metal edge filter.

2,202,380

CONFINED OR SPACE RESONANCE ANTENNA

Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application November 11, 1937, Serial No. 174,000
In Germany August 27, 1936
6 Claims. (Cl. 250—33)



5. A radially directive antenna comprising a vertical tube closed at one end and open at the other end and a radiating member mounted inside said tube along the axis thereof near the closed end, said tube being filled with a medium having a high dielectric constant around said radiator and a steadily decreasing dielectric constant between the radiator and the open end of the tube.

2,202,381

BRAKE RIGGING

Jesse F. Holloway, Aldan, Pa.

Application June 17, 1938, Serial No. 214,340
1 Claim. (Cl. 188—212)



A brake control mechanism for a railway truck having a brake lever member and a brake head member pivotally supported thereby comprising, a hollow sleeve having threaded adjustable connection with one of said members, a hollow plunger engageable with the other of said members and being telescopically slidably supported by said sleeve for normal movement relative thereto, and a spring disposed within said plunger and sleeve for yieldingly pressing said plunger into its said engagement.

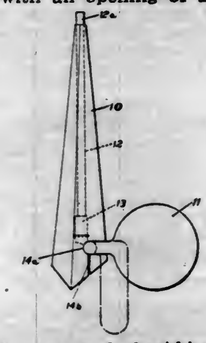
2,202,382

TRYLON AND PERISPHERE

Bert Horton, New York, N. Y.

Application February 16, 1939, Serial No. 256,692
2 Claims. (Cl. 46—180)

1. A trylon and perisphere toy, comprising a hollow horn shaped body simulating the trylon, a stiff tube extending axially through said body and freely engaging through the small end thereof, and terminating a short distance from the large end thereof, and a rubber air inflatable balloon mounted on the inner end of said tube and extending through one side of said body near the bottom thereof to simulate the periphere and to support said tube, and at the point where said balloon extends through said body said body being formed with an opening of key-hole shape



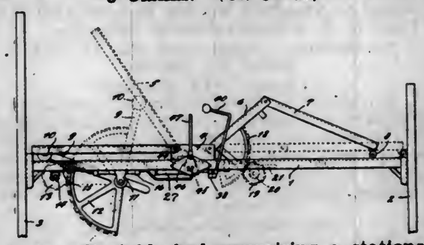
extended in from an end of said body for releasably holding said balloon.

2,202,383

HYDRAULICALLY ADJUSTABLE FURNITURE

Harry E. Hymer, Harrison, and Reed Ferris, Eastchester, N. Y.

Application December 30, 1937, Serial No. 182,444
5 Claims. (Cl. 5—69)



1. An adjustable bed comprising a stationary central section, adjustable head and foot sections on opposite sides of said central section, a pump mounted on said central section and comprising a cylinder and a piston reciprocable therein, a handle directly connected to said piston and arranged to reciprocate said piston, two hydraulic rams connected to said cylinder and arranged to raise or lower said head and foot sections, respectively, a valve controlling the connections between said cylinder and rams and having passages arranged to selectively connect said cylinder to either one of said rams or to connect either one of said rams to a pressure releasing system, a handle on said valve adjacent said first-named handle, whereby the occupant of the bed may readily operate both the valve and pump, and means automatically returning said valve to pumping position after it has been moved to either pressure releasing position.

2,202,384

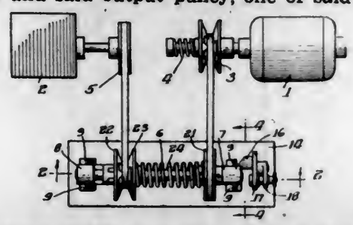
VARIABLE SPEED TRANSMISSION

Richard S. Jacobsen, Wheaton, Ill., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Original application June 4, 1936, Serial No. 83,409. Divided and this application August 10, 1938, Serial No. 224,006
18 Claims. (Cl. 74—230.17)

14. Variable speed drive means comprising a supported input pulley, a supported output pulley, one of said pulleys consisting of a pair of mating coned discs relatively axially movable to vary

the effective diameter thereof, a supported third pulley, a V-belt traveling over said input pulley and said third pulley, a supported fourth pulley, means for driving said fourth pulley from said third pulley, a V-belt traveling over said fourth pulley and said output pulley, one of said third



and fourth pulleys consisting of a pair of mating coned discs relatively axially movable, and means for simultaneously increasing or simultaneously decreasing the center distances between the pulleys joined by said belts, at least one of said discs being axially fixed.

2,202,385

METHOD FOR DETERMINING THE CHARACTER OF COFFEE

William Redmond Johnston, Bronx, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application May 18, 1938, Serial No. 208,602
5 Claims. (Cl. 23—230)

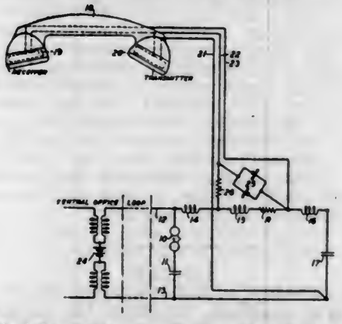
1. A method for determining the character of coffee, which comprises determining the oxidizability of roasted coffee by contacting coffee with oxygen under controlled time, humidity and temperature conditions, and measuring the amount of oxygen absorbed.

2,202,386

TELEPHONE CIRCUIT

Walter Koenig, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 24, 1939, Serial No. 258,130
4 Claims. (Cl. 179—81)



1. A telephone circuit comprising a pair of line conductors, a transmitter, a receiver, a connection from one terminal of said transmitter to one of said line conductors, a connection from one terminal of said receiver to the other of said line conductors, a common resistive connection between the other terminal of said receiver and transmitter, a non-linear resistance element connected between said second connection and said resistive connection, and means including a resistance connected between said other line conductor and the point of connection between said non-linear resistance and said common connection for neutralizing the potential drop in said common connection.

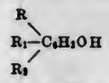
2,202,387

MINERAL OIL SOLUTIONS

Eric C. Kunz, Montclair, and Alphonse T. Fiore, Passaic, N. J., assignors to Givaudan-Delawanna, Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 26, 1938, Serial No. 198,228
7 Claims. (Cl. 167—24)

4. An insecticidal composition containing mineral oil distillate, a poly-alkyl phenol of the general formula



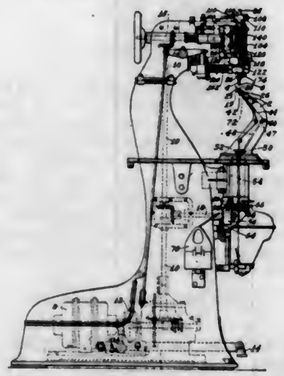
wherein R and R_1 are alkyl groups and R_2 is H or alkyl, the total number of carbon atoms in the alkyl groups being not less than 3 and not more than 16, each alkyl group containing not more than 8 carbon atoms therein, and a third substance selected from the group consisting of rotenone, oleoresins containing rotenone, and the insecticidally-active principles of Derris, cube and timbo, said third substance being present in said composition in an amount greater than its normal solubility in said mineral oil alone.

2,202,388

SHOE SEWING MACHINE

Bernard T. Leveque, Wenham, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application August 25, 1937, Serial No. 160,746
41 Claims. (Cl. 112—34)



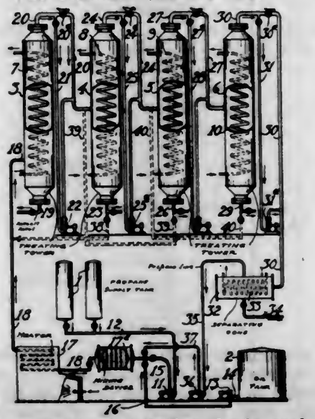
4. A shoe sewing machine of the McKay type having, in combination, stitch forming and work feeding devices including a straight hook needle, a rotatable work supporting horn, a looper mounted to turn on the horn, and a gage rotatably mounted on the looper to engage the edge of the insole on the inside of the shoe, the gage turning with respect to the looper and to the horn to maintain proper cooperative relation to the edge of the insole during the sewing operation.

2,202,389

EXTRACTION OF HYDROCARBON MATERIAL WITH LIGHT HYDROCARBONS

Warren K. Lewis, Newton, Mass., and James M. Whiteley, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application September 7, 1934, Serial No. 743,646
16 Claims. (Cl. 196—13)



1. The method of treating hydrocarbon oils which comprises diluting the same with a light hydrocarbon solvent, heating the mixture to a high temperature below the critical temperature of the light hydrocarbon solvent, increasing the pressure to several times the equilibrium vapor pressure of the light hydrocarbon at the temperature of working, separating the two layers formed, reducing pressure on the upper layer whereby a further separation is caused, again separating the two layers, reducing pressure on the upper layer, separating the two layers, reducing pressure on each layer to the critical pressure of the light hydrocarbon solvent and heating the two layers to the critical temperature of the solvent whereby the oil is caused to separate from the light hydrocarbon, and recovering the oil layers.

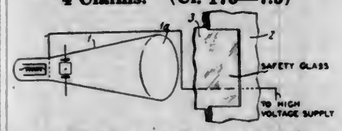
16. Process for treating a petroleum lubricating oil which comprises diluting the same with several volumes of a liquefied normally gaseous hydrocarbon, subjecting the mixture to a high temperature below the critical temperature of the liquefied normally gaseous hydrocarbon and progressively varying the pressure in the range not below the vapor pressure of the system whereby the solubilities of the respective constituents of the lubricating oil are varied.

2,202,390

TELEVISION RECEIVER

Alfred Aubyn Linsell, Sydenham, London, England, assignor to Radio Corporation of America, a corporation of Delaware

Application May 16, 1936, Serial No. 80,057
In Great Britain May 24, 1935
4 Claims. (Cl. 178—7.5)



1. In combination with a television receiver wherein a cathode ray tube is employed, and wherein high voltage operating circuits are used, a cabinet, a viewing window in said cabinet opposite the cathode ray tube, a concave shatterproof viewing lens in the window, and means cooperatively associated with the lens for interrupting the high voltage operating circuits upon failure of the lens.

2,202,391

PIEZOELECTRIC APPARATUS

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 3, 1938, Serial No. 238,530
12 Claims. (Cl. 171—327)



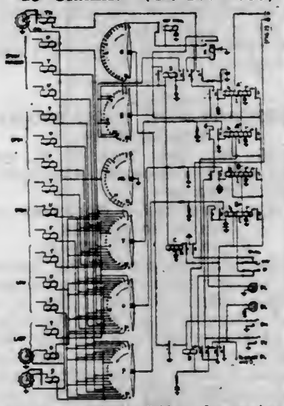
1. A composite vibrator comprising a piezoelectric element, a non-piezoelectric loading means fixedly attached thereto whereby the device may vibrate as a unit, the temperature coefficients of frequency of the piezoelectric element and of the non-piezoelectric loading means having opposite signs and the density and dimensions of the loading means being so predesigned with respect to that of the piezoelectric element and with respect to the relative magnitudes of the temperature coefficients of frequency that in the region of a desired frequency of vibration the device is resonant at a substantially constant frequency irrespective of temperature variations.

2,202,392

QUOTATION SYSTEM

Harold F. May, Valley Stream, and Frazier O. Stratton, New York, N. Y., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware

Application January 26, 1932, Serial No. 588,914
Renewed September 23, 1938
15 Claims. (Cl. 177—353)

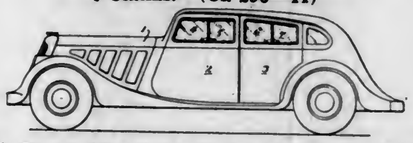


12. In an apparatus of the character described, the combination of a central information station comprising a plurality of groups of electromagnetically operated step by step indicators, a subscriber's equipment including a set of electromagnetically operated step by step indicators, an automatic sender at the central station, said sender including a selector, an auxiliary impulse transmitter, a plurality of storage devices and a main transmitter, means in the subscriber's equipment for transmitting impulses to the central station characterizing the designation of any desired group of indicators, means responsive to said impulses for connecting the subscribers' in-

dicators to the automatic sender and for operating said selector, means operable under the control of said selector for selecting a group of indicators under the control of said designation impulses, means automatically setting said auxiliary transmitter in operation for rotating said selected indicators through one complete rotation, means for controlling said storage devices in accordance with the set-up in said selected group of indicators as said indicators are rotated, and means for automatically setting said main transmitter in operation after said storage devices have been controlled to transmit impulses under control of said storage devices to actuate the calling subscribers' indicators to display the information displayed on said selected group of indicators.

2,202,393
VENTILATING DEVICE FOR AUTOMOBILES

Willard L. Morrison, Lake Forest, Ill.
Application October 4, 1933, Serial No. 692,084
Renewed September 28, 1938
6 Claims. (Cl. 296—44)



1. In combination with an automobile of two pivoted windows, both pivoted intermediate their front and rear edges, with their edges adjacent, there being a part on one window overlapping the other window when the windows are in closed position, an elastic sealing device between the adjacent edges of the two windows and an elastic means between the overlapping edges of the part of one window which overlaps the other window, a locking device on said first mentioned window having a movable double cam locking member and a stationary double cam locking member attached to a fixed part of the automobile and engaged by the movable cam member and a single handle for controlling said movable double cam locking member.

2,202,394
LUBRICANT FOR HIGH BEARING PRESSURES

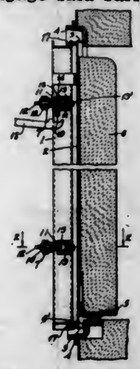
Arnold J. Morway, New York, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 21, 1933, Serial No. 698,988
6 Claims. (Cl. 87—9)

1. An improved lubricant of the extreme pressure type, comprising a heavy hydrocarbon base oil containing about 0.20 to 1.5% of corrosive sulfur and a soluble lead compound in proportion such as to combine to form lead sulfide with substantially no excess of either constituent, the corrosive sulfur being uncombined with lead.

2,202,395
LOCKING AND CLEANING COKE OVEN DOOR

Carl Otto, Essen, and Eberhard Grasshoff, Bochum, Germany; said Grasshoff, assignor, by mesne assignments, to the firm Otto-Wilputte Ovenbouw Maatschappij N. V., The Hague, Netherlands, a corporation of the Netherlands, and said Otto, assignor to Fuel Refining Corporation, Dover, Del., a corporation of Delaware
Application December 8, 1937, Serial No. 178,706
In Germany December 28, 1936
12 Claims. (Cl. 202—248)

1. A coke oven door adapted to close a doorway in a coke oven structure having a door seat surrounding said doorway, and having door holding means comprising a surface in front of and inclined upwardly and away from said seat, said door comprising seat engaging means, a locking member mounted on said door at its outer side to move toward and away from the door and adapted to engage said surface, and be thereby



given movement toward said door when said door is lowered into its closed position, and resilient means acting between said locking member and door and opposing said movement of the locking member toward said door, and thereby forcing said seat engaging means against said seat, as said door is lowered into its closed position.

2,202,396
SHATTERPROOF ARTICLE OF GLASS

Harold Ray Owen, Los Angeles, Calif., assignor to Electrical Products Corporation, Los Angeles, Calif., a corporation of California
Application July 1, 1938, Serial No. 217,109
1 Claim. (Cl. 40—130)



In a luminous display, a sheet of frangible material, an elongated gaseous conduction lighting tube of frangible material convoluted in the form of a design along a surface of said sheet, and a coating of plastic material covering the surface of said tube as a sheathing and following the convolutions thereof and coating the adjacent surface of said sheet.

2,202,397
UNITARY LUMINOUS DISPLAY

Harold Ray Owen, Los Angeles, Calif., assignor to Electrical Products Corporation, Los Angeles, Calif., a corporation of California
Application July 18, 1938, Serial No. 219,788
6 Claims. (Cl. 40—130)

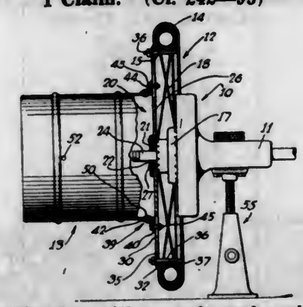


1. A plastic sheathed, gaseous conduction lighting tube, convoluted together with its sheathing

in the form of a design, and a plastic webbing of thickness materially less than the width of said tube, integral with the sheathing thereof, extending along a plane passing through the various convolutions of said tube and forming a mechanical support and display background for the same.

2,202,398
WIRE REEL

William B. Poppenga, Lennox, S. Dak.
Application February 23, 1939, Serial No. 257,790
1 Claim. (Cl. 242—95)



In combination with an axle and a wheel fixed thereto, said wheel comprising a vehicle tire, and an annular rim supporting said tire, and spokes interconnecting said rim with the hub of said wheel, a member comprising a plate having an opening receiving the stud of said axle, a plurality of radially extending bars fixed at their inner ends to said plate, the outer ends of said bars being curved and engaging an edge of the rim of said wheel, said bars being formed with openings adjacent their outer ends, bolts extending through said openings in said bars and having hook portions engaging the other edge of said rim, each of said bars being formed with a longitudinal slot, an angle shaped bracket for each bar, having a wall contacting said bar, and a wall extending longitudinally of the wheel axle, at right angles to said bar, a bolt extending through the first wall of each of said brackets and through the slot in the bar contacted by said wall, and fixing said bracket to said bar, and a drum disposed axially of said wheel, an edge of said drum being received between the longitudinally extending walls of said brackets and being riveted thereto.

2,202,399
CONVEYER

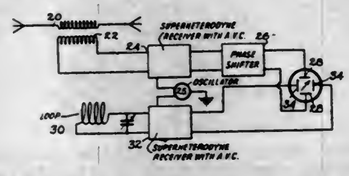
Frederick G. Riesen, Sr., Milwaukee, Wis.
Application February 27, 1939, Serial No. 258,767
11 Claims. (Cl. 198—168)



1. An endless conveyer of the type having flights movable along a defined path to advance articles along said path, characterized by the fact that the flights of the conveyer have: a pusher portion and a movable portion, said movable portion being frictionally engageable with an article resting thereon to dislodge the same from its position on the flight and move the same to a proper position in front of the pusher portion of the flight.

2,202,400
DIRECTIVE SIGNALING

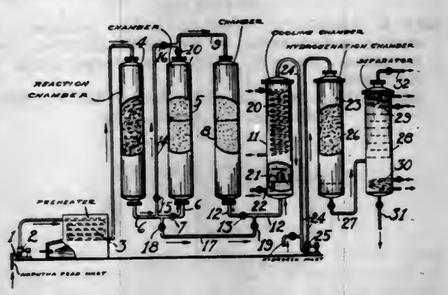
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 6, 1937, Serial No. 141,024
2 Claims. (Cl. 250—11)



1. In a directional receiving system, a linear absorption member responsive only to wave energy when a line through its length deviates from the line of direction of propagation of said wave energy, a second member arranged in a plane perpendicular to said linear member and responsive only to voltage in said wave energy when its plane deviates from a position at right angles to the line of direction of said propagated wave energy, a cathode ray tube including a target and pairs of deflecting plates and amplifying means coupling for applying high frequency energy from each of said members to a different pair of deflecting plates, a phase shifting means between one of said amplifying means and the deflecting plates associated therewith, said last means being so adjusted that the energy applied to each of said pairs of plates is in phase whereby a linear indication is obtained.

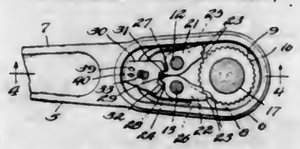
2,202,401
METHOD OF IMPROVING KNOCK RATING OF NAPHTHAS

Raphael Rosen, Elizabeth, N. J., assignor to Standard-I. G. Company, a corporation of Delaware
Application December 28, 1936, Serial No. 117,899
11 Claims. (Cl. 196—50)



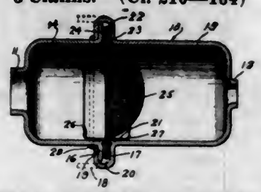
1. In the process of producing a highly refined motor fuel by reforming a naphtha at temperatures between about 850° F. and about 1100° F. under superatmospheric pressures in the presence of a dehydrogenation catalyst wherein the resultant products contain branched chain and normal mono-olefins followed by a catalytic hydrogenation with hydrogen of the reformed naphtha, the improvement which comprises controlling the hydrogenation process within the temperature range of about 200 to about 580° F. under a superatmospheric pressure of at least 3 atmospheres and for a time sufficient to reduce the bromine number to no less than about 0.14.

2,202,402
RATCHET WRENCH
Theodore O. Rueb, Chicago, Ill., assignor to The Sherman-Klove Co., Chicago, Ill., a corporation of Delaware
Application May 28, 1938, Serial No. 210,599
2 Claims. (Cl. 192—43.1)



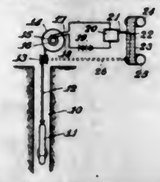
1. In a ratchet mechanism, the combination of a driving member comprising a handle having a head at one end with an elongated opening therethrough, a peripheral projection extending inwardly around the opening, cover plates engaging with said projection with their outer surfaces substantially flush with the rim of the head, a driven member comprising a toothed ratchet wheel rotatably mounted in said plates and having a driving portion extending therefrom, pins through said plates adjacent to the ratchet wheel for holding the plates in position, dogs mounted on said pins and adapted to engage with opposite portions of the ratchet wheel for turning the same in opposite directions, rearwardly extending projections on said dogs, a U-shaped spring engaging with the dogs and tending to hold their operating ends in position to engage with the ratchet wheel, a pin through one of said plates, a lever secured to said pin and engaging with the projections on the dogs for adjusting the dogs, holes in one face of said lever, a spring-pressed detent engageable with said holes for holding said lever in adjusted position, and a thumb-piece on the outer end of the pin outside of the head for swinging the same to adjust the dogs for reversing the ratcheting movement, substantially as described.

2,202,403
STRAINER ASSEMBLY FOR REFRIGERATION SYSTEMS
Ray A. Sandberg, Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application May 13, 1937, Serial No. 142,396
3 Claims. (Cl. 210—164)



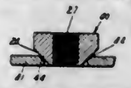
1. A strainer assembly comprising complementary metal cups having outturned flanges at their open ends and apertures through their closed ends, the flange of one cup being crimped around the flange of the other cup to secure the cups together for defining a housing, a sleeve disposed in said housing having the wall thereof bowed outwardly intermediate the ends of the sleeve to define a rim, said rim being disposed between the flanges of the cups, a wire screen extending across said sleeve and having the peripheral edges thereof secured between the outwardly bowed walls of the sleeve and a film of brazing material between the flanges of the cup members for rendering the housing air-tight, said sleeve being formed to provide a space between it and said housing for protecting said screen from the brazing material.

2,202,404
APPARATUS FOR DETERMINING HORIZON PRODUCTIVITY OF WELLS
Will S. Sease, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application May 25, 1938, Serial No. 209,928
5 Claims. (Cl. 73—51)



1. Apparatus for determining the horizon productivity in a producing oil or gas well which comprises an elongated case, means for changing the elevation of said case within said well, means within said case for holding a supply of liquid, means responsive to the velocity of the fluid flow adjacent the exterior of said case parallel to the longitudinal axis thereof for changing the level of said liquid, means for converting the changes in level of said liquid into electrical variations, and means for transmitting said electrical variations to the top of said well.

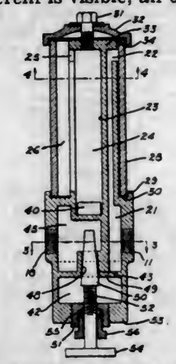
2,202,405
METHOD OF RESISTANCE WELDING
William E. Smith, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application July 31, 1936, Serial No. 93,671
2 Claims. (Cl. 219—10)



1. A method of resistance welding tubular and plate members together which comprises, providing a tapered edge at the end of the tubular member, forming an opening in said plate member intermediate to the inside and outside dimensions of the tubular member and having walls that are generally parallel, bringing the tapered end surface of said tubular member into continuous aligned contact with the edge of the opening in said plate member, raising the engaging portions of said members to welding temperature by the passage of an electric current therebetween, and applying pressure to fuse said members together.

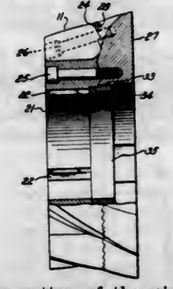
2,202,406
CONDENSATION APPARATUS
Stephen A. Staege, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application July 3, 1937, Serial No. 151,789
14 Claims. (Cl. 137—103)

1. A condensation device of the character described comprising a supply chamber adapted for connection to a vapor system to be drained, a receiving chamber having pressure equalizing communication at an upper portion thereof with said supply chamber and having a vertically elongated opening through which liquid may flow from the supply chamber, one of said chambers having a transparent wall through which the liquid level therein is visible, an elongated vapor-



izing passage of restricted cross-section compared to said opening, said passage communicating at one end thereof with said receiving chamber, and a discharge chamber at the other end of said vaporizing passage.

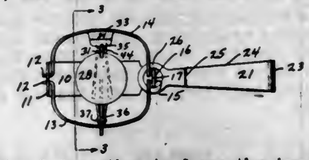
2,202,407
GEAR CUTTER
William E. Sykes, Buffalo, N. Y.
Application November 24, 1937, Serial No. 176,282
2 Claims. (Cl. 29—102)



1. In a gear cutter of the pinion type, a body having a bore and coaxial peripheral teeth, a continuous cylinder pressed into the bore and projecting from one face of the body, blades applied to common end faces of the teeth, said blades each having a curved face seating on the exterior surface of said cylinder, complementary parallel serrations on the face of each tooth and its accompanying blade, said serrations being disposed in an approximately radial direction to prevent radial displacement of the blades on the cylinder, and means securing the blades to the tooth faces.

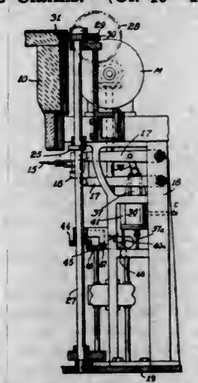
2,202,408
STEEL TRAP
Leonard G. Torgerson, Sioux City, Iowa
Application February 1, 1939, Serial No. 253,987
1 Claim. (Cl. 43—93)

A steel trap comprising a pair of U-shaped jaws, a spring member having an opening receiving ends of the jaws, said spring member forcing the jaws to closed position during upward movement, means coacting with the spring and the jaws to lock the jaws in open position when the spring member is forced downwardly, including integrally formed backwardly bent lips attached to the jaw ends, a bait-receiving treadle pivoted to the trap including a setting member having an indented portion, one of said jaws including an extended lip coacting with said portion, a lever member for raising said treadle pivoted to the trap, said lever member having an extended portion beyond the pivoting point thereof, the other of said jaws coacting with



said extended portion to force the inner end of the lever and the treadle upwardly when the jaw is forced to horizontal position, the backwardly bent lip attached to the jaw including the extended lip, having a sloping portion for positioning the jaw in a directly horizontal position before the other of said jaws, to position the releasing lip before said treadle is raised to locking position.

2,202,409
APPARATUS FOR SHEARING MOLTEN GLASS
Frank L. O. Wadsworth, deceased, late of Pittsburgh, Pa., by Mildred M. Wadsworth, administratrix, Pittsburgh, Pa., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana
Original application January 18, 1935, Serial No. 2,361. Divided and this application June 1, 1937, Serial No. 145,667
6 Claims. (Cl. 49—14)

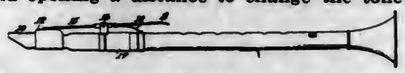


1. A shear mechanism for a glass feeder comprising coacting shear blades, a movable head on which said blades are mounted, means carried by said head for actuating said blades, means for reciprocating said head, cam fingers carried by said shear actuating means, a cam positioned to engage one of said fingers while said head is in one position, and a second cam positioned to engage the other of said fingers as said head is moving to another position.

2,202,410
MUSICAL INSTRUMENT OF THE FLUTE TYPE
Bernard E. Walberg, Worcester, Mass.
Application October 20, 1938, Serial No. 236,058
1 Claim. (Cl. 84—384)

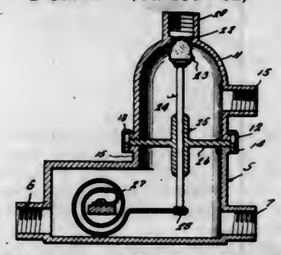
As an article of manufacture, a wind instru-

ment of the flute type having a mouthpiece provided with an air chamber having a constantly open wind opening and a tone lip therefor, a normally closed wind opening to one side of and spaced longitudinally of the constantly open wind opening a distance to change the tone by



less than a full note, a tone lip for said normally closed opening, means to open said normally closed wind opening to render its tone lip operative, said means when in closed position completely filling said opening and bearing against its tone lip.

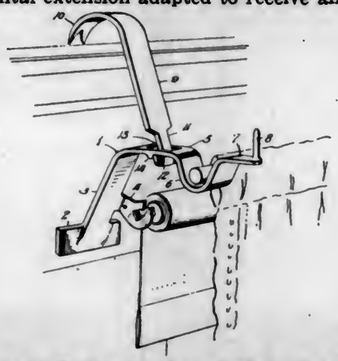
2,202,411
RELEASE VALVE
Frank A. Waterman, Norfolk, Va., assignor of one-half to A. R. Thompson, Norfolk, Va.
Application January 25, 1939, Serial No. 252,840
1 Claim. (Cl. 137—21)



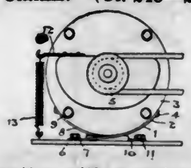
Means for automatically releasing hot water from the top of a hot water tank having a cold water supply pipe extending through the top of the tank to a point adjacent the lower end thereof, said means comprising a casing superimposed in the cold water pipe adjacent the point where the pipe enters the tank, whereby the water flows through the casing before entering the tank, a hot water service pipe leading from the tank, said casing having an upwardly extending portion, a partition plate extending across the top of said upwardly extending portion, a dome having its lower end resting on the partition plate, means for connecting together the partition plate, the lower end of the dome and said upwardly extending portion of the casing, said dome having a discharge opening in its top forming a valve seat, a vertically arranged tubular guide carried by the partition plate, a valve stem passing through the guide and having a valve at its upper end for engaging the seat, a thermostat in the casing and having one end connected with the lower end of the valve stem, said thermostat when acted on by cold water holding the valve closed, and said thermostat opening the valve when acted upon by hot water backing up in the cold water pipe and means for connecting a side port through the dome with the hot water service pipe leading from the tank.

2,202,412
COMBINED WINDOW SHADE AND CURTAIN BRACKET
James H. York, Cincinnati, Ohio
Application September 21, 1939, Serial No. 295,986
3 Claims. (Cl. 248—253)

1. A combined window shade and curtain bracket comprising a main body member having a shank provided with a window casing engaging base at one end and a substantially horizontal extension extending at an angle from said shank, said horizontal extension being provided with a socket opening therethrough and beyond said opening a downwardly curved portion adapted to receive and support one end of a curtain rod, said extension having means further for supporting and holding in place overdrapes, a projecting ear on said shank intermediate the base and the said horizontal extension adapted to receive and support one end of a window shade roller, and a hanger arm provided at one end with a narrow neck and an enlarged head for detachably engaging the said main body member through said socket opening, said hanger arm being provided at the other end thereof with securing means, whereby the bracket may be secured to a window casing.



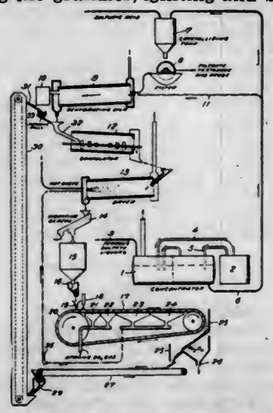
2,202,413
ADJUSTABLE MOUNTING FOR ELECTRIC MOTORS
Carl G. H. Anderson and Ivar K. Fog, Toronto, Ontario, Canada, assignors to Sangamo Company Limited, Toronto, Ontario, Canada
Application February 4, 1938, Serial No. 188,594
4 Claims. (Cl. 248—23)



4. In combination with a motor and base, and means resiliently mounting said motor on the base for rolling displacement, a pad of resilient material interposed between the base and the lower periphery of the motor and forming a cushioning roller support for said motor and relieving said resilient mounting means of the full weight of the motor.

2,202,414
PRODUCTION OF SULPHUR DIOXIDE FROM METAL SULPHATES
Blakeslee Barnes, New York, N. Y., and Harold E. Broughton, Hackensack, N. J., assignors to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application December 3, 1938, Serial No. 243,706
14 Claims. (Cl. 23—177)

1. A method of obtaining from heavy metal sulphates a sulphur dioxide gas of sufficient strength and free oxygen content for catalytic oxidation by the contact sulphuric acid process which comprises mixing said sulphates in the form of finely divided solids with heavy metal oxides and finely divided carbonaceous fuel in the presence of a binder, granulating and sizing the mixture to a fairly uniform size, drying and hardening the granules, igniting and burning the



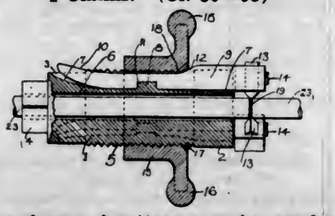
dried granules in a relatively thin, porous layer in about 20 minutes or less while passing a current of air through them, and collecting as a separate fraction the first portions of the resulting products of combustion.

2,202,415
SELF-INFLATING LIFE PRESERVER
Edward T. Christopher and Hugh E. Murray, Denver, Colo.
Application April 19, 1938, Serial No. 202,843
5 Claims. (Cl. 9—19)



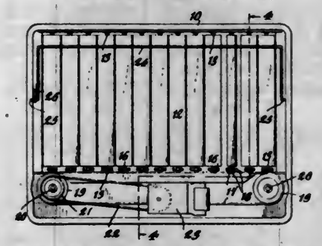
1. A self-inflating life preserver comprising: an inner expansible tube; an outer expansible tube, both tubes having the same contour with one fitting snugly within the other; an attachment clip at each extremity of both tubes; means for securing the extremities of both tubes to said attachment clips; a compressed gas container within the inner tube; means operable from the exterior for releasing the gas therefrom; and a tight fitting rubber band clamping said inner tube about said gas container to firmly hold the latter in a fixed position therein.

2,202,416
END-ON ROD CUTTER
Roy C. Day, Crawfordsville, Ind.
Application October 21, 1938, Serial No. 236,175
4 Claims. (Cl. 30—95)



1. In end-on rod cutters, a main member constituting the body having a rod opening throughout the length thereof, a plurality of external lengthwise grooves in such body, a projection constituting a fulcrum in each groove, an external threaded portion on the body of the member between its ends, threaded means external of the body member for movement endwise thereon, a beveled opening in said means, a plurality of lengthwise cutter jaws in the grooves each jaw being provided with a notch adapted to engage the fulcrum, cutter terminations of the jaws at one end thereof, outwardly curving terminations at the other end of the jaws, inclined upper faces of the jaws, and means for rotating the body member to carry the cutters around the circumference of the rod.

2,202,417
DISPLAY SIGN
Robert B. Fleming, Kenmore, N. Y., assignor to Edward J. Brunner, Buffalo, N. Y.
Application August 31, 1938, Serial No. 227,796
2 Claims. (Cl. 40—76)

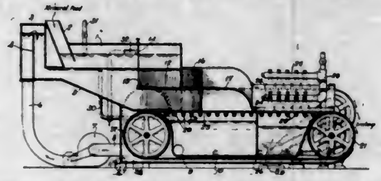


1. A changeable sign of the character described, comprising a casing having a sign display-opening in its front side, bearing plates applied to the upper and lower edges of said display-opening and having bearing sockets therein, a plurality of individually movable sign-panels of substantially slat-like form disposed in edgewise relation in the plane of said casing-opening to provide a composite display and each bearing sign data on its opposite faces and pivot pins projecting centrally from the upper and lower ends thereof engageable with companion sockets in said bearing plates, trip elements extending radially from one of the pivot pins of each sign-panel, shafts journaled in the front portion of said casing at opposite ends thereof and below the sign-panels and at right angles to the pivot pins thereof, pulleys applied to said shafts, an endless belt engaging said pulleys and having tappet means applied to the outer face thereof for operative engagement with said trip elements for successively and intermittently imparting a swiveling movement to the sign-panels to expose one side or the other to display position, a source of power connected to one of said pulley-shafts, and resilient retaining means operatively associated with the sign-panels for releasably retaining them in their alined display position.

2,202,418
CLASSIFICATION SYSTEM
Willing B. Foulke, Media, Pa., assignor, by mesne assignments, to Delaware Chemical Engineering and Development Company, Wilmington, Del., a corporation of Delaware
Application August 11, 1938, Serial No. 224,252
4 Claims. (Cl. 209—173)

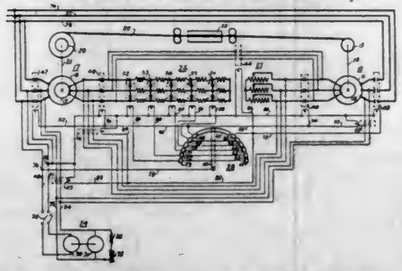
4. The apparatus for classifying solids which comprises a single channel to receive solids of mixed gravities and a stream of parting liquid, means for introducing solids of mixed gravities to be classified into said stream of parting liquid, a plurality of vertical spaced channels connected

with said first-named channel and dividing the stream, by a plurality of orifices to receive upper and lower parts of the said stream, at least one of said channels having a bottom comprising a



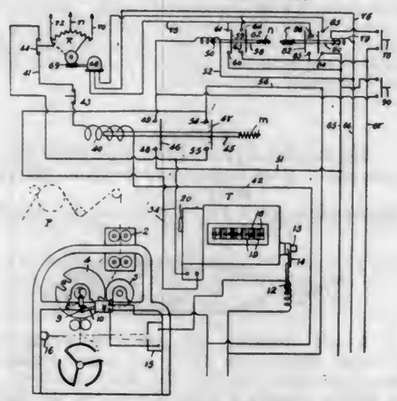
Fourdrinier belt, and means to circulate said parting liquid through said single channel, through said plurality of orifices, and thence through said last-named plurality of connecting channels.

2,202,419
INDUCTION MOTOR CONTROL SYSTEM
Richard A. Geuder, Cleveland, Ohio, assignor to Reliance Electric and Engineering Company, a corporation of Ohio
Application November 10, 1938, Serial No. 239,809
5 Claims. (Cl. 242—75)



1. In combination with a source of direct current and of alternating current, of a control system for unwinding material from either of two rotatively mounted rolls and winding same upon the other comprising, a first induction motor having a stator and a rotor connected to one of said rolls, a second induction motor having a stator and a rotor connected to the other said roll, a first resistance means, a second resistance means, controlling means comprising first control means for operating the first induction motor as a motor and the second induction motor as a drag generator to unwind the material from one of said rolls and winding same upon the other roll and second control means for operating the second induction motor as a motor and the first induction motor as a drag generator to unwind the material from the latter of said rolls and wind same upon the former roll, said first control means comprising a plurality of switch means, one said switch means connecting the stator of the first induction motor to the source of alternating current, another said switch means connecting the rotor of the first induction motor to the first resistance means, another said switch means connecting the stator of the second induction motor to the source of direct current and another of said switch means connecting the rotor of the second induction motor to the second resistance means, said second control means comprising a plurality of switch means, one said switch means connecting the stator of the second induction motor to the source of alternating current, another said switch means connecting the rotor of the second induction motor to the first resistance means, another said switch means connecting the stator of the first induction motor to the source of direct current and another said switch means connecting the rotor of the first induction motor to the second resistance means, means for selecting the direct current excitation of the stator of the induction motor acting as a drag generator with the value of the second resistance means to cause the induction motor acting as a drag generator to produce a braking torque characteristic which varies approximately inversely with the speed of the unwinding roll to maintain substantially uniform tension on the material being unwound, and means for varying the value of the first resistance means to reduce the speed of the induction motor acting as a motor to transfer the material to the winding roll at a substantially constant lineal speed.

2,202,420
DELIVERY CONTROL
Walter E. Hamlin, Cleveland, Ohio, assignor to The Cleveland Shopping News Company, Cleveland, Ohio, a corporation of Ohio
Application November 12, 1936, Serial No. 110,483
4 Claims. (Cl. 172—239)

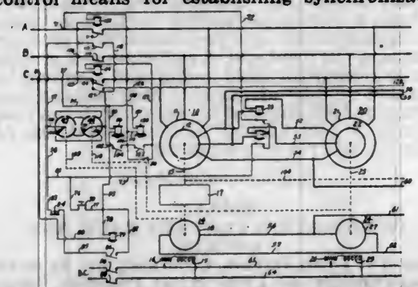


1. In apparatus of the character described, means for tallying articles discharged, means for interrupting the operation of the tallying means on failure of such articles, a trip in association with said tallying means, and means to operate the trip settable for operation at a desired number, a rock shaft actuated by said trip, an arm on said rock shaft, another electric contactor and a circuit controlled thereby, a link for releasing said contactor, a link connected to said link and frictionally riding between two pins on said rock shaft arm whereby on movement of the rock shaft by its said trip said contactor is set down, the rock shaft arm returning to original position on the next impulse of said electro-magnet, a link extending from one of said pins on the rock shaft arm to raise said contactor on such return movement of said arm, and an electro-magnetic switch controlled by said other electric contactor.

2,202,421
CONTROL SYSTEM
Fred E. Harrell and Richard A. Geuder, Cleveland, Ohio, assignors to Reliance Electric and Engineering Company, a corporation of Ohio
Application November 10, 1938, Serial No. 239,833
23 Claims. (Cl. 172—293)

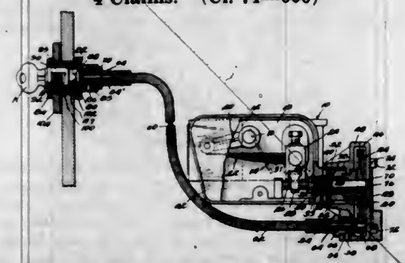
14. In combination, a synchronous transmission system including a plurality of synchronous

units arranged to be synchronously connected together, stabilizer means comprising non-synchronous machines mechanically connected to the synchronous units and electrically connected together for transferring non-synchronous electrical energy from one stabilizer to the other, control means for establishing synchronization



of any one unit with another unit already in motion, said control means including means for electrically operating the non-synchronous machines to transfer non-synchronous electrical energy from the non-synchronous machine in motion to the non-synchronous machine at rest to bring the speed of the machine at rest close to the speed of the machine in motion.

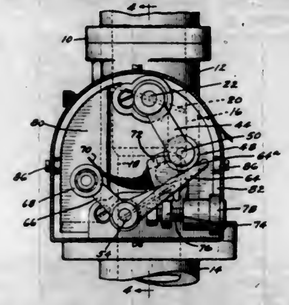
2,202,422
REMOTE CONTROL FOR GOVERNORS
Addison C. Hoof, Hinsdale, Ill.
Application August 2, 1937, Serial No. 157,061
4 Claims. (Cl. 74—606)



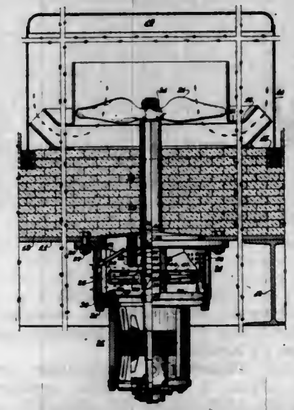
1. In an apparatus of the class described comprising a spring housing, rotatable means in said spring housing, a bore communicating with the interior of said housing, and a cover plate for said housing having a lug projecting interiorly of said housing when the cover is in closed position, a control shaft means adapted to engage said bore and said lug, releasable means interlocking with said shaft and engageable behind said lug within the housing for sealingly retaining the shaft in operative position and holding the cover upon the housing, gear means on said shaft and a gear housing axially retained upon the spring housing by said shaft.

2,202,423
COMBINED THROTTLE AND GOVERNOR DEVICE
Addison C. Hoof, Hinsdale, Ill.
Application November 8, 1938, Serial No. 239,514
6 Claims. (Cl. 137—152)

1. In apparatus of the class described, the combination with a housing having a passageway therethrough, a manually controllable valve in said passageway, a shaft connected thereto, a suction controlled valve in said passageway below said first named valve, a shaft connected thereto, and means co-operating between said valves for moving said suction controlled valve toward a closed position as said manually controlled valve is closed, said means including an arm on said first valve shaft, a roller at the end of said arm and an arm on said second valve shaft engaging said roller and moved thereby.

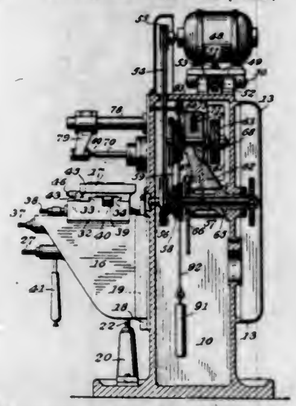


2,202,424
MOTOR APPLICATION FOR HEATED COMPARTMENTS
William R. Hough, Cleveland, Ohio, assignor to The Reliance Electric and Engineering Company
Application December 31, 1938, Serial No. 248,780
8 Claims. (Cl. 308—76)



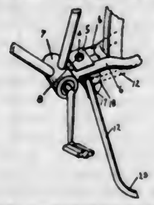
8. The combination with an extension shaft arranged to drive a device within a heated compartment, of means positioned on the outside of the heated compartment to drive the extension shaft, an air cooling compartment having a housing positioned between the driving means and the heated compartment, means for supporting the said housing, bearing means supporting the extension shaft, means for mounting the bearing means in the said housing, a fan having a high heat conductivity positioned in the housing and driven upon the rotation of the extension shaft, said fan being mounted near and in close heat transfer relation to the bearing means to dispose of the heat conducted from the driven device along the extension shaft toward the bearing means, said extension shaft comprising a metal having a low heat conductivity to restrict the flow of heat from the driven device along the extension shaft toward the bearing means.

2,202,425
HAND MILLING MACHINE
Newman M. Marsilius, Bridgeport, Conn., assignor, by mesne assignments, to Van Norman Machine Tool Company, Springfield, Mass., a corporation of Massachusetts
Application September 2, 1936, Serial No. 99,037
3 Claims. (Cl. 74—219)



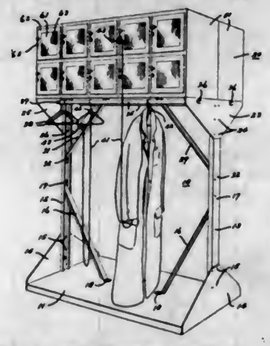
1. The combination of a column, a drive shaft journaled in the column, an eccentric rotatably mounted upon the driving shaft, operating means for turning the eccentric upon the driving shaft, said driving shaft being provided with a driven and driving pulley, an upright carried upon the eccentric, a second shaft journaled in the upper portion of the upright, a driven and driving pulley mounted on said second shaft, a housing carried upon the column, a third shaft carried by the housing, belts connecting the pulley on the driving shaft with the pulley on the driven shaft and for connecting the driving pulley of the driven shaft with the pulley on the third shaft, means as between the column and the upright for providing a tension upon the belt driving the pulley on the third shaft, and means for adjusting said tensioning means.

2,202,426
BICYCLE STAND
Ewald F. Pawsat, Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated, a corporation of Kentucky
Refiled for abandoned application Serial No. 211,561, June 3, 1938. This application December 11, 1939, Serial No. 308,677
1 Claim. (Cl. 280—301)



A device of the character specified comprising a plate having an upper attaching section, a downwardly and outwardly inclined section on said upper section, said inclined section having a perforation, a standard bent to form an axial section adapted to fit through said perforation, a grooved channel extending from said perforation downwardly in its outer surface to the edge of said section, a second grooved channel in its outer surface extending from said perforation rearwardly and substantially horizontally to the edge of said section, a downwardly disposed section on said upper section substantially at right angles to said inclined section, the lower end of said downwardly disposed section being bent to form a cylindrical bearing contiguous to and in alignment with said perforation and arranged to receive the axial end of said standard, a coiled spring around the axial end of said standard inside said cylinder arranged to maintain the main section of said standard in contact with the outer surface of said inclined section and means for securing said plate to a vehicle.

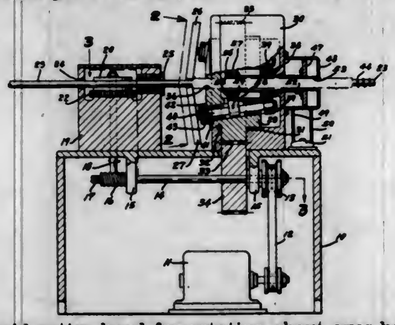
2,202,427
COMBINATION CLOTHES RACK AND LOCKER
Russell V. Polen, Dayton, Ohio, assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application July 17, 1937, Serial No. 154,265
Renewed July 6, 1939
9 Claims. (Cl. 312—106)



3. A unitary structure providing a combined clothes rack and locker device comprising in combination, a standard portion and a box-like portion supported thereupon, said box-like portion of said device being elongated and forming a sheltered space intermediate the top and bottom of said standard portion, said box-like portion including a plurality of walls dividing same into a row of locker compartments each having a door opening and a door for closing the opening, a support member secured to said device in the upper part of the sheltered space below the box-like portion thereof and having a plurality of coat or the like supporting units thereon, certain of said coat or the like supporting units including a hanger and a flexible element adapted to be extended through a sleeve or opening of a garment supported on said hanger, and an end of said flexible element being constructed and arranged to receive a lock adapted to be attached to a part of said box-like portion of said device for locking a locker compartment door and for locking the garment against removal from said structure.

2,202,428
MACHINE TOOL
Louis F. Poock, Dayton, Ohio, assignor to The Cimatool Company, Dayton, Ohio, a corporation of Ohio
Application June 29, 1939, Serial No. 281,788
6 Claims. (Cl. 29—1)

1. A machine of the character described for producing fins on an elongated work piece comprising feeding mechanism for advancing the work piece in the direction of its length, a cutter head in line with the longitudinal axis of the work piece and having a passage through which the work piece extends, cutters rotatably carried



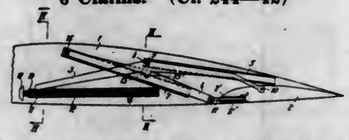
by said cutter head for rotation about axes having an angular inclination to the axis of the work piece, means for rotating the cutter head about the axis of the work piece and for rotating the cutters about their own axes in timed relation, and means operable to simultaneously move said cutters in the direction of their own axes.

2,202,429
CONTROL APPARATUS
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application July 5, 1938, Serial No. 217,367
12 Claims. (Cl. 74—100)



1. In a snap acting device, a snap member; a fulcrum for the member; a flipper; a pivot for the flipper; lost motion connecting means for connecting the free end of the flipper with the fulcrumed member; resilient means connected to the flipper for snap actuating the flipper, the fulcrum for the said member being disposed intermediate the flipper pivot and the point of connection of the resilient means with the flipper; and means for moving the resilient means with respect to the said pivot and fulcrum.

2,202,430
MEANS FOR SHIFTING FLAPS ON AIRCRAFT
Hans Rebeski, Brandenburg, Germany, assignor to Arado Flugzeugwerke Gesellschaft mit beschraenkter Haftung, Brandenburg, Germany, a company of Germany
Application December 30, 1938, Serial No. 248,612
In Germany January 25, 1938
6 Claims. (Cl. 244—42)



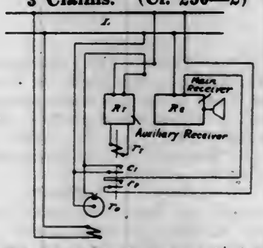
1. In an aeroplane, the combination with a main wing of a flap adapted to be protruded from said main wing and to be automatically swung downwards about an axis transverse to the direction of flight of the aeroplane, two double-armed levers pivotally connected with one another at their central portions and each operatively connected at one end to said flap, a guide in said main wing, a pin at about the central portion of one of said levers, said pin being movable in said guide, actuating means located in the main wing and connected to the second end of said lever, a second guide in said main wing, the second end of the second of said levers being guided for movement in said second guide, the connection of the first end of said second lever with the flap being movable.

2,202,431
MANUFACTURE OF PAPER BAGS
Karl Rohrbacher, Berlin, Germany
Application July 13, 1937, Serial No. 153,426
In Germany July 18, 1936
14 Claims. (Cl. 93—28)



7. For producing paper bags with block bottoms, the combination of a pair of feed rollers arranged to engage a flattened paper tube at a point spaced from one end thereof and to feed the tube in a direction transversely to its length, a pair of suction members arranged to rotate in opposite directions coaxially and in unison with said feed rollers for opening the leading part of the flattened tube at one end, a pair of grippers arranged at an inclination to the direction of feed of the tube and rotatable in opposite directions, so as to engage and force the sides of the tube apart and form a pocket at said leading part having a side in the form of a right-angled isosceles triangle, and rollers having their axes extending in a plane at right angles to the direction of feed and to the plane of the flattened tube and arranged to flatten the pocket formed by the grippers, to bend up the sides of the flattened tube adjacent the pocket at right angles to the plane of the flattened tube and form and flatten a corresponding pocket at the rear part of the tube end.

2,202,432
CONTROL MEANS FOR A RADIO RECEIVER
Gianfranco Santucci, Rome, Italy
Application September 21, 1937, Serial No. 164,932
In Italy October 6, 1936
3 Claims. (Cl. 250—2)



1. A device for effecting a control operation by radio which comprises, a receiver, means for pe-

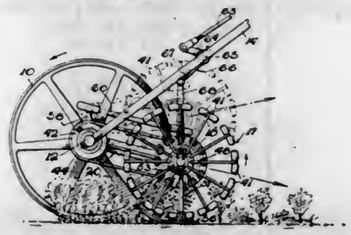
riodically rendering said receiver operative for short periods and inoperative for longer periods in between said short periods, a relay device fed from said receiver and arranged to be operated by the occurrence of modulation at a predetermined frequency in a received signal to maintain said receiver in an operative condition independently of said periodic operating means, and means for effecting the desired control operation dependent upon the uninterrupted reception of said predetermined modulation frequency for a minimum time period which is longer than the normal short operative period of said receiver.

2,202,433

PLANT THINNING MACHINE

August Schumacher, Brookline, Mass.

Application September 15, 1939, Serial No. 295,146
10 Claims. (Cl. 97—21)



1. A plant thinning machine comprising a shaft having a pair of supporting handles secured thereto, a sleeve rotatably mounted on the shaft, a ground engaging wheel secured to said sleeve, a second shaft spaced from the first shaft, a second sleeve rotatably mounted on said second shaft, a driven member secured to said second sleeve, means including a friction clutch for drivably connecting said driven member and said first named sleeve, a drum connected with the driven member and provided with a plurality of cooperating pairs of arms extending from the peripheral portion thereof in a direction parallel to said second shaft, a pair of thinning members pivotally mounted intermediate their ends between each cooperating pair of arms, each of said thinning members having their inner ends extended toward said second shaft, a circular cam secured to said second shaft and having a portion positioned between the inner ends of all of the cooperating pairs of said thinning members, resilient means normally urging apart the outer ends of each cooperating pair of thinning members and maintaining the inner ends of said members in contact with said cam, and means on said cam for spreading apart the inner ends of said members during a portion of each revolution of the drum in response to movement of said wheel over the ground and causing the outer ends of said members to be frictionally engaged.

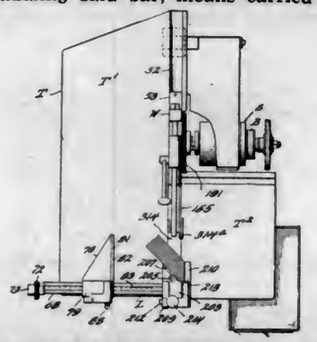
2,202,434

COMPOSING ROOM SAW

Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders Incorporated, Elizabeth, N. J., a corporation of New Jersey

Original application May 21, 1936, Serial No. 81,069. Divided and this application March 12, 1937, Serial No. 130,604
19 Claims. (Cl. 29—69)

1. A machine of the character described in combination, a saw, a table having a groove parallel to the cutting plane of said saw and a slide therein, a pica gauge bar rigidly secured to the top face of said slide at the front end thereof and extending at right angles thereto, a miter block having a work contacting surface, means to removably secure the block to the slide and straddling said bar, means carried by the



block and movable from operative to inoperative position and adapted when in operative position to engage and position the ends of the pieces of work, and means on the slide to clamp the work against said work contacting surface.

2,202,435

PROCESS FOR THE PRODUCTION OF VIRUS VACCINE FOR TREATMENT OF CANINE DISTEMPER

Hideo Mark Shoetensack, Shibuya-ku, Tokyo-shi, Japan

No Drawing. Application September 24, 1936, Serial No. 102,440. In Japan December 9, 1935
12 Claims. (Cl. 167—78)

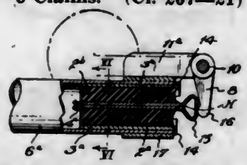
1. A process for the preparation of canine distemper vaccine which comprises isolating and preparing a pure culture of the filtrable micro-organisms *Asterococcus canis*, types I and II from a distemper infected source, inoculating a solid blood agar nutrient medium therewith, incubating said culture upon said solid medium, then adding a mixture of blood-digested broth, meat digested broth and an alkaline solution of cystine in glycerine to said mass, further incubating said organisms therein, then separating said liquid and solid media, filtering the liquid medium and adding to the filtrate a phenol-Brilliant green solution of a strength sufficient to kill the micro-organisms and to preserve the filtrate while maintaining its antigenicity.

2,202,436

SPRINGING ARRANGEMENT

Oscar Siebler, Zwickau, and Walter Boxan, Zschopau, Germany, assignors to Auto Union Aktiengesellschaft, Chemnitz, Germany

Original application August 25, 1936, Serial No. 97,856. Divided and this application March 23, 1938, Serial No. 197,736. In Germany August 28, 1935
5 Claims. (Cl. 267—21)



1. A springing arrangement for a wheel of a vehicle including a frame, a bracket mounted on the frame, a wheel carrying link member journaled in the bracket and having an arm, a plate-like member extending along said frame and having an enlargement adjacent the free end of said arm, a rubber member attached to a face of said plate-like member and another surface of the rubber member being adapted to be held by said frame, whereby the free end of the arm slidably engages said enlargement and the shear resistance of the rubber member between the plate-like member and the frame opposes the springing of the wheel carrying link member.

2,202,437

HIGHER ALIPHATIC LACTONES AND THE PROCESS OF MAKING THEM

Max Stoll, Geneva, Switzerland, assignor, by mesne assignments, to Firmenich & Cie., Geneva, Switzerland

No Drawing. Application May 25, 1934, Serial No. 727,583. In Switzerland July 17, 1933
12 Claims. (Cl. 260—344)

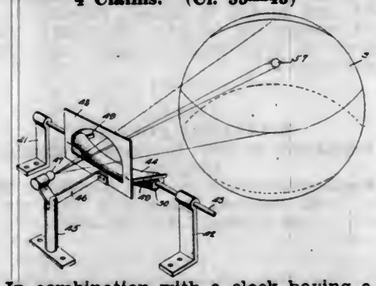
1. A process for making higher aliphatic lactones from hydroxycarboxylic acids of the form $OH.R.COOH$, where R is an acyclic hydrocarbon group containing a chain of at least ten carbon atoms, consisting in removing the elements of water from the acid at boiling temperature of the solution in use, the acid being in a strongly diluted state recovering the mono-meric lactones from the reaction product by extraction with appropriate solvents and finally fractionally distilling the lactones.

2,202,438

CLOCK DIAL AND MECHANISM

Charles Otis Tidler, Tipton, Ind.

Application May 13, 1938, Serial No. 207,803
4 Claims. (Cl. 35—43)



1. In combination with a clock having a casing, a dial rotatably mounted therein, time indicia about the dial, means for rotating said dial, said rotating means embodying a split ring gear and means adapted to spread the ends of the split ring gear at predetermined intervals increasing the diameter of the ring gear and compensating for the extra day every fourth year due to leap year, and means for rotating the ring gear.

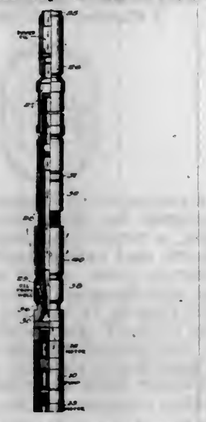
2,202,439

PUMPING APPARATUS

Edward Topanelian, Jr., Penn Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application August 9, 1938, Serial No. 223,913
9 Claims. (Cl. 103—40)

1. A deep well pumping apparatus comprising in combination a string of tubing, a vertically elongated pump casing attached to the tubing and adapted to be lowered into a well thereon, pumping means within the casing, the casing having an inlet passage communicating with said pumping means and the well, and an outlet passage communicating with said pumping means for discharging pumped liquid upward, a motor adjacent said pumping means for driving the pumping means, means for supplying power to the motor from the top of the well, protective



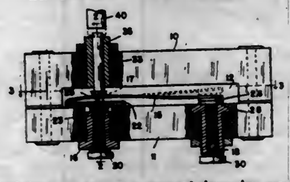
valve means for at least one of said passages, means for normally keeping said valve means in closed position when the motor is idle so as to prevent passage of foreign matter into the pump casing, and means constructed and arranged to apply power to said valve means to open the valve means substantially simultaneously with the starting up of the motor and pumping means so as to maintain the valve means continuously open while the motor and pumping means are running.

2,202,440

ELECTRICAL SWITCHING MEANS

Ralph H. Beach, Ann Arbor, Mich.

Application August 7, 1937, Serial No. 157,973
11 Claims. (Cl. 200—67)



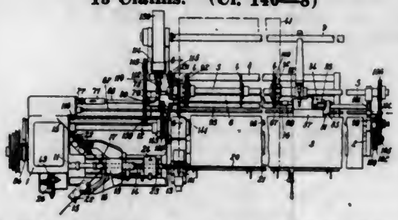
1. Switching means comprising in combination with a support and a resilient elongated switch blade secured at its one end thereto and free at its other end to move to make and break an electrical connection, said blade having a deformed area near its secured end offset out of plane, spaced means supporting one face of said blade on either side of said deformed area, said supporting means being substantially aligned transversely of the blade with the deformed area, means including a presser member bearing against the other face of the blade within said deformed area and movable to throw the free end of the blade in a desired direction, and means blocking movement of said presser member beyond a predetermined position, to protect the deformed area of the blade against undesired further distortion.

2,202,441
PHOTOELECTRIC EXPOSURE METER WITH SEVERAL RANGES OF MEASUREMENT
Albrecht Bernhard and Guido Beyrich, Nuremberg, Germany, and Manfred Aron, Vienna, Austria, assignors to Metrawatt Aktiengesellschaft, Fabrik Elektrischer Messgeraete, Nuremberg, Germany, a German company
Application November 17, 1937, Serial No. 175,162
In Germany November 2, 1934
5 Claims. (Cl. 88—23)



1. In a photoelectric exposure meter, a casing, a substantially flat photoelectric element within the casing, a meter connected to the photoelectric element, said casing having openings therein of different areas, one of said openings being arranged with the axis thereof substantially parallel with respect to the flat photoelectric element, the other of said openings being arranged with the axis thereof substantially perpendicular to the photoelectric element, and the first mentioned opening being arranged intermediate the photoelectric element and the second mentioned opening.

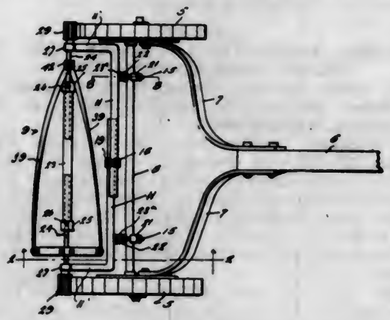
2,202,442
MANUFACTURE OF WIRE FABRIC
Arthur Ernest Blashill, Handsworth, Birmingham, England
Application February 6, 1939, Serial No. 254,944
In Great Britain February 7, 1938
13 Claims. (Cl. 140—8)



1. Machine for manufacturing wire fabric of quadrangular or square mesh comprising in combination a coiling worm in which lengths of wire fed from two sources are wound into zigzag form, a flat rotary former bar upon which the wire is wound for threading through the last rows of mesh of the finished fabric, means engageable within the outer meshes of the fabric and means adapted to bend back the barbed ends of the fabric while the latter is engaged by the first said means, the latter being adapted to form an abutment for the bending operation and the said wire engaging means comprising toothed or star wheels with which the wire meshes engage like a chain and sprocket, where the fabric constitutes the chain.

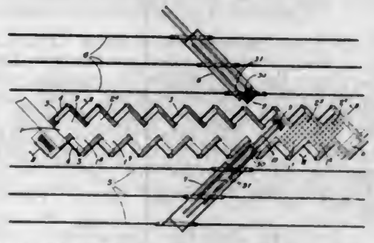
2,202,443
MOWER ATTACHMENT
James P. Byrne, Jr., Woodstock, N. Y., assignor of one-half to Robert J. Dwyer, New York, N. Y.
Application March 30, 1939, Serial No. 265,031
1 Claim. (Cl. 56—238)

A cutter reel assembly for attachment to a lawn mower having ground wheels and a transverse frame bar, said assembly comprising a reel-carrying frame including side arms, clamps on said frame for attaching the same to said bar, a cutter reel comprising a pair of flexible cutter bars opposed in spiralling relation, and means to mount said bars in said frame for flexing to vary the pitch thereof comprising a pair of stub shafts endwise slidable and rotatable in said arms, respectively, independently, a pair of cross arms fast on said shafts, respectively, and having the ends of said cutter bars fixed thereto whereby under endwise sliding and rotary adjustment of



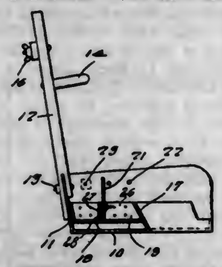
said shafts in opposite directions into different set positions, said blades may be twisted to vary the pitch thereof, means to lock said shafts together for unitary rotation to revolve said blades and against movement from set position comprising a tubular sleeve extending between said shafts and in which the latter are slidable and rotatable independently of each other and of said sleeve, said sleeve being provided with set screws therein for clampingly engaging said shafts, and means to impart rotation to said shafts comprising a pair of rollers thereon adapted to frictionally engage said wheels, respectively.

2,202,444
ROASTING FURNACE
Emmanuel De Rey, Berchem (Antwerp), Belgium
Application November 29, 1939, Serial No. 306,747
In Belgium January 3, 1939
14 Claims. (Cl. 266—20)



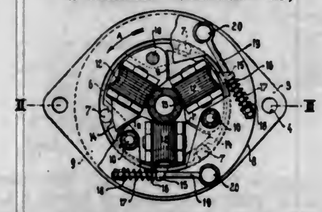
1. In a roasting plant, the combination with a furnace structure comprising a succession of interconnected chambers arranged zigzag fashion at the same level, a door for each of said rooms, the doors of alternate rooms opening to one side of said structure and the doors of the other rooms opening to the other side of said structure, with impeller means on both sides of said structure for moving a charge of ore from any of said rooms to the next room.

2,202,445
INSECT DESTROYER
John Rufus Diffinbaugh, Oldtown, Md.
Application July 10, 1939, Serial No. 283,699
3 Claims. (Cl. 43—134)



1. An insect destroyer comprising a pan including a pair of forwardly extending spaced parallel pan sections adapted to straddle a plant row, an insecticide receptacle rearwardly of said pan sections, a transversely extending partition separating the pan sections from the receptacle, said partition being inclined upwardly and rearwardly to facilitate passage of the insects from the pan sections into the receptacle.

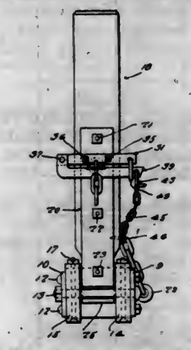
2,202,446
PIPE GRIP
Cornelis J. Esseling, Haarlem, Netherlands, assignor to N. V. Gebr. Stork & Co's Fabriek van Hijschwerktuigen, Haarlem, Netherlands, a company of the Netherlands
Application November 7, 1939, Serial No. 303,298
In the Netherlands November 29, 1938
2 Claims. (Cl. 255—23)



1. In combination with a rotary table, a support associated with said table to follow rotary movement thereof, a chuck rotatably mounted in said support and carrying a plurality of pipe grips each comprising, in addition to a bracket mounted for swinging motion about an axial axis, of at least one roller mounted in said bracket for rotation about a tangential axis, wedging means for causing said pipe grips to swing about their axes into holding engagement with drill pipe extending through said table, and a spring element tending to bring about said wedging action.

2,202,447
CHAIN LOCKING MEANS
Joseph Fermanick, Neopit, Wis.
Application March 7, 1939, Serial No. 260,393
3 Claims. (Cl. 24—116)

2. A chain locking device comprising an elongated upper locking bar, means for fastening said upper bar to a support, one end of the bar being offset, a lower elongated locking bar having one end bent at right angles, a pivot pin pivotally connecting the upper end of said bent end to the offset end of the first bar and a ring pivotally connected with that end of the first bar which is opposite the offset portion and fitting over the adjacent end of the second bar for holding the second bar in chain holding position against the first bar, the first bar having recesses formed in its side faces in an intermediate part thereof and at the lower edge thereof,

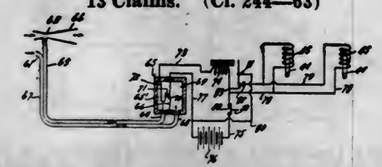


said recesses forming a reduced elongated portion for engaging a part of the chain and the upper edge of the second bar having recesses in its faces forming a central reduced portion which is located opposite the reduced portion of the first bar.

2,202,448
PROCESS OF PREPARING HIGHER LACTONES CONTAINING AT LEAST 11 CARBON ATOMS AND AT LEAST 2 HETEROCYCLICALLY BOUND OXYGEN ATOMS IN THE LACTONE RING
Roger Firmenich, Geneva, Switzerland, assignor to firm Firmenich and Cie., Successors of Societe Anonyme M. Naef & Cie., Geneva, Switzerland
No Drawing. Application September 25, 1935, Serial No. 42,142. In Germany September 28, 1934
12 Claims. (Cl. 260—344)

1. A method of preparing the lactone of the monoether of diethyleneglycol-(11-hydroxyundecanoic acid-1) consisting in slowly adding this ether to the reflux of a benzene solution of benzenesulfonic acid, distilling off the water-benzene mixture which forms, washing the solution with water and an alkali, distilling off the benzene in a vacuum, extracting the lactone from the residues by means of a lactone solvent, and finally rectifying the lactone by vacuum distillation.

2,202,449
TAKE-OFF CONTROL AND METHOD
Reuben H. Fleet, William B. Wheatley and Isaac M. Laddon, San Diego, Calif.
Original application April 24, 1937, Serial No. 138,844. Divided and this application October 18, 1938, Serial No. 235,670
13 Claims. (Cl. 244—63)



2. In an airplane having means to lock it to a vehicle comprising a source of current, electromagnetic means for effecting release of the air-

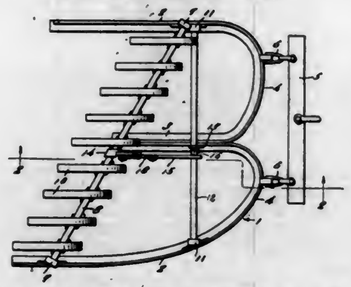
plane from the vehicle, means for connecting the source of current and the electromagnetic means, a switch for controlling the flow of current to the electromagnetic means comprising contacts movable relative to each other, means to cause such relative movement of the contacts depending on the air speed, and means to adjust the initial distance between the contacts to prevent closing of the contacts until a predetermined air speed is reached.

2,202,450

DIGGER IMPLEMENT

Theodore Halgrimson, Fountain, Minn.

Application January 7, 1939, Serial No. 249,801
1 Claim. (Cl. 55—104)



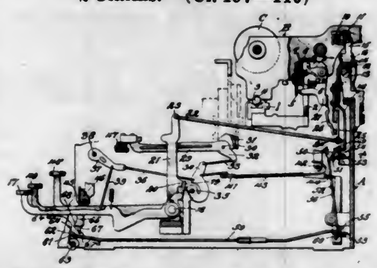
In a ground working implement of the class described, a bar-like frame having an open rear end, digger means on said frame comprising a rock shaft mounted on the frame to extend diagonally across the same, a plurality of convolute digger tines fixed to said shaft in laterally spaced relation for variable adjustment in the ground under rocking of said shaft, said tines trailing from the shaft in planes at oblique angles to the axis of the shaft, and means to rock said shaft including a second rock shaft journaled on said frame at a normal angle to the sides of the frame, a crank arm upstanding from said second shaft, a hand lever fixed to and upstanding from the first-mentioned rock shaft, a link pivotally connected adjacent opposite ends thereof to said arm and lever, respectively, a toothed detent segment upstanding from the link alongside said lever, and a detent bolt on said lever engageable with the teeth of said rack at will.

2,202,451

TYPEWRITING MACHINE

Henry Joseph Hart, West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Application December 21, 1938, Serial No. 247,079
2 Claims. (Cl. 197—110)



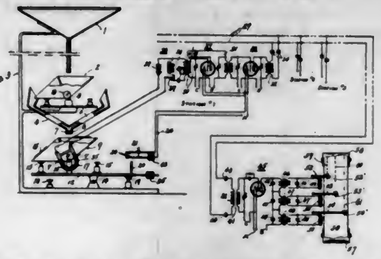
1. In a typewriter; a travelling carriage; a plurality of key levers; and line lock mechanism for said levers comprising a plurality of abutments respectively rigid with and depending from the key levers, the abutments being horizontally aligned with each other and each having a horizontal bottom edge and a receding edge portion inclined directly from its juncture with said bottom edge upwardly and inwardly toward the juncture of the abutment with the key lever, said receding edge portion intersecting said horizontal bottom edge and forming therewith an acute angle with a sharp line edge at its vertex, a stop plate pivoted to rock about a horizontal axis below the abutment bottom edges, the plate being movable to a position in which its top edge is disposed out of the downward path of said abutments, and to a second position in which its top edge is disposed below and in the path of said abutment horizontal bottom edges, the plate being movable to said second position and with its top edge over the receding edge of an abutment on a key lever depressed previously to such movement of the plate, said plate having a sharp line top corner edge positioned to be leading when the plate is being moved to said second position whereby chance of blocking of the plate's movement to said second position by a partially depressed key lever is minimized and substantially eliminated, and means responsive to carriage travel for moving said plate to said second position.

2,202,452

SYSTEM FOR DETERMINING QUANTITIES OF RAINFALL OVER LARGE GEOGRAPHICAL AREAS

Carl Hildabrand, Manila, P. I.

Application November 3, 1936, Serial No. 109,052
21 Claims. (Cl. 177—351)



1. In a system for determining the quantity of rainfall over wide geographical areas, a multiplicity of rain gauge stations, a central observing and recording station, a transmission system interconnecting said rain gauge stations with said central observing and recording station, means at each of said rain gauge stations responsive to a partial unit depth of rainfall for impressing signaling energy on said transmission system, separate means at each of said rain gauge stations operative upon each unit depth of rainfall for modulating the signal energy impressed upon said transmission system with a characteristic distinguishing each of said rain gauge stations, and means at said central observing and recording station for selectively registering the modulated signals transmitted from each of said rain gauge stations for determining by the registered impulses the unit depths of rainfall at each of the rain gauge stations.

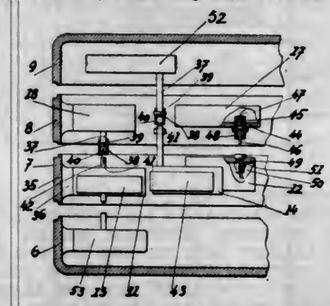
2,202,453

MEANS FOR DETERMINING THE SHOOTING ELEMENTS OF MOVING TARGETS

István Juhász, Budapest, Hungary

Application December 13, 1937, Serial No. 179,623
In Hungary December 30, 1936
3 Claims. (Cl. 73—151)

1. Apparatus for determining the shooting data of moving targets, more particularly of flying targets, comprising a casing formed of a plurality of readily separable sections, a plurality of instrument units for determining the individual values of the various quantities upon which the shooting data depend, the instrument units being lodged in the casing upon the various sections thereof, and couplings carried by cer-



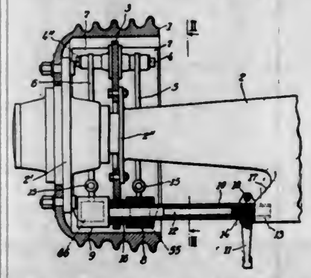
tain instrument units in different sections adapted to separate and unite automatically when the sections are separated and assembled, whereby values ascertained by instrument units lodged in different sections can be transmitted to instrument units lodged in other sections to formulate the data on the basis of which these other instrument units determine other values.

2,202,454

BRAKE MECHANISM

Egon Kaufmann, Mannheim, Germany

Application November 4, 1938, Serial No. 238,899
In Germany November 27, 1937
3 Claims. (Cl. 188—79)



1. A brake mechanism for the wheels of road vehicles, comprising a brake drum, duplicate pairs of brake shoes for the drum, shafts at least one of which is resilient to torsional forces, operatively connected to the individual pairs of brake shoes, means for holding the two shafts against relative rotation at one point, and a brake lever for operating the two shafts in unison.

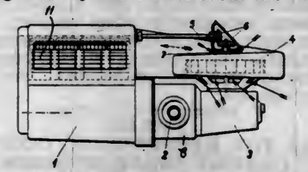
2,202,455

BLOWER ARRANGEMENT IN AIR-COOLED MOTORS

Miloš Klavík, Prague-Smichov, Czechoslovakia

Application February 28, 1939, Serial No. 259,050
In Czechoslovakia February 4, 1938
2 Claims. (Cl. 123—171)

1. In combination with an air-cooled motor for an automobile with cylinders in line, an overhead valve cam-shaft for the motor, a change-speed gear box attached to said motor, a blower mounted directly on and above said change-speed gear box with its central plane at right angles to the plane of the cylinders and an extension for driving directly the blower from the overhead



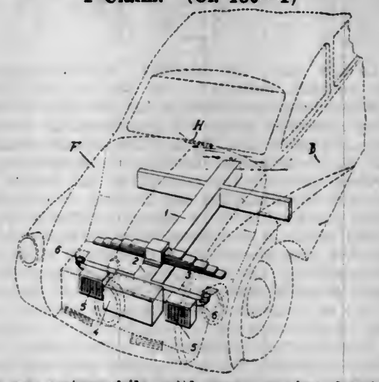
cam-shaft of the motor, said blower having its air intake adjacent said gear box.

2,202,456

AUTOMOBILE BODY

Miloš Klavík, Prague, Czechoslovakia

Application December 20, 1938, Serial No. 246,916
In Czechoslovakia August 24, 1937
1 Claim. (Cl. 180—1)



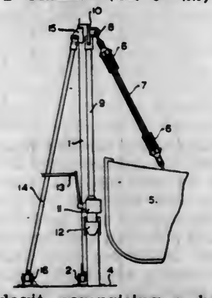
In an automobile with rear engine having a main body part and a front box part hinged on the main body, a transverse bearer carried on a longitudinal chassis member, accessory components carried on the transverse bearer and resilient buffers mounted on both ends of the transverse bearer on which the hinged front part of the body rests when it is in its lowered position.

2,202,457

LUFFING DAVIT

Marinus C. Le Geu, Hamburg, Germany, assignor to Ane Pieter Schat, Utrecht, Netherlands

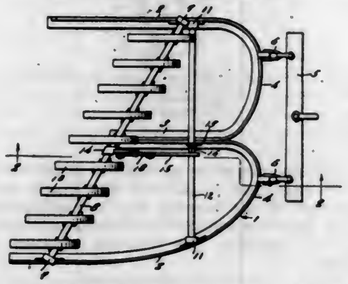
Application September 27, 1938, Serial No. 231,983
In Germany September 30, 1937
1 Claim. (Cl. 9—22)



A luffing davit comprising a boom pivotally connected to a ship's deck, means for suspending a life boat from the top end of said boom, an element engaging the top end of said boom

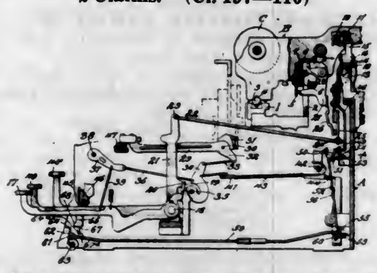
plane from the vehicle, means for connecting the source of current and the electromagnetic means, a switch for controlling the flow of current to the electromagnetic means comprising contacts movable relative to each other, means to cause such relative movement of the contacts depending on the air speed, and means to adjust the initial distance between the contacts to prevent closing of the contacts until a predetermined air speed is reached.

2,202,450
DIGGER IMPLEMENT
Theodore Halgrimson, Fountain, Minn.
Application January 7, 1939, Serial No. 249,801
1 Claim. (Cl. 55—104)



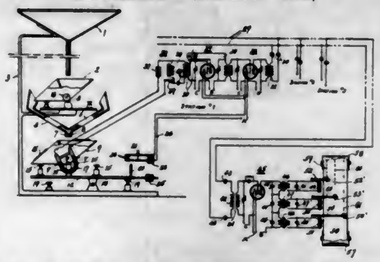
In a ground working implement of the class described, a bar-like frame having an open rear end, digger means on said frame comprising a rock shaft mounted on the frame to extend diagonally across the same, a plurality of convolute digger tines fixed to said shaft in laterally spaced relation for variable adjustment in the ground under rocking of said shaft, said tines trailing from the shaft in planes at oblique angles to the axis of the shaft, and means to rock said shaft including a second rock shaft journaled on said frame at a normal angle to the sides of the frame, a crank arm upstanding from said second shaft, a hand lever fixed to and upstanding from the first-mentioned rock shaft, a link pivotally connected adjacent opposite ends thereof to said arm and lever, respectively, a toothed detent segment upstanding from the link alongside said lever, and a detent bolt on said lever engageable with the teeth of said rack at will.

2,202,451
TYPEWRITING MACHINE
Henry Joseph Hart, West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application December 21, 1938, Serial No. 247,079
2 Claims. (Cl. 197—110)



1. In a typewriter; a travelling carriage; a plurality of key levers; and line lock mechanism for said levers comprising a plurality of abutments respectively rigid with and depending from the key levers, the abutments being horizontally aligned with each other and each having a horizontal bottom edge and a receding edge portion inclined directly from its juncture with said bottom edge upwardly and inwardly toward the juncture of the abutment with the key lever, said receding edge portion intersecting said horizontal bottom edge and forming therewith an acute angle with a sharp line edge at its vertex, a stop plate pivoted to rock about a horizontal axis below the abutment bottom edges, the plate being movable to a position in which its top edge is disposed out of the downward path of said abutments, and to a second position in which its top edge is disposed below and in the path of said abutment horizontal bottom edges, the plate being movable to said second position and with its top edge over the receding edge of an abutment on a key lever depressed previously to such movement of the plate, said plate having a sharp line top corner edge positioned to be leading when the plate is being moved to said second position whereby chance of blocking of the plate's movement to said second position by a partially depressed key lever is minimized and substantially eliminated, and means responsive to carriage travel for moving said plate to said second position.

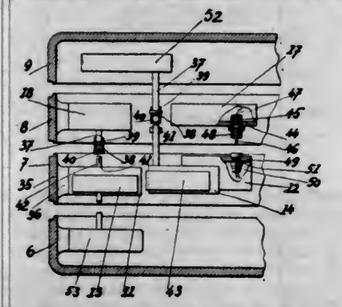
2,202,452
SYSTEM FOR DETERMINING QUANTITIES OF RAINFALL OVER LARGE GEOGRAPHICAL AREAS
Carl Hildabrand, Manila, P. I.
Application November 3, 1936, Serial No. 109,052
21 Claims. (Cl. 177—351)



1. In a system for determining the quantity of rainfall over wide geographical areas, a multiplicity of rain gauge stations, a central observing and recording station, a transmission system interconnecting said rain gauge stations with said central observing and recording station, means at each of said rain gauge stations responsive to a partial unit depth of rainfall for impressing signaling energy on said transmission system, separate means at each of said rain gauge stations operative upon each unit depth of rainfall for modulating the signal energy impressed upon said transmission system with a characteristic distinguishing each of said rain gauge stations, and means at said central observing and recording station for selectively registering the modulated signals transmitted from each of said rain gauge stations for determining by the registered impulses the unit depths of rainfall at each of the rain gauge stations.

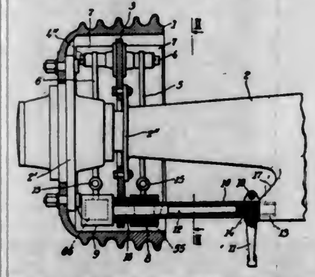
2,202,453
MEANS FOR DETERMINING THE SHOOTING ELEMENTS OF MOVING TARGETS
István Juhász, Budapest, Hungary
Application December 13, 1937, Serial No. 179,623
In Hungary December 30, 1936
3 Claims. (Cl. 73—151)

1. Apparatus for determining the shooting data of moving targets, more particularly of flying targets, comprising a casing formed of a plurality of readily separable sections, a plurality of instrument units for determining the individual values of the various quantities upon which the shooting data depend, the instrument units being lodged in the casing upon the various sections thereof, and couplings carried by cer-



tain instrument units in different sections adapted to separate and unite automatically when the sections are separated and assembled, whereby values ascertained by instrument units lodged in different sections can be transmitted to instrument units lodged in other sections to formulate the data on the basis of which these other instrument units determine other values.

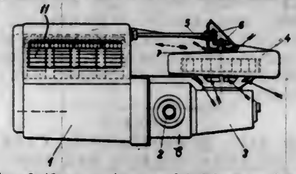
2,202,454
BRAKE MECHANISM
Egon Kaufmann, Mannheim, Germany
Application November 4, 1938, Serial No. 238,899
In Germany November 27, 1937
3 Claims. (Cl. 188—79)



1. A brake mechanism for the wheels of road vehicles, comprising a brake drum, duplicate pairs of brake shoes for the drum, shafts at least one of which is resilient to torsional forces, operatively connected to the individual pairs of brake shoes, means for holding the two shafts against relative rotation at one point, and a brake lever for operating the two shafts in unison.

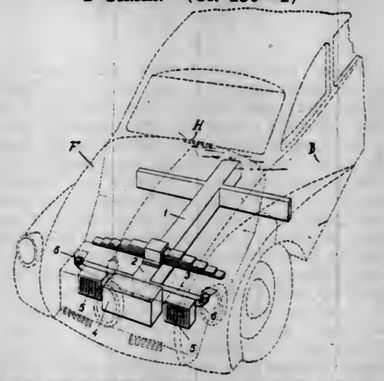
2,202,455
BLOWER ARRANGEMENT IN AIR-COOLED MOTORS
Miloš Klavík, Prague-Smichov, Czechoslovakia
Application February 28, 1939, Serial No. 259,050
In Czechoslovakia February 4, 1938
2 Claims. (Cl. 123—171)

1. In combination with an air-cooled motor for an automobile with cylinders in line, an overhead valve cam-shaft for the motor, a change-speed gear box attached to said motor, a blower mounted directly on and above said change-speed gear box with its central plane at right angles to the plane of the cylinders and an extension for driving directly the blower from the overhead



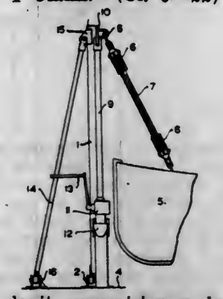
cam-shaft of the motor, said blower having its air intake adjacent said gear box.

2,202,456
AUTOMOBILE BODY
Miloš Klavík, Prague, Czechoslovakia
Application December 20, 1938, Serial No. 246,916
In Czechoslovakia August 24, 1937
1 Claim. (Cl. 180—1)



In an automobile with rear engine having a main body part and a front box part hinged on the main body, a transverse bearer carried on a longitudinal chassis member, accessory components carried on the transverse bearer and resilient buffers mounted on both ends of the transverse bearer on which the hinged front part of the body rests when it is in its lowered position.

2,202,457
LUFFING DAVIT
Marinus C. Le Geu, Hamburg, Germany, assignor to Ane Pieter Schat, Utrecht, Netherlands
Application September 27, 1938, Serial No. 231,983
In Germany September 30, 1937
1 Claim. (Cl. 9—22)



A luffing davit comprising a boom pivotally connected to a ship's deck, means for suspending a life boat from the top end of said boom, an element engaging the top end of said boom

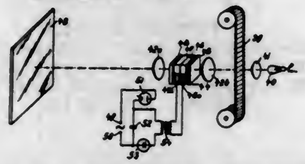
and adapted when operated to positively urge said boom inward or outward, and a lateral brace connected to said boom, said element and said brace being arranged in offset relation with the boom in such a manner that the torsional and bending moments acting upon said boom under the influence of a boat suspended therefrom are substantially nil.

2,202,458

DEVICE FOR REPRODUCING CINEMATOGRAPHIC IMAGE RECORDS

Rudolf Levy, Berlin-Halensee, Germany

Application September 22, 1936, Serial No. 101,918
In Germany September 30, 1932
5 Claims. (Cl. 88—17)



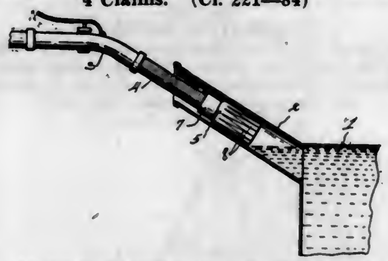
1. Device for reproducing cinematographic image records, especially on disc or cylindrical record carriers, particularly for amateur cinema use, by optically stopping continuously moving series of images and thus momentarily making visible the successive individual images to be projected, said device consisting of means for constantly illuminating the images, a transparent flat plate or layer of electro-optically active material which is arranged between two polarizing sheets, two sheet-like transparent electrodes for controlling the instantaneous transmission of light of said material by means of electrical impulses of very short duration, means for producing such impulses by condenser discharges, of a frequency corresponding to the desired rate of image-change, all said sheets and electrodes being inserted in the path of the rays of the projection light between the image carrier and the projection screen.

2,202,459

EXPANSIBLE HOSE NOZZLE

William H. Link, Los Angeles, Calif., assignor of forty-nine per cent to Edward V. Jones, Los Angeles, Calif.

Application July 8, 1939, Serial No. 283,493
4 Claims. (Cl. 221—84)



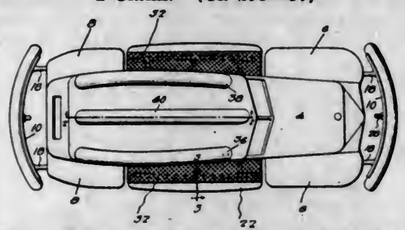
1. As an attachment for the nozzle of a fluid dispensing hose, a tubular body of flexible material formed at one end to provide a collar adapted to encircle the end of the hose nozzle and formed throughout the major portion of its length from said collar to the other end of gradually decreasing thickness, the said portion of gradually decreasing thickness being of greater softness and flexibility than the collar portion whereby an internal pressure set up in the body portion will effect an overall increase in the diameter thereof.

2,202,460

SHOCK ABSORBER FOR MOTOR VEHICLES

Frank F. Maciel, Antioch, Calif.

Application November 20, 1937, Serial No. 175,721
1 Claim. (Cl. 293—57)



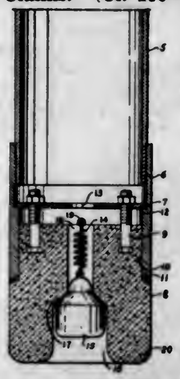
In combination with a motor vehicle having side running boards and a top structure, a longitudinally extending pneumatic bumper guard mounted adjacent each running board, a longitudinally extending pneumatic bumper guard on the top structure adjacent each side thereof, a longitudinally extending pneumatic bumper guard on the top structure disposed centrally thereof, said pneumatic bumper guards projecting beyond the surfaces of the motor vehicle.

2,202,461

DETACHABLE FLOAT PLUG

Gerald J. Nash, Wichita Falls, Tex.

Application November 1, 1937, Serial No. 172,263
12 Claims. (Cl. 166—9)



1. In combination with well casing and a casing shoe, of a valved non-metallic detachable plug fitted to the lower end of the casing shoe, means for engaging the casing shoe, and a detachable fastening connecting said engaging means with the plug.

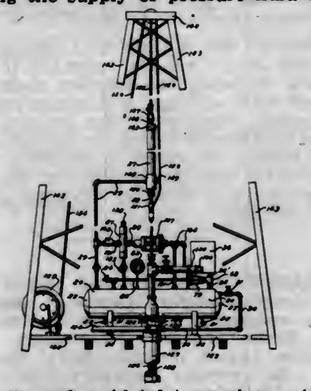
2,202,462

MEANS FOR INTERMITTENTLY CONTROLLING THE FLOW OF FLUIDS

Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas

Substitute for abandoned application Serial No. 133,312, March 27, 1937. This application November 7, 1938, Serial No. 239,348
25 Claims. (Cl. 103—232)

1. An intermittent control device for controlling the flow of a secondary fluid including, a conduit for the secondary fluid being controlled, a pressure fluid supply inlet, a pressure fluid reservoir for supplying pressure fluid, a pressure fluid accumulating chamber, a conductor connecting said reservoir with said chamber for conducting the pressure fluid from said inlet to said chamber, a metering device for controlling the flow of pressure fluid through said conductor, a cylinder having an air vent and an inlet opening therein, a pressure fluid operated plunger slidable within said cylinder and operated by the pressure fluid from said accumulating chamber, means in said conduit for admitting pressure fluid into said conduit, a control member connected to and operated by said plunger for controlling said pressure fluid admitting means to control the flow of said secondary fluid, a valve connected with said accumulating chamber and said cylinder for controlling the supply of pressure fluid to said



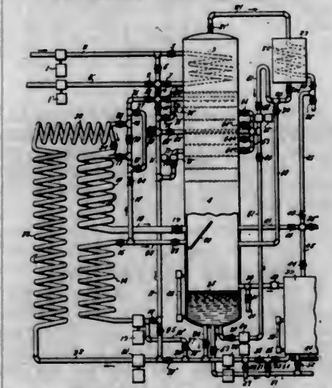
cylinder through said inlet opening, said valve being so arranged as to be actuated by a predetermined pressure of fluid within said chamber, means for controlling the operation of said valve and thereby the plunger operation, a cut-off valve for controlling the supply of pressure fluid from said reservoir to said metering device, and a release valve connected with said controlling valve and said conduit and having a diaphragm exposed to the secondary fluid and arranged to be operated by the pressure of said secondary fluid to release said pressure fluid from said control valve and said cylinder.

2,202,463

METHOD OF THERMOLYZING LIQUIDS

Alfred Oberle, Washington, D. C.; Grace Oberle administratrix of the estate of said Alfred Oberle, deceased

Application April 30, 1930, Serial No. 448,704
Renewed August 14, 1935
28 Claims. (Cl. 196—58)



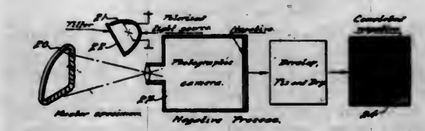
22. An apparatus for cracking oil which comprises means for heating oil under pressure, means for expanding said oil, means for intimately mixing said oil with hot molten metal to crack said oil, means for separating said hot molten metal from said cracked oil, means for reheating said separated molten metal, and means for returning said reheated molten metal to said mixing means.

2,202,464

PROCESS FOR GRAINING SURFACES OF IRREGULARLY SHAPED OBJECTS

Herbert J. Pattison, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application November 4, 1937, Serial No. 172,823
5 Claims. (Cl. 101—426)



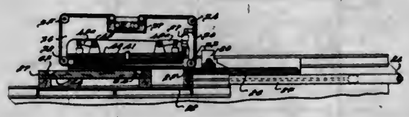
5. In the method of ornamenting objects having curved surfaces, the novel step of providing a master pattern of the object having the desired ornamentation on the surface thereof, reproducing the entire pattern and ornamentation on a graining plate by photographic methods, inking the graining plate and transferring the entire unbroken inked impression in a single transfer operation from the graining plate to the curved surface or surfaces of the object by offset printing methods by inflation of an elastic transfer member having the inked pattern thereon to bring said member in printing contact with the surface to be ornamented and regulating the inflating pressure to insure an intimate contact of the printing surface of the transfer member with the contours of said surface to be ornamented.

2,202,465

GRAINING MACHINE

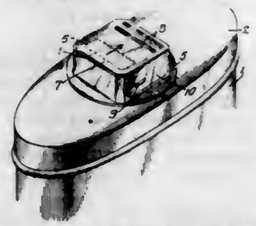
Herbert J. Pattison, Detroit, Mich.

Application January 29, 1938, Serial No. 187,623
13 Claims. (Cl. 101—41)



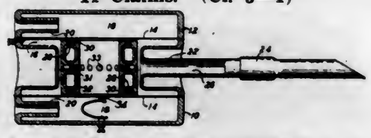
1. An offset printing press comprising a frame, a bed movable longitudinally of said frame, a printing member comprising an elastic belt extending above said bed and having a lower course lying in a plane substantially parallel to the plane of a pattern member mounted on said bed, means for inking said pattern member and transferring an inked pattern to the lower course of said belt upon movement of said bed, a fixture on the opposite end of said bed carrying a surface to be printed upon, an inflatable platen disposed above the lower course of said belt and adapted for vertical movement relative thereto, means for moving said platen to bring the lower course of said belt into intimate contact with the surface to be ornamented, and means for inflating said platen to force the lower course of said belt into intimate printing contact with the surface to be printed upon.

2,202,466
POWDER CAN CLOSURE
Gunnard P. Peterson, Naugatuck, Conn., assignor to The Risdon Manufacturing Company, Naugatuck, Conn., a corporation of Connecticut
Application April 19, 1938, Serial No. 202,828
1 Claim. (Cl. 221—62)



A powder can closure comprising a circular base having an attachment skirt and a substantially square-sectioned and flat-topped dome rising centrally and symmetrically from said base and provided with a powder outlet near its front edge and with indented cam-sloped grooves in its opposite side walls, said base and dome being wholly formed of sheet metal stamped to shape, in combination with a stamped sheet-metal sliding cover having a top area no greater than that of the dome and of substantially the same contour as said dome, and having square shoulders with vertical side flanges with instruck lugs engaging said grooves for slidingly confining the cover to the dome, said cover being flat on its front portion to close the powder outlet and said instruck lugs being located wholly in the front part of said cover vertically below such flat cover portion and occupying the lower parts of said cam-sloped grooves, short of the front ends thereof, when the cover is fully closed.

2,202,467
ARTIFICIAL LARYNX
Robert R. Riesz, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1936, Serial No. 92,107
11 Claims. (Cl. 3—1)



1. An artificial larynx comprising a case, larynx tone generating members in said case dividing it into three chambers, said members being spaced apart to define one of said chambers between them, means for actuating said members, a tube from said one chamber for conducting the tone generated to the mouth cavity of a user, and tubular means connecting each of the other chambers with the atmosphere.

2,202,468
BLADE MAGAZINE FOR RAZORS
Octavius V. Rodrigues, Fairfield, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application February 21, 1938, Serial No. 191,723
4 Claims. (Cl. 206—16)

1. A magazine for use with razors of the magazine type, said magazine comprising a casing, an ejector slide for successively feeding blades from a stack of the same, a container for holding a stack of blades, the rear end wall of the container rising to such a height that a gap is left between it and the top wall of the casing to permit the slide to pass therethrough, a spring for normally pressing the stack upwardly so that the topmost blade is in contact with the upper wall of the casing and in alignment with the said gap, the said slide being provided with means adapted normally to depress the stack, including the topmost blade, out of alignment with said gap, said means comprising a leaf spring extending in the direction of said gap, the said spring having at its end region a tapered portion projecting downwardly whereby the end of the spring may ride over the edge of the rear end wall in either direction of movement of the slide.

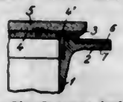


2,202,469
ELECTRIC DISCHARGE VESSEL
Hans Schedel, Stuttgart, Germany, assignor, by mesne assignments, to Erich F. Huth G. m. b. H., Berlin, Germany, a company
Application August 10, 1937, Serial No. 158,437
In Germany August 10, 1936
12 Claims. (Cl. 250—27.5)



1. An electric discharge vessel having in combination with a bulb, a cover comprising an insulating body, a metal annular flange projecting beyond the edge of said insulating body and fastened to said bulb, and a fusible seal which covers both said insulating body and all but a circumferential zone of said flange.

2,202,470
ELECTRON DISCHARGE TUBE
Hans Schedel, Stuttgart, Germany, assignor, by mesne assignments, to Erich F. Huth G. m. b. H., Berlin, Germany, a company
Application August 25, 1937, Serial No. 160,771
In Germany August 26, 1936
5 Claims. (Cl. 250—27.5)



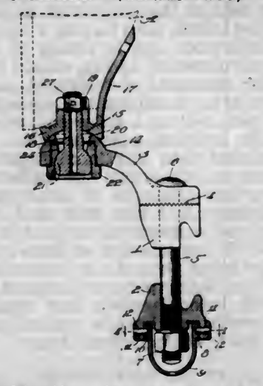
1. An electronic discharge tube having an open-ended metallic envelope, a metallic flange surrounding the open end of the envelope, a ceramic closing disc within said open end and resting on the open end of said envelope, and a vitreous seal covering said disc and flange.

2,202,471
TROLLEY CONTACTOR
Samuel S. Stolp, Louisville, Ky., and Rufus C. Sutton, Pittsburgh, Pa., assignors to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application March 20, 1939, Serial No. 262,900
6 Claims. (Cl. 246—254)

1. In a trolley contactor device provided with an insulated rigid conductor runway disposed parallel to a beam of insulating material; said runway being pivotally supported by said beam at one end only and yieldingly supported at the other end thereof, said device having an insulated contact member disposed on said beam; said runway having a contact member disposed remote to the pivotal end thereof and electrically connected therewith and coacting with the other contact member.



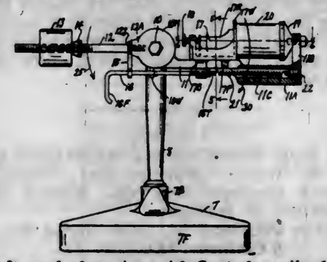
2,202,472
THEFTPROOF ROADLIGHT MOUNTING
Nils A. Tornblom, Chicago, and Irwin Meyer, Cicero, Ill., assignors to Appleton Electric Company, a corporation of Illinois
Application March 30, 1939, Serial No. 264,912
6 Claims. (Cl. 248—203)



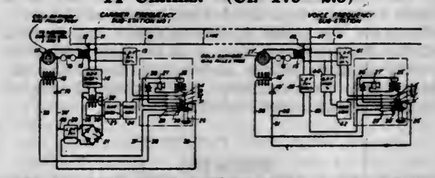
1. In combination, two members having complementary surfaces in the form of sections of a sphere in engagement with each other, one of said members having a bore of large diameter extending into the same from the side opposite said surfaces, a sleeve nut screwed into said bore, a bolt extending radially of the aforesaid surfaces through the interior of said nut and screwed at one end into the second of said members, said bolt having a head at the other end, and said nut having a portion of the bore therethrough in the form of a socket fitting the under side of the bolt head, the threads on the bolt and on the nut being oppositely handed.

2,202,473
DENTAL CASTING MACHINE
Archie P. Vickers, St. Paul, Minn.
Application October 14, 1937, Serial No. 168,922
3 Claims. (Cl. 22—65.1)

1. In a portable casting machine of the class described comprising a base with an integral upright standard, an elongated horizontal housing extending rearwardly from the upper part of the standard and comprising a hand-hold and in part a rotor shaft journal; a rotor shaft capable of limited longitudinal movement, the rear end of said housing being closed and bored to slidably retain the rear end of the rotor shaft projecting therethrough, a pair of diametrically opposite arms integral of the front end of said shaft, one arm a mold and crucible retainer and the other arm a counterweight therefor, a helical coil spring about said rotor shaft and having its forward end fixed in the housing, a clutch member rotatably mounted on said shaft and engaging the rear end of said spring, a clutch member keyed on the shaft and close to said first described clutch, said clutch means adapted to be engaged by forward movement of the rotor shaft to wind the rotor and its arms and coil the spring member as described.

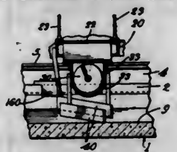


2,202,474
TELEPHONE SYSTEM
Edward Vroom, Ossining, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 4, 1939, Serial No. 249,230
14 Claims. (Cl. 179—2.5)



6. A multiparty telephone system comprising a plurality of channels at least one of which is a voice frequency channel and the remainder carrier frequency channels, providing individual line communication between a telephone central office and a plurality of subscribers' stations over a single line, a continuous low frequency supply to said line and means at each of said subscribers' stations to receive said low frequency and to transmit to said line a carrier current derived from said low frequency to call said central office.

2,202,475
GRIT COLLECTOR
Crozier S. Wileman, Chicago, Ill., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application March 10, 1937, Serial No. 130,010
15 Claims. (Cl. 210—3)



1. Means for separating heavy solids from liquid containing both heavy and light solids, comprising a settling tank adapted to contain the liquid to be treated, means, for positively agitating the entire body of the liquid to prevent settlement of the lighter solids, means for collecting the heavier settled solids, means for agitating the liquid and heavier solids to wash the lighter

solids from the heavy, and means for discharging the heavier solids from the system while retaining the lighter solids in the liquid, said means including a combined agitator and conveyor and means for propelling it bodily through the liquid at a rate of speed such that the entire body of liquid in the tank is maintained in a continuous state of agitation substantially greater than any possible agitation resulting from the flow of liquid through the tank.

2,202,476

COVER FOR DISPENSING REFRIGERATORS

Robert E. Baker, Muncie, Ind., assignor to Glascock Brothers Mfg. Co., Muncie, Ind., a corporation of Indiana

Application February 14, 1936, Serial No. 63,860
6 Claims. (Cl. 220—41)



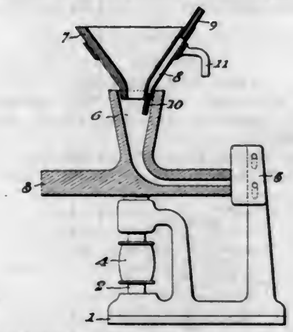
1. A container, having a plurality of dispensing openings therein, a sliding closure member for each of said openings, having a portion engaging edges of said openings on all sides and normally lying in the same plane, recessed track portions disposed on either side of said closure members and extending the combined length of said closure members and having cammed wells formed therein, and downwardly extending projections on the cover members operating in said track recesses cooperating with the cammed wells for raising one closure above the other and extending into said cammed wells when the cover members are in closed position.

2,202,477

PROCESS AND APPARATUS FOR USE IN THE MANUFACTURE OF STAPLE FIBERS

Richard Bartunek, Teltow-Seehof, and Alfred Maxton, Heinsberg, Rhineland, Germany, assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Application November 12, 1938, Serial No. 240,018
In Germany November 15, 1937
4 Claims. (Cl. 164—36)



1. An apparatus for use in the cutting of fibers comprising a rotatable centrifuge, a tapered funnel formed centrally of said centrifuge, a guiding channel formed in said funnel and centrifuge, said guiding channel extending radially to the periphery of said centrifuge, a stationary funnel operatively positioned with respect to said first mentioned funnel, an air channel formed within the wall of said stationary funnel for directing air into said guiding channel, and at least one cutting knife operatively positioned with respect to said centrifuge and guiding channel.

2,202,478

BLEACHING OF COTTON

Thomas E. Bell, Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 1, 1938, Serial No. 243,408
1 Claim. (Cl. 8—111)

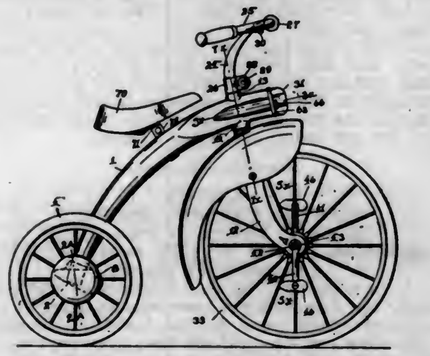
In the process of bleaching cotton in a kier with a bleach bath containing hydrogen peroxide, sodium silicate being also present in said bleach bath as an alkalining and buffering agent, the steps which comprise: bleaching said cotton goods positioned within a kier with said bleach liquor at an elevated temperature in the neighborhood of 180° F. for a period of five to eight hours, there being present approximately 40 gallons of bleach liquor per one hundred pounds of cotton goods; removing said cotton goods from said bleach bath at the completion of said bleaching, said used bleach bath having a hydrogen peroxide concentration not in excess of 10% of its original concentration; adding to said used bleach bath further amounts of hydrogen peroxide for the purpose of replenishing the peroxide concentration of said bath to a value equivalent to substantially its original concentration; adding to said replenished bath additional quantities of sodium silicate as alkalining and buffering agent; treating further amounts of unbleached cotton goods positioned in a kier with said replenished bleach bath at a temperature in the neighborhood of 180° F. for a period of from five to eight hours, there being present approximately 40 gallons of bleach liquor per one hundred pounds of cotton goods being treated; and repeating said process whereby said bath is replenished and reutilized at least four additional times.

2,202,479

VELOCIPEDE CONSTRUCTION

Giles E. Bullock, Rochester, N. Y.

Application June 16, 1937, Serial No. 148,525
3 Claims. (Cl. 280—270)



1. A fork support for supporting the backbone of a velocipede comprising a bi-furcated sheet metal head having tapered ends, a pair of sheet metal arms, tapered recesses in the end of each of said arms for the engagement of the tapered ends of said sheet metal head into said recesses for lateral and edgewise support of said arms on

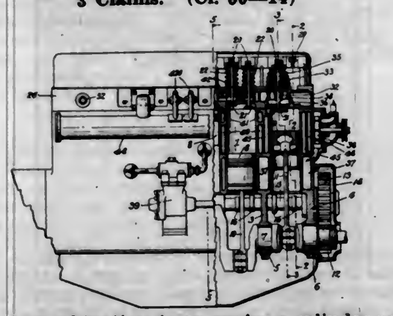
the ends of said head, a socket centrally of said head and a steering post carried by said socket for pivotal engagement in said backbone.

2,202,480

ENGINE

Donald J. Campbell, Muskegon, Mich., assignor of one-half to James F. Campbell, Muskegon, Mich., and one-fourth to Islay Investment, Incorporated, Muskegon, Mich.

Application February 10, 1938, Serial No. 189,727
3 Claims. (Cl. 60—14)



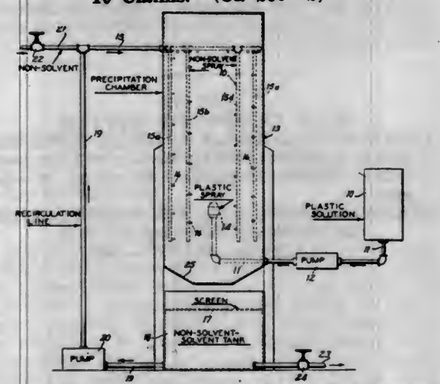
1. In combination, in an engine a cylinder casting containing, a plurality of substantially identical cylinders, pistons and connecting rods, a cylinder head, a crank shaft and a cam shaft associated with all of the cylinders, distribution valves for supplying combustible material to and discharging products of combustion from one cylinder and distribution valves for supplying steam to and discharging it from another cylinder, all of said valves being controlled by the single cam shaft, a gas tight jacket enclosing the cylinder to which combustible material is supplied and a steam passage leading directly and unobstructedly therefrom to the steam distribution valve, such steam passage including a serpentine channel through the cylinder head all of said connecting rods being associated with and driving the single crank shaft.

2,202,481

RECOVERY OF PLASTIC MATERIALS

Henry L. Cox, South Charleston, and Jacob D. Matlack, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

Application November 20, 1937, Serial No. 175,560
10 Claims. (Cl. 260—2)



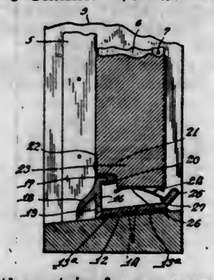
1. In the production of heat sensitive thermoplastic materials, the step of preparing the material in finely divided solid form which comprises dividing a solution of the material in an organic solvent into fine droplets and bringing it into contact with a fine spray of a non-solvent for the material which is at least partially miscible with the organic solvent, while maintaining the thermoplastic material at a temperature sufficiently low to prevent injury thereto.

2,202,482

WEATHER STRIP

Oscar Dahl, Chicago, Ill., assignor to Maurice S. Oftedal, doing business as Master Metal Strip Service, Chicago, Ill.

Application December 10, 1938, Serial No. 244,900
6 Claims. (Cl. 20—69)



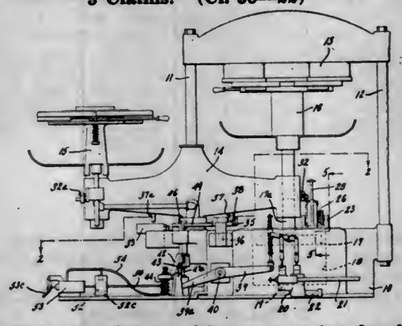
5. A weather strip for a casement sash comprising a channel bar having an outer flange adapted to provide a stop for said sash, an inner flange below the path of said sash, and a resilient sheet metal trough positioned to catch water dripping from the inner surface of said sash, one side of said trough being formed to resiliently and removably engage said inner flange to removably support said trough and having its free side positioned to frictionally engage the bottom of said sash, said channel bar and said trough having openings to direct water therefrom.

2,202,483

CONTROL FOR TURRET TYPE PRESSES

James M. Dewey, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application September 19, 1936, Serial No. 101,641
3 Claims. (Cl. 38—22)



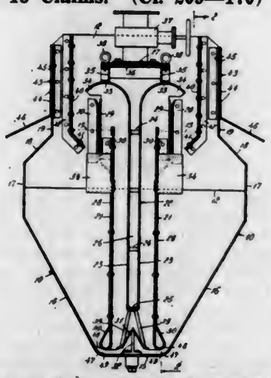
2. In a pressing machine, a pressing head, a rotatable frame, a plurality of pressing beds carried by said frame and movable by frame rotation into and out of registering position beneath said head, motor means for causing relative approach and separating movement between said head and a registering bed, means operable in response to

said relative separating movement for causing frame rotation, means for locking said frame against rotation in each of its bed-registering positions, means biasing said last-named means in locking direction, a servo-motor for unlocking said locking means and for coincidentally initiating said relative separating movement, a pressure fluid supply system for said servo-motor, and said system being adapted to slowly bleed off the servo-motor fluid to hold said locking means unlocked until said separating movement is substantially completed and said frame starts to rotate under the influence of said frame rotating means.

2,202,484
FLOTATION APPARATUS

Augustus Bachelder Emery, Messina, Transvaal, Union of South Africa, assignor to Messina (Transvaal) Development Company, Limited, a corporation of Great Britain

Application December 17, 1938, Serial No. 246,261
13 Claims. (Cl. 209—170)



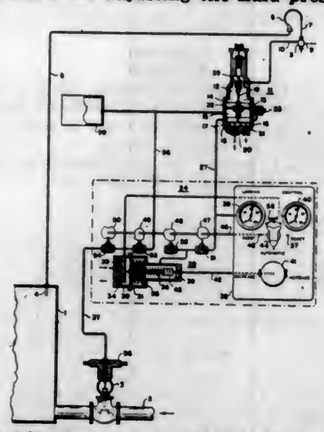
1. Apparatus for concentrating ores by flotation comprising an elongated receptacle adapted to contain ore pulp, divider plates mounted transversely of the receptacle dividing the receptacle into a plurality of intercommunicating cells, a vertically disposed baffle mounted in the cell and extending from a point slightly above the normal pulp level in the cell to a point adjacent the bottom of the receptacle, and a second vertically disposed baffle arranged substantially parallel to said first-mentioned baffle between said first-mentioned baffle and a side wall of the receptacle and extending upwardly from a point slightly below the normal pulp level in the cell, said second baffle having a lip at its lower end turned inwardly at an angle to the vertical toward said first-mentioned baffle, said lip serving to assist in collection of froth formed in the space between said two baffles.

2,202,485
CONTROL SYSTEM

Edward W. Fitch, University Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application June 5, 1937, Serial No. 146,697
23 Claims. (Cl. 236—82)

19. In a control system of the fluid pressure actuated type, a first means for producing variations in a first fluid pressure, a servo-motor normally under the control of said first fluid pressure, a second means for producing variations in a second fluid pressure, a selector device for changing control of said servo-motor from said first fluid pressure to said second fluid pressure and vice versa, and means controlled by said selector device for adjusting the fluid pressure established by the means to which change is to be made so as to cause said means to produce a pressure substantially equal to that produced by the means from which change is to be made.



2,202,486
SWIVELING CLOSET BOWL

Edward A. Fredrickson and Leif Andersen, Chicago, Ill., Hugh R. Van Sciver, Trenton, N. J., and Roy H. Zinkil, Oak Park, Ill.

Application June 18, 1938, Serial No. 214,429
9 Claims. (Cl. 4—10)

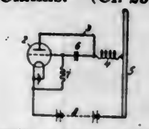


1. In a swiveling type closet bowl, supporting means for the said closet bowl comprising a hollow discharge member cooperating with an apertured base plate, the said discharge member having an upper end portion attached to the said closet bowl and an angularly positioned lower end portion journaled for rotative movement within the said base plate, independent spaced apart supporting means upon the said plate cooperating with the said discharge member to maintain the latter in axial alignment with the said apertured portion of the said plate.

2,202,487
HIGH FREQUENCY SYSTEM

Erich Gossel and Werner Puhlmann, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application February 25, 1938, Serial No. 192,568
In Germany February 25, 1937
2 Claims. (Cl. 250—36)



1. In a circuit arrangement for ultra-short wave oscillations, an electric discharge device having an anode, a cathode and a grid, an oscillatory circuit comprising an inductance and capacitance between said anode and grid, a metal plate, distant from said inductance by less than one-quarter wave length at the resonance frequency of said circuit, a choke, and an anode voltage source connected to the anode through said choke and metal plate.

2,202,488
FLOOR COVERING

James E. Graham, Needham, and Edwin M. Lines, Dedham, Mass., assignors to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts

No Drawing. Application February 21, 1938, Serial No. 191,730
12 Claims. (Cl. 41—26)

8. The method of making a hard-surfaced flexible floor covering material having adhesively united to the flexible base, a wearing layer of porous material, which consists in printing upon the exposed surface of said porous material with a limited quantity of liquid coloring material and binder held at and near the exposed surface of said porous material and extending from the exposed surface thereof down through at least a major portion of the vertical depth thereof to present a vari-colored all-over decorated background and thereafter with additional coloring material including a drying-oil binder block printing on the exposed surface of said porous material to provide on said all-over decorated background an ornamental skip-space design extending from said surface down through at least a major portion of the vertical depth of said wearing layer.

2,202,489
METHOD OF PRODUCING POSITIVE ELECTRODES FOR LEAD-ACID STORAGE BATTERIES

Anna P. Hauel, New York, N. Y.

No Drawing. Application February 25, 1939, Serial No. 258,584
14 Claims. (Cl. 136—27)

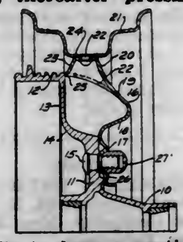
1. Method of producing positive electrodes for lead-acid storage batteries which comprises adding to a mixture containing at least one substance selected from the group consisting of lead oxides and lead powder, water and small amounts of reducing agents adapted to promote by a catalytic process the reaction between water and a substance selected from the group consisting of litharge and lead powder, thus forming lead hydrates, and forming pastes from the thus treated substances for manufacture of electrodes.

2,202,490
METHOD OF MAKING VEHICLE WHEELS

Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application November 6, 1937, Serial No. 173,056
1 Claim. (Cl. 29—159.03)

The method of manufacturing a one piece pressed metal wheel body having seamless tubular spokes about its periphery which comprises providing a generally circular blank of sheet metal, pressing the blank in a zone inwardly of its periphery to form open backed spoke portions while leaving a continuous radial flange about the entire periphery of the blank, said spoke portions having axially extending end and side walls and being of a length such that the diameter of the blank at the outer ends of the spokes is substantially the same as the inner diameter of a rim to which the spokes are to be connected, thereafter pressing said flange

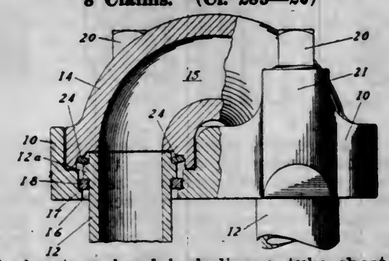


axially inwardly to form a continuous axial extension of said end and side walls, and finally pressing and flowing said extension radially and axially inwardly to close the open backs of said spoke portions.

2,202,491
RETURN BEND

George T. Jacocks, Larchmont, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application October 9, 1937, Serial No. 168,139
8 Claims. (Cl. 285—20)

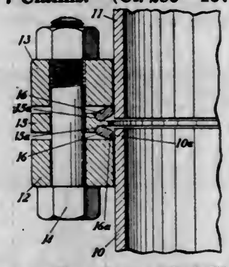


1. A return bend including a tube sheet into which a tube extends, a U member having a wing telescopically projecting into the tube sheet, and compression screws in screw threaded engagement with the tube sheet, and in abutting contact with the sides and the wing of the U member to hold said members together.

2,202,492
FLUID COUPLING

George T. Jacocks, Larchmont, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application December 14, 1937, Serial No. 179,653
7 Claims. (Cl. 285—137)



1. A pipe coupling for a plurality of pipes of substantially uniform annular cross section which comprises a plurality of annular rings slidably

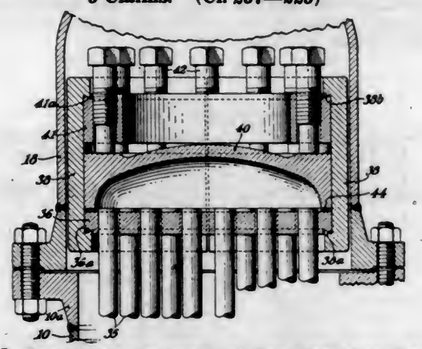
and detachably mounted on the ends of the pipe, a plurality of frusto-conical gaskets, means to move the rings to change the angular relation of the gaskets, means to resist the external tendency of movement of the gaskets, continuous annular ribs on the gaskets to engage the external wall of the pipe ends, said ribs forming a liquid tight seal with the respective pipe ends and moving the pipe ends together and holding the pipe ends together without deforming the internal diameter of the pipe ends.

2,202,493

SECURING DEVICE

George T. Jacocks, Larchmont, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application February 17, 1939, Serial No. 256,935
5 Claims. (Cl. 257—225)



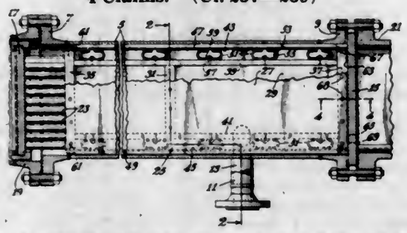
5. In a pressure vessel of the class described, a member having an opening therein, a cover for said member and means to secure said cover to said member, said means including partially cylindrical C-shaped clamp devices, said devices being movable laterally to a position to engage under said member and over said cover, and means to draw said clamp devices laterally inward toward said cover and member, said means including a ring, adjustable elements in said ring engaging the cover, and laterally inwardly projecting grooves on the inner surface of the member and the outer surface of the ring, said clamp devices having inwardly extending gripping edges engaging in said grooves.

2,202,494

BAFFLE

George T. Jacocks, Larchmont, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application March 11, 1939, Serial No. 261,160
4 Claims. (Cl. 257—239)



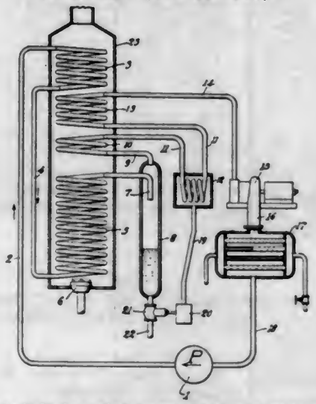
3. A heat exchanger comprising a shell having a fluid inlet and a fluid outlet, spaced tube plates, a plurality of sets of tubes extending between said plates, a baffle extending longitudinally of the shell and arranged to separate the interior thereof into compartments each of which contains a set of tubes, packing projecting beyond each of the longitudinal edges of the baffle, and a plurality of bi-metallic springs of oval shape extending longitudinally of the shell for urging the packing into tight sealing engagement with the adjacent portions of the shell, the bimetallic springs being of different metals integrated at their ends, the different metallic elements of the springs being arranged in such order that the tightness of the sealing engagement will be increased in response to an increase in temperature within the heat exchanger.

2,202,495

REGULATING DEVICE FOR THROUGH-FLOW TUBULAR STEAM GENERATORS

Viktor Juzi, Ermatingen - on - the - Bodensee, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland

Application April 23, 1938, Serial No. 203,746
In Switzerland October 2, 1937
7 Claims. (Cl. 122—379)



1. In a tubular steam generator system a preheater, an evaporator, a final evaporator and a super-heater, all being in fluid circuit with each other, means for heating them, a separator positioned between said evaporator and said final evaporator, and means for discharging a part of the liquid from said separator, a thermostatic control for said discharging means, to control the quantity of liquid to be discharged, said thermostatic means positioned in the fluid circuit after the final evaporator and at the beginning of the super-heater.

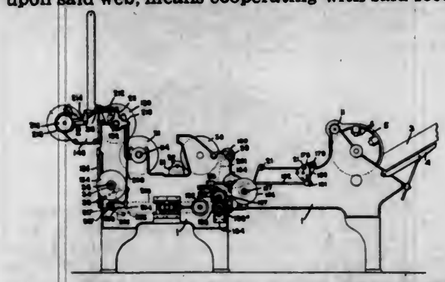
2,202,496

MACHINE FOR ADHESIVELY APPLYING AND SECURING COVERING MATERIAL TO ARTICLES

Leon E. La Bombard, Nashua, N. H., assignor to The International Paper Box Machine Company, Nashua, N. H., a corporation of New Hampshire

Application March 17, 1939, Serial No. 262,377
62 Claims. (Cl. 93—36)

1. A machine of the class described comprising a traveling conveyer for a foundation material, means cooperating with and traveling at the same rate as said conveyer for feeding and applying sections of overlaying material upon said foundation material, auxiliary means for feeding the overlaying material at a slower rate of speed into slipping contact with said feeding and applying means to maintain a smoothing tension upon said web, means cooperating with said feeding means temporarily to clamp said web upon said feeding and applying means to cause said web to travel at the same speed as said feeding and applying means.

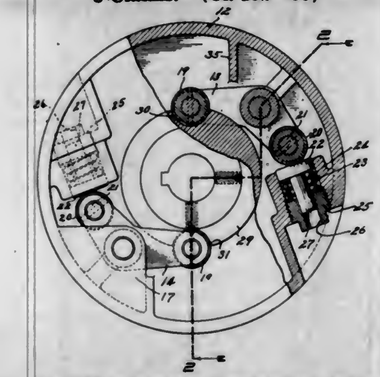


2,202,497

OVERLOAD RELEASE MECHANISM

Eugene E. Landahl, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a corporation of Michigan

Application March 8, 1938, Serial No. 194,639
3 Claims. (Cl. 192—56)



1. An overload release mechanism for connecting rotating driving and driven members and effecting release at a predetermined maximum torque comprising an extension on one of said rotating members having sockets formed in its outer surface, pivotally mounted levers secured to the other of said rotating members each having an end shaped to engage one of said sockets, a piston mounted for reciprocation and having a flat face tangential to the arc of movement of an opposite end of each of said levers at the dead center position of its contacting movement on the face of said piston, springs urging said pistons against the said ends of said levers whereby said spring urged pistons act both to hold said levers in engagement and out of engagement with said sockets depending upon which side of dead center position said levers are set.

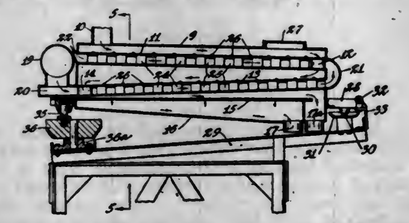
2,202,498

MACHINE AND METHOD FOR COOLING POWDERED PRODUCTS

Carl H. Leaf, Luck, Wis., assignor to Land O' Lakes Creameries, Inc., Minneapolis, Minn., a corporation of Minnesota

Application October 27, 1938, Serial No. 237,291
8 Claims. (Cl. 62—95)

1. A machine for cooling powdered food products comprising, a casing, an inclined plate disposed in said casing for supporting the powder to be cooled, said plate being formed from a plurality of strips of heat conducting sheet material secured together at their side edges and each having radiating fins projecting down from its edges, means for supplying the powder to the upper end of said plate, an outlet for the powder extending from the lower end of said plate, a passage for air extending beneath said plate and containing said fins, means for passing cool air through said passage and means for shaking said casing to distribute the powder on said plate and to cause it to flow longitudinally thereof to said outlet.

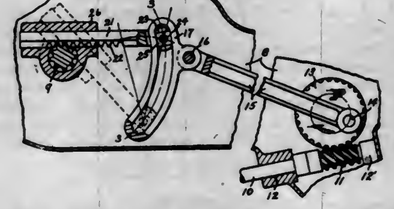


2,202,499

WASHING MACHINE AGITATOR DRIVE MECHANISM

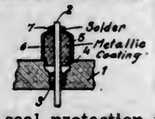
Charles H. Logue, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware

Application January 19, 1939, Serial No. 251,771
2 Claims. (Cl. 74—78)



1. In a variable drive mechanism for use in a washing machine having an oscillatable element for agitating the clothes to be washed, a pinion gear fastened to said oscillatable element for driving the same, a reciprocating drive bar, rack teeth carried by said drive bar and adapted to mesh with said pinion, an oscillating lever pivoted adjacent one end thereof, means for oscillating said lever over a path of substantially constant amplitude, said drive bar being pivotally and slidably connected to said lever so that the amplitude of stroke of said drive bar is varied as said pivotal connection is moved on said lever, in combination, a guide member rotatably mounted with its center of rotation coincident with the center of rotation of said pinion, said guide member being slotted to slidably receive said drive bar to constrain the motion of said drive bar in a substantially straight line along the axis of said drive bar and to maintain said rack teeth in mesh with said pinion, and a control lever fixedly secured to said guide member for manually rotating said guide member whereby the pivotal connection between said drive bar and said oscillating lever is moved and motion transmitted to said oscillatable element is varied.

2,202,500
VACUUM TUBE DEVICE
Edmund Löpp, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 14, 1939, Serial No. 261,727
In Germany April 7, 1938
5 Claims. (Cl. 250—27.5)



1. A vacuum seal protection for electron tube devices and the like, comprising a plate of ceramic material having a through-bore with a first enlarged portion and a further still enlarged portion adjacent one surface of said ceramic plate and coaxial with said bore, a metallic conductor projecting through said bore, a vacuum seal in said first enlarged portion intimately uniting said plate and said conductor, and a sleeve of ceramic material frictionally fixed on said conductor in a position to be supported in said further still enlarged portion and adapted to protect the said seal against bending stresses imparted to the outer portion of said conductor.

2,202,501
SULPHURIZED DIHYDRO POLYCYCLIC AROMATIC HYDROCARBONS AND PROCESS FOR MAKING SAME
Paul La Frone Magill, Ransomville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 29, 1937, Serial No. 156,424
10 Claims. (Cl. 260—139)

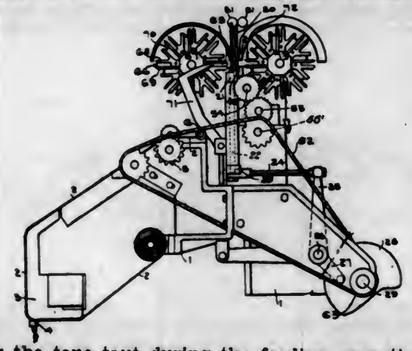
1. A process comprising reacting a dihydro polycyclic aromatic hydrocarbon with sulphur between the temperature at which sulphurization begins and that at which evolution of hydrogen sulphide becomes appreciable, said hydrocarbon having a molecular structure which includes a benzene nucleus in addition to a partially hydrogenated carbon ring containing at least one double bond.

2,202,502
SULPHURIZED DIHYDRONAPHTHALENE DIMER AND PROCESS FOR MAKING SAME
Paul La Frone Magill, Ransomville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 30, 1937, Serial No. 161,628
10 Claims. (Cl. 260—139)

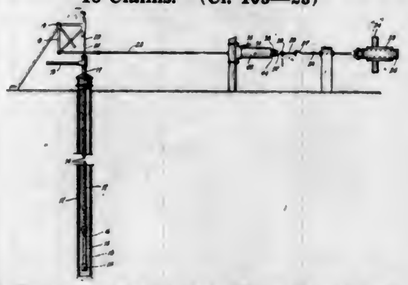
1. A process comprising reacting a dihydronaphthalene dimer with sulphur between the temperature at which sulphurization begins and that at which evolution of hydrogen sulphide becomes appreciable.

2,202,503
FEEDING MECHANISM FOR WRAPPING MACHINES
Michael J. Milmoe, Glen Ellyn, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application December 7, 1936, Serial No. 114,631
31 Claims. (Cl. 93—2)

1. In a wrapping machine, means for feeding tape to a predetermined position, gripper means to pull the tape to a predetermined position, a second gripper means having a resilient tape engaging member for tensioning and maintaining the tape taut during the feeding operation, and means for applying adhesive to the tape.



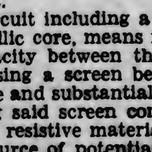
2,202,504
DEVICE FOR CONTROLLING THE TRANSMISSION OF POWER TO PUMPS
John C. Myers, Sperry, Okla., assignor of one-half to J. W. Scott Drilling Company, Tulsa, Okla., a corporation of Texas
Application April 26, 1939, Serial No. 270,096
18 Claims. (Cl. 103—23)



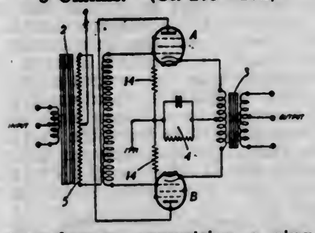
1. In an apparatus for lifting liquid from a well provided with a pump plunger to lift the liquid, a cylinder in which the plunger reciprocates, said cylinder having an inlet through which liquid is delivered to the plunger under normal pumping conditions, said inlet providing for the admission of gaseous fluid to the cylinder and plunger when the flow of liquid is interrupted, a source of power to operate the plunger, a driving member actuated by said source of power, and a driven member connected to said pump plunger, the improvement comprising a stopping device including a stopping member carried by said driven member to discontinue the transmission of power to the plunger when a gaseous fluid is delivered to said plunger, said stopping device also including a yieldable shock absorber through which the lifting power is transmitted from said driving member to said driven member.

2,202,505
ELECTROMAGNETIC FOCUSING COIL
Denis Victor Ridgeway, London, England, assignor to Baird Television Limited, London, England, a British company
Application June 27, 1939, Serial No. 281,372
In Great Britain January 13, 1939
3 Claims. (Cl. 250—161)

1. Focusing means for use with an electron discharge device comprising an electromagnetic coil and ferromagnetic shielding means surrounding said coil, said shielding means comprising a plurality of pairs of members, each of said members comprising a cylindrical portion, an annular portion extending inwardly from one end of said cylindrical portion and a flange extending outwardly from the other end of said cylindrical portion, said members being assembled with their flanges abutting and the lengths of the said cylindrical portions varying from one pair of members to another so that when the said flanges are placed in contact a space remains between the annular portions of one pair and those of the next larger pair.



2,202,506
MODIFYING CAPACITY EFFECT
Harold Kilner Robin, Sidcup, Kent, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application April 16, 1937, Serial No. 137,259
In Great Britain May 15, 1936
5 Claims. (Cl. 179—171)

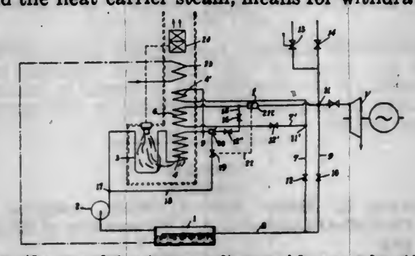


1. A transformer comprising a ring shaped core, a toroidal winding on said ring-shaped core, annular discs formed of resistance material interposed between said winding and the core, said resistance material of the discs being interrupted in the neighbourhood of the ends of the winding, and connections to the resistance material provided at points on either side of the interruptions.

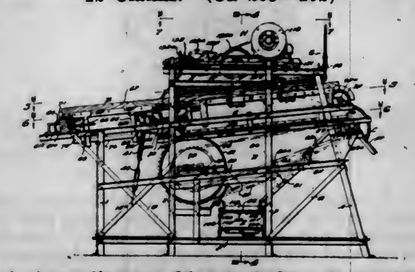
5. In a circuit including a winding associated with a metallic core, means for reducing the effect of capacity between the winding and the core comprising a screen between said winding and said core and substantially co-extensive with said winding said screen comprising a continuous sheet of resistive material, and a circuit including a source of potential separate from the circuit including the winding and arranged to pass a current through said screen such that the potential drop therein is substantially the same as that in the winding.

2,202,507
HIGH PRESSURE STEAM GENERATOR
Olivier Swietochowski, Mahrisch-Ostrau, Protectorate Moravia and Bohemia, former Czechoslovakia
Application October 9, 1935, Serial No. 44,171
In Germany October 13, 1934
9 Claims. (Cl. 122—31)

1. A high pressure steam generator operating on the steam circulating system, comprising a boiler drum, a closed circulatory system for steam acting as a heat carrier, means for withdrawing useful steam and heat carrier steam from the boiler drum and for conveying the same through the circulatory system, radiation superheaters for superheating jointly the useful steam and the heat carrier steam, means for withdrawing the useful steam after said superheating stage, a convection superheater for further superheating the said heat carrier steam and means for further superheating the said withdrawn useful steam separately to a temperature which is higher than the final temperature of the heat carrier steam.



2,202,508
GRADING MACHINE
Perry Weir, Frankfort, Mich., assignor, by mesne assignments, to Cherry Growers, Inc., Traverse City, Mich., a corporation of Michigan
Application October 10, 1936, Serial No. 104,969
12 Claims. (Cl. 209—102)



1. A grading machine including, in combination, a rotatable cylindrical drum, a plurality of rotatable sheaves mounted upon a shaft arranged in parallel spaced relation to the axis of the drum, a plurality of endless belts mounted upon the drum and sheaves with each belt engaging a separate sheave, the sheaves being spaced from each other a pre-determined distance, and means spaced from the drum and engaging the belts for spacing the belts upon the drum a predetermined distance from each other, said means being adjustable axially of the drum whereby to vary the spacing of the belts upon the drum.

2,202,509
METHOD OF MANUFACTURING CONFECTION CANDLE HOLDERS
Frank J. Addis and Paul P. Addis, Brooklyn, N. Y.
Original application April 10, 1939, Serial No. 267,200. Divided and this application December 6, 1939, Serial No. 307,772
9 Claims. (Cl. 107—54)

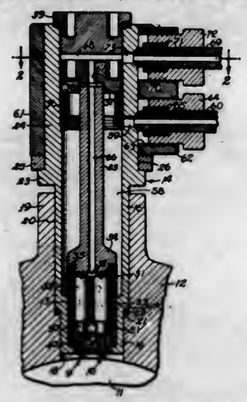
1. The herein described method of forming confection candle holders of the class described, which consists in providing a mounting sheet, applying a body of confection to one surface of

the sheet in such manner as to form a passage through said body, allowing the body to harden, then drilling the body transversely where the passage is located therein to form a socket of pre-



determined diameter through the major portion of the depth of said body, and utilizing said socket for the reception of a candle to be supported in perpendicular position by said confection holder.

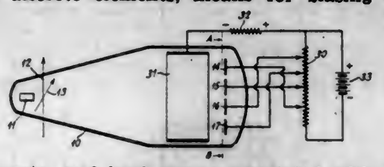
2,202,510
NOZZLE
Carroll R. Alden, Detroit, Mich., assignor to Ex-Cell-O Corporation, a corporation of Michigan
Original application May 11, 1932, Serial No. 610,612. Divided and this application March 19, 1937, Serial No. 131,771
10 Claims. (Cl. 299—107.5)



1. A nozzle comprising, in combination, body means having two discharge means and two fuel chambers for supplying fuel under pressure thereto, said chambers being in intercommunication, two independent valve means for connecting said chambers in parallel respectively to said discharge means, said valve means comprising respectively two valve seats of unequal areas and two pressure responsive valve members for coacting with said seats, said members when seated presenting in said chambers unequal pressure areas responsive to the fuel pressures therein in a direction to open said valves, and means for effecting seating of said members.

2,202,511
BLACK SPOT COMPENSATION APPARATUS
Robert Andrieu, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 28, 1937, Serial No. 139,356
In Germany April 28, 1936
8 Claims. (Cl. 178—7.2)

1. Apparatus for developing corrective potentials for eliminating black spot effects in television scanners comprising means for developing a cathode ray beam, means for deflecting said beam, a plurality of electrodes each representative of a discrete section of the optical view, the cathode ray beam deflecting means being adapted to sweep the beam sequentially across each of the discrete elements, means for biasing said



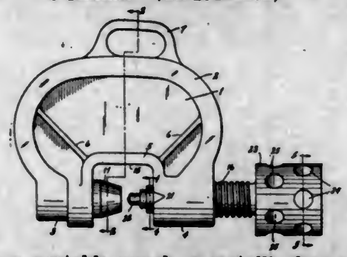
elements, and load means associated with said elements for developing corrective potentials.

2,202,512
FOWL-STUFFING RETAINER
Edward N. Archer, Inglewood, Calif.
Application September 7, 1937, Serial No. 162,679
1 Claim. (Cl. 17—11)



A device for closing a slit in the skin of a stuffed fowl, that includes a thin oval plate of concavo-convex section adapted to be inserted through the slit and to underlie the skin surrounding the slit with its convex face outward, a thin oval plate of concavo-convex section adapted to overlie the skin surrounding the slit with its concave face inward, a screw threaded stud projection from the central portion of the convex face of the first mentioned plate and through the second mentioned plate, and a nut on the stud adapted to force the two plates together to clamp the skin between their opposed peripheral portions, whereby the two plates are clamped in position covering the slit opening.

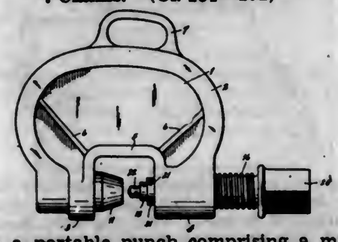
2,202,513
PORTABLE PUNCH
Dale A. Benner, Alton, Ill.
Application November 4, 1939, Serial No. 302,815
6 Claims. (Cl. 164—101)



1. In a portable punch, a metallic frame substantially of C-shape and comprising a relatively thin body having oppositely extended flanges along its inner and outer margins, an enlarged die supporting portion integral with one end of said body and having a hole therethrough and a recess in its side coaxial with said hole, a die attached to and opening through said supporting portion and having a bore therethrough of less diameter than and opening into said hole, an enlarged punch supporting portion integral with the other end of said body and having a threaded hole therethrough, a longitudinally movable punch device screwed in said threaded hole for

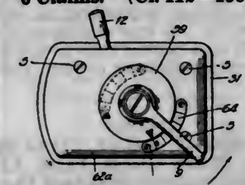
cooperation with said die, means for operating said punch, and outwardly diverging flanges integral with opposite sides of said body and having their inner ends merging with said inner marginal flanges adjacent to said supporting portions and their outer ends merging with said outer marginal flanges.

2,202,514
PORTABLE PUNCH
Dale A. Benner, Alton, Ill.
Application November 4, 1939, Serial No. 302,816
7 Claims. (Cl. 164—101)



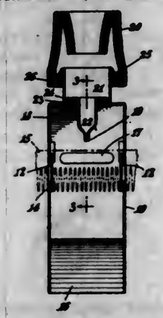
1. In a portable punch comprising a metallic frame of approximately C-shape having enlarged axially alined die and punch supporting portions at its ends, and a die attached to said die supporting portion; a shaft screwed through said punch supporting portion for movement toward and from said die and having a punch attached to the inner end thereof for cooperation with said die, a ratchet sleeve attached to the outer end of said shaft for rotating the same, an annular frame enclosing and rotative about said ratchet sleeve, a pawl supported by said frame for engaging and turning said sleeve and thereby said shaft in one direction by turning movements of said frame and arranged to escape about and leave said sleeve stationary when said frame is turned in the oposite direction, a device for moving said pawl to reverse position to turn said sleeve and thereby said shaft in the opposite direction, and means rigid with said frame for engaging a lever bar for operating said frame to rotate said shaft.

2,202,515
NEEDLE VIBRATION CONTROLLING MEANS FOR ZIGZAG STITCH SEWING MACHINES
Wilhelm Bölter, Heepen in Westphalia, near Bielefeld, and Heinrich Theenhausen, Bielefeld, Germany, assignors to Anker-Werke, A. G., Bielefeld, Germany, a corporation of Germany
Application April 12, 1937, Serial No. 136,340
In Germany August 29, 1935
6 Claims. (Cl. 112—158)



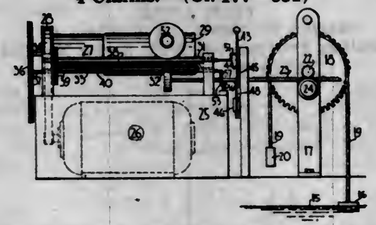
1. In a needle vibration controlling means for zigzag stitch sewing machines, an angularly adjustable grooved cam for controlling the lateral throw of the needle, means comprising a rotatable member for shifting said cam along an arcuate path to change the origin of the lateral throw of the needle, and means effective during the shifting of said cam for angularly adjusting said cam to compensate for the angular movement which would otherwise be imparted to it by its shifting, thereby retaining the same amplitude of lateral throw of the needle.

2,202,516
SANITARY COMB CLEANING DEVICE
John J. Calleo, Lodi, N. J.
Application December 2, 1939, Serial No. 307,210
4 Claims. (Cl. 141—1)



1. A sanitary comb cleaning device, comprising a container having openings in two sides thereof, rubber members mounted in said openings, each of said rubber members being formed with a slit adapted to movably receive a comb therein, a funnel-shaped member securely attached to the top of the container, said member having a narrow bottom portion formed with perforations therein, and a water-inlet tube detachably engaging said member, substantially as and for the purpose set forth.

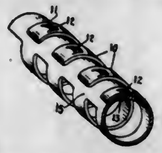
2,202,517
LIQUID LEVEL REPORTING APPARATUS
Herman De Koevend, Lake Cheeseman, Colo.
Application September 7, 1935, Serial No. 39,592
Renewed September 29, 1939
4 Claims. (Cl. 177—351)



1. In telemetric signaling apparatus, a rotatably-mounted, cylindrical phonograph record provided with a plurality of progressively arranged designating record bands, an electric motor in driving relation with said record, a normally open power circuit serving said motor, a reproducer adjacent and freely slidable longitudinally of said record, means directly connected with said reproducer and operable through the characteristic to be determined to automatically position the latter opposite that record band corresponding with the actual characteristic condition, a feed screw in synchronous driven relation with said record and engageable at times by said reproducer to feed the latter longitudinally of said record when in reproducing relation therewith, means automatically operable from a remote telephone station to close the circuit to said motor and and energize the latter, means in driven relation with said motor operable upon

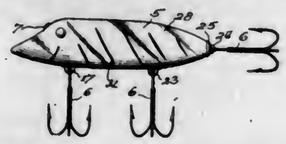
actuation of the latter to engage the reproducer with the feed screw and record and simultaneously include said reproducer in the telephone circuit of the calling station, and further means in driven relation with said motor automatically operable after a definite time interval to disengage said reproducer from its feed screw and record and simultaneously open the circuit to said motor.

2,202,518
LOOSE-LEAF BINDER
Emil N. Farkas, Chicago, Ill., assignor of one-half to Frank F. Farkas, Chicago, Ill.
Application December 10, 1938, Serial No. 244,951
5 Claims. (Cl. 129—1)



1. In a loose-leaf binding device, a comb of resilient molded composition having back and teeth rolled into a cylinder of predetermined diameter the longitudinal axis of which is parallel with the back, the teeth being transverse thereto and overlapping the back, cooperating projections and recesses formed in the back and teeth which interlock when the cylinder is of said predetermined diameter, the projections and recesses being shaped to lock the cylinder against enlargement of its diameter in response to forces normally applied thereto and unless the teeth are pried laterally away from the back, but when the cylinder is radially compressed the projections will spring out of the recesses and permit the rolling up of the cylinder into one of smaller diameter.

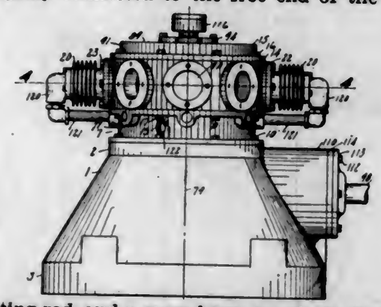
2,202,519
FISH LURE
Marion R. Ferris, La Grange, Ill.
Application February 3, 1939, Serial No. 254,339
7 Claims. (Cl. 43—46)



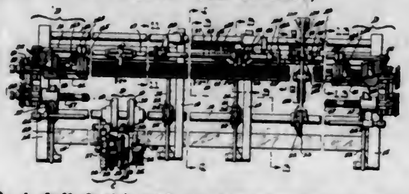
1. A fish lure comprising a porous body having openings therein, a coating of rubber or latex over the entire outside of the body and the walls of the openings therein, and an enamel coating on the outside of that part of the rubber which surrounds the lure.

2,202,520
FLUID DISPLACEMENT MECHANISM
Jesse W. Forrester, Marshfield, and James V. Sheridan, Powers, Oreg.
Application September 19, 1938, Serial No. 230,632
7 Claims. (Cl. 230—187)

1. A fluid displacement mechanism having in combination a plurality of fixed radially disposed fluid displacement units each unit including a cylinder, a piston slidable within it, a connecting rod having one end hingedly connected to the piston, and a cam roller associated with the free end; a centrally positioned rotatable cam to cause a piston to be moved inwardly in a cylinder to compress air within said cylinder; and a bell crank piston-return mechanism having one arm including a quadrant gear and a radius link hingedly connected to the free end of the connecting rod, and a second arm angularly disposed to the first arm and terminating in a quadrant gear adapted to mesh with the first mentioned gear of the preceding unit whereupon inward movement of the piston of one unit causes outward movement of the piston of the following unit.



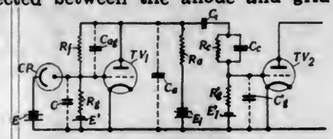
2,202,521
YARN FEEDING MECHANISM FOR STRAIGHT KNITTING MACHINES
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application June 24, 1933, Serial No. 677,443
8 Claims. (Cl. 66—127)



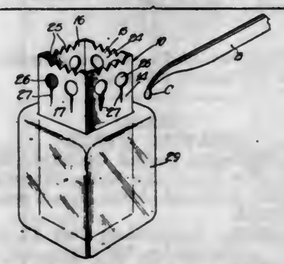
2. A full fashioned stocking knitting machine comprising, in combination, a plurality of yarn carrier rods, yarn carriers on said rods respectively feeding separate yarns, a friction rod, a friction box on said rod having a member movably mounted thereon for selective engagement with any of said yarn carrier rods, and means including a rotatable splined shaft having pattern cam structure slidably mounted thereon, said cam structure being journalled to the friction box and actuating the movable member into engagement with said carrier rods in predetermined order in succeeding courses of the fabric.

2,202,522
THERMIONIC VALVE CIRCUITS
Paul François Marie Gloess, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application April 16, 1937, Serial No. 137,304
In France May 16, 1936
6 Claims. (Cl. 179—171)

1. An amplifier comprising a thermionic valve having a plate resistance of such great magnitude that noise due to thermionic agitation in said resistance is small and the amplifier gain at high frequencies tends to decrease and means for counteracting the decrease of gain comprising a feed-back circuit including a resistance connected between the anode and grid of said valve for feeding a portion of the amplifier output back to the input in phase opposition to the signal to be amplified.

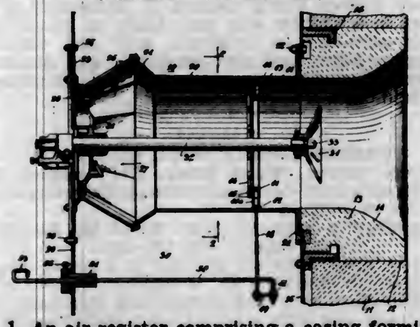


2,202,523
WASTE RECEPTACLE
Benjamin Gottheim, Brooklyn, N. Y.
Application December 14, 1937, Serial No. 179,690
7 Claims. (Cl. 206—63.5)



1. A dental waste receiver comprising a cardboard receptacle body open at its top to receive dental waste materials, and spaced notches provided in the top edges of the side walls of said receptacle body to facilitate the stripping of waste materials from a dental tweezers or like holder instrument in instances where the waste material will not freely drop from the holder instrument.

2,202,524
AIR REGISTER
Leslie A. Hicks, Honolulu, Territory of Hawaii, assignor to Peabody Engineering Corporation, New York, N. Y., a corporation of New York
Application April 22, 1939, Serial No. 269,335
6 Claims. (Cl. 158—1.5)



1. An air register comprising a casing forming an air chamber having an axial air discharge throat opening, means to supply a controlled quantity of air to said chamber, and an adjustable throat member disposed in said casing in the path of the air flow from said supply means to said throat opening, said throat member comprising a set af annularly arranged louvers disposed to adjustably close the peripheral portion of the air passage to said throat opening for restricting the air flow to a reduced cross-sectional area of said chamber between said throat member and the axis of said chamber whereby the desired velocity of air flow may be maintained when the quantity of air is reduced by adjustment of said supply means.

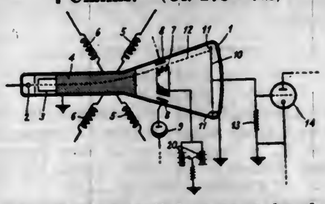
2,202,525
METHOD OF RECOVERY OF MOLYBDENUM VALUES
Arthur W. Hixson, Leonia, N. J., and Ralph Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, a corporation of Delaware
No Drawing. Application September 15, 1937, Serial No. 163,958
12 Claims. (Cl. 23—23)

1. A method of recovering molybdenum from acid solutions which comprises, treating the solution with a reducing agent to reduce the molybdenum to a lower valence state, then extracting the solution with an organic solvent capable of selectively extracting the contained molybdenum value from the solution and recovering the molybdenum from the organic solvent.

2,202,526
PURIFICATION OF PHOSPHORIC ACID
Arthur W. Hixson, Leonia, N. J., and Ralph Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, a corporation of Delaware
No Drawing. Application May 26, 1938, Serial No. 210,272
3 Claims. (Cl. 23—165)

1. A process of purifying dilute aqueous phosphoric acid solutions of about 20% concentration containing metallic impurities in dissolved form, which comprises, contacting a volume of dilute acid with several volumes of glacial acetic acid to thereby precipitate metallic impurities, separating the metallic impurities, and treating the resulting solution to recover purified phosphoric acid.

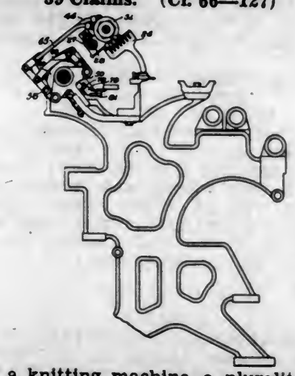
2,202,527
CATHODE RAY SWITCH
August Karolus, Leipzig, and Fritz Schröter, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 10, 1936, Serial No. 100,160
In Germany July 30, 1935
7 Claims. (Cl. 178—7.2)



2. In an electron switch, means for developing a cathode ray beam, a plurality of light current translating devices, a conducting member, a plurality of conducting plates arranged adjacent said conducting member, each of said plates forming a condenser therewith which is adapted to be charged by at least one of said light current translating devices, means for passing the cathode ray beam successively between each conducting plate and the common conducting member

in a position substantially transverse to the direction of the field between the conducting plate and the common conducting member, and a plurality of conducting targets.

2,202,528
YARN CARRIER SELECTOR MECHANISM FOR KNITTING MACHINES
Paul Krenkel, Philadelphia, Pa., assignor to Textile Machine Works, Reading, Pa.
Application December 5, 1932, Serial No. 645,664
39 Claims. (Cl. 66—127)



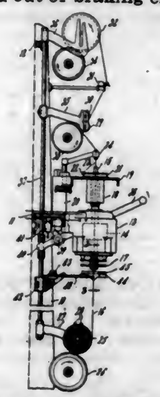
1. In a knitting machine, a plurality of yarn carriers, a plurality of sources of yarn supply from which the respective carriers draw yarn, carrier rods with which the respective carriers are connected, a friction box having connected therewith a pair of selectors, each movable into position to engage or disengage each of the aforesaid carrier rods, and means for shifting the respective selectors while positioned out of operating engagement with said rods.

2,202,529
PRINTING PROCESS
Albert L. Lengel, Berkeley, Calif.
No Drawing. Application October 11, 1937, Serial No. 168,395
15 Claims. (Cl. 101—211)

1. A process for producing multi-colored printed matter which consists in applying to the surface to be printed a vehicle having a color pigment and applying to said surface in various distributed amounts an agent chemically reactive with said pigment for affecting the color of said pigment to produce a plurality of colors proportional to the amounts and distribution of agent applied.

2,202,530
BRAKE
Harry C. Liveringhouse, Providence, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 13, 1940, Serial No. 318,677
5 Claims. (Cl. 57—16)

1. In a core covering machine, in combination, a hollow spindle, means for advancing a core to be covered through said spindle, an electric motor for winding a cover upon said core and provided with a rotor mounted on said spindle to rotate it, a brake disc secured to said spindle, a manually operable sliding rod adjacent said motor and operable to control the covering operation, a spring arm projecting laterally from said rod, and a brake element supported by said arm independently of said motor and adapted to be moved by said rod into and out of braking engagement with



said disc, whereby said arm and element are relieved from the motor vibrations.

2,202,531
COATING STEEL
Vincent T. Malcolm, Indian Orchard, Mass., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass., a corporation of Massachusetts
No Drawing. Application July 12, 1939, Serial No. 284,091
2 Claims. (Cl. 148—6.5)

1. A bath for treating steel to provide a substantially black-colored protective coating thereon made from substantial amounts of sodium hydroxide and water and relatively small amounts of sulphur and phosphoric acid.

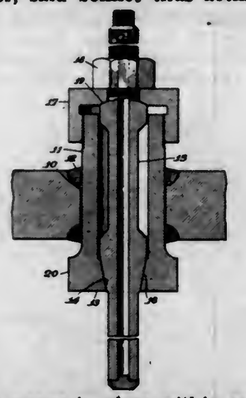
2,202,532
SELENIUM PLATING OF STEEL
Vincent T. Malcolm, Indian Orchard, Mass., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass., a corporation of Massachusetts
No Drawing. Application July 12, 1939, Serial No. 284,092
4 Claims. (Cl. 204—1)

2. The method of providing steel with a selenium surface which consists in, immersing said steel in a slightly acid bath made by dissolving ferro-selenium in sulphuric acid and adding thereto nitric acid and ammonia, and passing current between an anode and cathode immersed in said bath.

2,202,533
THERMOCOUPLE WELL ASSEMBLY
Morris Mason, Wood River, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 17, 1937, Serial No. 148,764
3 Claims. (Cl. 136—4)

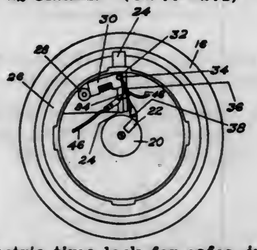
1. A closure for an opening in a vessel comprising, in combination, a tubular member secured about said opening provided internally at its lower end with a conical seat and projecting externally of said vessel, said tubular member being provided on its externally projecting end with screw threads; closure means extending through said tubular member and extending beyond said tubular member externally of said vessel, said closure means having a conical seat adapted to cooperate with said first-mentioned conical seat, and equipped at its external end

with screw threads, said closure means being equipped with a shoulder between said conical seat and said last-mentioned screw threads; a bonnet having screw threads adapted to cooperate with the screw threads on said tubular member and a seat portion adapted to cooperate with said shoulder, said bonnet thus acting to hold



said closure means in place within said tubular member, with said conical seats in contact with each other to prevent entry of any material present in said vessel into said tubular member; and means adapted to cooperate with the screw threads on said closure means and with said bonnet to disengage said conical seats.

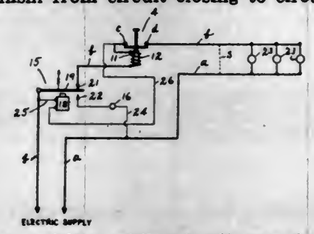
2,202,534
ELECTRIC TIME LOCK FOR SAFES
John V. McGunn, Chicago, Ill.
Application July 28, 1939, Serial No. 287,079
12 Claims. (Cl. 70—274)



1. An electric time lock for safes, including a retractible locking bolt, means on the outside of the safe door for manually retracting the bolt, control means on the inside of the safe for predetermining a time at which such manual retraction may take place, said control means including an electric clock mechanism, a rotatable setting pointer on the clock, a latch associated with the clock mechanism, the end of the latch acting against the bolt retracting means to normally retain the same in non-bolt retracting position, gear and cam means operated by the clock mechanism for moving the latch out of bolt locking position and an emergency release for the manually retractable bolt.

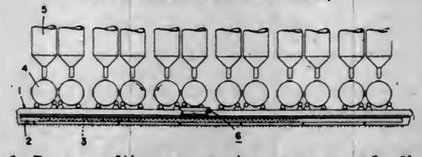
2,202,535
WALL BOX SWITCH
Frank Pedatella, New Kensington, Pa.
Application March 25, 1937, Serial No. 132,957
4 Claims. (Cl. 175—294)

1. In a unit switch structure including a snap-action switch mechanism for controlling an electrical load circuit, a manually operable trigger arranged in conventional organization with said switch mechanism and movable between "on" and "off" positions for throwing said mechanism between circuit-closing and circuit-interrupting positions, a circuit-protecting device, including an actuating coil, adapted upon an electrical overload in said circuit to throw said switch mechanism from circuit-closing to circuit-inter-



rupting position, while simultaneously shifting said trigger from "on" to "off" position; the improvement herein described that consists in an auxiliary circuit-protecting device including an actuating coil electrically connected in shunt across the actuating coil of the device first mentioned, with the effect that, when said trigger is thrown into "on" position while an overload exists, the actuating coil of said auxiliary device is effectively energized to produce a circuit-protecting operation of such auxiliary device.

2,202,536
MALTING APPARATUS
William A. Peterman, Milwaukee, Wis., assignor to Galland-Henning Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application December 10, 1938, Serial No. 244,874
2 Claims. (Cl. 195—131)

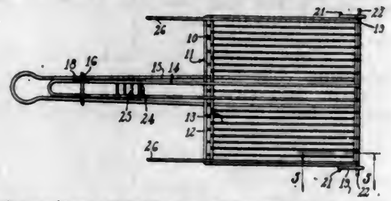


1. In a malting apparatus, a gang of alined pneumatic malting drums rotatably mounted in parallel axial relation upon a foundation provided with an elongated pit extending transversely below said drums, each of said drums being provided with a plurality of spaced alined circumferential openings intermediate its ends, a longitudinal conveyor positioned in said pit in alignment with the openings in said drums, and a portable hopper mounted above said conveyor and movable longitudinally of the same for selective vertical alinement with the openings in each drum for receiving grain therefrom and uniformly delivering the same to said conveyor.

2,202,537
BROILER
Caesar Rossini and Tazio D. Pieragostini, New Haven, Conn.
Application November 28, 1939, Serial No. 306,438
9 Claims. (Cl. 53—5)

1. A broiler comprising a pair of cooperating grid members, a handle secured at one side of each of said grid members projecting therefrom, means to clamp said members together, members hingedly connecting said grid members at the sides thereof opposite the handles, said connect-

ing members comprising means on one grid providing slots in inclined relation relatively to the plane of the grid, and a trunnion upon the other



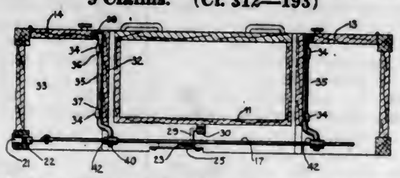
grid member slidable in said slots, and cooperating means on said handles to limit movement of said trunnions in one direction in said slots.

2,202,538
LINE CONDUCTOR REINFORCEMENT AND TIE
Rolf Selquist, McKeesport, Pa., assignor to Copperweld Steel Company, Glassport, Pa., a corporation of Pennsylvania
Application July 10, 1936, Serial No. 89,911
3 Claims. (Cl. 174—42)



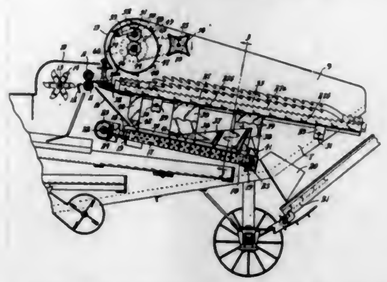
1. The combination with a line conductor adapted to be supported at spaced points therealong, of means for increasing the rigidity of said conductor for a short distance therealong at said points, said means including a preformed helix of hard-drawn wire having a pitch several times its diameter and capable of substantial elastic deformation manually, whereby it may be laid sidewise against said conductor and wrapped therearound without permanent deformation of the helix, the inside diameter of the helix being substantially equal to the outside diameter of the conductor, whereby the helix when so applied to the conductor has a tight frictional grip thereon at all points along the helix, said helix having a length of relatively straight wire integral therewith and annealed to permit it to be manually deformed beyond the elastic limit in the field.

2,202,539
FURNITURE LOCK
James C. Siegel, New York, N. Y.
Application September 2, 1937, Serial No. 162,129
9 Claims. (Cl. 312—193)



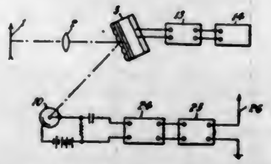
8. An article of furniture having a series of sliding drawers and a series of compartments closed by swinging front doors, a horizontally sliding locking member, means whereby said locking member locks said drawers when said locking member slides horizontally, a rod for locking each of said front doors, means supporting said rods in position, cam plates secured in adjustable horizontal relation to said sliding locking member, and means on said cam plates for connection with each of said rods in any one of a plurality of vertical positions, whereby horizontal movement of said cam plates moves said rods relatively to said supporting means and into door locking position.

2,202,540
CORN HUSKING MACHINE
Walter W. P. Stelter, Echo, Minn.
Application December 18, 1936, Serial No. 116,593
10 Claims. (Cl. 130—5)



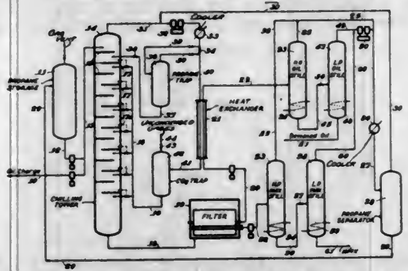
1. In a corn husking machine, pairs of cooperating oppositely rotating husking rolls forming bights therebetween, said rolls being parallel to each other and one pair of rolls being adjacent to another pair, fixed guard plates overlying the adjacent halves of the two adjacent rolls of adjacent pairs directing the ears to the bights between cooperating rolls, vertical dividers fixed carried by said guard plates and side wings attached to said vertical dividers, said side wings acting in conjunction with the dividers to retard the ears of corn passing over the rolls and to assist in aligning the ears with the bight between rolls.

2,202,541
TELEVISION AND LIKE SYSTEM
Franz von Okolicsanyi, Kensington, London, England
Application December 8, 1936, Serial No. 114,729
In Germany December 12, 1935
11 Claims. (Cl. 178—6)



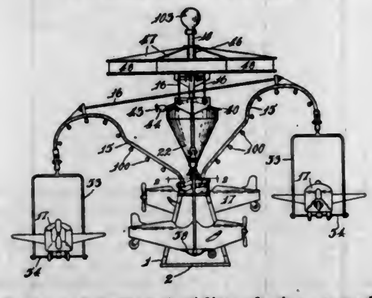
1. In a television and the like transmission system, a light sensitive cell, a transmitting circuit connected to said cell, a system of reeds capable of free vibration for a considerable period of time in their resonant frequency after the cessation of an exciting impulse and placed in the path of light emerging from an elemental area of an object to be transmitted towards said cell so that each reed controls said light's falling upon said cell, each of said reeds being tuned to a different frequency, and means for generating vibration exciting impulses of a sequence shorter than said period of free vibration of said reeds and thereby sufficient for maintaining said reeds in continuous oscillation, whereby each element of an object is transmitted as a modulation of a distinct carrier wave.

2,202,542
CONTINUOUS CHILLING PROCESS FOR DEWAXING
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 18, 1938, Serial No. 196,608
10 Claims. (Cl. 196—18)



5. The method of continuously chilling a diluted wax-oil to effect the solidification of wax in separable form which comprises introducing said diluted waxy oil at the top of a chilling zone, cascading said diluted oil from the top to the bottom of said chilling zone, introducing at spaced points along said chilling zone a liquefied gas of substantially higher vapor pressure than the vapor pressure of the diluent, whereby the liquefied gas is vaporized throughout the length of the chilling zone, and whereby the vaporized liquefied gas promotes partial vaporization of diluent throughout the chilling zone, withdrawing chilled slurry from the base of said chilling zone, separating wax from diluted oil, removing and compressing gases and vapors from the top of said chilling zone, cooling said compressed gases and vapors to obtain liquefaction thereof, and returning the liquefied gases at spaced points along said cooling zone.

2,202,543
AMUSEMENT RIDING APPARATUS
Raymond R. Walker and George S. Hahne, Follansbee, W. Va.
Application July 1, 1939, Serial No. 282,531
2 Claims. (Cl. 272—44)



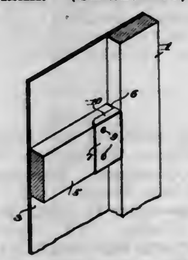
1. In an amusement riding device, a pedestal base, an undulated circular track borne by said pedestal base, a driven shaft extending vertically through the center of said track, axles attached to said shaft intermediate their opposite ends and rockable about pivot pins connecting said axles to said shaft, rollers carried by the opposite ends of each axle and adapted to travel over said trackway, and a supporting arm for a passenger car attached to each axle at a point adjacent its outer end but inwardly of said track.

2,202,544
TRAIN ORDER DELIVERING DEVICE
Edward Clyde Weatherly, Redfield, S. Dak.
Application January 23, 1939, Serial No. 252,285
3 Claims. (Cl. 258—2)



3. A train order delivering device comprising a receiving tube mounted in the ground, a standard telescopically received within said tube and extensible upwardly therefrom, means for holding said standard so extending to prevent unintentional rotation of said standard, a plurality of delivery units, each unit comprising a hook equipped bar, an upper arm and a lower arm pivotally connected at their inner ends to said bar and projecting outwardly therefrom, a pair of cord holders releasable on pressure applied to the cord held thereby and carried respectively by the ends of said arms, a stop, limiting possible upward swinging movement of the upper arm, a strut pivotally connected to the upper arm and normally bearing against the lower arm and a third cord holder releasable upon pressure applied to the cord held thereby and carried by the strut and inwardly disposed relative to the bar from said pair of cord holders, said three cord holders being adapted to support a message carrying cord strung therefrom in triangular outline, said standard including means for receiving the hooks of said bars with a pair of said units disposed in a plane at right angles to the plane in which a third unit is disposed.

2,202,545
CLEAT FASTENING DEVICE FOR BOXES
Jesse H. Webb, Rochester, N. Y., assignor to Rochester Box & Lumber Co., Rochester, N. Y., a corporation of New York
Application January 16, 1939, Serial No. 251,166
1 Claim. (Cl. 217—70)



In a box structure comprising walls of thin material, the combination with side cleats extend-

ing endwise and secured to said walls, and a reinforcing cleat also secured to said walls and extending crosswise between two side cleats, of fastening devices at both ends of the reinforcing cleat securing it between the two side cleats, each of said fastening devices including two right-angle portions, one of which right-angle portions is located against one edge of a side cleat, said last mentioned right-angle portion extending entirely across said edge of the side cleat and having a length equal to the width of the reinforcing cleat, securing means attaching said right-angle portion to said edge of the side cleat, the ends of the reinforcing cleat abutting the right-angle portions of the fastening devices adjacent thereto and being coextensive with said right-angle portions, the other of said right-angle portions overlying the outer face of the reinforcing cleat and extending entirely thereacross, securing means attaching the last mentioned right-angle portion to the outer face of the reinforcing cleat, and flanges extending inwardly from the ends of said last mentioned right-angle portion and embracing the opposite edges of the reinforcing cleat, said flanges extending entirely across the ends of said right-angle portion and the inner ends of said flanges abutting the adjacent edges of said first mentioned right-angle portions.

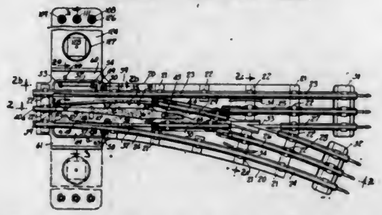
2,202,546

TOY RAILROAD TRACK SWITCH

Joseph L. Bonanno, Forest Hills, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York

Application November 26, 1937, Serial No. 176,525

11 Claims. (Cl. 246—219)



1. In a trackage unit for toy railroad track switches, a cast base, outside uninterrupted main and branch line wheel bearing rails, a shiftable switch tongue secured to the base between said outside rails, diverging wheel bearing rail elements insulatedly secured to the base, each parallel with an outside rail and disposed opposite thereto to convey the wheels of one side of a toy railroad truck to and from the tongue, the base having an aperture underneath the tongue and adjacent rails, a contact-carrying insulating plate closing the aperture, wires connected with the insulated rail elements and to contacts on the plate, movable switch elements cooperable with said contacts to control circuits including the insulated rail elements, and means for shifting the tongue and the switch elements simultaneously.

2,202,547

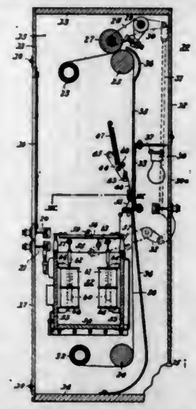
RECORDING APPARATUS

James E. Bushnell, Pittsburgh, Pa., assignor to Blaw-Knox Company, Blawnox, Pa., a corporation of New Jersey

Application December 17, 1938, Serial No. 246,348

3 Claims. (Cl. 234—66)

1. In a recording apparatus, a case including a front wall having a transparency therein through which the recordings can be observed, at least a portion of the front wall being openable, backing means spaced rearwardly from said wall adapted to support a record strip fed thereacross in front of said backing means, a plurality of pens mounted for pivotal motion only, spaced across the width of the case and in front of the backing means and adapted to engage the front face of a record strip, means above and below the backing means for guiding a record strip across said backing means and forming continuations of the backing means, upper and lower strip-feeding and take-up spindles removably journaled in the case adjacent the top and bottom of the case and between said front wall and said guiding means, whereby the spindles may be inserted and removed through said openable portion, and actuating mechanisms for said pens mounted in said case and spaced apart across the width of the case between the front wall and the lower strip guiding means, said lower spindle being disposed below said mechanisms.



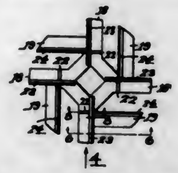
2,202,548

ROTARY CUTTER

Joseph Ciarlone, Fitchburg, Mass.

Application November 25, 1938, Serial No. 242,333

2 Claims. (Cl. 146—189)



1. A rotary cutter for a meat grinding machine having a square hub for fitting on a square part of the operating shaft and provided with four radial projections from the corners of said square hub, each projection having in the plane thereof a radial groove extending from the corner of said hub and slanted to a material angle from the plane of the face of the cutter and provided with an equal number of series of intersecting grooves extending at right angles to said first named grooves and a series of four blades fitting in the first named radial grooves, each blade having an integral cutting portion fitting in the second set of grooves, the second series of grooves extending inwardly at the same angle, so that both sets of four blades each will be located at the same angle to the face of the cutter.

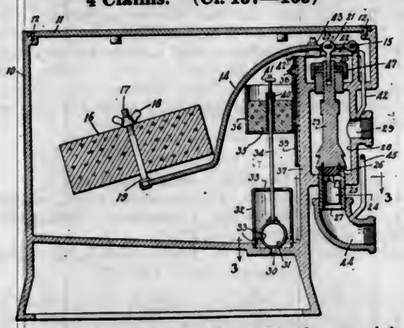
2,202,549

INTERMITTENT FLOW DEVICE

Frank Y. Donaldson, Glendale, Calif.

Application June 7, 1939, Serial No. 277,828

4 Claims. (Cl. 137—163)



1. An automatic sprinkler control comprising a chamber having an intake adapted to be connected with a source of water supply under pressure, and an outlet adapted to be connected with a water distribution line, a normally closed valve for controlling said outlet, a tank having a discharge opening, a normally closed valve controlling said discharge opening, float actuated devices for operating said valves, by-pass means operable while the first named valve is closed for conducting water at a predetermined rate of flow into said tank whereby to operate one of the float actuated devices to open and so maintain the first named valve when the water in the tank reaches and remains at or above a predetermined level, and another by-pass means operable while the first named valve is open, for introducing water at a predetermined rate of flow into said tank whereby to operate the other float actuated device for opening the second named valve and maintaining it open until a predetermined amount of water in said tank passes out of the discharge opening.

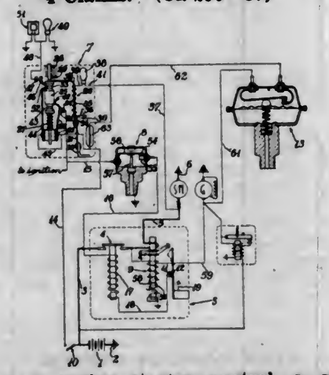
2,202,550

ENGINE STARTER CONTROL

Manuel H. Elkin, Elmira Heights, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application June 29, 1938, Serial No. 216,554

4 Claims. (Cl. 290—37)



1. In an engine starter control, a starting circuit including a magnetic starting switch, a control circuit therefor including a pair of contacts, means for holding the contacts normally closed including a slidable plunger, a latch holding the plunger in contact-closing position comprising two oppositely arranged thermostatic blades connected end to end, and a heating coil for one of said blades energized from the starting circuit to cause the latch to release the plunger and permit the contacts to open after a predetermined time of cranking.

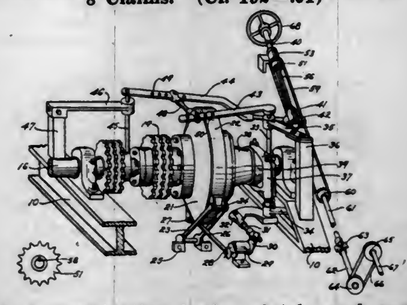
2,202,551

CONTROL MECHANISM

Roy Guffey, Dallas, Tex., assignor to Jones, Shelburne & Guffey, Inc., Oklahoma City, Okla.

Application May 1, 1939, Serial No. 271,067

8 Claims. (Cl. 192—.01)



1. A combination brake, clutch, and engine throttle control mechanism comprising: a rod mounted for simultaneous limited longitudinal reciprocating and axial oscillatory movement; operative connections between said rod and said engine throttle for actuating said throttle as said rod is rotated in either direction regardless of the relative longitudinal position and movement of the rod; and operative connections between said rod, said brake and said clutch for releasing said brake and successively engaging said clutch as said rod is moved from one end of its throw to the opposite end thereof, and for disengaging said clutch and successively applying said brake as said rod is moved from said opposite end of its throw to the first mentioned end thereof.

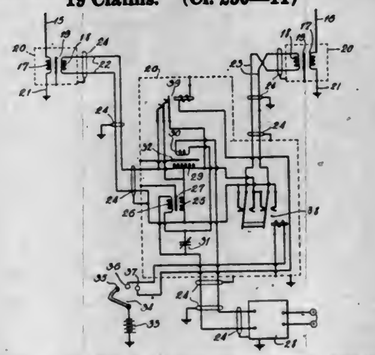
2,202,552

RADIO DIRECTION FINDER

Joseph I. Heller, Brooklyn, N. Y., assignor to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey

Application January 25, 1934, Serial No. 708,189

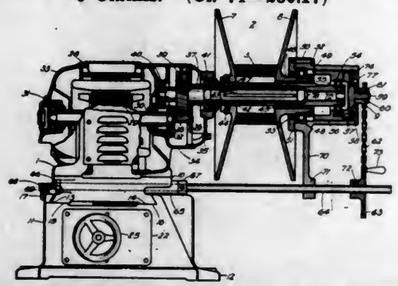
19 Claims. (Cl. 250—11)



19. In a radio direction indicating system, a

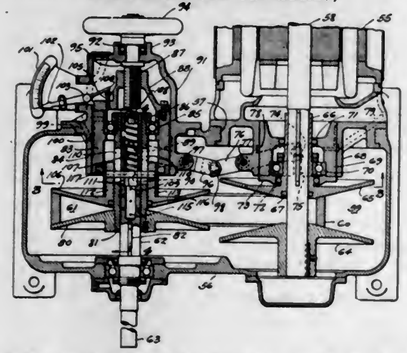
course-indicating device, a plurality of energy collectors, means for inducing voltages having a circle pattern from voltages received by said collectors, means for inducing voltages having a figure-of-eight pattern from voltages received by said collectors, means for combining said induced voltages, and means for supplying said combined voltages to said course-indicating device to give a continuous, positive course indication.

2,202,553
ELECTRICALLY DRIVEN VARIABLE SPEED DRIVE SYSTEM
Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application June 24, 1935, Serial No. 28,158
6 Claims. (Cl. 74—230.17)



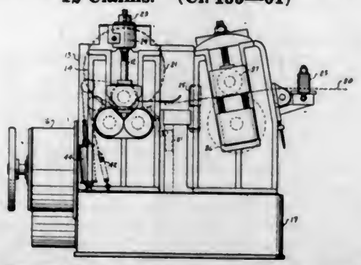
1. In a variable speed power unit for driving a load, an electric motor, a driving pulley structure adapted to be used with a driven pulley structure and having a pair of pulley sections with opposed inclined faces, forming by relative axial adjustment, variable effective pulley diameters, a shaft upon which said sections are supported, gearing between said shaft and the motor, a driven pulley structure, a base for the motor upon which the motor is mounted for movement in a direction transverse to the axis of the motor, for varying the center distance between the driving and driven pulley structures, and adjusting means for varying the effective pulley diameter, and rack and pinion mechanism for actuating said adjustment means in response to said movement of the motor with respect to the base.

2,202,554
VARIABLE SPEED POWER UNIT
Don Heyer and Thomas G. Myers, Los Angeles, Calif., assignors to U. S. Electrical Motors, Inc., a corporation of California
Application July 5, 1933, Serial No. 679,034
12 Claims. (Cl. 74—230.17)



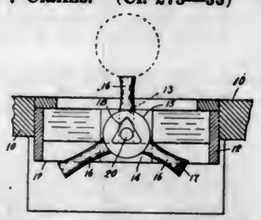
1. In a variable speed power unit, a driving pulley structure, a driven pulley structure, a flexible belt connecting the pulley structures, each pulley structure having a pair of relatively axially movable sections with opposed inclined faces, means for positively adjusting the relative axial positions of the driving pulley sections, means for adjusting one of the pulley sections of the driven pulley structure, and means for resiliently urging the other section of the driven pulley structure toward said one pulley section, whereby the belt tension is maintained substantially constant.

2,202,555
UNLOADING MECHANISM
Dwight A. Johnston, Youngstown, Ohio, assignor to McKay Machine Company, Youngstown, Ohio, a corporation of Ohio
Application January 9, 1939, Serial No. 249,879
12 Claims. (Cl. 153—61)



12. In combination with a bending machine having two anvil rolls and a bending roll, means to eject completed forms from said machine comprising means to engage an edge of said forms tending to move said forms away from said machine, and means responsive to the position of the trailing ends of said forms relative to the pass between said rolls to actuate said edge engaging means.

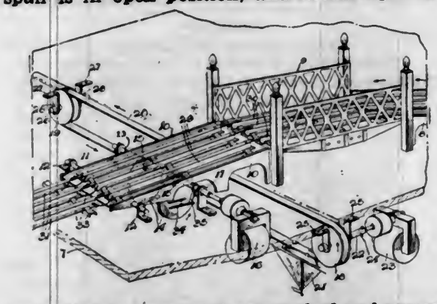
2,202,556
GOLF TEE
Arthur D. Jordan, Franklin, Mass.
Application June 2, 1939, Serial No. 277,008
7 Claims. (Cl. 273—33)



1. A golf tee comprising a support having an opening therethru, a shaft having its end portions freely rotatable in opposite sides of said opening, a finger fixed on and projecting radially from said shaft and having a ball-supporting face on its end, said shaft having a flat face at the opposite side thereof from said finger, and said support having a horizontal face arranged to engage the face on said shaft and support said finger in upright position.

2,202,557
TOY RAILWAY SYSTEM
Rudolph J. Jurick, Irvington, N. J.
Application June 1, 1938, Serial No. 211,109
19 Claims. (Cl. 246—72)

16. A toy system comprising, in combination, a toy bridge having a movable span closing a gap in the bridge when in closed position, a toy boat adapted to be moved through the gap when said span is in open position, and actuating means



controlled from a point external of and removed from said bridge and boat for moving the span to and from open position and for simultaneously moving the boat through the gap when the span is in open position.

2,202,558
PAPER OIL CONTAINER
Martin P. Kernahan, Phillipsburg, N. J., assignor to The Canister Company, Phillipsburg, N. J., a corporation of New Jersey
Application November 25, 1938, Serial No. 242,240
14 Claims. (Cl. 229—3.5)



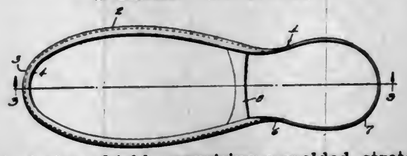
1. A paper oil container having applied end closures and a tubular paper body composed of an oil barrier part, including a relatively thin layer of parchmentized or grease-proof paper completely encased in adhesive on both of its sides, a surrounding backing for said oil barrier secured thereto, said backing including plural glued-together layers of chip-stock paper forming a continuously smooth support for said thin oil barrier, and a protective covering for the whole of said backing including one or more windings of moisture-proof paper.

2,202,559
COMB CLEANER
Patty Shepherd Keyser, Boise, Idaho
Application May 4, 1939, Serial No. 271,798
1 Claim. (Cl. 132—29)



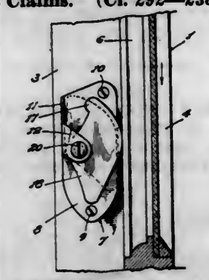
A comb cleaner of the class described comprising a supporting head, a hanger member carrying the head, cleaning strands folded over the head and having their free ends suspended therefrom, a clamping member fitting over the folded portions of the strands for firmly holding the strands upon the head against accidental displacement or slipping movement, said head having a plurality of perforations arranged throughout the length thereof, said clamp also having a plurality of perforations formed therein, the perforations providing means into which the strands are protruded when the clamp is clamped about the threads upon the head and providing a plurality of strand-receiving pockets to hold the strands against longitudinal slipping, said head comprising a tubular-like member, and the clamping member having a scallop-like gripping edge for firmly engaging the strands at the point where the strands leave the supporting head.

2,202,560
SHOE CLEANING SHIELD
Daniel C. Kloza, Harrison, N. J.
Application April 1, 1938, Serial No. 199,526
2 Claims. (Cl. 36—72)



1. A shoe shield comprising a molded, stretchable band of approximately uniform thickness, having a substantially oval and symmetrical contour, which is adapted to be snapped over and to maintain itself snugly adjacent the entire sole edge extension and outer heel surface of a shoe to be shielded, and resilient webbing joining the long sides of the band and arranged to lie only under the shank of the shoe, the portion of the band adapted to contact the sole edge extension being concave in cross-section.

2,202,561
WINDOW HOLDER
Eugene A. Lahiere, Princeton, N. J., and Thomas Gillmet, Faust, N. Y.
Application April 25, 1938, Serial No. 204,194
Renewed August 7, 1939
2 Claims. (Cl. 292—238)



1. In a window holder, a frame adapted to be positioned on a side rail of a window and including a mounting plate projected to form a stop wall, said stop wall being projected in overhanging relation to define an ear, said mounting plate having openings to receive fastening devices whereby the window holder may be secured to the side rail, an engaging element carried by the frame between the ear and the mounting plate and within the confines of the frame when said element is in inoperative position, and means mounting the engaging element in the frame for pivotal movement, said means also aiding in securing the device to the side rail, said engaging element having a straight front wall curved at

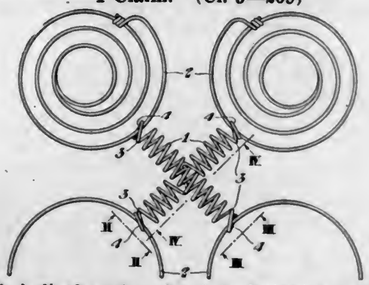
one end to define a camming surface engageable with a portion of a window sash for holding said sash in a fixed position and against downward movement, said front wall permitting free raising of the sash, said element having a rib engageable with the stop wall in retracted position, said stop wall limiting too great rearward movement of the element.

2,202,562
CROSSED HELICAL FURNITURE TIE SPRING

Carl M. Lind, Waukegan, and John H. Thomas, North Chicago, Ill., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application May 18, 1938, Serial No. 208,676

1 Claim. (Cl. 5—269)



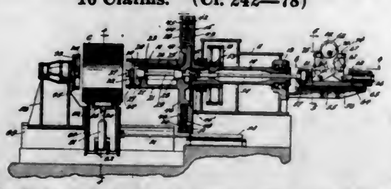
A helical spring for interfastening of furniture coil springs, characterized by terminating at its opposite ends with convolutions angling away from the others and having ends adjacent their junctions with the latter, said convolutions being of smaller diameter than the spring helix and said ends being spaced from said junctions distances less than the diameter of the wire from which the furniture springs to be interfastened are made, said ends of said convolutions pointing in approximately the same directions and said convolutions angling respecting the others to provide converging passages leading to the spaces between said ends and said junctions to provide for a wedging action when said helical spring is forced against a furniture spring in a direction opposite the pointing directions of said ends.

2,202,563
STRIP COILING MACHINE

Erik W. Mikaelson, Easton, Pa.

Application August 4, 1936, Serial No. 94,239

16 Claims. (Cl. 242—78)



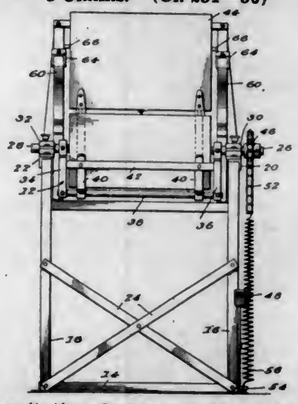
12. In a sheet metal strip coiling machine, a generally cylindrical mandrel mounted for revolution about its longitudinal axis, said mandrel comprising a plurality of relatively movable coil supporting parts and being contractible whether at will or automatically under pressure of the supported coil by relative movement of said parts, and mechanism for moving said mandrel parts relatively to each other at will, in order to expand or contract the mandrel, at least one portion of said mechanism being adapted to yield under the contractive force exerted through the mandrel by the strip coil supported thereon upon cooling, and thus permit the mandrel parts to move and the mandrel to automatically contract.

2,202,564
AGITATING MACHINE

Thaddeus C. Parker, Jr., Tampa, Fla.

Application August 8, 1938, Serial No. 223,741

3 Claims. (Cl. 251—56)



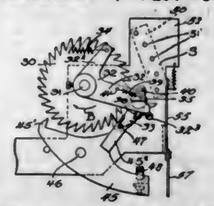
1. An agitating device including a frame having spaced upright standards, a shaft rotatably supported by said standards, a basket adapted to receive a box or the like fixed to said shaft, a hinged cover member carried by said basket, means for rocking said basket, a guideway carried by said frame, a guide follower fixed to said cover and extending into contact with said guideway whereby said cover is moved to open and closed position during the rocking of said basket.

2,202,565
TYPEWRITER

Roswell S. Reid, Morgantown, W. Va., assignor to West Virginia Newspaper Publishing Company, Morgantown, W. Va., a corporation of West Virginia

Application August 7, 1937, Serial No. 157,964

10 Claims. (Cl. 197—84)



10. A typewriter comprising the combination with a carriage, means tending to advance the carriage, key bars, and type of various widths, of mechanism for releasing the carriage after printing of a letter and thereafter stopping the same after it has travelled a distance corresponding to the width of the letter printed, said mechanism including a carriage operated escapement ratchet wheel, a pawl carrying member movable generally about the periphery of said ratchet wheel, a pawl pivoted on said member and normally engaging said ratchet wheel, means for releasing said pawl from said ratchet wheel when a key is depressed, means for moving said member with respect to the ratchet wheel when said pawl is released, a stop disposable in the path of said pawl to limit the movement of said

member and pawl and cause the pawl to swing back into engagement with said ratchet wheel at another point.

2,202,566
TAMPONS AND OTHER POROUS ARTICLES AND PROCESS FOR PRODUCING SAME

Wilhelm Schulte, Meppel, Netherlands, assignor to N. V. Koninklijke Pharmaceutische Fabrieken v/h Brocades-Stheeman & Pharmacia, Meppel, Netherlands, a limited-liability company of the Netherlands

No Drawing. Application February 2, 1937, Serial No. 123,727. In the Netherlands February 7, 1936

8 Claims. (Cl. 18—54)

1. Porous products consisting at least partly of animal material containing aerated elastin or collagenous fibers and exhibiting a spongy texture.

4. A process for the production of porous products, which comprises swelling animal material containing elastin or collagenous fibers in a swelling medium, teasing out the swollen material, distributing a gas throughout said material, subjecting said material to the action of a shrinking agent for the swollen fibers, and freeing said material from surplus water and working it up into the desired form.

2,202,567
RINGLIKE DEVICE

Isidore Spinner, Chicago, Ill.

Application June 14, 1937, Serial No. 148,012

8 Claims. (Cl. 129—1)



5. A binder comprising a resiliently expansible and contractible split ringlike member having spaced jaw edges, an insert terminating at and pinched by said edges and forming with said member a complete annulus capable of unlimited rotation through a binding hole in material to be bound, and means on said member and insert for preventing accidental disassembly thereof.

2,202,568
TILED WALL

Ralph C. Worden, Buffalo, N. Y.

Application August 30, 1937, Serial No. 161,619

14 Claims. (Cl. 189—88)



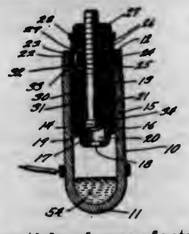
1. A tiled wall including a backing plate of sheet metal which is bent to form a plurality of horizontal channels, and a plurality of sheet metal tiles each having a plurality of edges arranged at an angle relative to each other and a row of teeth on each of said edges, the teeth of some of said rows engaging lengthwise with the same channel of the backing plate and the teeth of other rows engaging transversely with different channels of said plate.

2,202,569
MERCURY SWITCH

Fred S. Armstrong, River Forest, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois

Continuation of application Serial No. 561,500, September 5, 1931. This application April 23, 1934, Serial No. 721,994

34 Claims. (Cl. 200—152)



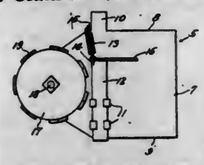
1. As a new article of manufacture, a mercury switch device comprising an iron shell constituting a terminal of an electric circuit, another iron circuit terminal extending longitudinally into said shell and insulated therefrom, a resiliently compressible plug of substantially pure rubber located between the second mentioned iron circuit terminal contact and the shell, a body of metallic mercury within the shell and constituting a circuit-making-and-breaking means, substantially pure hydrogen gas under pressure greater than atmospheric within the shell, said rubber plug being compressed for resilient reaction in joint-sealing contact with the two iron parts and exposed to the pressure of the hydrogen gas, and an electric circuit in which said switch device is interposed by connection on the one hand of the shell, and on the other hand of the second mentioned iron contact terminal with the circuit wires.

2,202,570
ICE CREEPER

Carl Clifford Beckel, Clemmons, N. C.

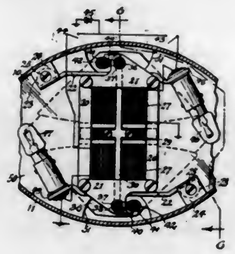
Application December 23, 1938, Serial No. 247,525

3 Claims. (Cl. 36—62)



1. A device of the character described comprising a plate-like member, an integral U-shaped jaw extending from one side edge portion of said plate-like member, a second sliding U-shaped jaw positioned opposite said integral U-shaped jaw, means for sliding said second U-shaped jaw towards said integral U-shaped jaw to clamp the plate and U-shaped jaws to a shoe sole, and a disk-like pronged element secured at its center to said plate.

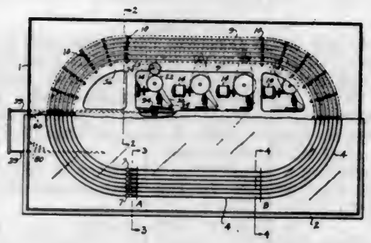
2,202,571
DIRECTION SIGNAL
Otto Braun, Buffalo, N. Y.
Application February 27, 1939, Serial No. 258,656
1 Claim. (Cl. 177—327)



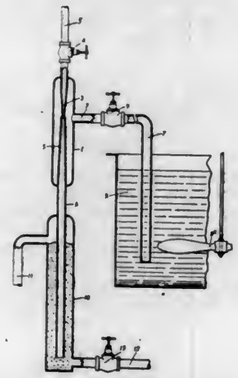
A direction signal comprising a casing provided on its opposite sides with sight areas, a frame arranged within said casing, pairs of shutters arranged on opposite sides of said frame, the members of each pair having their opposing free front ends of a contour for forming a direction indicator in connection with the form of the adjacent part of a sight area and the rear ends of said shutters being pivoted on said frame on opposite sides of the central part of the respective sight area, cranks on said shutters, the crank of a shutter of one pair being arranged laterally in one direction from a line extending through the pivots of the respective pair of shutters and the crank of the companion shutter being arranged laterally in the opposite direction from this line, vertical shifting rods movable vertically on opposite sides of the frame and each provided at its opposite ends with slotted arms which receive the cranks of a pair of shutters, one of said arms extending in one direction from said rod and the other arm extending in the opposite direction from said rod, an armature arranged between said shifting rods and connected at its opposite ends therewith, electromagnets mounted on said frame between said vertical rods and having their poles facing opposite sides of said armature and adapted to move said armature and the parts connected therewith upon energizing one or the other of said electromagnets, horizontal connecting bars arranged across opposite ends of the frame and each connected at its opposite ends with the corresponding ends of said shifting rods, and centering springs having their inner ends engaging with opposite ends of said frame and their outer ends engaging the central parts of said connecting bars.

2,202,572
RACING MACHINE
Armand R. Casstevens, Houston, Tex.
Application November 4, 1938, Serial No. 238,772
8 Claims. (Cl. 273—86)

1. A racing machine comprising a race track having a post, or starting position, and a finish position, means for moving the racers about the track from finish position to post position, means for automatically rendering the moving means temporarily inoperative when all the racers reach post position and then rendering the moving means operative, means for thereafter maintaining the moving means operative to move the racers completely around the track to post position and on to finish position and means at finish position arranged to be actuated, upon arrival of the leading racer at final finish position, and effective to render the moving means inoperative and to stop all the racers.



2,202,573
MANUFACTURE OF STARCH PASTE
Philip Dalton Coppock, Bebington, Wirral, England, assignor to The Distillers Company Limited, Edinburgh, Scotland, a British company
Application October 3, 1938, Serial No. 233,126
In Great Britain October 13, 1937
1 Claim. (Cl. 127—28)

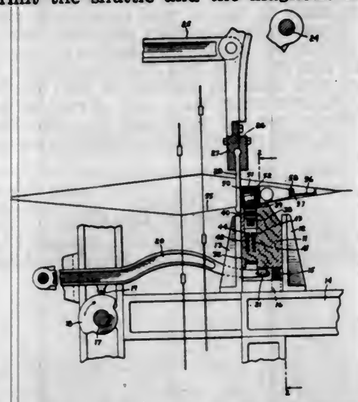


An apparatus for manufacturing starch paste comprising a mixing chamber, an ejector within said mixing chamber having a steam supply under pressure in connection therewith, means for conveying amylaceous material suspended in water into said chamber for forming a mixture with the steam issuing from said ejector, a collecting chamber having an outlet in its upper portion and a conduit for conveying said mixture from said mixing chamber to a point within said collecting chamber adjacent the bottom thereof.

2,202,574
SHUTTLE DRIVING MECHANISM FOR LOOMS
George Crompton, Jr., Worcester, Mass.
Application January 13, 1939, Serial No. 250,821
3 Claims. (Cl. 139—134)

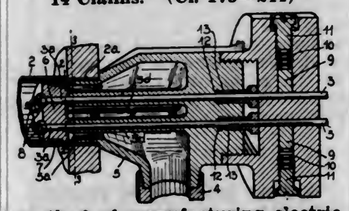
1. In a loom, a reed, means to move the reed, a lay, a race on said lay, a shuttle on said race, magnetic means in the lay to drive said shuttle, said reed being at that time behind said shuttle,

and means to raise and lower the lay, whereby to permit the shuttle and the magnetic means



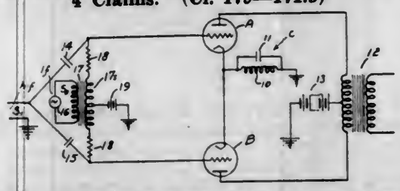
to be brought close together, the reed moving to beat up the weft when the lay is lowered.

2,202,575
ELECTRICAL CABLE AND CONDUCTOR AND PROCESS FOR MANUFACTURING THE SAME
André Deroche, Fontgombaut, France
Application April 27, 1937, Serial No. 139,325
In Belgium April 30, 1936
14 Claims. (Cl. 173—244)



1. A method of manufacturing electric cables and conductors, comprising a mineral insulating material compressed between the conductors and a tubular external sheath, consisting in disposing a stopper inside said external sheath, causing said stopper to slide inside said sheath, causing said stopper to drive the conductors during its sliding, and introducing the mineral insulating material in said sheath while the stopper and the conductors driven thereby are progressing therein.

2,202,576
MODULATION SYSTEM
Robert L. Drake, Chicago, Ill., assignor to Bendix Radio Corporation, Chicago, Ill., a corporation of Delaware
Application January 31, 1938, Serial No. 187,791
4 Claims. (Cl. 179—171.5)



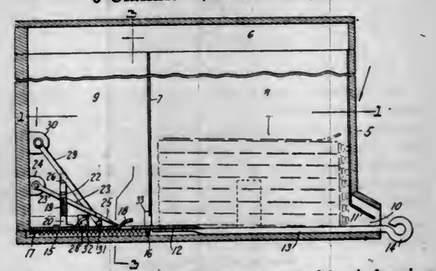
1. In modulating apparatus, a pair of electric discharge devices arranged in push-pull relation, each of said devices having an anode, a cathode and a grid, means for varying at one frequency the potentials of said grids with respect to their associated cathodes and in the same phase relation, means for varying the potentials of said grids with respect to their associated cathodes in different phase relation and at another frequency, and means responsive only to space current in said devices of substantially said other frequency for equalizing the total space current flowing in said devices.

2,202,577
DENTAL IMPRESSION MOLD
Louis W. Evans, Salineville, Ohio
Application January 11, 1939, Serial No. 250,449
1 Claim. (Cl. 32—17)



A dentist's tray comprising upper and lower mold plate sections clamped together to provide a tray, a sheet of rubber between the sections, the upper section being cut away at predetermined points to expose the rubber sheet, a pair of tubes communicating with the exposed portions of the rubber sheet and adapted to selectively supply hot water or air pressure for deforming the exposed portions of the rubber sheet to shape the impression material accurately to the contour of the mouth and gums when an impression is being taken.

2,202,578
COIN CONTROLLED VENDING APPARATUS
Clarence A. Friemering, Dayton, Ohio
Application June 1, 1939, Serial No. 276,844
6 Claims. (Cl. 194—57)



1. In a vending apparatus, a cabinet having means to support articles to be vended, an ejector mounted in said cabinet for forward ejecting movement, means for actuating said ejector, a gravity coin chute connected with said ejector for movement thereby and having at its upper end a coin receiving opening and having at its lower end a coin discharge opening, means adjacent said discharge opening to retain coins in said chute when said chute is in its rearmost position and to release said coins when a predetermined forward movement has been imparted to said chute, a locking member carried by said ejector in front of said chute, said chute having an opening spaced such a distance from said retaining means that when a predetermined number of coins has been inserted in said chute the coin last inserted will extend across the last mentioned opening, a second locking member

movably mounted on a fixed support in said cabinet and having a locking part which normally cooperates with the first mentioned locking member to prevent ejecting movement of said ejector, said locking member also having a second part spaced from said locking part and positioned in front of said chute to be engaged and actuated by said last coin to move said locking part to an inoperative position when said chute is moved forwardly with said predetermined number of coins therein and to extend through said opening in said chute with said locking member in its operative position when said chute is moved forwardly with less than said predetermined number of coins therein.

2,202,579

WOOD IMPREGNATING SOLUTION

Bror Olof Häger, Stockholm, Sweden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden, a limited joint-stock company of Sweden

No Drawing. Application November 4, 1937, Serial No. 172,854. In Sweden September 30, 1937

7 Claims. (Cl. 134—78.6)

1. In a wood impregnating solution containing a wood preservative from the class consisting of arsenic acid, alkali metal salts of arsenic acid, and water soluble salts of zinc and copper together with a chromate fixing agent; a regulating agent selected from the class consisting of chlorates, persulphates and permanganates, said regulating agent being present in an amount not substantially greater than 5% of the weight of total chemical solids in the solution.

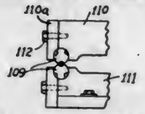
2,202,580

APPARATUS FOR FABRICATING FLEXIBLE SHAFTS

Lewis F. Hahn, Hatboro, Pa.

Application July 10, 1937, Serial No. 152,925

14 Claims. (Cl. 219—1).



12. Apparatus for severing flexible shafting by passing an electrical current through a short portion of the shafting including two pairs of clamping jaws, an adjustable clamping electrode having a plurality of clamping grooves supported in at least one jaw of each of said pairs of clamping jaws and means for supporting said electrodes in said jaws for movement relative thereto for adjustment purposes.

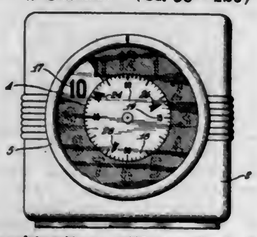
2,202,581

TIME INDICATING MECHANISM

Nathan Hammer, New York, N. Y.

Application May 31, 1939, Serial No. 276,676

2 Claims. (Cl. 58—126)



1. In combination with a clock having time shafts, a time dial having outer and inner time zones each provided with time denoting indicia, a disk fixed to one of said shafts and provided with a transparent portion overlying said inner zone and an opaque portion having a transparent section and overlying said outer zone, and a transparent disk fixed to another of said shafts and overlying said inner zone, each of said disks having indicia coacting with said time denoting indicia and said section for indicating time on said dial.

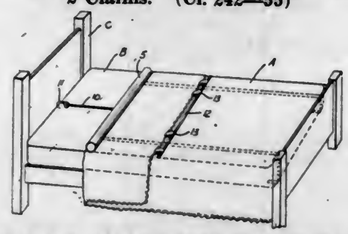
2,202,582

BEDSPREAD ROLLER

Naomi W. Higginbotham, Los Angeles, Calif.

Application July 19, 1938, Serial No. 220,086

2 Claims. (Cl. 242—55)



1. A device of the character described, comprising a roller adapted to extend across a bed, spring bands wound on said roller and having one end attached thereto, hooks carried by the opposite ends of the bands adapted to hook under a mattress, means carried by the roller for attaching the same to a mattress, and means carried by the roller for attaching a spread to the roller whereby, when the bands are unwound and the device applied to the mattress, the release of the roller attaching means will allow the roller to roll on the mattress and wind the spread thereon.

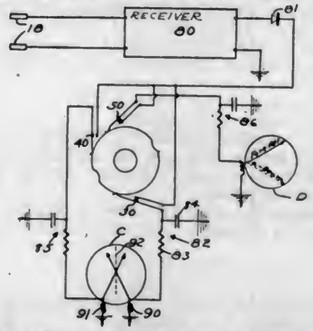
2,202,583

RADIO DIRECTION FINDER

William P. Hilliard, Washington, D. C., and Reed R. Brunner, Chicago, Ill., assignors to Bendix Radio Corporation, Chicago, Ill., a corporation of Delaware

Application July 1, 1938, Serial No. 217,036

9 Claims. (Cl. 250—11)



7. In a radio direction finder, a directional antenna, power means constantly rotating said antenna, a receiver connected to said antenna, an output circuit connected to said receiver and including a rectifier, an indicator, means periodically connecting said indicator with said output circuit upon a predetermined angular position of said antenna, a ratio indicator, and means connecting said ratio indicator with said output circuit upon other successive angular positions of said antenna, whereby the ratio between the output energies of said antenna at said successive angular positions may be determined.

2,202,584

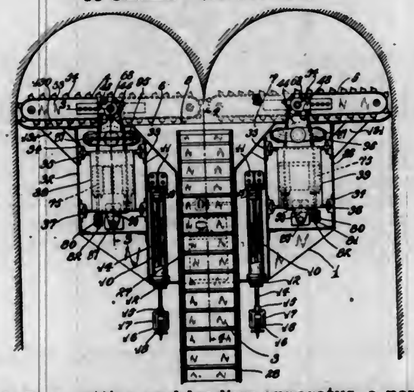
MINING APPARATUS

Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application June 18, 1935, Serial No. 27,212

Renewed September 15, 1939

33 Claims. (Cl. 262—28)



1. In a cutting and loading apparatus, a portable base, a conveyor mounted centrally on said base, vertical guideways on said base at the opposite sides of said conveyor, core cutting means mounted in said guideways at the opposite sides of said conveyor for cutting simultaneously a series of superimposed parallel kerfs in the coal of a coal seam to form a series of superimposed parallel cores between the kerfs, and means for bodily adjusting said core cutting means vertically along said guideways.

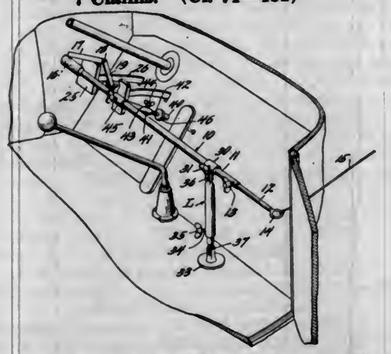
2,202,585

AUTOMOTIVE TOOL

Cedric Roy Jordan, Sr., Marion, S. C., assignor of twenty-seven and one-half per cent to William D. Cross and twenty-seven and one-half per cent to Rupert B. Gasque, both of Marion, S. C.

Application October 9, 1939, Serial No. 298,720

7 Claims. (Cl. 74—481)



1. A tool of the type described comprising in combination, an elongated member having means whereby it may be attached to a stationary portion of a motor vehicle for rocking movement about an axis, second means spaced from said first means for supporting said member for rocking movement in a generally horizontal direction about said axis, a tension element for applying a substantially horizontally directed force to said member to effect rocking movement thereof, and a device mounted on said member for transmitting the motion thereof to a starter switch button when said member is rocked about said axis.

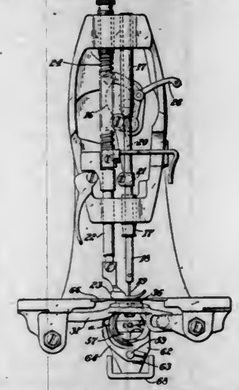
2,202,586

SEWING MACHINE

John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application March 25, 1939, Serial No. 264,093

17 Claims. (Cl. 112—181)



1. In combination with a reciprocatory eye-pointed needle, a rotary hook cooperating therewith and having a plurality of loop-seizing beaks, and means for imparting to said hook more than one complete rotation for each reciprocation of the needle.

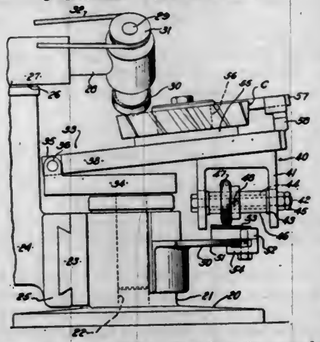
2,202,587

GRINDING MACHINE

Harry E. Kitchen, Buffalo, N. Y., assignor to Farrel-Birmingham Company, Inc., Buffalo, N. Y.

Application March 31, 1939, Serial No. 265,194

3 Claims. (Cl. 51—96)



2. A grinding machine having in combination a grinding wheel, a head, means for mounting

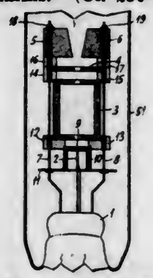
said head for oscillating movement beneath said wheel, a cutter supporting plate carried for hinged movement by the head on an axis transverse to the axis of oscillation of the head, a cam roller carried by the plate, a stationary cam supporting the roller and plate and formed to cause the uniform raising and lowering of the hinged plate during movement of the head in each direction.

2,202,588

ELECTRODE SYSTEM FOR CATHODE RAY TUBES

Heinrich Kniepkamp, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application June 22, 1938, Serial No. 215,099
In Germany June 23, 1937
2 Claims. (Cl. 250—162)



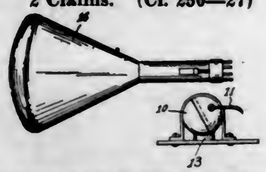
1. In a cathode ray tube in which a gun structure is provided for generating a beam of electrons, said gun structure including a cathode, a control electrode and a plurality of accelerating and focusing electrodes, one of said last named electrodes comprising a carbon cylindrically shaped member and a pair of centrally perforated planar carbon end members, said members being provided with diametrically opposed unitary extensions, said extensions being provided with openings parallel with the axis of the cylindrical member, and insulating means for maintaining said ends of members in contact with the ends of the cylindrical member with the perforations of the end members in alignment with the axis of the cylindrical member.

2,202,589

ADJUSTABLE SUPPORT FOR ELECTRICAL APPARATUS

Helmut Köhler, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application September 23, 1937, Serial No. 165,256
In Germany September 5, 1936
2 Claims. (Cl. 250—27)



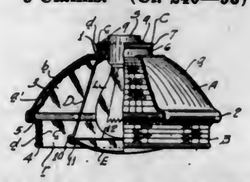
1. In an apparatus wherein an electromagnetic means is positioned adjacent an electromagnetic responsive device comprising a spherical magnetic casing for surrounding the electromagnetic means, support means for said spherical casing permitting rotation of the casing about any axis, and means for clamping said casing in said support means whereby the electromagnetic means may be so positioned to have a minimum effect on the responsive device.

2,202,590

LIGHTING SHADE

John A. Korengold, Chicago, Ill.

Application April 22, 1937, Serial No. 138,327
5 Claims. (Cl. 240—93)



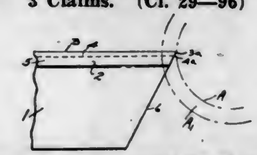
4. A lighting device for co-operation with a light source comprising, in combination, a concave reflector and a transparent bowl disposed within the reflector for interposition between the reflector and the light source, said bowl being provided at its enlarged end with a diametrally reduced skirt extending axially outwardly therefrom beyond the margin of the reflector, said skirt being provided on its inwardly presented face with a prismatic surface.

2,202,591

PARTING TOOL

John M. Luers, Chesterfield Township, Macomb County, Mich.

Application May 25, 1939, Serial No. 275,716
3 Claims. (Cl. 29—96)



1. A parting tool comprising a body, a head extending longitudinally along of side of the body, the opposite sides of the head projecting laterally beyond the sides of the body, the outer edge face of the head having a plurality of cutting surfaces formed longitudinally therealong parallel to one another but on different planes whereby at least one cutting surface projects outwardly beyond the remainder of the head, the sides of the head portions whereon the cutting surfaces are formed being all inclined towards the body at less than 90° to the included cutting surfaces whereby undercuts are formed beneath the said surfaces to completely sever the chips cut by each surface from one another, the head being inwardly inclined at one extremity towards the body whereby cutting edges are formed across the junctions of the cutting surfaces with said extremity, and the tool being adapted to be fed into the work with its cutting surfaces longitudinally disposed along lines substantially radial to the work.

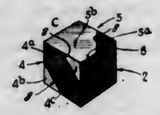
2,202,592

BUILDING BLOCK

William L. Maxson, South Orange, N. J.

Application February 25, 1937, Serial No. 127,652
6 Claims. (Cl. 46—25)

1. A cubical toy building block of the class described, having a plurality of facets each provided with a non-reentrant polygonal figuration having block edge boundaries which run in each instance either to or halfway to an adjacent corner whereby all design areas formed by two adjacent facets when brought into engagement



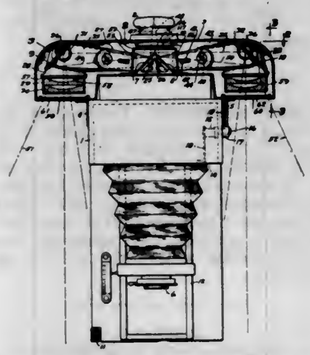
with each other will have meeting edges whose length is equal to at least one half of the block edge regardless of the particular facets thereof arranged in juxtaposition.

2,202,593

COMBINATION RANGE AND VIEW FINDER

Marcel E. Moreau, New York, and David Landfield, Bronx, N. Y.

Application May 5, 1939, Serial No. 271,982
5 Claims. (Cl. 95—44)



1. A camera having a lens, with a range and view finder mounted thereon, said range and view finder comprising an eye-piece in alignment with and on the axis of the camera lens, reflecting surfaces angularly positioned forming a V with the vertex thereof on the axis of and facing said eye-piece, side reflecting surfaces positioned beyond the sides of the camera remotely situated from the former reflecting surfaces cooperating with the former reflecting surfaces, each reflecting one-half of the object or field viewed through the eye-piece, each half being defined as extending from the center to one side and from end to end of the said object or field.

2,202,594

PIGMENTS FOR USE IN MANUFACTURE OF ARTIFICIAL SILK

Harry Donald Mudford, Blackley, Manchester, England, assignor, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Original application November 23, 1935, Serial No. 51,272, now Patent No. 2,132,491, dated October 11, 1938. Divided and this application April 19, 1938, Serial No. 202,879. In Great Britain December 28, 1933
20 Claims. (Cl. 134—58)

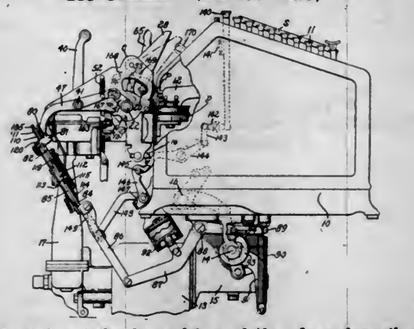
1. A method for improving pigment titanium oxide, comprising admixing with said pigment an inorganic compound containing as its sole amphoteric metal constituent an element selected from sub-group A, group VI, of the periodic table.

2,202,595

PAPER EQUIPMENT FOR CALCULATING MACHINES

Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application July 23, 1930, Serial No. 469,957
135 Claims. (Cl. 197—128)



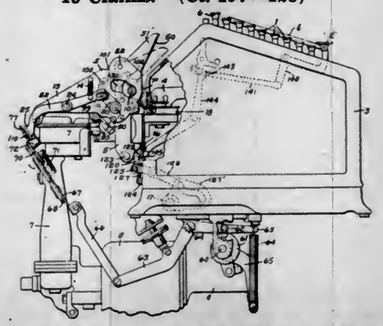
58. A front-feed machine of the class described having a printing mechanism, means for holding a record sheet in printing position relative to said printing mechanism, a traveling paper carriage, a platen, front-feed means for enabling a work sheet to be front fed relative to said platen and for holding said sheet in front-fed position, said front-feed means being movable from closed to open-throat condition and vice versa, power means operable in all the columnar positions of the carriage by power derived independently of carriage travel for moving said front-feed means to open-throat position, said power means being normally in ineffective condition, and means controlled by said carriage for rendering said power means effective.

2,202,596

CALCULATING MACHINE

Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

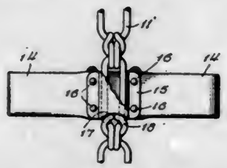
Application September 22, 1934, Serial No. 745,066
Renewed August 7, 1936
15 Claims. (Cl. 197—128)



1. A calculating machine having means for giving it cycles of operation, a printing mechanism, a platen normally occupying a printing position relative to said printing mechanism but movable therefrom to an out-of-printing position, power means for moving said platen to its out-of-printing position, a traveling paper carriage normally movable from column to column during cycles of operation of said machine,

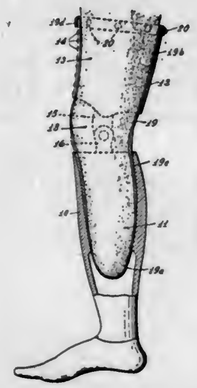
and means conditionable by a single manipulative member and operable in any columnar position of said carriage to cause said carriage to remain stationary during the next cycle of machine operation and to condition said power means independently of the position of said carriage to cause it to automatically move the platen to out-of-printing position near the end of said next cycle of machine operation.

2,202,597
SHIP LADDER
Andrew Myerstuen, Seattle, Wash.
Application November 30, 1938, Serial No. 243,128
3 Claims. (Cl. 228—40)



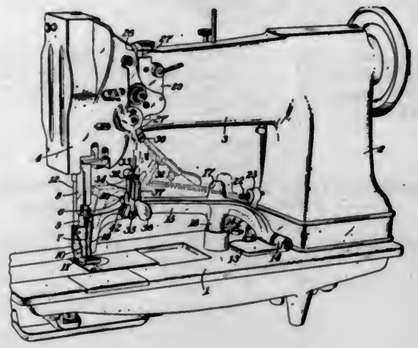
2. A ship's ladder including sheet metal steps, and chain stiles and offset clamping plates secured to the ends of the steps and clamping links of the chain, the links in said clamping plates being contracted transversely and securely bound by the plates, said clamping plates substantially filling the space longitudinally between links and having its lower portion recessed to conform to the shape of the coupling of the links.

2,202,598
STUMP SOCK
Frank O. Peterson, Detroit, Mich.
Application May 29, 1936, Serial No. 82,583
1 Claim. (Cl. 3—3)



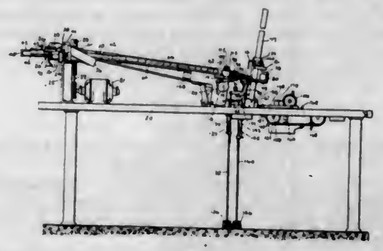
The combination of a corset and a stump sock adapted to be worn on a stump, said sock having a lightweight lower portion for engaging the end of the stump, a lightweight comparatively thin upper portion for extending beneath said corset, a relatively heavy integral thicker portion between said upper and lower portions, and detachable means on said sock adapted to be attached to the corset for retaining said upper portion in correct relative position with respect to said corset.

2,202,599
TRIMMER MECHANISM FOR SEWING MACHINES
Berthold P. Pinkvoss, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 11, 1939, Serial No. 261,187
7 Claims. (Cl. 112—125)



1. Trimmer mechanism for sewing machines comprising, a rotary actuating shaft, a trimmer-knife carrier, an actuating member carried by said shaft, means operatively connected with said member for actuating said carrier including endwise reciprocable toggle-links, said links being relatively movable into and out of toggle-straightened operative position, and manually releasable means for holding said links in the operative position thereof.

2,202,600
PACKAGING MACHINE
Warren S. Reynolds, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Original application August 7, 1935, Serial No. 35,028, now Patent No. 2,173,860, dated September 26, 1939. Divided and this application April 1, 1938, Serial No. 199,340
15 Claims. (Cl. 198—33)

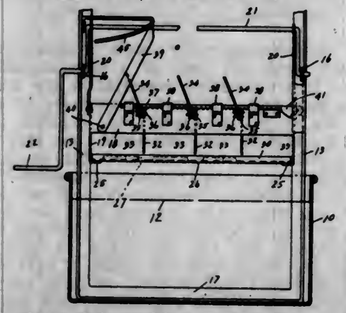


1. In combination, means for receiving in identical positions a plurality of elongated articles each having a widened end portion and means comprising a reciprocating element frictionally engaging said articles and reversing the position of successive ones of the articles received, thereby arranging the articles with the widened end of each article opposite the small end of adjacent articles.

2,202,601
FLOTATION REAGENT
Robert C. Ried, West Conshohocken, Pa., assignor to Separation Process Company, a corporation of Delaware
No Drawing. Application May 13, 1939, Serial No. 273,425
11 Claims. (Cl. 252—9)

11. A froth flotation collecting reagent for oxide ore minerals comprising an aqueous preformed emulsion of a mixture of mineral oil and refined talloel in which the proportion of talloel is in excess of twice the proportion of mineral oil, by weight, stabilized by a quantity of a soap forming reagent at least slightly in excess of that necessary to saponify the talloel and selected from the class consisting of caustic alkalies and ammonium hydroxide, and in which the proportion of water is at least substantially equal to the proportion of said mixture.

2,202,602
DEEP FAT COOKING APPARATUS
Julius T. Ruch, Indianapolis, Ind.
Application July 27, 1939, Serial No. 286,799
11 Claims. (Cl. 53—7)



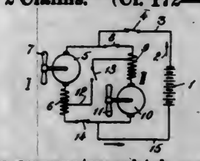
1. In deep fat cooking apparatus, a kettle adapted to hold a supply of cooking fat, a stationary frame structure, a movable frame structure supported thereon and movable upwardly and downwardly with respect to said kettle, a carrying pallet for a plurality of articles to be cooked, said pallet being carried by said movable frame structure and passing beneath the surface of said fat when said structure is lowered, whereby said articles may float to the surface of said fat, and means carried by said movable frame structure for turning the floating articles.

2,202,603
VEHICLE SPRING
Martin Schilde, New Orleans, La.
Application April 6, 1939, Serial No. 266,291
3 Claims. (Cl. 267—48)



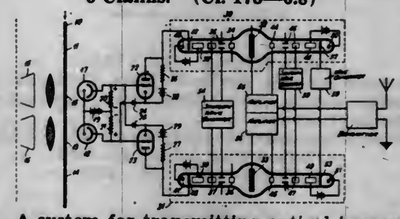
1. A vehicle spring of the bowed type consisting of stabilizing leaves, main load sustaining leaves and supplemental load sustaining leaves, and means securing all of said leaves together at the middle, said supplemental leaves being of different length and different curvature and thus having their end portions normally separated from each other, said end portions engaging each other in seriatim as the load imposed increases, said stabilizing leaves being held flexed by said means to put them constantly under tension to resiliently resist the upward flexure of the load sustaining leaves.

2,202,604
MOTOR CONTROL SYSTEM
Oscar Schläpfer, Winterthur, Switzerland, assignor to Sulser Frères Société Anonyme, Winterthur, Switzerland
Application January 22, 1938, Serial No. 186,278
In Switzerland January 23, 1937
2 Claims. (Cl. 172—179)



2. Electric apparatus which comprises a power circuit, two series-wound motors each having a tapped field winding, two conductors for placing the motors in parallel in the power circuit, a third conductor interconnecting the tappings of the fields of the two motors, and a switch disposed in each conductor whereby the switches may be arranged to connect the motors in parallel in the power circuit so as to pass current through the entire field winding of each motor or to connect the motors in series in the power circuit so as to pass current through only a part of each field winding of the motors.

2,202,605
TELEVISION SYSTEM
Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 7, 1937, Serial No. 157,818
In Germany August 29, 1936
5 Claims. (Cl. 178—6.8)

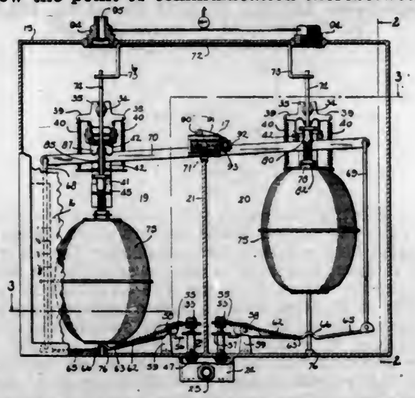


1. A system for transmitting optical images by television comprising a transmitter for sequentially transmitting a differential value of simultaneously developed picture signals representing corresponding elemental areas on at least two complete picture representations, a receiver wherein each picture point representation may be pre-set to an optical value representative of the optical value of the transmitted picture for one frame thereof, and means for sequentially changing the optical values at the receiver in accordance with the transmitted differential representation.

2,202,606
FLUID METER
William F. Schultz, Ripon, Wis.
Application July 9, 1938, Serial No. 218,341
14 Claims. (Cl. 73—221)

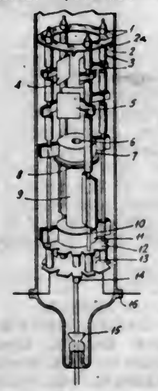
1. In a meter of the character described, the

combination with a casing provided with a partition defining chambers, said partition being open to provide communication between said chambers over the partition and above the level of liquid in said casing, a lever pivoted adjacent the point at which said partition affords communication between said chambers, said lever overhanging the respective chambers, inlet and outlet valves for the respective chambers, float means determinative of liquid levels in the chambers and adapted to maintain such levels below the point of communication therebetween,



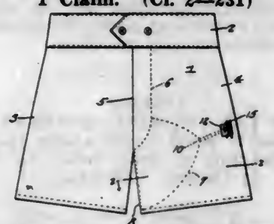
and valve controlling mechanism operatively positioned to be acted on by the float means of the respective chambers and including connections from the respective discharge valves to said lever, and means whereby the float actuated closing movement of the discharge valve of one chamber will transmit motion through said lever to open the discharge valve of the other chamber and the inlet valve serving the chamber in which the discharge valve is closed, each of said float means having connections for individually operating the respective inlet valve of a particular chamber in a closing direction.

2,202,607
ELECTRODE MOUNTING
Eberhard Steudel, Berlin-Dahlem, Germany, assignor to Allegemeine Elektricitatz Gesellschaft, Berlin, Germany
Application July 31, 1937, Serial No. 156,611
In Germany August 21, 1936
3 Claims. (Cl. 250—155)



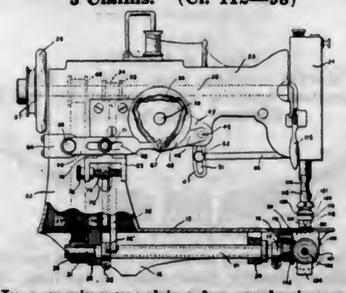
1. A cathode ray tube comprising an envelope, a plurality of insulating mounting rods, means for maintaining the rods fixed with respect to each other and with respect to the envelope, a plurality of electrodes, means for frictionally securing the electrodes to the mounting rods, spacer means positioned between at least two of the electrodes to maintain the electrodes in proper longitudinal position on the rods, and means fused on at least one end of each of the mounting rods for maintaining the elements in rigid assembled relation.

2,202,608
SHORTS
John Bester Stovall, New Orleans, La.
Application January 19, 1939, Serial No. 251,807
1 Claim. (Cl. 2—231)



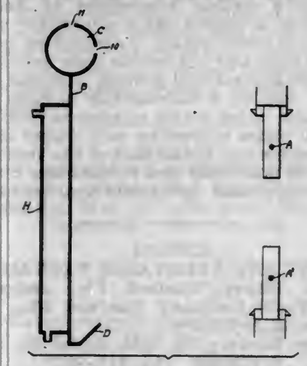
The combination with a pair of shorts including right and left legs, of a substantially triangular flap of flexible material in one leg having its base edge stitched to said leg to extend along the leg on the crotch side thereof, the remaining edges of said flap being free, and means for attaching the apex of said flap to said one leg comprising a strap extending from said apex, a patch secured to the front of said one leg adjacent the thigh side thereof, said one leg and patch having a buttonhole-like aperture formed therethrough for the extension of said strap through the same from the inside of said one leg, and a second strap secured to said patch for tying to the strap first mentioned, said patch and button hole being located above the apex of said flap whereby said straps when tied pull upwardly on said flap to cause the lower edge thereof to hug the left leg of the wearer closer than the upper edge, thereby permitting said upper edge to bulge outwardly of said leg.

2,202,609
ORNAMENTAL STITCH SEWING MACHINE
Charles Sturzlinger, Bronx, N. Y.
Application March 24, 1939, Serial No. 263,840
3 Claims. (Cl. 112—98)



1. In a sewing machine for producing embroidery stitches, in combination with the needle, feed and shuttle operating means, a double faced cam, one of its faces controlling the action of said needle and the other face controlling the action of said feed, a lever actuated by the latter named face, a yoke adjustable on said lever, and screw actuated means carried by said yoke for minutely adjusting the action of said feed and means for rotating said cam.

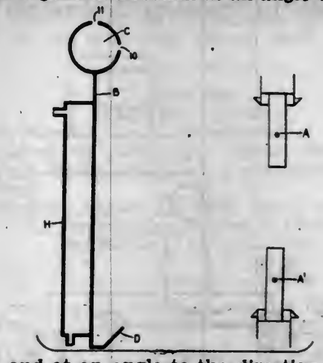
2,202,610
METHOD OF AND APPARATUS FOR IRRADIATING LIQUIDS
George C. Supplee, Bainbridge, N. Y., and Merrill J. Dorcas, Berea, Ohio, assignors of one-half to The Borden Company, a corporation of New Jersey, and one-half to National Carbon Company, Inc., a corporation of New York
Original application September 21, 1933, Serial No. 690,411. Divided and this application September 28, 1937, Serial No. 166,084
9 Claims. (Cl. 250—49)



1. In an apparatus for treating liquids, the combination of means having a surface adapted for flow of the liquid downwardly thereover in the form of a thin continuous flow, said means being provided with a slit therethrough near the top of the surface, through which liquid may be supplied to the said surface; and means providing a receptacle to supply liquid for flow through said slit; said slit being located at an elevation between the top and the bottom of the interior of said receptacle, the sides of the slit being so positioned that the general direction of flow of liquid through the slit is at an angle to the vertical and at an angle to the direction of flow of liquid on said surface, and said slit being substantially as long in a horizontal direction as the width of the continuous thin flow for which the said surface is adapted, and being of such width that the liquid to be treated will always form a film across the slit before the liquid can flow through the slit.

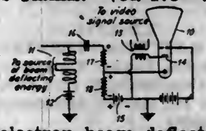
2,202,611
METHOD OF IRRADIATING LIQUIDS
George C. Supplee, Bainbridge, N. Y., and Merrill J. Dorcas, Berea, Ohio, assignors of one-half to The Borden Company, a corporation of New Jersey, and one-half to National Carbon Company, Inc., a corporation of New York
Application January 28, 1939, Serial No. 253,414
13 Claims. (Cl. 250—49)

1. A method of irradiating liquids which comprises flowing the liquid through a slit onto a surface, said slit being of such width that the liquid to be treated will always form a film across the slit before liquid can flow through the slit, while applying sufficient force to said liquids to overcome the retarding forces in said film, but insufficient to impart momentum to the liquid such as to cause it to separate from the surface immediately adjacent the lower edge of the slit, said force causing the liquid to flow through the slit in a general direction at an angle to the ver-



tical and at an angle to the direction of flow of the liquid on said surface, and directing ultraviolet energy on the film as it flows over the surface.

2,202,612
ELECTRON BEAM CONTROL SYSTEM
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany
Application May 21, 1936, Serial No. 80,984
In Germany April 3, 1935
2 Claims. (Cl. 178—7.5)

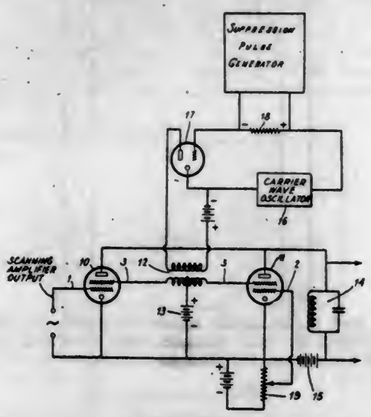


1. In an electron beam deflecting system, an electron tube having means therein to develop an electron beam and an observation screen upon which the developed electron beam produces luminous effects, a pair of electromagnetic coils for deflecting the produced electron beam, a control electrode for controlling the intensity of the produced electron beam, means to supply video signals upon the control electrode to vary thereby the beam intensity, means to energize the beam deflecting coils, a series combination comprising a capacity element and a voltage divider, the capacity element of said series combination having one terminal thereof connected to one end of the deflecting coils, and means for impressing the potential on the midpoint of the voltage divider directly onto said control electrode, said midpoint, said control electrode, and said means to supply video signals upon the control electrode being connected serially.

2,202,613
TELEVISION TRANSMISSION APPARATUS
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 11, 1936, Serial No. 95,338
In Germany August 12, 1935
5 Claims. (Cl. 178—7.1)

1. In modulation apparatus for picture transmission purposes, means for generating a carrier wave, two multi-grid vacuum tubes having a common output circuit, an inductive member for

joining at least one grid of one of said multi-grid tubes to at least one grid of the other multi-grid tubes, means for applying the developed carried to the joined grids of the two tubes in phase opposition, means for impressing the developed pic-



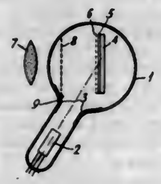
ture signals onto a grid of one of said tubes, and means for positively preventing the application of the developed carrier to the joined grids at intervals bearing a definite relationship to the generation of the picture signals.

2,202,614

CATHODE RAY TRANSMITTING TUBE

Max Abrahamsohn, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 10, 1937, Serial No. 152,931
In Germany July 23, 1936
3 Claims. (Cl. 250—153)



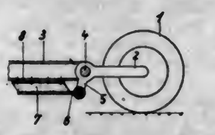
1. A cathode ray picture transmitting tube comprising electron gun structure including an electron source and a plurality of anode elements for developing an electron beam, a light responsive mosaic electrode member positioned within the tube with the light responsive elements of the mosaic in the path of the developed electron beam and at an acute angle to the electron gun axis, a wire gauze electrode element positioned without the path of travel of the scanning electron beam and supported adjacent the light responsive surface of the mosaic electrode member and a connection between the wire gauze electrode member and one of the anode electrodes of the electron gun whereby said wire gauze electrode element simultaneously serves as an anode for photo-electron emission and a secondary electron emission element for the light responsive surface of the mosaic electrode element.

2,202,615

RUBBER SPRINGING FOR MOTOR VEHICLES

Béla Barényi, Paris, France, assignor to the firm Getefo, Gesellschaft für technischen Fortschritt m. b. H., Berlin, Germany, a German company

Application July 15, 1936, Serial No. 90,631
In Germany July 16, 1935
13 Claims. (Cl. 267—21)



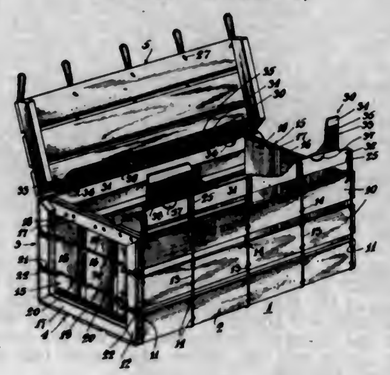
1. A springing element for connecting wheel axles with a vehicle, comprising at least two metal plates, a rubber block adhesively secured between said metal plates, a connection between one metal plate and the vehicle body and between another metal plate and a wheel axle, and means positively causing a substantally parallel movement of said metal plates relative to each other, said metal plates subjecting said rubber block to shearing stress due to the load of the vehicle and road shocks uniformly and in the same direction at all points of said adhesively secured surfaces.

2,202,616

FRUIT AND VEGETABLE PACKAGE

George D. Bishop, Sanford, Fla., assignor to Crown Paper Company, Sanford, Fla., a corporation of Delaware

Application January 20, 1939, Serial No. 251,919
6 Claims. (Cl. 217—3)



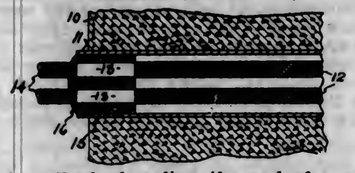
1. A guard member for a fruit box or the like, comprising a sheet of paperboard material free of transverse creases having a side section formed with inclined end edges, a cover section formed with an uncreased marginal portion and a portion of increased flexibility provided with a plurality of longitudinally extending corrugations, and tabs cut from said side section and bendable about a line approximately at the juncture of the side section and the cover section, said section of increased flexibility being of sufficient width to permit said guard to conform to the curvature of the largest fruit with which the guard is to be used and said corrugations being of such size as to permit the guard readily to conform to the curvature of the smallest fruit with which the guard is to be used, and serving to longitudinally stiffen the guard when the side and cover sections are bent into angular relation.

2,202,617

METHOD OF SEALING CONDUITS

Richard E. Bishop, South Orange, N. J., assignor to A. C. Horn & Company, Long Island City, N. Y., a corporation of New York

Application February 24, 1939, Serial No. 258,207
5 Claims. (Cl. 174—77)



1. A method of sealing the end of a conduit, comprising the steps of forming a fibrous plug in and back of the end of the conduit, dipping loosely woven strands of a fibrous material in a liquid rubber composition capable of setting, and filling the space between the plug and the adjacent end of the conduit with the dipped strands while the composition thereon is liquid to seal the end of the conduit.

2,202,618

SURGICAL INSTRUMENT

Samuel J. Blumenthal, Brooklyn, N. Y.

Application May 20, 1938, Serial No. 208,983
8 Claims. (Cl. 128—309)



5. An instrument of the class described comprising an elongated body portion enlarged at the outer end thereof, the enlarged end having an aperture, an arc-shaped and channelled crosshead at the outer end of the instrument, three elongated blades arranged upon and independently movable longitudinally of said body and having enlarged and rounded outer ends, a handle member at the other end portion of said body, one of said blades forming the knife of the instrument and being movable between and relatively to the other blades when the free ends of said other blades are disposed in close proximity to said crosshead, means for operating the knife blade in both directions, and manually operated means for supporting one of the second named blades in its forwardly extended position.

2,202,619

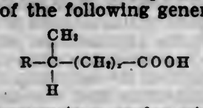
COMPOUNDS OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES AND A PROCESS OF PREPARING THEM

Max Bockmühl, Gustav Ehrhart, Heinrich Ruschig, and Walter Aumüller, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 28, 1938, Serial No. 232,094. In Germany October 2, 1937

5 Claims. (Cl. 260—397)

1. The process which comprises transforming a compound of the following general formula:



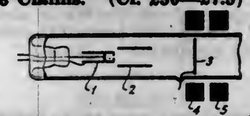
wherein R represents a cyclopentanopolyhydrophenanthrene radical substituted at least by one member of the group consisting of oxo, hydroxyl and esterified hydroxyl and x stands for naught, 1 or 2, into the corresponding acid chloride, causing a diazo methane to act upon the acid chloride and transforming the diazoketones thus obtained with the aid of an acid into an ester.

2,202,620

ELECTRON DEVICE

Hans Boersch, Berlin-Reinickendorf, Germany, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany, a corporation of Germany

Application August 13, 1937, Serial No. 158,875
In Germany August 5, 1936
8 Claims. (Cl. 250—27.5)



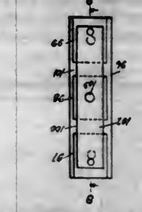
5. A cathode ray tube device comprising means for producing a beam of electrons, a symmetrical electro-magnetic electron lens for focusing the beam of electrons, and a second symmetrical electro-magnetic electron lens for modifying the symmetry of the first named lens about the midpoint of the first named lens in planes in which the axis of the beam of electrons lies.

2,202,621

FUSE OPERATED ELECTRIC CIRCUIT CONTROL DEVICE

Abel U. Broune, Brooklyn, N. Y.

Application February 20, 1937, Serial No. 126,800
3 Claims. (Cl. 200—113)



1. A fuse, comprising a central fuse section, a top fuse section, a bottom fuse section, the said fuse sections being spaced apart to form gaps therebetween, and a bi-metal strip secured to the central fuse section and overlapping the other fuse sections and adapted to warp away from the said top and bottom sections when heated.

2,202,622

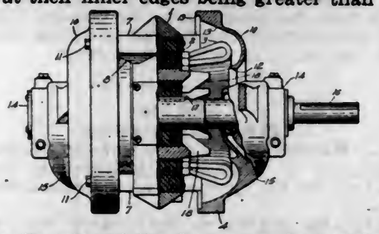
SELF-CLEANING TEXTILE MOTOR

John L. Brown, Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 23, 1937, Serial No. 181,340
5 Claims. (Cl. 172—36)

4. A dynamo-electric machine having a central ring-shaped frame member, supporting means for the machine on said frame member, a stator core supported directly in the frame member, said frame member having a plurality of projections extending therefrom axially of the machine, said projections being relatively wide and of relatively large cross-section to give them mechanical strength and rigidity and having smooth sur-

faces, and end bells having openings for the entrance of ventilating air and smooth, uninterrupted interior surfaces, the diameter of said end bells at their inner edges being greater than the



inside diameter of the frame member, said end bells being supported solely on said projections and being spaced from the frame member by the projections at all points around the circumference of the frame member.

2,202,623

THERMOPLASTIC PROTEIN COMPOSITION

Jean Delorme, Aubiere, France, assignor to George Morrell Corporation, Muskegon, Mich., a corporation of Michigan

No Drawing. Application December 30, 1937, Serial No. 182,473

3 Claims. (Cl. 260—119)

3. A thermoplastic composition of matter provided by the reaction upon sulphuric casein of ethyl sulphate in the presence of ethyl alcohol and a relatively weak alkali salt, the acid radical of which is weaker than the acid radical of the casein.

2,202,624

FOLDING TABLE

William P. De Saussure, Jr., Englewood, N. J.

Application February 15, 1939, Serial No. 256,433

12 Claims. (Cl. 311—88)



1. The combination in a folding table, of a leg, a bracing and positioning link pivotally connected to the leg intermediate the ends of the leg, the upper end of one of said members being pivotally connected to the table top and the upper end of the other of said members being pivotally and slidably connected to the table top by means of a lug rotatably mounted in the end of said part and extending therefrom into a slot in a part of the table top, said lug being of greater thickness in one direction than in another and said slot being of a width less than the greater thickness of the lug and having an enlarged part at the point reached by the lug when the leg is in extended position, and means for turning said lug when in said enlarged part of the slot to lock the leg in its extended position.

2,202,625

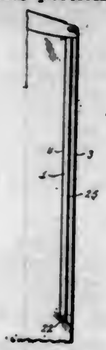
SHIRT AND PROCESS OF MAKING SAME

Cornelius Du Pree, Wyckoff, N. J., assignor to The Manhattan Shirt Company, New York, N. Y., a corporation of New York

Application May 26, 1938, Serial No. 210,098

2 Claims. (Cl. 2—122)

1. In the process of making men's shirt fronts of the type in which the material comprises a pattern having stripes running straight up and down over the surface of the shirt front, which shirt fronts are adapted for inclusion in an open-front shirt, the steps comprising forming a stay-piece by superposing a strip of lining and a strip of self material, stitching two side edges of a single thickness of each of said strips together to form a double thickness at said edge, turning in the opposite side edges of each of said strips and stitching them together to form four thicknesses of material, laying said stay-piece upon a shirt front before the shirt front is assembled with the other fabric portions of the shirt, with



the strip of self material up, turning the edge of the shirt front around the double thickened edge of said stay-piece with a stripe of the pattern close to the said edge and with the turned edge substantially parallel to the said stripe and turning the extreme edge of the shirt front to form a fold positioned beneath the stay-piece and next to the strip of self material, stitching the shirt front, the double thickened edge of the stay-piece and the under-turned, folded edge of the shirt front together with a single row of stitches passing through all of the same, and positioning the row of stitches by following the said stripe as a guide.

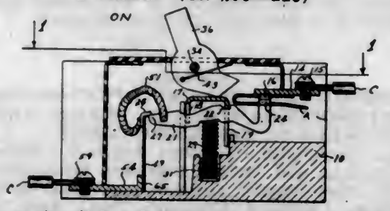
2,202,626

CIRCUIT BREAKER

William H. Frank, Detroit, Mich.

Application February 15, 1938, Serial No. 190,649

1 Claim. (Cl. 200—116)



In a circuit breaker, an operating bar, a thermal latch therefor, and a flexible loop connecting the latch and the bar whereby the circuit controlled by the breaker includes the latch and the bar, and a spring for moving the bar in one direction upon latch release, the parts being so arranged relatively that the loop tends to straighten out in proportion to the amount of current flowing through it, the arrangement of the parts being such that such tendency exerts a force on the bar tending to move the bar away from the latch in the same direction that the spring tends to move the bar whereby the effect of a flow of current on overload through the loop tends to aid the spring and thus accelerate contact separating movement of the bar.

2,202,627

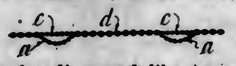
CURTAIN HEADING TAPE AND THE LIKE

George Frederick French, Manchester, England

Application December 12, 1938, Serial No. 245,254

In Great Britain December 18, 1937

8 Claims. (Cl. 139—390)



1. Curtain heading and like tape have hook-tubes at intervals along its length and formed from warp and weft threads, those parts of said tape in the intervals between said hook-tubes having a plurality of weft threads in each warp shed, said plurality of weft threads being divided at the areas containing hook-tubes so that a portion thereof is woven into the hook-tube straps and the remainder is woven into the part of said tape behind the hook-tubes.

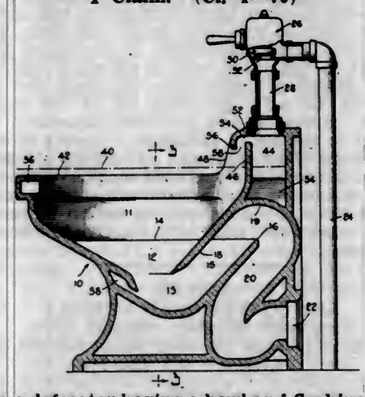
2,202,628

DEFECATOR WITH COMBINED FLUSHING JET AND AIR BREAK

William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application September 11, 1937, Serial No. 163,383

1 Claim. (Cl. 4—70)



In a defecator having a bowl and flushing water passages therefor, said passages having inlet openings disposed at a level beneath the maximum overflow spill level of the bowl, a flushing water inlet chamber extending in substantial volume above said maximum overflow spill level and communicating with said flushing water passages for substantially complete drainage into said bowl after each flushing operation, said flushing water inlet chamber having water inlet means disposed at a high point thereof, said chamber being wholly integral with said bowl and defined in part by a front wall comprising a vertical extension of a rear wall of the bowl and a top wall overlying the terminus of said front wall to form a passageway coextensive with the width of the chamber and having an area at least equal to the maximum effective area of the flushing water piping system, said top wall extending forwardly of said front wall and thereupon curving downwardly and rearwardly to define, with said front wall, spout means having a flow area at least equal to the maximum effective area of the flushing water piping system and arranged to discharge flushing water against the rear wall of said bowl from a fixed level substantially above the maximum overflow spill level of the bowl during the flushing operation and to afford a free and unobstructed passage of air into said flushing water inlet chamber and into the flushing water inlet means thereof in the circumstance of negative atmospheric pressure therein, the side walls of said flushing water inlet chamber extending forwardly of said spout means to guard the same against stoppage or obstruction.

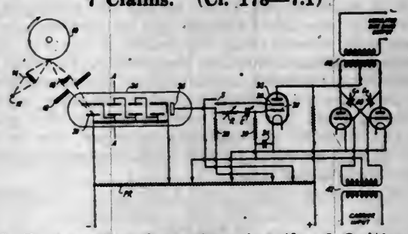
2,202,629

TRANSMISSION

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 5, 1936, Serial No. 83,643

7 Claims. (Cl. 178—7.1)



1. In a system for enhancing the definition of indicia reproduced by facsimile comprising means for scanning the indicia, means for producing current variations characteristic of the light values thereof, means for producing potential variations characteristic of the rate of change of the aforesaid current variations, an electron tube having an output electrode, and means for independently varying the impedance of the tube in accordance with the produced current and potential variations.

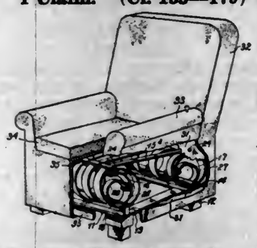
2,202,630

CHAIR

Alfred R. Hauber, Cleveland, Ohio, assignor to Mary Hauber

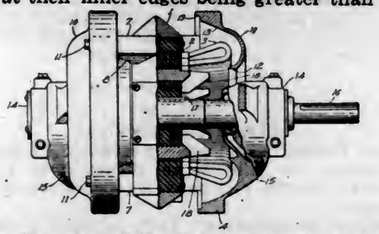
Application May 23, 1938, Serial No. 209,418

1 Claim. (Cl. 155—179)



In a chair, a resilient support, comprising in combination, a horizontal base member; a plurality of co-extensive longitudinal bowed flat springs having large front downwardly extending and inwardly coiled spiraled ends and having small rear downwardly extending and inwardly coiled spiraled ends; a plurality of spiraliform buffer springs mounted within some of the spiraled spring ends; a first pair of lower co-acting clamp-bars and support members extending laterally across the coiled ends joining the springs to the said base; and a second pair of upper co-acting clamp-bars and support members

faces, and end bells having openings for the entrance of ventilating air and smooth, uninterrupted interior surfaces, the diameter of said end bells at their inner edges being greater than the



inside diameter of the frame member, said end bells being supported solely on said projections and being spaced from the frame member by the projections at all points around the circumference of the frame member.

2,202,623

THERMOPLASTIC PROTEIN COMPOSITION

Jean Delorme, Aubiere, France, assignor to George Morrell Corporation, Muskegon, Mich., a corporation of Michigan

No Drawing. Application December 30, 1937, Serial No. 182,473

3 Claims. (Cl. 260—119)

3. A thermoplastic composition of matter provided by the reaction upon sulphuric casein of ethyl sulphate in the presence of ethyl alcohol and a relatively weak alkali salt, the acid radical of which is weaker than the acid radical of the casein.

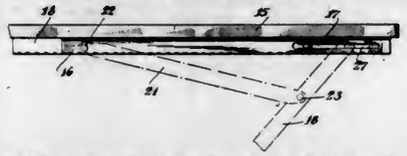
2,202,624

FOLDING TABLE

William P. De Saussure, Jr., Englewood, N. J.

Application February 15, 1939, Serial No. 256,433

12 Claims. (Cl. 311—88)



1. The combination in a folding table, of a leg, a bracing and positioning link pivotally connected to the leg intermediate the ends of the leg, the upper end of one of said members being pivotally connected to the table top and the upper end of the other of said members being pivotally and slidably connected to the table top by means of a lug rotatably mounted in the end of said part and extending therefrom into a slot in a part of the table top, said lug being of greater thickness in one direction than in another and said slot being of a width less than the greater thickness of the lug and having an enlarged part at the point reached by the lug when the leg is in extended position, and means for turning said lug when in said enlarged part of the slot to lock the leg in its extended position.

2,202,625

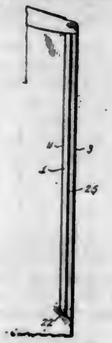
SHIRT AND PROCESS OF MAKING SAME

Cornelius Du Pree, Wyckoff, N. J., assignor to The Manhattan Shirt Company, New York, N. Y., a corporation of New York

Application May 26, 1938, Serial No. 210,098

2 Claims. (Cl. 2—122)

1. In the process of making men's shirt fronts of the type in which the material comprises a pattern having stripes running straight up and down over the surface of the shirt front, which shirt fronts are adapted for inclusion in an open-front shirt, the steps comprising forming a stay-piece by superposing a strip of lining and a strip of self material, stitching two side edges of a single thickness of each of said strips together to form a double thickness at said edge, turning in the opposite side edges of each of said strips and stitching them together to form four thicknesses of material, laying said stay-piece upon a shirt front before the shirt front is assembled with the other fabric portions of the shirt, with



the strip of self material up, turning the edge of the shirt front around the double thickened edge of said stay-piece with a stripe of the pattern close to the said edge and with the turned edge substantially parallel to the said stripe and turning the extreme edge of the shirt front to form a fold positioned beneath the stay-piece and next to the strip of self material, stitching the shirt front, the double thickened edge of the stay-piece and the under-turned, folded edge of the shirt front together with a single row of stitches passing through all of the same, and positioning the row of stitches by following the said stripe as a guide.

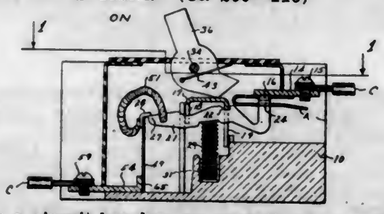
2,202,626

CIRCUIT BREAKER

William H. Frank, Detroit, Mich.

Application February 15, 1938, Serial No. 190,649

1 Claim. (Cl. 200—116)



In a circuit breaker, an operating bar, a thermal latch therefor, and a flexible loop connecting the latch and the bar whereby the circuit controlled by the breaker includes the latch and the bar, and a spring for moving the bar in one direction upon latch release, the parts being so arranged relatively that the loop tends to straighten out in proportion to the amount of current flowing through it, the arrangement of the parts being such that such tendency exerts a force on the bar tending to move the bar away from the latch in the same direction that the spring tends to move the bar whereby the effect of a flow of current on overload through the loop tends to aid the spring and thus accelerate contact separating movement of the bar.

2,202,627

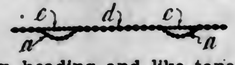
CURTAIN HEADING TAPE AND THE LIKE

George Frederick French, Manchester, England

Application December 12, 1938, Serial No. 245,254

In Great Britain December 18, 1937

8 Claims. (Cl. 139—390)



1. Curtain heading and like tape have hook-tubes at intervals along its length and formed from warp and weft threads, those parts of said tape in the intervals between said hook-tubes having a plurality of weft threads in each warp shed, said plurality of weft threads being divided at the areas containing hook-tubes so that a portion thereof is woven into the hook-tube straps and the remainder is woven into the part of said tape behind the hook-tubes.

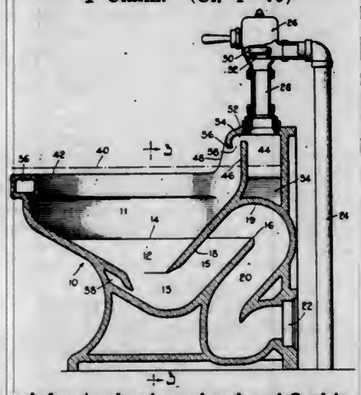
2,202,628

DEFECATOR WITH COMBINED FLUSHING JET AND AIR BREAK

William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application September 11, 1937, Serial No. 163,383

1 Claim. (Cl. 4—70)



In a defecator having a bowl and flushing water passages therefor, said passages having inlet openings disposed at a level beneath the maximum overflow spill level of the bowl, a flushing water inlet chamber extending in substantial volume above said maximum overflow spill level and communicating with said flushing water passages for substantially complete drainage into said bowl after each flushing operation, said flushing water inlet chamber having water inlet means disposed at a high point thereof, said chamber being wholly integral with said bowl and defined in part by a front wall comprising a vertical extension of a rear wall of the bowl and a top wall overlying the terminus of said front wall to form a passageway coextensive with the width of the chamber and having an area at least equal to the maximum effective area of the flushing water piping system, said top wall extending forwardly of said front wall and thereupon curving downwardly and rearwardly to define, with said front wall, spout means having a flow area at least equal to the maximum effective area of the flushing water piping system and arranged to discharge flushing water against the rear wall of said bowl from a fixed level substantially above the maximum overflow spill level of the bowl during the flushing operation and to afford a free and unobstructed passage of air into said flushing water inlet chamber and into the flushing water inlet means thereof in the circumstance of negative atmospheric pressure therein, the side walls of said flushing water inlet chamber extending forwardly of said spout means to guard the same against stoppage or obstruction.

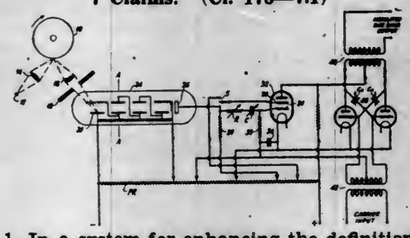
2,202,629

TRANSMISSION

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 5, 1936, Serial No. 83,643

7 Claims. (Cl. 178—7.1)



1. In a system for enhancing the definition of indicia reproduced by facsimile comprising means for scanning the indicia, means for producing current variations characteristic of the light values thereof, means for producing potential variations characteristic of the rate of change of the aforesaid current variations, an electron tube having an output electrode, and means for independently varying the impedance of the tube in accordance with the produced current and potential variations.

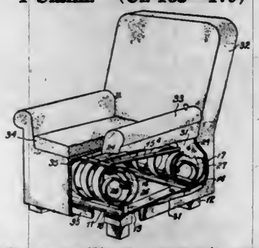
2,202,630

CHAIR

Alfred R. Hauber, Cleveland, Ohio, assignor to Mary Hauber

Application May 23, 1938, Serial No. 209,418

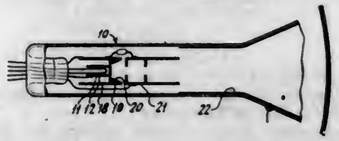
1 Claim. (Cl. 155—179)



In a chair, a resilient support, comprising in combination, a horizontal base member; a plurality of co-extensive longitudinal bowed flat springs having large front downwardly extending and inwardly coiled spiraled ends and having small rear downwardly extending and inwardly coiled spiraled ends; a plurality of spiraliform buffer springs mounted within some of the spiraled spring ends; a first pair of lower co-acting clamp-bars and support members extending laterally across the coiled ends joining the springs to the said base; and a second pair of upper co-acting clamp-bars and support members

extending laterally across the said springs, the said upper support members having projecting mounting pins.

2,202,631
CATHODE RAY TUBE
Lewis Barnard Headrick, Short Hills, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 20, 1937, Serial No. 160,009
4 Claims. (Cl. 250—163)

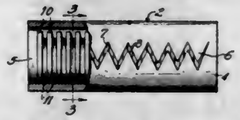


3. A cathode ray tube, means for producing a stream of electrons comprising an emitter and at least one accelerating electrode, a control electrode positioned between the emitter and the accelerating electrode, said control electrode being in the form of a frustro-conical member, so positioned that the said emitter lies in the plane of the smaller end of said member, the larger end of said member facing in the direction of said accelerating electrode.

2,202,632
COLORING MATTERS OF THE PHTHALOCYANINE TYPE
Isidor Morris Heilbron, Manchester, England, Francis Irving, Grangemouth, Scotland, and Reginald Patrick Linstead, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 14, 1936, Serial No. 79,814. In Great Britain November 16, 1932
10 Claims. (Cl. 260—314)

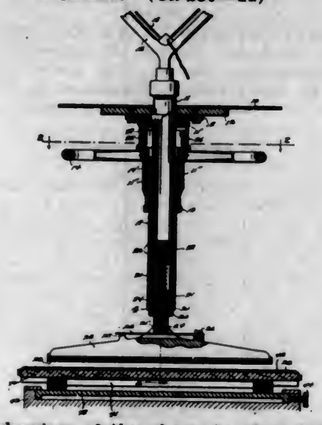
1. The process of producing coloring matters of the phthalocyanine series, which comprises heating an o-arylene-dicyanide at a temperature between 150° and 400° C. in the presence of a metalliferous reactant the metal of which belongs in the second group of the periodic table of elements.

2,202,633
RAZOR
Neil Holsclaw, Chicago, Ill., assignor of one-half to Fred E. Sudlow, Rock Island, Ill.
Application September 27, 1937, Serial No. 165,948
10 Claims. (Cl. 30—43)



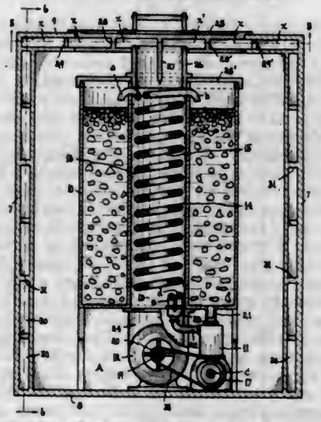
1. A mechanized razor having a head comprising a pair of complementary shear members, one being adapted for manual sliding over and against the surface to be shaved and the other being operatively disposed adjacent thereto, the said one member having across its face a zigzag perforatory slot with sharp shearing edges and angular points adapted to reach under and lift up recumbent hairs lying across or against the direction of razor movement as said head advances crosswise of the general direction of said slot.

2,202,634
APPARATUS FOR FINDING LOCATION
James M. Mack, Port Angeles, Wash.
Application April 6, 1937, Serial No. 135,276
2 Claims. (Cl. 250—11)



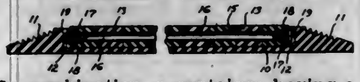
1. Mechanism of the character described employed with a radio-wave transmitting station for finding the location of a body, said mechanism comprising, in combination with a wave-intercepting aerial operative to indicate direction from the body to the station, a hollow shaft revolubly supporting the aerial for movement about a vertical axis, a hand wheel having its hub splined to the shaft to revolubly couple the same while permitting axial movement of the hand wheel relative to the shaft, said hand wheel having a sleeve extension fitting over the shaft and constituting an axial prolongation of the hub, a marker carried by and revolubly adjustable with respect to the sleeve extension, a spring received in the bore of the shaft and operatively connected with the sleeve for opposing marker-depressing axial movement of the hand wheel, and means for cushioning the elevational return movement of the hand wheel under the reactive influence of the spring.

2,202,635
AIR CONDITIONED VEHICLE
Charles F. Mandery, Omaha, Nebr.
Application June 26, 1939, Serial No. 281,160
5 Claims. (Cl. 62—24)



1. In a closed air conditioned vehicle, a vertically disposed ice-and-brine holding tank of annular form in cross section provided with a tubular channel and disposed in the vehicle, a pipe coil disposed in the channel with its upper end in communication with the tank, an actuated two-way pump arranged for conducting brine from the lower part of the tank to the lower part of the pipe coil, and an actuated fan arranged for moving air upwardly through the channel of said tank.

2,202,636
FLOOR MAT CONSTRUCTION
John H. McClelland, Ferndale, Mich.
Application December 24, 1937, Serial No. 181,623
5 Claims. (Cl. 20—78)



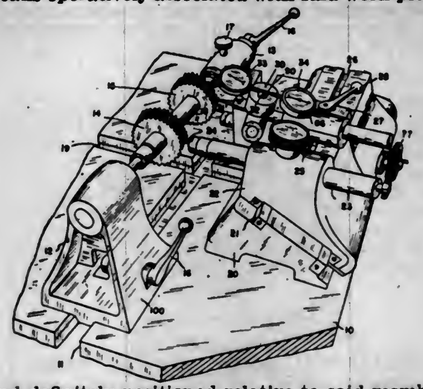
1. In combination, a container having a relatively thin flat bottom and having an inwardly extending rim therearound, a mat adapted to snugly fit into said container, said mat comprising a plurality of rectangular shaped links having parallel openings in the respective ends of each link, said links being assembled crosswise in rows with each link spaced from the adjacent links and with the ends of said links inserted between the links in the adjacent rows sufficiently that the openings in the interlocked end portions are axially aligned, grommets disposed in the ends of each row of openings, tubular pins extending through each of said aligned rows of openings, around which said links pivot, the ends of said tubular member being flanged outwardly over said grommets to prevent axial movement of said pins relative to said links, said flanged portions of said pins coacting with the rim of said container to resiliently retain said mat therein.

2,202,637
MANUFACTURE OF THORIUM OXIDE AND CONTACT MASSES THEREFROM
Richard Müller and Harry Lee, Radebeul, near Dresden, Germany, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany, a corporation of Germany
No Drawing. Application October 28, 1937, Serial No. 171,482. In Germany October 29, 1936
7 Claims. (Cl. 23—21)

1. A process of manufacturing highly reactive thorium oxide from thorium oxalate, which consists in heating to a temperature of about 285° C. to about 450° C. a complex salt containing thorium oxalate and a compound selected from the group comprising ammonium carbonate, ammonium oxalate and sodium carbonate, said heating being for such a period of time that a sample taken from the heated mass becomes soluble in boiling concentrated nitric acid in the minimum time.

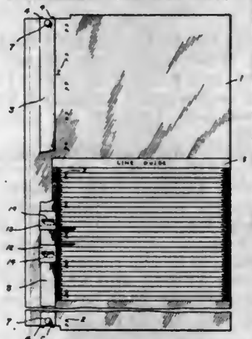
2,202,638
TESTING APPARATUS
Walter S. Praeg, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application April 17, 1939, Serial No. 268,413
17 Claims. (Cl. 33—174)

1. A comparator comprising a master element having a non-axial surface inclined to the axis thereof, means for rotatably mounting said element, means for supporting a work piece to be checked for rotation with said element, a member engaging said surface, means for relatively moving said element and member in a direction parallel to the axis of said element to rotate said element and said work piece, and movable measuring means operatively associated with said work piece



and definitely positioned relative to said member for comparing a surface of the work piece with the said surface of the master element.

2,202,639
MANUAL BOOKKEEPING APPARATUS
John E. Rosso, Virginia, Minn.
Application August 24, 1938, Serial No. 226,483
3 Claims. (Cl. 282—29)

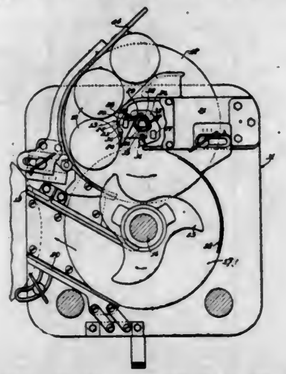


3. Manual bookkeeping apparatus comprising in combination a backing board to receive a plurality of separate loose-leaf ruled bookkeeping forms perforated along one edge, a row of pegs carried by said board adjacent one edge thereof to receive the perforated edge of said forms and hold same in predetermined relationship to other forms on the board, a movable clamp bar hingedly attached to opposite ends said board adjacent said pegs and engageable with said forms upon one side of said pegs and movable free of said board for convenient manipulation of the forms upon the pegs, and an arched indicator slidably supported by said clamp for designating on the other side of said pegs a line on any or all of said forms.

2,202,640
CONTAINER CONTROL MECHANISM
John W. Thomas, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 26, 1938, Serial No. 204,376
6 Claims. (Cl. 198—22)

1. A device for controlling the movement of containers by a conveyor comprising arcuately movable container arresting means normally pro-

jecting into the path of container travel and movable from said path by container pressure, arcuately movable means for positively securing said arresting means in said projecting position by engagement therewith, resilient means con-



necting said arresting means to said securing means and opposing disengagement thereof, and rotatable means for disengaging said arresting means and said securing means to permit movement of said arresting means from said container path at predetermined intervals.

2,202,641

EXTREME PRESSURE LUBRICANT

Darwin E. Badertscher and Henry G. Berger, Woodbury, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application November 23, 1937, Serial No. 176,054

7 Claims. (Cl. 87—9)

1. An extreme pressure lubricant comprising a hydrocarbon lubricant oil and in admixture therewith a minor proportion of the oil-miscible product obtained by the reaction of a halogenated aliphatic hydrocarbon and an alkali thiocyanate in such proportions that said product contains both sulfur and chlorine.

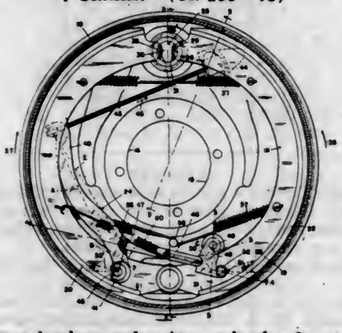
2,202,642

BRAKE MECHANISM

Carl F. Baisch, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application September 27, 1937, Serial No. 165,998

7 Claims. (Cl. 188—78)



1. In a brake mechanism, a brake drum, brake friction means supported in said drum for movement into engagement with the latter and having spaced ends, an actuator of the link and lever type interconnecting said ends, said actuator comprising a lever having one end pivotally connected to the friction means adjacent one of the ends, a second lever supported for swinging movement adjacent the other of said ends and having an inclined cam surface engaging the latter end, the angle of inclination of the cam surface being predetermined to apply a force component on the latter end of the friction means in a direction extending generally circumferentially of the brake drum, and a link having one end engageable with the first lever at a point spaced a predetermined distance from the pivotal connection of this lever with the brake friction means and having the opposite end engaging the second lever.

2,202,643

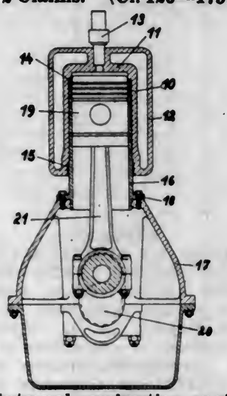
INTERNAL COMBUSTION ENGINE

Arthur Berger, Oberturkheim, near Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart - Unterturkheim, Germany

Application May 13, 1936, Serial No. 79,413

In Germany May 16, 1935

2 Claims. (Cl. 123—173)



2. In an internal combustion engine, the combination comprising a cylinder provided with an internal peripheral shoulder near its upper end and with an internal thread near its lower end, and a liner for said cylinder having an external thread near its lower end engaging said internal thread for pressing the other end of said liner against said shoulder, the normal diameters of said cylinder and liner, and the normal lengths of the distances from said shoulder to said internal thread and from the abutting end of said liner to said external thread differing by amounts substantially equal to the relative expansion of said diameters and distances when said cylinder and liner are both heated from normal temperature to a temperature above the operating temperature of the engine, whereby upon contraction to ordinary operating temperature of the engine, the contacting cylindrical and annular surfaces will remain tightly pressed together.

2,202,644

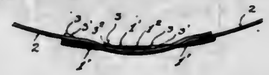
BELT

Frederick M. Blossom, Peoria, Ill.

Application September 2, 1938, Serial No. 228,239

5 Claims. (Cl. 241—8)

1. In a belt of the nature described, the combination with a buckle-portion having two openings separated from each other by a transverse cross-bar, of a belt-portion free to shift through the openings lengthwise of said buckle-portion, and at one end extending through one of the openings from the inner or back side of the latter, the same then extending over the front side or outer side of said cross-bar and thence



through the other of the openings and attached at that end to an end of the buckle-portion on the inner or rear surface thereof, said belt-portion being free throughout its length from its place of attachment and having near its free end a struck-up extension on that surface thereof lying adjacent the buckle-portion to abut the cross-bar thereof when in position for use on the person.

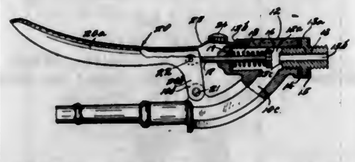
2,202,645

INTERMITTENT OR CONSTANT DISCHARGE DEVICE

Henry E. Brandt, St. Paul, Minn.

Application July 30, 1938, Serial No. 222,212

3 Claims. (Cl. 251—163)



1. A valve structure having in combination, a conduit through which liquid may pass, a valve body secured to and offset from said conduit having a chamber therein with a discharge passage leading therefrom, a valve seat surrounding said passage, a valve movable to and from said valve seat and having a stem projecting from one end of said body and laterally spaced from said conduit, a spring urging said valve to closed position, a lever having an arm pivoted to said conduit and having a handle portion spaced from said conduit and adapted to be gripped therewith, said valve stem being pivotally connected to said lever, said body having a recess as its end adjacent said lever and a resilient arm rigidly secured to said lever normally in position to move over said valve body but depressible to engage in said recess and hold said valve in open position.

2,202,646

METHOD OF MAKING LEAD NITRATO-HYPOPHOSPHITE

Willi Brun, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware

No Drawing. Application July 24, 1937, Serial No. 155,449

6 Claims. (Cl. 23—50)

1. The method of preparing a nitrato hypophosphite which comprises the admixing of unsaturated solutions of a nitrate and a relatively soluble hypophosphite, the precipitation and removal of a relatively insoluble hypophosphite, the evaporation of the remaining liquor to saturation and the precipitation and removal of a nitrato hypophosphite.

2,202,647

MANUFACTURE OF LEAD STYPHNATE

Willi Brun, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware

No Drawing. Application November 26, 1937, Serial No. 176,629

5 Claims. (Cl. 260—435)

1. The method of making lead styphnate, which comprises the precipitation thereof by the addition of an approximately 30% solution of lead nitrate to a solution having a specific gravity of about 1.04 of a soluble styphnate selected from the group consisting of the styphnates of cadmium, zinc, manganese, iron, cobalt and nickel, said lead nitrate solution and soluble styphnate solution being in the proportions of about 80 cc. of lead nitrate solution to 240 cc. of soluble styphnate solution.

2,202,648

HEAT EROSION RESISTANT ALLOY

George Charlton, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 6, 1939, Serial No. 272,131

2 Claims. (Cl. 75—128)

1. A non-oxidizing, heat erosion and corrosion resistant alloy comprising carbon .25% to 1.50%, manganese 5.00% to 20.00%, chromium 15.00% to 30.00%, silicon .25% to 1.50%, cobalt 5.00% to 30.00%, nickel .50% to 3.50%, tungsten .50% to 2.50%, molybdenum .50% to 2.50%, and the balance iron, said alloy characterized by ready machinability and forgeability.

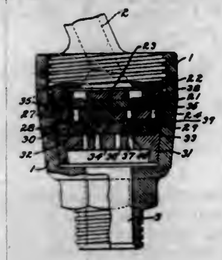
2,202,649

HOMOGENIZING HEAD

John Duval Dodge, Detroit, Mich., assignor to Dodge Emulsor Corporation, Detroit, Mich., a corporation of Michigan

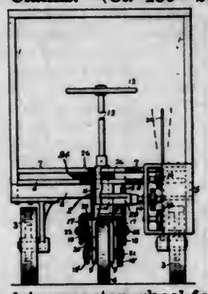
Application August 5, 1938, Serial No. 223,186

4 Claims. (Cl. 99—265)



4. In a homogenizing device, a body, a series of plates seated in the body, the plates having projecting portions on one side to support the same in spaced relation with the next succeeding plate of the series, an intermediate plate of the series being a composite plate formed of concentric members having coned surfaces in contact one with the other, there being grooves provided in the coned surface of the central portions of the composite plate providing tapered passageways therethrough for passage of liquid, the passageways being of greatest cross sectional area on the entrance side of the composite plate, the plates on the opposite sides of the intermediate plate having apertures for the free passage of liquid to and from the intermediate plate.

2,202,650
UNIVERSALLY MOVABLE TRANSPORT VEHICLE
John Evans, Indiana Harbor, Ind.
Application July 24, 1939, Serial No. 286,113
2 Claims. (Cl. 180—26)



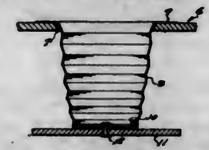
1. A power driven caster wheel for a universally movable vehicle which comprises a U-shaped member, a vertically extending pivotal projection of the member, an axle at the lower end of the side projections of the said member, a driving wheel secured to the axle, a bevel driving gear rotatable around the vertical extension, a body frame to support the extension, means for rotating the bevel driving gear, a pair of bevel gears meshing with the underside of the driving gear on opposite sides of its center, and intermeshing spur gears between the latter bevel gears and the wheel axle adapted to translate opposite directions of rotation of the pair of bevel gears into the same direction of rotation of the wheel axle so as to apply power to both sides of the caster wheel independently of any changes in its orientation.

2,202,651
HANDBAG
Leo Freidman, New York, N. Y., assignor to Gold Seal Importers, Inc., a corporation of New York
Application March 25, 1940, Serial No. 325,715
9 Claims. (Cl. 150—29)



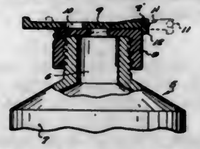
9. A handbag frame, comprising a pair of metal jaws, each including a main portion and lateral wing portions rigid therewith and extending at an angle thereto, said wing portions being hinged together, a flexible ornamental crest unit affixed to one of said jaws and extending substantially the entire length thereof from hinge to hinge, said crest unit being composed of a unitary piece of fabric having superposed thereover a ply of cloth and a ply of flexible fiber, the margins of said fabric being turned inwardly over said fiber, said fiber ply being cut away at the region corresponding to the inner ends of wing portions of the jaw and transversely stitched together thereat to conform the crest unit to the jaw, the said crest unit being longitudinally folded to form a base portion rigidly affixed to the jaw, and lateral portions turned inward and stitched together along the outer edges thereof, a bag latching plate hinged to said jaw and interposed between said jaw and the base of said crest, the fiber ply of said crest structure being cut away along that portion of the base corresponding to said plate.

2,202,652
MILK CONTAINER
Arthur R. Glidden, Seattle, Wash.
Application May 20, 1938, Serial No. 209,077
3 Claims. (Cl. 221—11)



1. A paper-board container formed with an opening for the discharge of the contents and having a pouring spout of a flexible material extending from said opening, the spout being in the form of a plicated tube to permit movement from a collapsed position whereat the plaits are juxtaposed upon one another into an exposed operating position whereat the plaits are expanded to project outwardly from the container, and a removable seal for said spout comprising a pair of flat discs, one superposed upon the other, having the edges of the spout caught between the same.

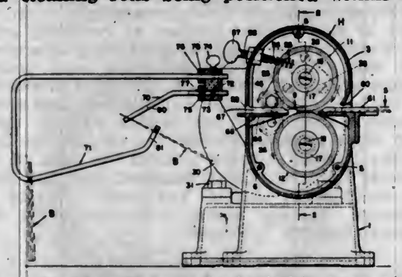
2,202,653
CLOSURE DEVICE
Arthur R. Glidden, Seattle, Wash.
Application May 19, 1939, Serial No. 274,553
2 Claims. (Cl. 221—60)



1. A closure device for a receptacle comprising, in combination, a receptacle head formed with a flattened upper surface and having a duct leading thereto for the discharge of the receptacle contents, a channel in said head transecting the duct and projected the width of the head, a sliding gate valve of a length exceeding that of the channel seating in the latter and having an aperture movable into and out of registering relation to the outlet end of the duct by the act of moving the valve longitudinally in the channel, a recess formed in the side wall of the head below one end of the channel, a recess complementary thereto and formed in the oppositely disposed end wall of the valve above the plane of the valve's channel-seating under-surface, and a ring of elastic rubber seating in the recesses to occupy a plane diagonal to and traversing the plane of the channel and operating by contraction to influence the valve into closed position.

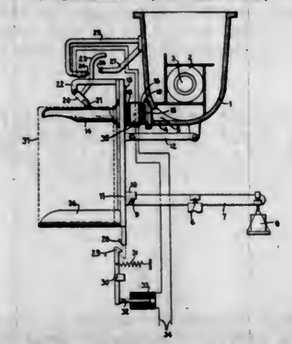
2,202,654
MACHINE FOR CLEANING SPACE BANDS
Otto C. Haderer and Walter Klein, Milwaukee, Wis., assignors, by direct and mesne assignments, to The Haderer Company, a corporation of Wisconsin
Application January 27, 1937, Serial No. 122,525
1 Claim. (Cl. 51—80)

A machine of the character described comprising a housing having two sections, shafts journaled in one of said sections and having unsupported projecting portions, gears on said shafts, gear means for rotatably driving said shafts, and cleaning rolls on said projecting portions, said cleaning rolls being positioned within the



other of said sections and adapted to engage and clean space bands fed thereto, said last mentioned section having integrally formed thereon guideways for conducting space bands to and from the nip of said rolls.

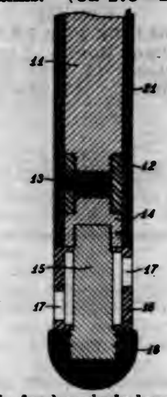
2,202,655
BAG FILLING MACHINE
Fritz W. Haver, Oelde Westphalia, Germany
Application December 8, 1937, Serial No. 178,669
In Germany December 12, 1936
7 Claims. (Cl. 226—48)



1. In a valve bag filling machine, the combination of weighing mechanism, a filling tube mounted on said weighing mechanism for receiving a bag to be filled and movable downwardly with said weighing mechanism upon a predetermined weight of filling material being deposited in said bag through said tubes, means for locking said weighing mechanism in its downward position, means for clamping a bag on said filling tube, said clamping means being operable to a first stage of open position for releasing a filled bag for removal therefrom and to a second stage of open position for releasing said locking means, and so contructed and arranged that it automatically releases said locking means by the movement of said clamping means to said second stage of open position as an empty bag is inserted upon said filling tube.

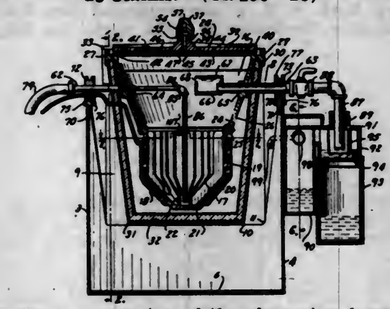
5. In a valve bag filling machine, the combination of weighing mechanism, a filling tube mounted on said weighing mechanism for receiving a bag to be filled and movable downwardly with said weighing mechanism upon a predetermined weight of filling material being deposited in said bag through said tube, a relatively fixed feed tube in feeding register with said filling tube when said bag is being filled, means for forcefully feeding filling material admixed with air through said tubes when in register, and a hollow brush interposed between said feed and filling tubes and providing a resilient seal retarding the escape of filling material therefrom while permitting the escape of entrained air.

2,202,656
WELL-LOGGING ELECTRODE
Cecil J. Haynes, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 15, 1938, Serial No. 219,304
9 Claims. (Cl. 175—182)



9. An electrode for borehole logging comprising an elongated body having a considerable portion of its length intermediate its ends composed of a metal body, an exposed electrically conductive body arranged below said metal body and insulated therefrom, a head carried by said metal body adapted to provide an anchor for a cable carrying a conductor, a layer of rubber vulcanized in situ on said metal body and a conductor embedded in said rubber connecting said exposed conductive body to the conductor in said cable.

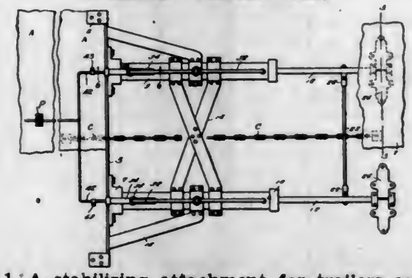
2,202,657
APPARATUS FOR REFINING USED LUBRICATING OIL
Carl E. Holt, Kansas City, Mo.
Application August 16, 1937, Serial No. 159,287
13 Claims. (Cl. 196—16)



1. In an apparatus of the character described, a vessel having a cylindrical heating section provided with a substantially cone-shaped bottom, and an upper section interconnected with the heating section and having an outwardly flaring wall terminating in an annular seat, a sheet of filtering material having its periphery supported

on said seat, a cover closing the vessel and cooperating with said seat to sealingly retain the sheet of filtering material, a collecting tank, oil conducting means connecting the cover with the collecting tank, pressure supply means for discharging an agitating medium into the cone-shaped bottom of the heating section, and means movably supporting the vessel to effect movement of the oil from the heating section for collection in a relatively shallow pool over the sheet of filtering material whereby said agitating medium is effective in promoting flow of oil through the sheet of filtering material into the collecting tank.

2,202,658
STABILIZER FOR TRAILERS
Hubert William Howley, Lawrence, Mass.
Application October 13, 1937, Serial No. 168,819
4 Claims. (Cl. 280—33.9)



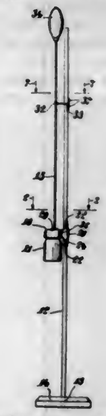
1. A stabilizing attachment for trailers comprising a pair of cylinders attached to a pulling vehicle at opposite sides thereof, a piston having a working fit in each of said cylinders, piston rods extending from said pistons rearwardly of the cylinders, a ball and socket connection between the rear ends of the piston rods and the trailer, liquid pressure means within the cylinder at opposite ends of the piston, a by-pass connecting the opposite ends of each cylinder and valve means interposed in said by-pass for controlling passage of liquid therethrough, said valve means being operable from the pulling vehicle for closing said valve and spring means for opening said valve.

2,202,659
SKIRT MARKER
Max Ingwer, Forest Hills, N. Y., assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y., a corporation of New York
Application November 14, 1939, Serial No. 304,350
7 Claims. (Cl. 33—9)



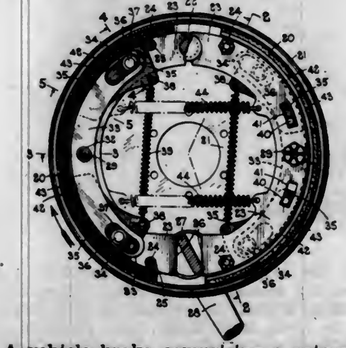
6. A skirt marker, comprising in combination, an upright support, a powder holder having a powder discharge outlet at the front of the same and having an open grooveway in the back of the same slidably engaged over the front of said upright support, spring means having upper and lower spring arms slidingly engaged with the back of said upright support at vertically separated points and forwardly projecting intermediate side portions engaged with said powder holder at opposite sides of said open grooveway in the back of the holder and whereby said spring means is attached to said holder with the upper and lower spring arms bearing against the back of the upright support to hold the back of the powder holder slidingly engaged over the front of said upright support and hand operated air pressure creating means connected with said powder holder.

2,202,660
SKIRT MARKER
Max Ingwer, Forest Hills, N. Y., assignor to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y., a corporation of New York
Application January 30, 1940, Serial No. 316,319
11 Claims. (Cl. 33—9)



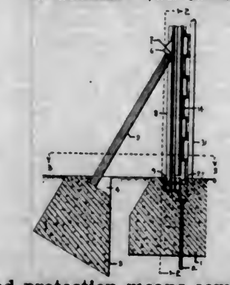
10. A skirt marker, comprising in combination, an upright support, a dispenser head having an opening through the top of the same, a socket in the underside of the same, a powder discharge slot in the front of the same and extending inwardly into communication with said socket, the back of said head being slidingly engaged with the face of said upright support, a powder holder detachably engaged in said socket and dependent from said head, air tubing entered through said opening in the top of the dispenser head, air pressure creating means connected with said tubing, spring arms connected with the back portion of said head at opposite sides of the upright support and yieldingly engaging the back of said upright support at vertically separated points and an elastic grommet seated in said top opening about said tubing and having spaced flanges engaging upper and lower surfaces of the top of said head, said elastic grommet being held compressed by the walls of said opening in which it is seated and compressibly gripping said tubing to thereby secure said tubing in position to extend a predetermined distance down into said powder container and forming a resilient coupling between the tubing and the head through which the tubing may be used as a handle to slide the dispenser head to different positions on the upright support.

2,202,661
VEHICLE BRAKE
Winstone Eric Payton Jeffery, Shirley, England
Application June 1, 1938, Serial No. 211,257
In Great Britain June 8, 1937
12 Claims. (Cl. 188—78)



1. A vehicle brake comprising a rotary drum, a fixed support, pressure-producing means carried by said fixed support, a yoke pivotally engaged intermediate its ends by said pressure-producing means, the action of said pressure-producing means being to move said yoke bodily towards the periphery of said drum, and a plurality of arcuate shoes each pivotally connected intermediate its ends to said yoke, the pivot connecting each shoe to said yoke being nearer to one end of said shoe than to the other.

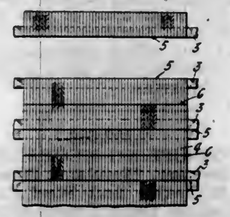
2,202,662
FLOOD PROTECTION MEANS
Herbert M. Knight, Montclair, N. J.
Application May 13, 1938, Serial No. 207,655
9 Claims. (Cl. 61—22)



1. Flood protection means comprising in combination with a sheet-pile cut-off wall, a base block enclosing the top of said wall, said block having a slot in its upper side extending longitudinally of the wall and said base block having boxes at spaced intervals to each other longitudinally of the wall and disposed next to the slot, posts having their lower ends socketed in said boxes, stop-planks in and above said slot and adjacent said posts, buttress blocks adjacent to the base block and each opposite a box in the base block, and a brace from each said buttress block to the post adjacent thereto.

2,202,663
METHOD OF MAKING CARPETING
Frank T. Lahey, Monroe, N. Y.
Application May 18, 1938, Serial No. 208,583
9 Claims. (Cl. 154—2)

1. The method of making carpeting or the like, comprising forming a layer of parallel fibres secured to spaced, transverse parallel strips of plastic material, cutting said layer into parallel strips of the plastic with the fibrous material projecting

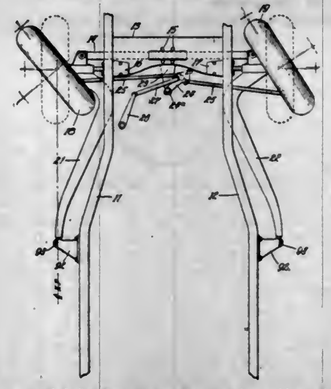


therefrom, assembling a plurality of strips side by side with the fibrous material projecting from the same side of the assembled structure, and heating the plastic to set the same.

2,202,664
PLANT PROPAGATING POT
Martin Leatherman, Hyattsville, Md., dedicated to the free use of the People in the territory of the United States
No Drawing. Application March 3, 1939, Serial No. 259,592
5 Claims. (Cl. 47—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An article of manufacture comprising a plant propagating pot of woven fabric impregnated with copper resinate and rosin.

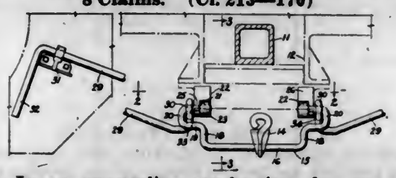
2,202,665
MOTOR VEHICLE CONSTRUCTION
Anthony J. Metz, Sr., Davenport, Iowa
Application March 22, 1938, Serial No. 197,441
22 Claims. (Cl. 280—96.2)



1. In a vehicle front end construction in combination, a frame member, a pair of substantially parallel arms pivotally connected at one end of each with said frame member on pivot axes spaced apart in a substantially vertical plane extending longitudinally of the vehicle, a rotatable wheel member, a hub member, a substantially horizontal spindle carried by said wheel member and disposed in said hub member, bearings between said hub member and spindle for the rotation of said spindle about its axis, a rearwardly extending radius rod, a pair of vertically spaced and coaxial trunnions, means carrying

said trunnions and relatively rigid with said radius rod said trunnions being associated with said hub member radially outward of said bearings for oscillation of said wheel member about the axes of the trunnions, and means pivotally connecting the other ends of said parallel arms with said trunnion carrying means on pivot axes spaced apart in a plane substantially parallel to the plane containing the pivot axes of the first said ends of the arms.

2,202,666
UNCOUPLING MECHANISM
William J. Metzger, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application January 21, 1939, Serial No. 252,133
8 Claims. (Cl. 213—170)



1. In an uncoupling mechanism for car couplers, a bail having a pair of vertical arms, and trunnions integral with said bail extending inwardly from said arms towards each other, bracket means adapted to receive said trunnions for pivotally supporting said bail, and uncoupling means pivotally mounted on said trunnions and adapted to operate said bail, said bracket and uncoupling means being constructed and arranged to normally retain said trunnions in said first named means.

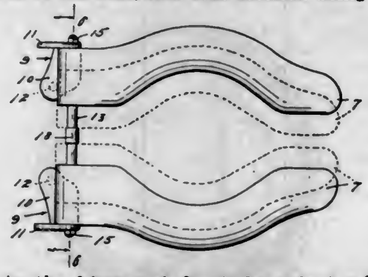
2,202,667
FLUTED DRIVE TORQUE
John Mikulasek, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application September 17, 1937, Serial No. 164,379
4 Claims. (Cl. 287—53)



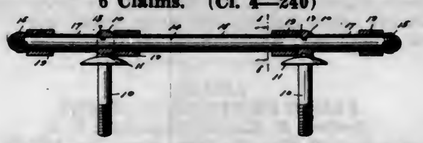
4. A drive construction for mounting and driving an oscillatory member from the drive shaft of a washing machine or the like, comprising a drive head mounted on the upper part of the shaft, a torque socket mounted on the oscillatory member and adapted to receive the drive head, said head having a plurality of grooves, each of said grooves being a curved surface such that all sections transverse to the axis of the torque head define arcs of circles decreasing in length from one end to the other end of said groove, whereby each of said grooves decreases in depth from one end to the other of said torque head, ribs on said torque socket of the same shape as the said grooves, to provide for adjustment of said head and socket to compensate for wear of said ribs and grooves.

2,202,668
TOILET SEAT AND COVER
Francis J. Moore, Minneapolis, Minn.
Application January 12, 1939, Serial No. 250,511
5 Claims. (Cl. 4—236)

1. In a divided toilet seat, a pair of upstanding hinge-brackets in opposing relation and having means for anchoring the same to a toilet bowl, and a hinge-rod secured at its ends to the hinge-brackets and extending through aligned transverse bores in the rear end portions of the sections of the seat, said seat sections being pivoted to the hinge-rod for independent raising and lowering movements and also being free for independent sliding movement on the hinge-rod toward or from each other, said hinge-brackets being entirely outwardly of the seat sections and independent thereof.



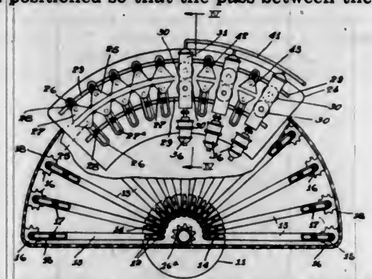
2,202,669
TOILET SEAT
Francis J. Moore, Minneapolis, Minn.
Application March 15, 1939, Serial No. 261,941
6 Claims. (Cl. 4—240)



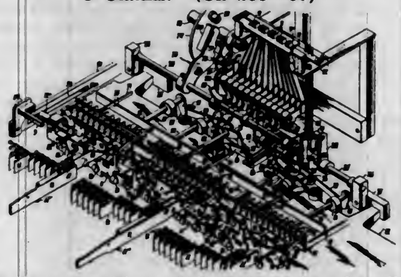
1. A device of the kind described comprising a pair of eye-bolts for anchoring the device to a toilet bowl, a hinge rod mounted in the eye-bolts with its end portions extending outwardly thereof, an intermediate sleeve telescoped onto the hinge rods between the eye-bolts, a pair of end sleeves telescoped onto the hinge rod outwardly of the eye-bolts, and a pair of hinge members having means for attaching the same to the sections of a divided toilet seat, each hinge member having a pair of axially spaced lugs between which one of the eye-bolts extends, said lugs being more widely spaced than the axial length of the eye-bolts and being mounted on the sleeves for independent turning movement and independent axial sliding movement, said hinge lugs engaging the eye-bolts as stops to limit the movement of the hinge members toward or from each other.

2,202,670
APPARATUS FOR PRESSING CURVED SAFETY GLASS
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application July 13, 1938, Serial No. 218,996
6 Claims. (Cl. 18—17)

1. Apparatus for pressing safety glass assemblies comprising an overhead carrier, means guiding the carrier horizontally along a path corresponding to the contour of the glass sheets to be laminated, hangers suspended from the carrier and comprising loops of thin material for carrying the assemblies in vertical position, means along the line of travel of the hangers for heating the assemblies, a pair of vertical nipper rolls positioned so that the pass between the rolls lies in the line of travel of the hangers, and means for driving the carrier and the nipper rolls.



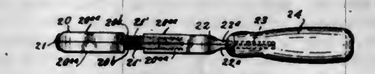
2,202,671
COMBINED TYPEWRITING AND COMPUTING MACHINE
Henry L. Pitman, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application August 19, 1938, Serial No. 225,762
8 Claims. (Cl. 235—60)



1. In a machine of the character described, the combination of a carriage, a multiplicity of indexable register-bars of consecutive denominations forming part of a register-unit, said bars shiftable individually to an index-receiving position, a state-controller associated with said register-unit and conditionable for a certain computing state, a series of denominational driver-shifting trains, traversable by said carriage for shifting said register-bars seriatim, said trains including couplers actuatable for operatively connecting the trains to the register-bars, a plurality of selectively operable register-section-defining coupler controllers, each serving to independently bring into use one or another predetermined section of the couplers consonantly with sectional use of the register-unit, and means operatively connecting said state-controller to said coupler-controllers whereby concomitantly with use of either section of the couplers said state-controller is conditioned.

2,202,672
PRESSING HAIR COMB
Fannie Price, New York, N. Y.
Application July 6, 1939, Serial No. 282,992
3 Claims. (Cl. 132—11)

1. A pressing hair comb, comprising a flat heat retaining body of adjacent layers of material hingedly connected at one of their ends, each of said layers comprising a pair of sections telescopically engaging each other, a handle mounted on the other end of said body for holding said layers and sections in adjusted fixed positions, and a plurality of comb teeth elements clamped between said layers and projecting from one of the edges of said body.

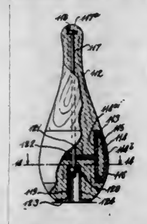


2,202,673
HANDBAG PLAIT
Max Samuelson, Newburgh, N. Y.
Application November 16, 1939, Serial No. 304,725
6 Claims. (Cl. 41—24)



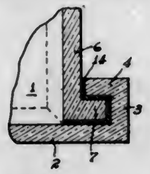
6. In a handbag, a sheet of outer material having areas bent inwards from its outer face forming plaits, and clips mounted on the backs of said plaits for holding the formation thereof, said clips comprising tubular sheet material pieces having split open sides with the edge portions thereof forming gripping jaws, a longitudinally extending rod mounted on said tubular pieces and extending longitudinally of the plaits, and a plurality of tubular sheet metal pieces having slit open sides with the edge portions thereof forming gripping jaws and mounted on said rods, each tubular piece being provided with prong portions stamped from the material thereof engaging the edge portions of said rod, and interengaging projections and niches on the adjacent faces of said rod and certain of said tubular pieces for frictionally holding them together.

2,202,674
BOWLING PIN
Ellsworth F. Seaman, Washington, D. C., and Jesse B. Lunsford, East Falls Church, Va.
Application March 25, 1938, Serial No. 198,116
3 Claims. (Cl. 273—82)



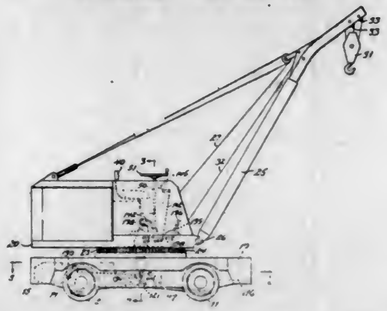
1. A pin for bowling alleys comprising a wooden central portion having an annular recess coextensive with the area of the pin normally contacted by the ball, a band of synthetic resinous material adapted to engage in said annular recess to complete the normal outline of the pin, and a cross-arm composed of a synthetic resinous material extending diametrically through the pin connecting opposite points of the inner circumference of the said band to effect rigidity of construction.

2,202,675
ACIDPROOF CONTAINER
James Hervey Sherts, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application February 25, 1939, Serial No. 258,524
2 Claims. (Cl. 206—2)



1. A container for liquids comprising face plates of glass substantially of C shape in cross-section, side plates of glass provided with flanges extending along the edges thereof and interlocking with the face plates, a horizontal ledge extending from the inner faces of the face and side plates adjacent the lower ends thereof, a bottom plate of glass provided with an edge groove into which the ledge enters and locks, and a filling of chemical-resistant caulking compound separating the adjacent glass surfaces.

2,202,676
VEHICULAR STEERING MECHANISM
Sheldon K. Towson, Cleveland Heights, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a corporation of Ohio
Application July 27, 1938, Serial No. 221,541
8 Claims. (Cl. 280—96)



1. In a road vehicle, a main frame, supporting wheels therefor, at least one of said wheels being dirigible, a load-engaging member mounted on said main frame for rotation on a substantially horizontal plane, an operator's platform movable as a unit with said load-engaging member, a steering member carried by said platform, a gear carried by said platform and operably connected with said steering member, a gear carried by said main frame and operably connected with the dirigible wheel to steer the vehicle, a third gear coacting with said first-named gears to transmit the movement of one of such gears to the other of such gears consequent upon the operation of said steering member, a support on which said third gear is mounted, and means to move said support consequent upon relative movement between the platform and the main frame to compensate for such movement, whereby the first and second-named gears may remain fixed relative to the platform and main frame, respectively, during such relative movement.

2,202,677
MARIONETTE
Stasys Usinskis, Kaunas, Lithuania
Application May 4, 1939, Serial No. 271,637
3 Claims. (Cl. 46—126)



1. In a marionette, a hollow head having eye sockets, eyes engaging said sockets, a yoke for each eye pivotally supported at its rear and having a pair of forwardly projecting fingers engaging opposite sides of said eye, pintles engaging through the ends of said fingers and diametrically through said eyes for turnably supporting the eyes, a radial lever projecting from the back of each eye, a stationary element, strings connected with said levers and extending over said stationary element for pulling the eyes in one direction, other strings connected with said levers for pulling the eyes in the other direction, and strings for pivoting said yokes.

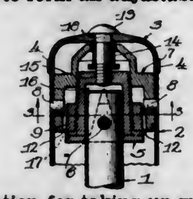
2,202,678
LOW VISCOSITY STARCH ADHESIVE AND METHOD OF PREPARING THE SAME
Kyle Ward, Jr., Washington, D. C., dedicated to the free use of the People in the territory of the United States
No Drawing. Application June 13, 1938, Serial No. 213,444
6 Claims. (Cl. 134—23.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of preparing an adhesive, which comprises mixing starchy vegetable matter with water, thence subjecting the mixture to the action of an aqueous solution of an organic onium hydroxide, thereby producing an adhesive that is relatively low in viscosity.

2,202,679
TAPERED LUG TORQUE
Charles K. Woodin, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application September 17, 1937, Serial No. 164,378
2 Claims. (Cl. 287—53)

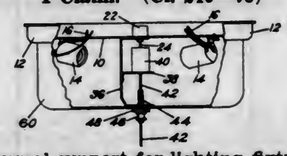
1. In a drive torque construction for oscillating the agitator center post of a washing machine from the drive shaft, a drive torque mounted on the end of the shaft and provided with an outwardly projecting shoulder at its lower end and a plurality of spaced tapered lugs and channels therebetween extending upwardly from the shoulder to a point intermediate the upper and lower ends of the drive torque, and a

torque socket secured to the center post and provided with complementary tapered ribs and channels adapted to engage the lugs and channels, with the socket having a driving contact normally spaced from the shoulder of the drive torque to form an adjustable mounting and



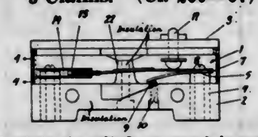
drive connection for taking up wear between the drive shaft and agitator center post and providing for adjustment of the torque socket until the lower edge of the lugs abuts said shoulder, and means for adjustably connecting the socket and center post to the drive torque.

2,202,680
UNIVERSAL SUPPORT FOR LIGHT FIXTURES
Abe S. Zagel, Chicago, Ill.
Application April 6, 1938, Serial No. 200,505
1 Claim. (Cl. 240—78)



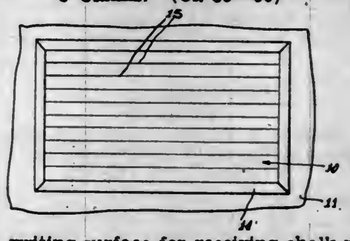
A universal support for lighting fixtures, comprising a base plate, a plurality of slots in the base plate, each slot adapted to receive attaching means from any type of outlet box, sockets attached to the base plate, a bracket having upper and lower flanges and a central shelf, a switch supported on the shelf, means to attach the upper flange of the bracket to the center of the base plate, a globe enclosing the sockets, switch and bracket, a tubular screw-threaded element screw-threadedly associated with the lower flange of the bracket, a globe retaining element operating on the tubular screw-threaded element to hold the lower part of the globe against the lower flange of the bracket and the upper part of the globe against the base plate and a switch pull cord operating through the tubular screw-threaded element.

2,202,681
SWITCH
Stratford B. Allen, Arlington, Mass., assignor, by mesne assignments, to Mu-Switch Corporation, Canton, Mass.
Application April 19, 1938, Serial No. 202,856
3 Claims. (Cl. 200—67)



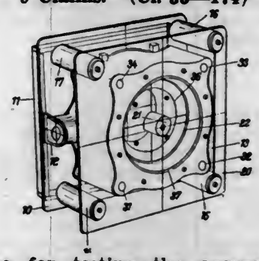
1. An electrical switch comprising a spring leaf element formed of a flat spring leaf material having a slot formed longitudinally of the spring leaf but entirely enclosed by the material of the spring, a circular perforation formed at the end of the slot and slightly larger than the slot, said perforation being the center of an area deformed by pressing the material of the spring outward from the edge of the perforation, means holding said spring leaf fast at one end, means positioned adjacent the other end to make electrical contact therewith, and an operating pin positioned to press against the surface of said leaf in the vicinity of the deformed area for moving the free end of the spring in a direction opposite to the pressure on said spring.

2,202,682
WRITING SURFACE
James E. Arberry, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 25, 1939, Serial No. 264,159
5 Claims. (Cl. 35—66)



1. A writing surface for receiving chalk markings comprising a plate of aluminum having a smooth, satiny surface comprising an adherent film of aluminum oxide, said surface being capable of receiving chalk marks, the marks being readily erasable therefrom.

2,202,683
TESTING OF ACCURACY OF WORKPIECE DIMENSIONS
Werner Baesgen, Dessau, Herbert Demsky, Dessau-Sud, and Otto Pätzold, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany
Application April 19, 1938, Serial No. 202,984
In Germany April 29, 1937
9 Claims. (Cl. 33—174)

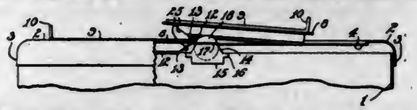


1. Device for testing the accuracy of the dimensions of half-finished products comprising in combination, a templet provided with walls and shaped to accommodate the test-piece between said walls, the walls carrying tracings of natural size of the parts, to be machined, of the test piece and extending in the same direction as, and in closely spaced relation to, such parts.

2,202,684
COVER FOR BOTTLE COOLERS
Robert E. Baker, Muncie, Ind., assignor to Glascock Brothers Mfg. Co., Muncie, Ind., a corporation of Indiana
Application October 3, 1935, Serial No. 43,335
10 Claims. (Cl. 220—41)

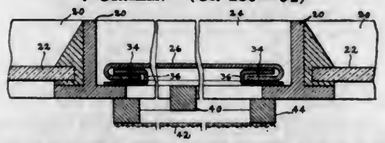
10. A closure structure comprising a main rab-

beted open frame, two sliding cover members normally seated on the rabbeted edges and in substantially the same plane, each having a pair of parallel longitudinally extending guide rails, the guide rails on the bottom face of each cover member being adapted to laterally interlock with the



guide rails on the top face of the opposite cover member, and a relatively stationary humped cam member disposed between said cover members, the leading edge of each cover member having a cammed portion engageable with the relatively stationary humped cam member to elevate its edge above the edge of the opposite member.

2,202,685
WINDOW
William D. Bayley, Springfield, Ohio
Application August 23, 1937, Serial No. 160,499
7 Claims. (Cl. 189—64)



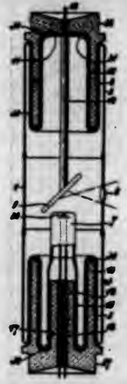
1. A window assembly including a sash having a plurality of transversely disposed muntin bars dividing the window into a plurality of spaces some of which are glazed leaving a space vacant for ventilating area, a closure assembly for the ventilating area, said closure assembly including a movably mounted closure having flanges extending in parallel relation with respect to the glazing, and U-shaped weather stripping members arranged in hooked relation with respect to the flanges of the movable closure and movable therewith so that as the movable closure is moved into closed position the weather stripping members are clamped between a portion of the movable closure and the muntin bars bounding the ventilating area.

2,202,686
WETTING AGENT AND METHOD OF PRODUCING THE SAME
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 4, 1937, Serial No. 172,859
17 Claims. (Cl. 260—505)

1. The process of preparing sulfonic acids of high wetting, cleansing and emulsifying properties which includes the step of condensing a terpene with an ether containing an aryl group and the step of sulfonating the said aryl group.

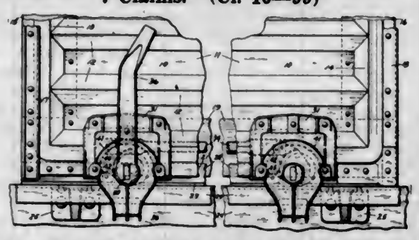
2,202,687
HIGH-VOLTAGE DISCHARGE TUBE
Albert Bouwers, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application November 23, 1937, Serial No. 176,102
In Germany December 16, 1936
8 Claims. (Cl. 250—146)

1. A high-voltage discharge tube comprising an envelope having an insulating portion forming at one end of the tube an annular fold surrounding the axis of the tube and open toward the outside of the tube, and electrodes within said envelope and spaced apart to form a voltage-drop space,



said fold extending into the vacuum space of the tube and being spaced a considerable distance from the voltage-drop space, and non-ionizable insulating material completely filling the space within the fold.

2,202,688
CAR DOOR
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 7, 1938, Serial No. 228,780
7 Claims. (Cl. 16—99)

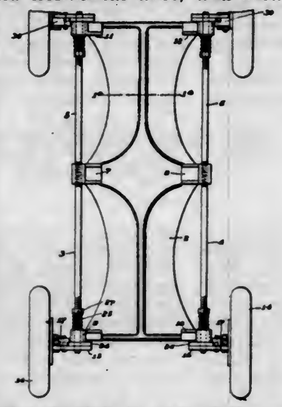


1. In a railway house car having a sliding door and a track associated therewith and frictionally supporting said door in lowered position, elevating mechanism for said door, said mechanism comprising an actuating lever and rolling means adapted to engage said track, and a resilient member on said door, said member being compressed by said mechanism in the lowering movement of said door, said rolling means being engaged with said track when said resilient member is compressed, said resilient member being released from the pressure of said lift mechanism upon operation of said lever to raise said door.

2,202,689
MOTOR VEHICLE
Samuel Eliot, Newton, Mass.
Application November 8, 1938, Serial No. 239,427
12 Claims. (Cl. 267—57)

1. In a vehicle, the combination of a chassis frame, a wheel, a steering spindle on which said wheel is mounted, a torsion bar supported in the frame and secured at one end against rotation relatively thereto, a link rigidly secured to the opposite end of said bar and connected with said

spindle for relative pivotal movement about both vertical and horizontal axes, and means coop-



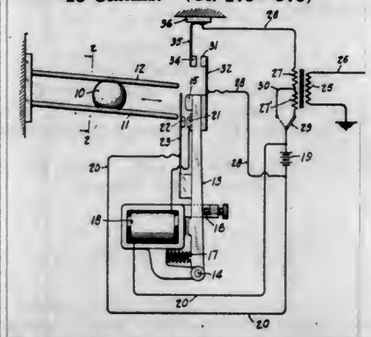
erating with said link to control the movement of said spindle about said horizontal axis.

2,202,690
SAFETY GLASS
Earl L. Fix, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application July 7, 1938, Serial No. 217,907
5 Claims. (Cl. 49—81)



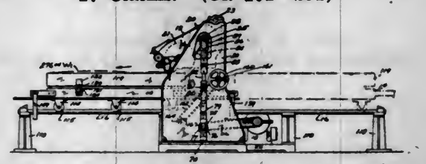
2. A process of manufacturing a unitary angular laminated plate which comprises cutting through the glass laminae of a plate of laminated safety glass while retaining the plastic interlayer thereof intact, heating the plate to the softening point of the plastic interlayer, bending the heated plate to the desired angle, installing the bent plate in a suitable frame, and sealing the cuts with a plastic caulking compound.

2,202,691
FENCE CHARGING DEVICE
Charles Gallot and Albert Alpaugh, Milwaukee, Wis.
Application July 9, 1937, Serial No. 152,704
18 Claims. (Cl. 175—373)



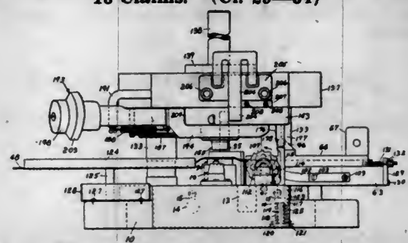
1. In a charger for an electric circuit the combination of a reciprocable member, a striker for successively driving said member in one direction, means controlled by successive movements of said member in an opposite direction for actuating said striker, and means including a second member moveable by and with said striker for intermittently charging a circuit.

2,202,692
DECORATING MACHINE
Edward William Hamant and Guido von Webern, Dayton, Ohio, assignors to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan
Application March 14, 1938, Serial No. 195,836
17 Claims. (Cl. 101—251)



1. In a decorating machine, a main frame, a pattern roll and a transfer roll carried by said frame, a guideway, a workholder mounted for movement along said guideway, power means to progress said workholder, and means carried by said workholder and acting on said power means to stop the movement of said workholder.

2,202,693
MACHINE FOR MAKING LAMINATED PINIONS
William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to Hansen Mfg. Company, Inc., Princeton, Ind., a corporation of Indiana
Application February 17, 1938, Serial No. 191,016
18 Claims. (Cl. 29—34)

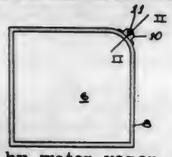


1. In a pinion-making machine, a punch, a punch member and a cooperating die member having tooth-producing portions for punching out a pinion blank, a second punch member associated with one of said previously-mentioned members, and means for actuating said members simultaneously for punching out and severing from the material the teeth and shaft hole of the pinion blank at a single stroke.

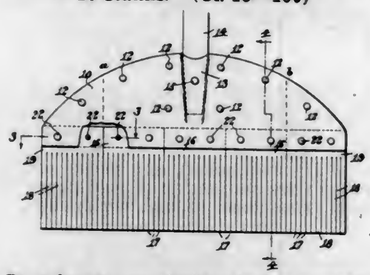
2,202,694
DOUBLE GLAZED WINDOW
Elmer H. Haux, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application May 15, 1937, Serial No. 142,796
2 Claims. (Cl. 20—56.5)

1. In a double glazed window construction which includes a sash having a passage therein opening to the atmosphere and leading therefrom to the space between the panes of the window, a filter in the passage comprising a foraminous support extending across the passage,

a layer of solid, non-fibrous material back of the member which is a positive seal against water as a liquid and against dust but which is readily permeable by water vapor, and a body of fibrous screening material in the passage back of said layer of material.

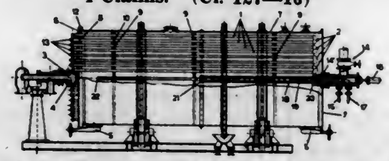


2,202,695
BROOM
Justus R. Kinney, Boston, Mass.
Application June 21, 1937, Serial No. 149,342
10 Claims. (Cl. 15—160)



1. In a broom or similar device consisting of a head having depending therefrom a plurality of rows of thin flat plates of spring metal, the upper ends of which are secured to said head and each plate having its lower portion divided into a plurality of straight flat-faced spring fingers in straight lines extending transversely of said head with the edges of adjacent fingers in contact.

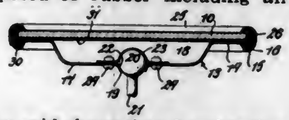
2,202,696
ROTARY CRYSTALLIZER-COOKER
Fernand Lafeuille, Paris, France
Application May 10, 1938, Serial No. 207,110
In France July 23, 1937
4 Claims. (Cl. 127—16)



1. A crystallizer comprising a rotatable closed cylindrical casing, a plurality of tubular elements arranged in radial groups, the tubes of said radial groups being interconnected, so as to form banks of tubes of even number, in such a manner that both the inlet orifice and the outlet orifice of each of said banks are located at the same end of the drum, pipes welded on the ends of said tubes forming connections between the tubes of the same plane and between the tubes of one plane with those of another plane and filling and emptying doors located in said casing in the spaces which separate two groups of tubes.

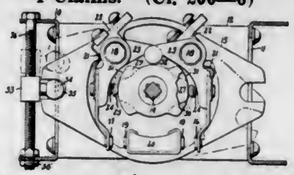
2,202,697
MIRROR
William La Hodny, Buffalo, N. Y.
Application January 18, 1938, Serial No. 185,567
3 Claims. (Cl. 88—98)

1. A mirror structure, comprising a transparent mirror panel provided with a reflective coating on its rear face, a metal holder for said panel and including a rigid rim formed at its margin to provide an enlarged internal channel receiving the margin of said mirror panel and the front part of said rim being extended inwardly in front of said panel, and a sealing member composed of rubber including an enlarged



rim fitting said channel and embracing the margin of said panel and held under compression against its front and rear faces and its edge by said rigid rim and said sealing member also including a thin, imperforate, rubber diaphragm having its margin integrally formed with said rubber rim, said diaphragm extending across the entire coating face of said mirror panel in nonadhesive engagement therewith.

2,202,698
ELECTRIC SWITCH
Isaac R. Latta, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application October 21, 1938, Serial No. 236,269
4 Claims. (Cl. 200—6)



1. An electric switch comprising a support, two cooperating contacts mounted on said support one stationary and the other movable relatively to the support, means for effecting relative movement of said contacts including a shaft extending through said support and constituting a pivot for angular movement of the support and two cams mounted on said shaft for movement therewith one for effecting the circuit opening movement of said contacts and the other for effecting the circuit closing movement of the contacts, and means for turning said support on said shaft relatively to the operating faces of said cams whereby to cause the circuit opening and closing movements of said contacts at different angular positions of the cams relatively to the support.

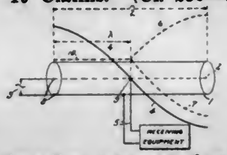
2,202,699
TRANSMISSION APPARATUS
Laurance M. Leeds, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 21, 1935, Serial No. 55,584
5 Claims. (Cl. 250—9)



1. In a short wave radio signal system comprising a short wave antenna, and a transmitter and receiver connected thereto and adapted for operation at different wavelengths, a standing wave transmission line connected to said antenna

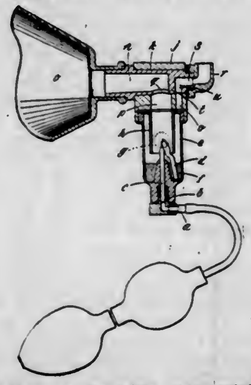
to have oscillations of each of said wavelengths at which said transmitter and receiver operate impressed between the two conductors thereof at the end of said line adjacent said antenna, means to excite on said line standing waves of each of said different wavelengths and to produce on said line a node of voltage of the wavelength at which the transmitter operates between said conductors at a certain point where exist substantial voltages of the wavelength at which the receiver operates, and means to connect said receiver between said conductors at said point.

2,202,700
TRANSMISSION APPARATUS
Laurance M. Leeds, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 7, 1937, Serial No. 141,293
10 Claims. (Cl. 250—9)



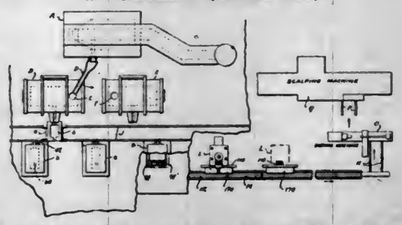
1. In combination, a source of oscillations having a desired frequency and an undesired frequency, a transmission line, a load device, means to connect said source to said line at one end thereof to have waves of each of said frequencies impressed thereon and to cause standing waves of said undesired frequency to exist throughout the length of said line, and means to connect said load device to said line at a nodal point of said standing waves, said load device having an input impedance substantially equal to the surge impedance of said line, whereby only a traveling wave of said desired frequency exists on the portion of said line between said end of said line and the point of connection thereto of said load device.

2,202,701
INHALATION APPARATUS
Herbert Lehmann, Hampstead, London, England, assignor to Riddell Products Limited, London, England, a British company
Application December 13, 1939, Serial No. 309,089
In United Kingdom December 22, 1938
6 Claims. (Cl. 128—185)



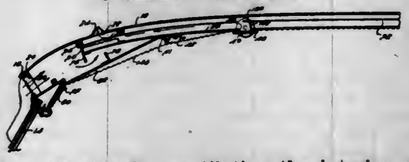
1. Inhalation apparatus comprising an air compressor, a jet of a spray producer, a conduit to lead the compressed air from the compressor to the jet, a container for the liquid to be sprayed, said container having a spray outlet and an orifice additional thereto which serves both as a filling orifice and as an air inlet and common means for simultaneously closing both the spray outlet and the additional orifice when desired.

2,202,702
MATERIAL HANDLING MECHANISM
Karl A. Lindner, Plainfield, and Bartel Di Santo, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application November 15, 1938, Serial No. 241,148
21 Claims. (Cl. 29—33)



1. Apparatus for producing metallic billets by continuous casting comprising, in combination, a plurality of casting furnaces located at a multiple of operating stations for continuously casting the metal, mechanism for machining the cast billets, a melting furnace for melting metal to be cast, a second furnace for receiving metal from the melting furnace and for holding a supply of the metal in molten and refined condition for introduction into the casting furnaces, means for transferring metal from the holding furnace to any selected casting furnace for replenishing the supply of metal in the casting furnaces as the supply of metal in the casting furnaces becomes depleted, means for continuously withdrawing solidified cast metal from the casting furnaces, instrumentalities for cutting the cast metal into successive billets, conveying mechanism for conveying the billets to the said machining mechanism, and means for supplying billets at a predetermined rate to the conveying mechanism for preventing overcrowding of the billets at the machining mechanism.

2,202,703
VEHICLE VENTILATION APPARATUS
Alfred R. Lintern, Detroit, Mich., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application November 20, 1936, Serial No. 111,786
6 Claims. (Cl. 98—2)



1. Apparatus for ventilating the interior of a closed vehicle having the front windshield comprising means forming intake and exhaust openings in the roof of said vehicle above said windshield, means forming a first chamber in communication with said exhaust openings, said first chamber extending longitudinally of the roof of said vehicle and having spaced openings communicating with the interior of said body adjacent the front and rear portions thereof, and means

forming a second chamber in communication with said intake openings, said second chamber having a front portion adjacent said windshield and having side portions extending longitudinally of said vehicle body, each of said side portions having openings communicating with the interior of said vehicle body, and means forming a conduit communicating with said front portion and extending to a position immediately behind and above said windshield and having an opening therethrough adjacent said windshield for directing air thereagainst.

2,202,704

PROCESS FOR SYNTHESIZING THERAPEUTIC AGENTS AND PRODUCTS RESULTING THEREFROM

Russell Earl Marker and Thomas S. Oakwood, State College, Pa., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application August 6, 1936, Serial No. 94,717
16 Claims. (Cl. 260—397)

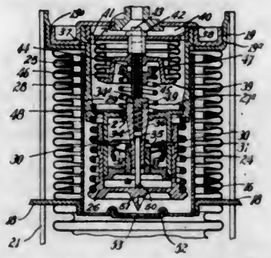
1. In the process for preparing an estrogenic compound, the steps of reducing dehydroneoergosterol to tetra-hydro-dehydroneoergosterol with a reducing agent capable of adding four hydrogen atoms to ring B of dehydroneoergosterol without affecting the phenolic ring thereof, converting the 3-hydroxyl group of the reduction product to a group resistant to oxidation and capable of hydrolysis to give hydroxyl, and oxidizing the thus protected tetra-hydro-dehydroneoergosterol to an estrogenic compound.

2,202,705

TEMPERATURE CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINES

William Frederick Forrest Martin-Hurst and James Antony Hosking Sargeaunt, Sunbury-on-Thames, England, assignors to The British Thermostat Company Limited, Sunbury-on-Thames, England, a company of Great Britain

Application September 6, 1938, Serial No. 228,648
In Great Britain October 6, 1937
13 Claims. (Cl. 236—34)



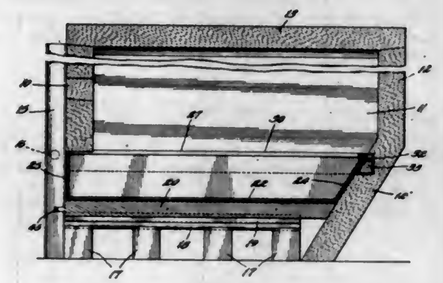
1. A temperature regulating device for the cooling system of an internal combustion engine having a passageway for the flow of a cooling fluid and a valve controlling the flow of said fluid therein, comprising temperature sensitive means subject to the temperature of the cooling fluid in said passageway and connected to said valve and operative by fluid pressure in response to a rise in temperature of said cooling fluid to open said valve, normally inactive auxiliary means connected to said valve for opening it, and means responsive to an abnormal drop in pressure of the operating fluid of said temperature sensitive means for rendering said auxiliary means operative to open the valve.

2,202,706

DEVICE FOR COLLECTING AND REMOVING SLAG IN OPEN HEARTH FURNACES

John Matela, Chicago, Ill., assignor to Walter S. Bednarski, Chicago, Ill., as trustee

Application October 30, 1939, Serial No. 301,885
6 Claims. (Cl. 263—45)



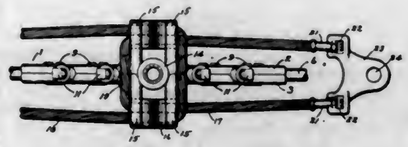
1. In a furnace including a plurality of vertical walls, a slag collecting device comprising a receptacle removably positioned within said walls, said receptacle when in an operative position defining in conjunction with said walls a heating chamber, and a water jacket upon said walls, said water jacket being provided with a recess for receiving therewithin the rim portion of said receptacle when the latter remains in an operative position within said walls.

2,202,707

TROLLEY WIRE SUPPORT

Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application May 24, 1939, Serial No. 275,476
6 Claims. (Cl. 191—40)



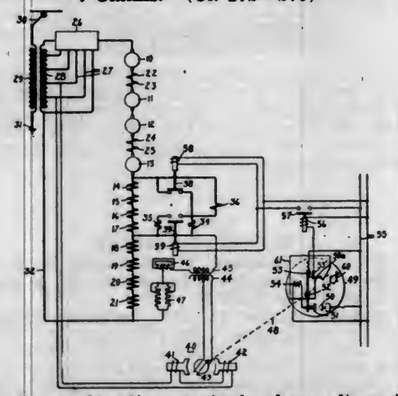
1. A trolley wire support and strain device comprising an elongated body split longitudinally and having lips to engage the trolley wire and means for securing the parts of the body together and to the trolley wire, obliquely disposed means movable into engagement with the trolley wire to hold it against longitudinal movement relative to the wire, an integrally formed arm projecting laterally from each part of the body and in opposite directions from the body, each arm having a longitudinally disposed groove in substantially common plane with the lips of the body to receive the longitudinally disposed portions of a looped anchor cable and a transverse groove adjacent the union of the arms with the body to receive the bight of the anchor cable whereby the bight of the looped cable may rest in the transverse groove and the longitudinally disposed portions rest in the longitudinal grooves and project longitudinally along the trolley wire to a point of anchorage and means integrally formed with one part of the body to secure the device to a support.

2,202,708

CONTROL SYSTEM

Jacob W. McNairy, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application June 3, 1939, Serial No. 277,250
7 Claims. (Cl. 172—276)



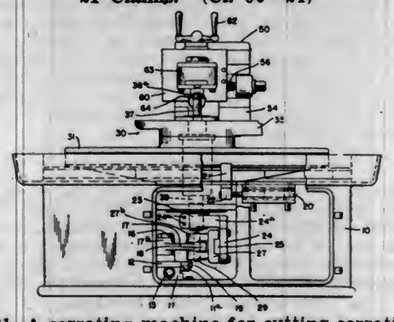
1. In combination, a single-phase alternating current motor provided with exciting and interpole field windings and an armature winding, means for supplying an alternating current to said motor, means for controlling the connections of said interpole field winding comprising a stator winding, a rotatably mounted winding inductively associated with said stator winding, circuit control means operated by said rotor for controlling the connections of said interpole field windings, means connecting one of said windings to said supply means, and connections for connecting the other of said windings across said exciting field winding for energization in accordance with the voltage of said exciting field winding, and a saturable reactor included in said connections for offsetting the effect of changes in the current in said motor and thereby causing said rotor to operate said control means at a predetermined speed of said motor, said reactor being constructed to begin to be saturated magnetically by predetermined currents through said reactor thereby to cause operation of said rotor at decreasing speeds with increasing currents in the circuit of said motor.

2,202,709

MACHINE FOR MANUFACTURING ROTARY GEAR CUTTERS

Max Mentley, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan

Application July 26, 1937, Serial No. 155,805
21 Claims. (Cl. 90—24)



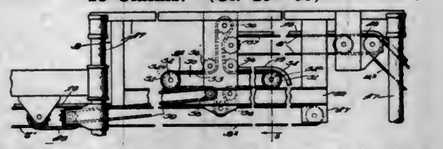
21. A serrating machine for cutting serrations in the faces of the gear teeth comprising a support for mounting a gear to be serrated for reciprocation and rotation, means for holding a serrating tool rigidly in adjusted position, means for reciprocating said support, linkage for rotating said support in response to reciprocation.

2,202,710

BAT FABRICATING AND CUSHION MAKING APPARATUS

Allister S. Mitchell, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Application February 4, 1937, Serial No. 124,107
18 Claims. (Cl. 19—68)



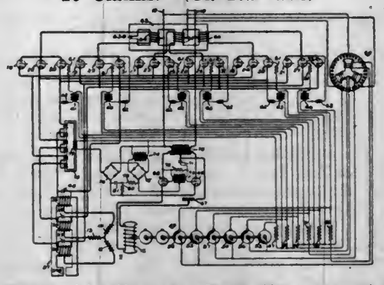
7. In apparatus of the character set forth: a bat-fabricating machine serving to fabricate and deliver a continuous bat; an upholstery making machine for utilizing said bat; a conveyer disposed so as to support and convey a variable length of continuous bat from one machine to the other; and means for automatically moving the conveyer bodily to vary the length of bat thereon according to the relative speeds of the two machines.

2,202,711

ELECTRIC VALVE CONVERTING SYSTEM

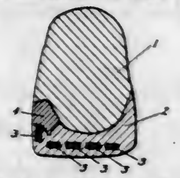
Marvin M. Morack, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 12, 1937, Serial No. 158,693
10 Claims. (Cl. 172—274)



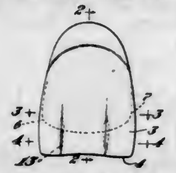
1. In combination, an alternating current supply circuit, a variable speed electric motor comprising a plurality of phase windings and an exciting winding and of the type in which the magnetomotive force of said phase windings and the magnetomotive force of said exciting winding are maintained in synchronism during variable speed operation, electric translating apparatus connected between said supply circuit and said phase winding and comprising a plurality of electric valve means for effecting selective energization of said phase windings from said supply circuit, a controlled electric valve rectifier for supplying energy to said exciting winding, and means responsive to the current traversing said phase windings for maintaining continuously the output of said rectifier proportional to the magnitude of the current supplied to said phase windings so as to give said motor direct-current series-motor characteristics.

2,202,712
ARTIFICIAL TOOTH
Simon Myerson, Brookline, Mass.
Application October 5, 1936, Serial No. 104,039
5 Claims. (Cl. 32—8)



3. An artificial tooth of the kind having a body portion of relatively opaque material which constitutes the major part of the tooth and enamel forming the incisal edge of the tooth, part of a downwardly tapering mass of enamel which is relatively transparent as compared with the body-forming material and which constitutes the incisal portion of the tooth, characterized in that said mass of enamel is of substantial depth below the lower end of the body portion and further characterized in that the tooth has, within the outer boundaries of said incisal portion, solid, preformed inserts of predetermined size and shape embedded within the substance of the tooth and which are more transparent than other parts of the incisal portion whereby, when the tooth is viewed against the dark background of the oral cavity, said areas appear darker than the surrounding material.

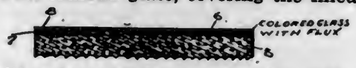
2,202,713
ARTIFICIAL TOOTH
Simon Myerson, Brookline, Mass.
Application December 20, 1937, Serial No. 180,725
Renewed June 14, 1939
9 Claims. (Cl. 32—9)



8. An artificial tooth of the kind in which the body portion has a layer of enamel fused to its labial surface, characterized in having an elongate insert embedded in said enamel layer, said insert differing in optical properties from the enamel layer and being of substantially triangular transverse section with one acute longitudinal edge thereof disposed substantially in the labial surface of the enamel layer and with its lateral faces diverging rearwardly from said edge within the substance of the enamel whereby light which enters through the enamel is reflected toward the observer with varying effect from surfaces of the insert which are inclined to the labial face of the tooth, said enamel, insert and body portion being interfused with each other.

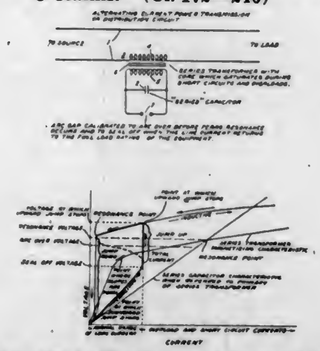
2,202,714
METHOD OF PRODUCING A CELLULAR GLASS PRODUCT
Arthur D. Nash, Sewickley, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application October 20, 1937, Serial No. 169,987
3 Claims. (Cl. 49—82)

2. A method of treating the porous surface of a plate of cellular glass which consists in supporting the plate with such surface horizontal, applying a layer of finely crushed clear glass to the surface, leveling off the excess glass with a straight edge, leaving the pores of the surface filled with crushed glass, covering the filled sur-



face with a layer of finely crushed colored glass mixed with a flux, exposing the plate to a temperature sufficient to fuse the crushed glass, but below the temperature at which the cellular structure of the plate is affected, and then annealing the plate.

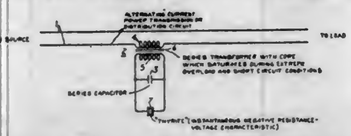
2,202,715
ELECTRIC CIRCUIT
Robert M. Partington, New Lebanon, N. Y., assignor to General Electric Company, a corporation of New York
Application August 24, 1939, Serial No. 291,717
3 Claims. (Cl. 172—246)



1. In an alternating current power distribution system of the substantially constant potential type, in combination, a variably loaded circuit which has occasional overloads and short circuits and which has an appreciable amount of series inductance, a capacitor for normally neutralizing said inductance, a series transformer having a primary winding connected in said circuit and having a secondary winding connected across said capacitor so as to form a series capacitor-transformer, the overload and short circuit current values in said circuit being so great that they cause magnetic saturation of said transformer thereby producing a ferro-resonant phenomenon which causes a resultant inductive voltage drop across said primary winding which normally persists until the circuit current is reduced to a relatively low value in its normal range, and means for preventing the occurrence of said phenomenon comprising an arc gap connected in parallel circuit relation to said series capacitor-transformer, said arc gap being calibrated and constructed to arc over at a voltage lower than the voltage occurring at the resonance point.

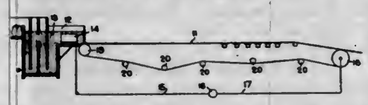
2,202,716
ELECTRIC CIRCUIT
Robert M. Partington, New Lebanon, N. Y., assignor to General Electric Company, a corporation of New York
Application September 12, 1939, Serial No. 294,462
10 Claims. (Cl. 172—246)

1. In a substantially constant voltage variable load alternating current power distribution circuit of the type having an inductance neutralizing series capacitor connected therein by means of an iron cored series transformer and in which short-circuit and other abnormally high currents magnetically saturate said core and produce a jumping ferro-resonant condition between said capacitor and transformer which causes those two elements to produce a resultant inductive effect in said circuit which persists until the circuit current falls to a relatively low value within its normal current range, the combination with said capacitor and transformer of a resistance ele-



ment having a negative resistance-voltage characteristic which is substantially independent of temperature and frequency and substantially instantaneous in action connected to said series transformer so as to have a voltage applied thereacross which is proportional to the voltage of said series transformer, said resistance element having such a resistance at the relatively high voltage across said transformer accompanying the closest approach to resonance between said capacitor and transformer that it will cause the current in said circuit under such conditions to exceed the continuous full load current rating of said circuit.

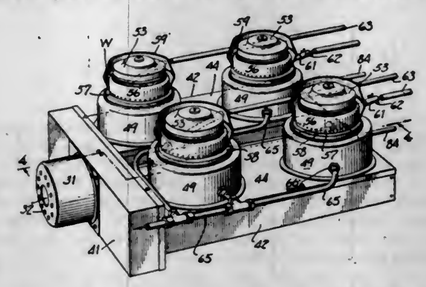
2,202,717
PROCESS OF MAKING PAPER
Donald K. Pattilloch, Boston, Mass., assignor to Pattilloch Processes, Inc., Boston, Mass., a corporation of Massachusetts
Application March 20, 1936, Serial No. 69,844
3 Claims. (Cl. 92—21)



1. The method of making paper from fibre-water mixture containing negatively-charged colloids which consists in flowing the fibre-water mixture over electrically-charged anode and cathode electrodes and maintaining the fibre-water mixture in the electrified zone between said electrodes for a time period which is sufficient for the negatively-charged colloids to be attracted to the anode and to be discharged therefrom as positively-charged gel, but which is insufficient to permit any appreciable number of the cellulose fibres to be attracted into physical contact with the anode, whereby the positively-charged gel discharged from the anode unites with the negatively-charged cellulose fibre and becomes electrostatically bonded thereto.

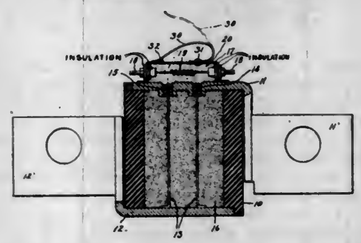
2,202,718
OIL BURNER
Richard M. Runge and Ernest B. Pascucci, Meriden, Conn., assignors to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application October 31, 1938, Serial No. 237,826
28 Claims. (Cl. 126—45)

1. A burner for use in oil stoves comprising a double walled wick tube, a wick, an air distributor within the wick tube, a flame spreader extending over and spaced from the wick, an air-chest communicating with the inside of the wick tube, an outer air tube communicating with the air-chest, spaced from the outside of the wick tube and carrying a constricted collar terminating close to the upper end of the wick tube, means for blowing air into the air-chest to create a forced draft through the passages defined by the air distributor, the flame spreader, the wick tube, the outer tube and the collar to cool the lower part of the wick tube and provide air to



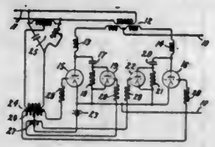
maintain combustion at the top of the wick, a vertically reciprocable rod extending up through the wick tube and flame spreader, a snuffer carried by the upper end of the rod above the flame spreader and having a diameter greater than the wick, releasable rod holding means for supporting the rod in an elevated position with the snuffer above the wick where it does not interfere with flame propagation, the rod, when released, dropping to bring the snuffer down to cover the top of the wick to cut off the flow of the air supply from the top of the wick and extinguish the flame.

2,202,719
PROTECTIVE DEVICE FOR ELECTRIC CIRCUITS
Alfred M. Schmidt, Annaberg in Erzgebirge, Germany, assignor to General Electric Company, a corporation of New York
Application February 24, 1938, Serial No. 192,382
In Germany February 27, 1937
2 Claims. (Cl. 200—123)



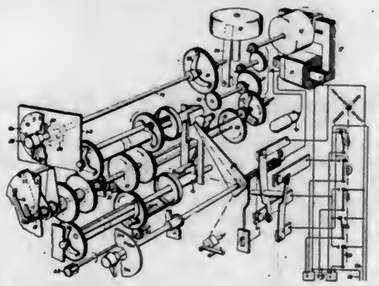
1. A fuse device including in combination, a casing having spaced terminal members, a fusible conductor electrically connected between said members and having one end mechanically joined to one of said members by means of a body of fusible material, a body of sandy arc-quenching material surrounding said conductor adjacent said junction, a body of ignitable material in heat exchange relation to said one terminal member, and an electrically energizable heater element operable for effecting ignition of said ignitable material.

2,202,720
ELECTRIC VALVE CONVERTING SYSTEM
Walter Spielhagen, Berlin-Lichterfelde, Germany, assignor to General Electric Company, a corporation of New York
Application June 28, 1938, Serial No. 216,328
In Germany July 9, 1937
10 Claims. (Cl. 175—363)



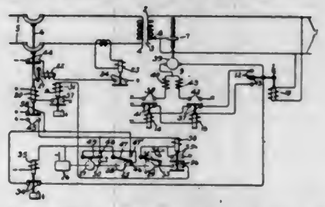
1. The combination in an electric valve converting system comprising a controlled electric valve, serially connected capacitance and impedance means arranged in a charging circuit in parallel relation with said valve, and means in shunt connection with said impedance for short circuiting said impedance near the end of the period of conductivity of said valve.

2,202,721
TIME SWITCH ALARM
Herbert H. Andersen, Beverly, Mass., assignor to General Electric Company, a corporation of New York
Original application February 24, 1939, Serial No. 258,219. Divided and this application November 7, 1939, Serial No. 303,256
1 Claim. (Cl. 161—23)



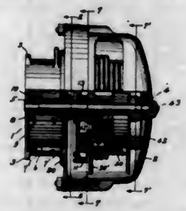
A timer, a clock motor for driving said timer, a bell signal for signaling short timing periods comprising a rotary and axially movable shaft, a turning knob and indicator pointer on the front end of said shaft, a time graduated dial on which said pointer indicates, a supporting plate through which said shaft extends, a member secured to said shaft behind said plate having a finger eccentric to said shaft, an opening in said plate at one point in the arc of travel of said finger with which said finger registers in one rotative position corresponding to a zero time indication of said pointer on said dial, a spring fixed at one end and pressing forward against the rear end of said shaft and serving to press said finger against said plate and into said opening when the finger registers therewith, a bell, a bell hammer on the free end of said spring, said spring also serving as a bell clapper to strike said bell when the shaft is moved forward at its zero time indicating rotary position, a gear rotatively mounted on said shaft driven by said motor and a slip friction clutch between said gear and shaft.

2,202,722
SYSTEM OF ELECTRIC DISTRIBUTION
Arvid E. Anderson, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application August 17, 1938, Serial No. 225,395
8 Claims. (Cl. 171—119)



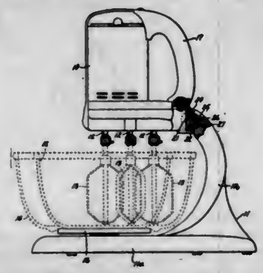
1. In a system of electric distribution including an electric circuit, a transformer connected to said circuit and having a winding provided with a plurality of taps, tap-changing mechanism for changing from one tap to another of said winding, a circuit breaker in said circuit, means for opening said circuit breaker, and automatic reclosing means operative for a predetermined time interval in response to the opening of said circuit breaker to effect the reclosure of said circuit breaker a predetermined number of times within said predetermined time interval, a control arrangement for said tap-changing mechanism including means responsive to a predetermined electrical condition of said system for controlling the operation of said tap-changing mechanism, and means responsive to the opening of said circuit breaker for rendering said tap-changing mechanism inoperative while said automatic reclosing means is in operation.

2,202,723
TROLLEY TENDER
Rex G. Averill, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application January 17, 1939, Serial No. 251,395
5 Claims. (Cl. 191—93)



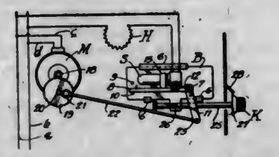
1. In a trolley tender of the class described provided with a case including a retrieving spring and a holding mechanism to lock the spring in a wound condition, the combination therewith of means operated by the retrieving spring to control the amount of rewind of the retrieving spring after having retrieved the trolley rope, the said means comprising a lever pivoted at one end to a pin fixed to the case and having a lug engaging the periphery of the spring, a spring urging the lug forward in constant contact with said spring surface, a second lever pivoted at one end to a pin fixed to the case and movable on its pin by the movement of the first lever and having a projecting lug to trip the holding mechanism to hold the spring against unwinding after it has been wound a predetermined number of turns, until automatically tripped.

2,202,724
HINGE STRUCTURE
Robert F. Bean, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Original application September 28, 1937, Serial No. 166,063, now Patent No. 2,192,843, dated March 5, 1940. Divided and this application September 8, 1938, Serial No. 228,971
11 Claims. (Cl. 248—13)



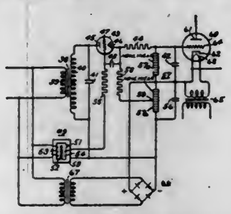
1. In a food-working device and the like having a base with a support at one end and a power unit overhanging said base, a hinge structure connecting said power unit to the top of said support for pivotal movement from its overhanging working position to an overhanging non-working position, said hinge structure including a lug on one of said members, and a slot in the other constructed and arranged to receive said lug when the power unit is in said non-working position, and cam means acting on said lug as the power unit is moved from said working position to said non-working position to elevate the power unit slightly until it reaches said non-working position where said lug registers with said slot, whereupon the power unit is permitted to fall so that the lug is received in said slot to lock the power unit in said non-working position.

2,202,725
PERIODIC SWITCH
Paul S. Bear, Elkhart, Ind., assignor to Bucklen-Bear Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
Application July 15, 1938, Serial No. 219,416
5 Claims. (Cl. 200—32)



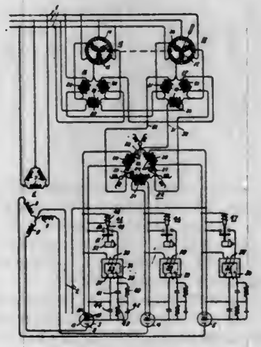
1. In a periodic switch, the combination of a movable control, operating means for the control including an actuator and a yieldable transmission in operative relation therewith and with the control, the transmission consisting of a primary element and a secondary element pivotally mounted for relative movement, the primary member being operatively associated with the actuator and the secondary element being arranged to actuate the control and a spring connecting the primary and secondary elements and arranged to permit the primary element to move while the secondary element is stationary, and means for varying the timing of the actuator transmission operation whereby to advance or delay movements imparted to the control.

2,202,726
ELECTRIC VALVE CIRCUIT
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 19, 1937, Serial No. 169,833
21 Claims. (Cl. 250—27)



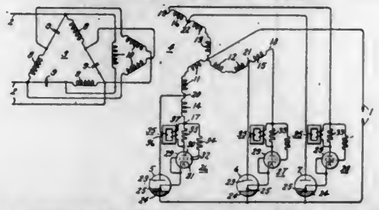
10. In combination, a source of current, a capacitance connected to be charged from said source, a discharge circuit for said capacitance comprising a serially connected resistive element having a non-linear resistance-current characteristic and a discharge valve having an anode, a cathode and a control member, means for connecting the anode-cathode circuit of said discharge valve in circuit with said resistive element, and means for impressing on said control member a voltage to render said discharge valve conductive periodically so that said capacitance is discharged through said resistive element thereby generating across said resistive element a periodic voltage of peaked wave form.

2,202,727
ELECTRIC VALVE CIRCUIT
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 19, 1937, Serial No. 169,834
6 Claims. (Cl. 250—27)



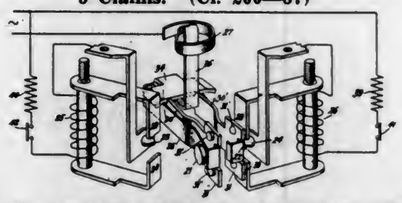
1. In combination, an electric valve means having a control member, and an excitation circuit for energizing said control member comprising a source of alternating voltage, a pair of induction devices each having relatively movable primary and secondary windings, said secondary windings being connected to produce respectively a pair of variable phase angle voltages having a vector resultant, means for operating said devices in a manner to vary the magnitude of said resultant while maintaining its phase position fixed, and means responsive to said alternating voltage and said resultant for impressing on said control member a voltage variable in phase.

2,202,728
ELECTRIC VALVE CIRCUIT
Burnice D. Bedford, Schenectady, and Elmo E. Moyer, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application October 26, 1939, Serial No. 301,394
6 Claims. (Cl. 175—354)



6. In combination, a supply circuit, a load circuit, electric translating apparatus connected between said circuits and including an inductive network having a winding and an electric valve means comprising an anode, a cathode and a control member, means for connecting said anode to said winding, means for energizing said control member comprising a control electric valve having an anode, a cathode and a grid, means for energizing said grid to render said control electric valve conductive and thereby to render first mentioned electric valve conductive, and a saturable inductive device connected between the anode-cathode circuits of said first mentioned valve and said control valve to render said control valve non-conductive upon the initiation of a discharge in said first mentioned valve.

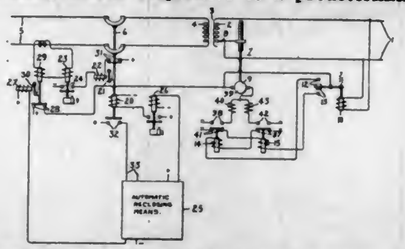
2,202,729
CONTACT ARRANGEMENT FOR RELAYS
Donald L. Beeman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 30, 1938, Serial No. 232,597
5 Claims. (Cl. 200—87)



1. In a seal-in contact arrangement for relays having a movable member and actuating means therefor, a seal-in electromagnet comprising a winding, relatively movable cooperating contacts one mounted for movement with and relatively to said member, an energizing circuit for said winding including said contacts, an armature for said electromagnet, and means resiliently supporting said armature on said member for movement therewith in circuit-closing direction and relatively thereto to the attracted position after engagement of said contacts and independently of further movement of the member.

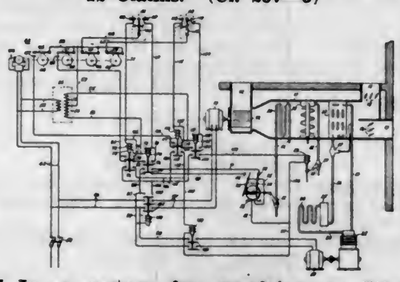
2,202,730
SYSTEM OF ELECTRIC DISTRIBUTION
Vernon L. Cox, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application August 13, 1938, Serial No. 224,754
6 Claims. (Cl. 171—119)

1. In a system of electric distribution including a transformer having a winding with a plurality of taps, tap-changing mechanism for changing the connections to said taps, a circuit breaker controlling the current in said transformer winding, fault responsive means connected to said system for effecting the opening of said circuit breaker, and means for automatically reclosing said circuit breaker when it is open, a control arrangement for said tap-changing mechanism including means responsive to a predetermined



electrical condition of said system for controlling the operation of said tap-changing mechanism, and means including fault responsive means connected to said system and having a shorter operating time than said first mentioned fault responsive means for rendering said tap-changing mechanism inoperative until said circuit breaker has been reclosed by said automatic reclosing means.

2,202,731
AUTOMATIC TEMPERATURE CONTROL
Harry R. Crago, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application June 16, 1936, Serial No. 85,524
12 Claims. (Cl. 257—3)

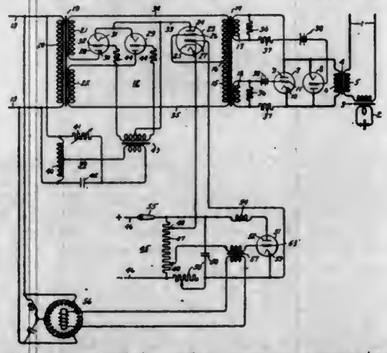


7. In a system for supplying conditioned medium to a space, the combination including heating means, cooling means, and humidifying means, electrical relays controlling operation of said heating and humidifying means, a pair of electrical relays controlling said cooling means, thermal responsive means within said space for selectively energizing the relay controlling said heating means and one of said pair of relays controlling said cooling means, and humidity responsive means within said space for selectively energizing the other of said pair of relays controlling said cooling means and the relay controlling said humidifying means.

2,202,732
ELECTRIC TRANSLATING APPARATUS
George W. Garman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 24, 1937, Serial No. 138,817
Renewed October 10, 1939
12 Claims. (Cl. 250—27)

1. In combination, an alternating current circuit, a second alternating current circuit, electric

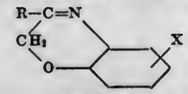
translating apparatus interconnecting said alternating current circuits and including a pair of electric circuits arranged to conduct current alternately to transmit energy from said first mentioned circuit to said second circuit, a pair of electric valves each having a control member and each connected in a different one of said pair of



circuits, an electric valve means connected in series relation with said pair of electric valves to control the period during which energy is transmitted by said pair of circuits, and means for energizing said control members to control the amount of energy transmitted by said pair of circuits during said period.

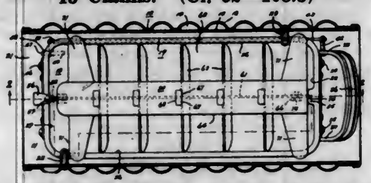
2,202,733
ORGANIC ARSENIC COMPOUNDS AND METHOD OF OBTAINING THE SAME
Cliff S. Hamilton, Lincoln, Nebr., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 14, 1937, Serial No. 148,241
4 Claims. (Cl. 260—242)

1. A compound designated by the formula



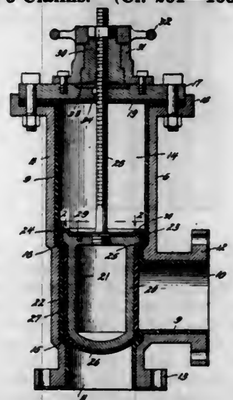
where R is a lower alkyl radical and X is an arsenic group of the class consisting of arsonic acids and their soluble salts, arseno compounds, arsine oxides, thioarsenites and the water-soluble alkali metal salts thereof.

2,202,734
REFRIGERATING APPARATUS
James W. Jacobs, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 23, 1938, Serial No. 242,016
15 Claims. (Cl. 62—108.5)



11. A liquid freezing device comprising in comprising in combination, a resilient metal tray, a grid structure disposed within said tray and including a plurality of rigid metal walls dividing the interior thereof into a plurality of ice block compartments, certain of the walls of said grid structure being movable relative to a certain other wall thereof, a member connected to said certain of the grid walls and having a portion thereof extending over a part of said tray, means associated with said tray and being constructed and arranged to cause twisting thereof upon application of force thereto, said member being engaged by a part of said tray and elevated relative thereto by the twisting thereof, and the connection of said member with said certain grid walls being such that the elevation of said member causes movement of said certain grid walls relative to said certain other grid wall to break ice blocks loose from their compartment walls.

2,202,735
CORROSION RESISTANT VALVE
John S. Johnson, Scranton, Pa.
Application December 30, 1938, Serial No. 248,592
3 Claims. (Cl. 251—158)

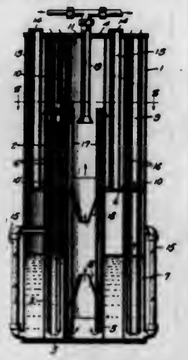


1. In a corrosion resistant valve, a valve body having an L-shaped passage and a valve chamber communicating therewith and in alignment with one branch of said passage, said branch of said passage and said valve chamber being provided with inwardly projecting peripheral seat portions, a valve member reciprocably mounted in said chamber and adapted to project into said passage, said valve member having a cylindrical surface adjacent one end thereof adapted to slidably engage the inner wall of said chamber, a seating surface adjacent said cylindrical surface adapted to engage said seat portion of said chamber, and a seating surface at the opposite end thereof adapted to engage said seat portion of said passage, said passage and chamber having an inner lining of corrosion resistant material and said valve member having an outer covering of corrosion resistant material, and means for reciprocating said valve member longitudinally of said chamber into and out of engagement with said seats, said valve member having a relatively tight sliding engagement with a portion of the wall of said chamber adjacent said passage, whereby a double seal is effected between said passage and the outer end of said chamber.

2,202,736
AIR MOISTENER
Maxime Jolivet, West Englewood, Teaneck, N. J.
Application September 28, 1937, Serial No. 166,208
1 Claim. (Cl. 261—23)

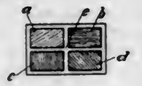
An air moistener comprising substantially mu-

tually independent spaced inner, outer and intermediate concentric cylinders, heads closing the ends of said cylinders, partitions in said cylinders for dividing the latter into liquid chambers and air chambers arranged above said liquid chambers, and a mixing chamber arranged within the inner cylinder extending the full length of said cylinders and opening adjacent the bottom thereof to receive the moisture laden air from the said liquid chambers, said liquid and air chambers being located in the intermediate and outer cylinders, liquid filling tubes extending through one of the heads and the partitions for directing liquid into the said intermediate and outer liquid chambers, air admitting tubes extending



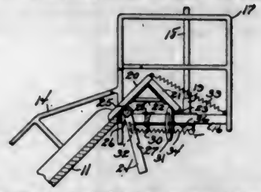
through said last-named head, air chambers, partitions and terminating below the normal level of the liquid of the liquid chambers and adjacent the other head, said partitions having ports to admit moistened air from the liquid chambers to the air chambers thereabove, transfer tubes connected to the intermediate and outer air chambers and located in the inner mixing chamber and terminating adjacent the lower end thereof, spaced superimposed conical-shaped baffles having openings in the apexes thereof and arranged in the mixing chamber and having the transfer tubes extending therethrough, and means for admitting suction to the upper portion of the mixing chamber and above the uppermost baffle.

2,202,737
PHOTOGRAPHIC FILTER
Adolf H. Kampfer and Albert Schattmann, Charlottenburg, Berlin, Germany; said Schattmann assignor to said Kampfer
Original application October 7, 1937, Serial No. 167,850. Divided and this application March 7, 1939, Serial No. 260,418. In Germany October 14, 1936
1 Claim. (Cl. 95—81.5)



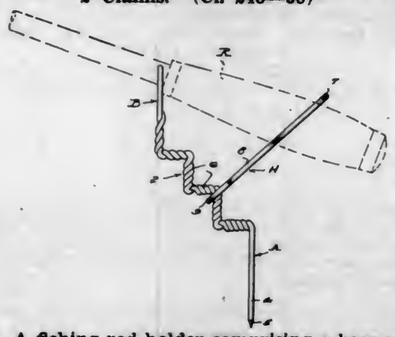
As an article of manufacture, a photographic filter comprising a frame having the dimensions of the standard cinematographic frame of normal size, the frame enclosing a plurality of part-area filters of different densities, the part-area filters being separated from each other by transparent cross bars defining the individual part-areas.

2,202,738
AMUSEMENT DEVICE
Roy E. Keller, Arlington, Va.
Application June 6, 1939, Serial No. 277,706
2 Claims. (Cl. 273—102.1)



1. An amusement device comprising an inclined slide, a platform at the top of the slide, a seat, a support rigidly secured to the seat and extending downwardly at a right angle from the rear edge thereof, a pivotal connection between the bottom of the support and the platform adapted to cause the seat to fall forward into a position in alignment with the slide with its front edge portion contacting the upper edge portion of the slide, a latch bar pivoted to the lower side of the seat and extending downwardly through an opening in the platform, a keeper on the platform with which the latch bar engages, and an operating lever pivoted between its ends on the lower side of the platform and extending laterally beyond the platform and beyond the slide adapted to release the latch bar from the keeper and permit the seat to rock forward to dump an occupant thereof onto the slide.

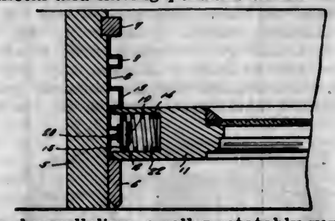
2,202,739
FISHING ROD SUPPORT
Earl V. Kilby, Chagrin Falls, Ohio
Application July 5, 1939, Serial No. 282,877
2 Claims. (Cl. 248—38)



1. A fishing rod holder comprising a base part forming supporting means, a shank rising from the base part and having a wide part at its upper end, the top of which is shaped to provide a concavity to form a seat for a part of a fishing rod, said shank being shaped to provide a plurality of angle-shaped portions and a hook having an eye at its lower end through which the shank passes and which is adapted to engage any one of the angle-shaped parts, the hook part being adapted to engage the handle of the fishing rod to releasably hold the rod with a part resting on the seat forming portion.

2,202,740
SASH BALANCE
John A. Krish, Torrington, Conn.
Application September 14, 1938, Serial No. 229,965
2 Claims. (Cl. 292—75)

1. A sash balance for a window sash wherein a guide is provided for the sash, said sash balance comprising a roller support adapted for mounting in the sash, said support being formed of sheet metal and having portions struck inwardly

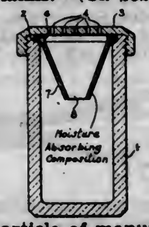


in spaced parallelism, a roller rotatably supported on said inwardly struck portions and spring means engaging the support for yieldably urging the roller into engagement with the guide.

2,202,741
DETERGENT COMPOSITION
Robert W. Maxwell, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 24, 1937, Serial No. 160,675
1 Claim. (Cl. 87—5)

A solid detergent in bar form, the solid components of which consist of sodium dodecylsulfate, sodium sulfate, and, as a binder, sodium starchglycolate.

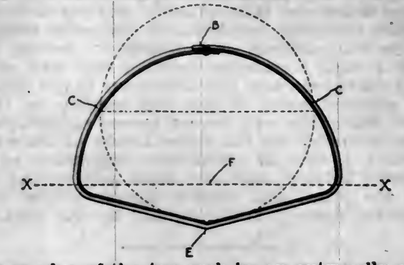
2,202,742
MOISTURE ABSORBENT
Jesse C. McCorkhill, Jacksonville, Fla.
Original application June 24, 1936, Serial No. 87,024. Divided and this application November 2, 1937, Serial No. 172,424
3 Claims. (Cl. 252—2.5)



1. A molded article of manufacture for use as a moisture absorbing element, comprising an intimate mixture of 20 to 30% by weight of plaster of Paris, 30 to 40% of silica, of approximately 300 mesh fineness and 30 to 50% by weight of water dried to a hard mass and having a peripheral flange portion, and at least one perforation therethrough for the passage of the substance to be protected from the moisture by said article.

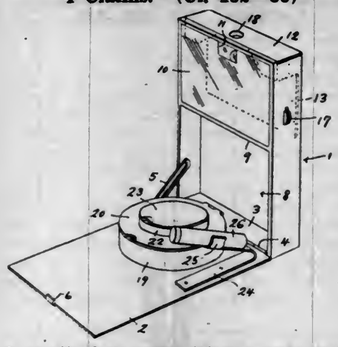
2,202,743
METAL CULVERT
David L. Miller and Albert G. Felker, Marshfield, Wis.
Application June 9, 1939, Serial No. 278,374
4 Claims. (Cl. 138—70)

2. A metal culvert having an arched top of substantially semi-circular shape and size, and a truss bottom supporting and sustaining the arched top against collapsing strains and having flat longitudinal half sections converged inwardly and downwardly from the bottom edges of the arched top of the culvert, the outer end of each bottom half section being connected with the adjacent



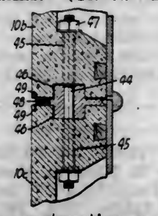
lower edge of the top arch by an outwardly convexed curved portion.

2,202,744
VANITY BOX
Eldon D. Motz, North Canton, Ohio
Application June 9, 1939, Serial No. 278,341
4 Claims. (Cl. 132—83)



1. A vanity box comprising a case open at its front, a mirror mounted in the front portion of the case, a removable top insertable in the upper portion of the case, a plate depending from the rear portion of the top, and an electric lamp mounted on said plate, the mirror having a window therein for the passage of light from the electric lamp and the removable top having an opening therein adjacent the lamp for the passage of light therefrom.

2,202,745
BUILDING CONSTRUCTION
Robert B. Muse, San Francisco, Calif., assignor to Barrett & Hilp, San Francisco, Calif., a copartnership consisting of J. Frank Barrett and Harry H. Hilp
Application March 8, 1938, Serial No. 194,573
5 Claims. (Cl. 72—1)



1. In a building construction, a pair of upright wall sections formed of pre-cast concrete, said sections being of a height at least equal to one

story of the building, adjacent edges of said sections, at a wall junction, being provided with recesses which are in substantial registry to form a space extending substantially the entire height of the wall sections, metal members serving to form a loose connection between said wall sections during erection and alignment of the same, the adjacent edges of said wall sections on the outer side of the wall having spaced parallel end faces extending for the entire height of the wall sections, a strip of compressed expansible cork disposed between said end faces and serving to seal the joint, and cement mortar within the aforesaid space to afford rigidity for the joint.

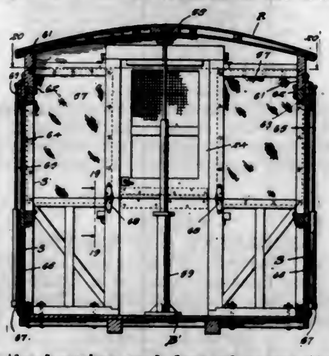
2,202,746
SELF-CENTERING SPINDLE FOR SPINNING FRAMES
Joseph Raboisson, Soultz, France, assignor to Society: "Manufacture Alsacienne de Broches, Anciennement les Fils d'Edouard Latscha S. a. r. L.", Soultz (Haut-Rhin), France
Application February 18, 1937, Serial No. 126,496
In France March 6, 1936
2 Claims. (Cl. 308—149)



1. In a bearing for a self-centering spindle for spinning frames or the like, a rotatable spindle having a pointed pivot end, a bolster and step in one piece having an externally conical bottom the lower inner end of which receives the pointed end of the spindle while its upper part forms a socket, and a bolster case in which is located the sleeve, the lower inner end of said bolster case being spherical internally, a cup shaped mount situated intermediate the conical bottom of the bolster and the spherical lower end of the bolster case, said mount being internally conical to receive and fit the external conical bottom of the bolster and being spherical externally to bear and fit the spherical lower end of the bolster case having the same radius, and one single element for preventing and limiting the lateral and axial displacements and the rotation of the bolster in the bolster case, said element being constituted by a continuous rubber ring between the upper part of the bolster case and the socket of the bolster upon which said ring is tightly applied.

2,202,747
VEHICLE BODY
Ruby R. Roloson, Brady, Tex.
Application June 29, 1937, Serial No. 151,006
3 Claims. (Cl. 296—23)

1. A vehicle body comprising a floor structure, a housing of a knock-down type, means for securing the housing in applied position upon the floor structure, a roof structure, a jack interposed between the central portions of the floor structure and the roof structure for raising said roof structure as a unit, said roof structure when in one position closing the top of the housing when in assembly for occupancy, elongated guide rods secured to the roof structure and extending downwardly therefrom and free of connection with the housing, upstanding elongated members secured to the lower portion of the housing and free of connection with the roof structure, said rods and members being slidably engaged one with the other and coacting to provide both a guiding means and reinforcement for the roof structure, said sliding engagement between the rods and members being telescopic, said rods and members being positioned exteriorly of the housing when assembled for occupancy to offer no obstruction to the housing when knocked down or extended.



2,202,748
SEPTUM SPLINT
Adrian Solo, Somerville, Mass.
Application April 25, 1938, Serial No. 204,244
2 Claims. (Cl. 128—76)

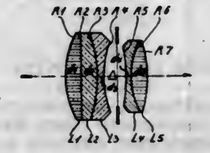


1. A device of the class described comprising a pair of body members, oppositely arranged screws engaging holes in the two members for adjusting them towards and away from each other, a stationary blade extending from the outer side of each member, blades pivoted to each member, a cam carried by each member and engaging parts of the pivoted blades for moving them outwardly into fan shape, and a screw engaging a threaded hole in each member for moving the cam against said parts of the blades.

2,202,749
ASYMMETRIC OBJECTIVE
Albrecht Wilhelm Tronnier, Gottingen, Germany, assignor to Jos. Schneider & Co. Optotechnische Gesellschaft Berlin, Berlin, Germany, a firm of Germany
Application August 9, 1938, Serial No. 223,960
In Germany October 4, 1935
1 Claim. (Cl. 88—57)

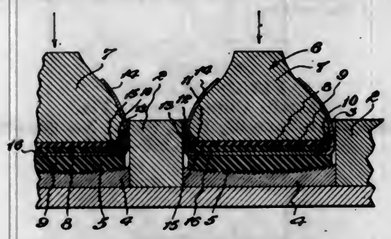
An asymmetric objective comprising two air spaced components in axial alignment and axially spaced apart a small distance on opposite sides

of the diaphragm, the component on the side associated with the shorter conjugate distance having two cemented elements and having a greater collecting action than the other component, the component on the side associated with the longer conjugate distance being built up from three lenses cemented together and having the form of a meniscus with surfaces concave towards the side associated with the shorter conjugate distance while at least one internal cemented face is concave towards the side associated with the longer conjugate distance and moreover the central lens incorporated in this component consists of a glass the refractive index for each color is at least 0.08 lower than the



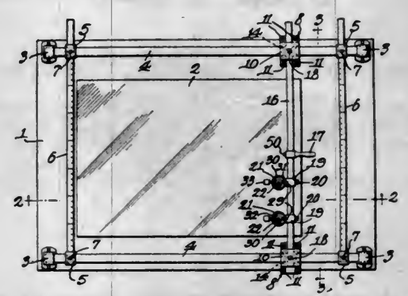
refractive index of each of the two adjacent lenses for the same color, and in addition the surface of the front component adjacent the definitely collecting component on the image side has a greater negative refraction power than the adjacent inner surface of the component on the image side, the sum of the refraction differences at the cemented surfaces in the front component minus the refraction difference in the rear component having a positive value of $\Delta N=(n_1-n_2)+(n_2-n_3)-(n_4-n_5)$ and is greater than 0.005 and at most 0.185, where ΔN is the sum of the refraction differences and (n_1 to n_5) are the respective refraction indices of the glass of lenses L_1 to L_5, respectively.

2,202,750
MEANS FOR MANUFACTURING RUBBER SOLED FOOTWEAR
Laurencio Adot Andia, Boston, Mass., assignor to Compania Industrial Del Caucho, Sociedad Anónima Comercial é Industrial, Buenos Aires, Argentine
Application July 16, 1938, Serial No. 219,657
3 Claims. (Cl. 18—45)



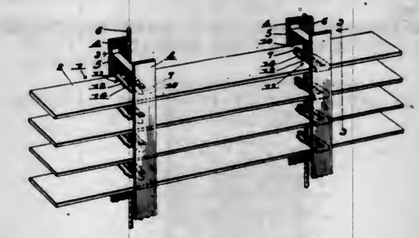
1. Means for manufacturing rubber soled footwear, comprising in combination an open topped mold for receiving an uncured sole, an upper carrying sectional last arranged within the mold and including a solid outer part the lower outer edge of which is beveled and at least one elastic inner part the lower outer edge of which is flanged upwardly and arranged in nesting relation with the beveled edge of the solid part, and the last being positioned completely within the mold and adapted to be expanded laterally when under pressure, whereby to seal the upper carried therewith against the wall of the mold at a point near the bottom thereof.

2,202,751
GLASS CUTTING MACHINE
Harmon W. Archer, Fort Smith, Ark.
Application March 3, 1939, Serial No. 259,699
1 Claim. (Cl. 33—32)



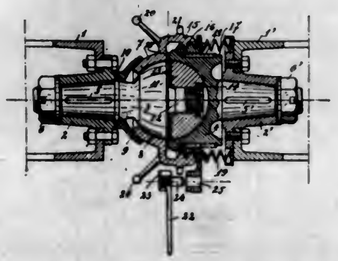
In a machine for cutting glass plate, a base, tracks carried by the base, carriages mounted to move longitudinally of the tracks, a support extended between the carriages and disposed transversely of the tracks, a glass cutter; positioning means for the glass cutter, embodying riders mounted to move along the tracks, and a calibrated rod disposed transversely of the tracks and carried by the riders; and means for mounting the glass cutter for adjustment longitudinally of the support, whereby the working position of the cutter may be determined by reference to the calibrations of the rod, when the positioning means is moved to a place adjacent to the support, the positioning means being movable to a place remote from the support, and then constituting a stop which, forming an abutment for the mounting means, limits the stroke of the cutter with respect to the glass plate to be cut.

2,202,752
VENETIAN BLIND
Charles M. Brenner, Shreveport, La.; Edith Levy Brenner, administratrix of Charles M. Brenner, deceased
Application December 22, 1938, Serial No. 247,287
3 Claims. (Cl. 156—17)



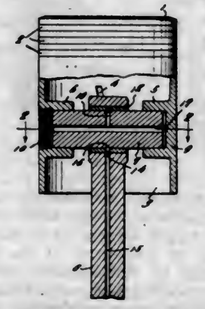
1. A Venetian blind comprising a rope and ladder tape assemblage, a plurality of slats supported by the ladder tapes, each slat having a slot cut in from at least one of its longitudinal edges, and a clip to temporarily close the entrance of the respective slot, consisting of a plate superimposed solely upon said edge and closing only the entrance to the slot and making the full length of the slot available for a rope, said plate having spring prongs extending from the lateral extremities of its top and bottom margins to grip the sides of the slat at places outside the lateral boundary of the slot.

2,202,753
COUPLING APPARATUS FOR VEHICLES
Ettore Bugatti, Molsheim, France
Application November 22, 1937, Serial No. 175,968
In France November 25, 1936
13 Claims. (Cl. 213—75)



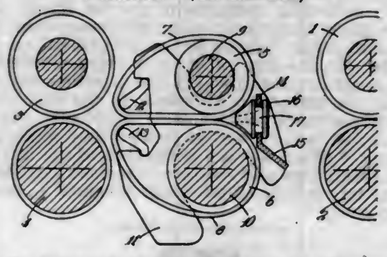
1. A semi-automatic coupling device for assembling two vehicles together, which comprises, in combination, a part of a spherical socket carried by one of said vehicles, a spherical ball carried by the other vehicle adapted to fit in said socket so as to cooperate therewith, another part of said spherical socket fitted on said ball and slidable in all directions thereon, said second socket part being adapted to complete the first mentioned socket part by assembling therewith along a plane at right angles to the longitudinal axis of the first mentioned vehicle, whereby said ball is surrounded by these two socket parts assembled together, a member carried slidably in the axial direction by one of said socket parts but angularly fixed with respect thereto, and cooperating fixation means carried by said member and the other socket part respectively for detachably securing said socket parts together, said fixation means being operative by rotation of the said second mentioned socket part with respect to the other socket part.

2,202,754
PISTON
Fred W. Caddy, Hibbing, Minn., assignor of twenty-five and one-half per cent to William R. Spensley and twenty-five and one-half per cent to Andrew G. Anderson, both of Hibbing, Minn.
Application October 3, 1938, Serial No. 233,120
1 Claim. (Cl. 309—19)



A piston comprising a split skirt, aligned bearings in said skirt, an integral closure at the outer end of one of the bearings, a removable closure plug threadedly mounted in the outer end portion of the other of said bearings, a connecting rod having an oil passage therein, said connecting rod comprising an eye on one end, a bushing mounted in said eye, said bushing having an annular groove in its inner periphery and further having an opening therein establishing communication between the groove and the passage in the connecting rod, and a wrist pin mounted in the bushing and having its end portions journalled in the bearings, said wrist pin having a circumferentially extending groove at an intermediate point communicating with the groove in the bushing, said wrist pin further having a longitudinal oil passage extending therethrough from end to end thereof and communicating with the bearings, said piston still further having a radial port therein establishing communication between the groove and the passage in said wrist pin.

2,202,755
MECHANISM FOR DRAWING TEXTILE ROVINGS
Fernando Casablancas, Manchester, England, assignor to Casablancas High Draft Co., Ltd., Salford, Manchester, England, a British company
Application July 13, 1938, Serial No. 219,084
In France January 20, 1938
7 Claims. (Cl. 19—131)



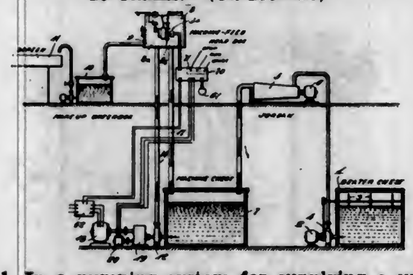
1. In a mechanism for drawing textile rovings the combination of a pair of rollers, a cradle associated with the said rollers, a belt for at least one of the said rollers passing round the same and guided laterally by the said cradle, and a device for reducing the cross section of the roving, said device being slidably supported by the cradle at the back of the rollers and being free to move laterally in a direction transverse to the path of the roving.

2,202,756
FLUID HEATER
Sherrill Cline, Miami, Fla.
Application June 22, 1939, Serial No. 280,626
3 Claims. (Cl. 126—271)



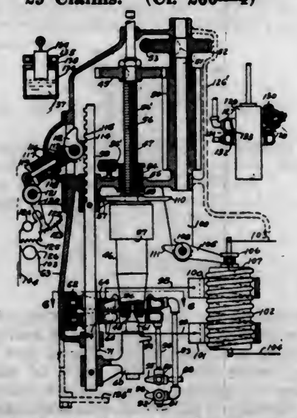
1. A heating unit for a water heater of the direct radiation type comprising a flat receptacle insulated on the bottom and open at the top, said unit consisting of a sheet of metal of high heat conductivity, and a continuous metal pipe of high heat conductivity arranged thereon, said pipe having a flat side of substantial width soldered to said sheet, the opposite side of said pipe having two parallel portions convex outwardly connected by an indented middle portion to provide maximum wall areas for receiving radiation from a source opposite said open top.

2,202,757
APPARATUS FOR USE IN THE MANUFACTURE OF PAPER
Karl Dammann, Trenton, N. J.
Application February 15, 1938, Serial No. 190,651
10 Claims. (Cl. 103—26)



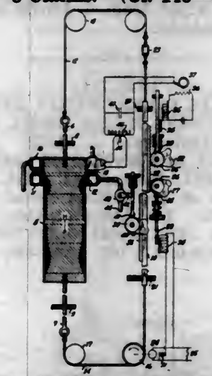
1. In a pumping system for supplying a uniform demand of pulp stock, a centrifugal pump, a head box having a partition for dividing said box into a head chamber connected with the discharge side of said pump and an overflow chamber connected with the intake side of said pump, a movable gate section forming an upward extension of said partition between said chambers, and means controlled by changes in the level of stock in said head chamber due to changes in the rate of delivery of stock caused by changes in the consistency and freeness of the pulp stock which affect the capacity of said pump for varying the position of said movable gate section for regulating the rate of overflow of stock thereover in accordance with variation in the head of stock on the discharge side of said pump resulting from said variations in the characteristics of the pulp stock.

2,202,758
APPARATUS FOR PROGRESSIVE HEAT TREATMENT
Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application September 24, 1934, Serial No. 745,194
Renewed November 9, 1938
29 Claims. (Cl. 266—4)



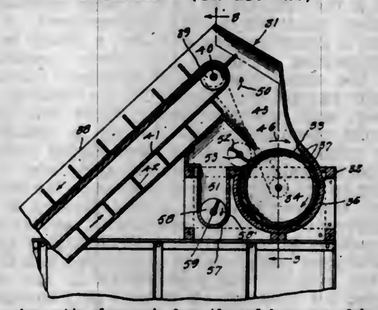
1. In a device for heat treating, a substantially annular current conductor serving as a heating element, the heating element embracing a part of an article to be heat treated, quenching means within said heating element, a second heating element, means for causing relative movement progressively between the aforesaid article and said heating elements during a heating interval, and cam means extending axially through a part of each heater for progressively changing the form of the heater.

2,202,759
HEAT TREATMENT OF SHAFTS AND THE LIKE
Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application December 14, 1935, Serial No. 54,388
8 Claims. (Cl. 148—10)



1. In apparatus for surface hardening an article of the class described, a circumferentially extending inductor, means for supplying high frequency current to said inductor, means for moving the article longitudinally relative to the inductor and in proximity with the inductor, and means for controlling heating in a surface zone of the article, said last named means comprising cam means for varying the density of the inducing current and means for varying the rate of movement of the article, the last named means being controlled by a change in position of the article.

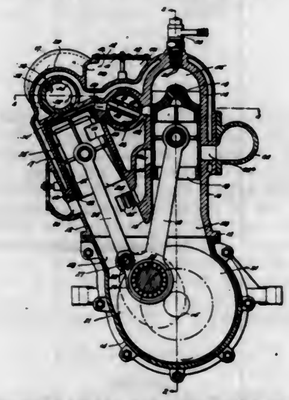
2,202,760
CLOVER AND ALFALFA HULLING ATTACHMENT FOR THRESHING MACHINES AND COMBINES
Herman Fank, Alden, Iowa
Application January 19, 1939, Serial No. 251,789
3 Claims. (Cl. 130—27)



1. An attachment for threshing machines or combines comprising a casing having a base adapted to be removably secured to the top of a

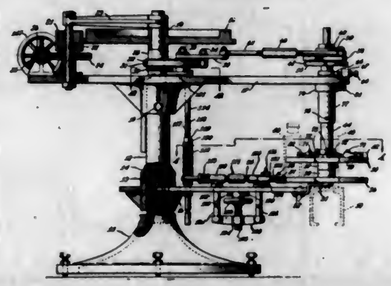
threshing machine or combine, said casing including a concave portion mounted in said base, a drum rotatably mounted in the concave portion and partially enclosed thereby, an inclined passage, forming a part of said casing, having one end communicating with the tailing auger of the thresher or combine and its opposite end opening above said concave portion, an endless conveyor movable in said passage, a trough formed in said casing along one side of said concave portion and provided with a screw conveyor, a chute connecting with one end of the trough and having an outlet and opening into the thresher or combine, a wiper journaled in said casing, between the concave portion and trough for wiping the periphery of said drum, and power take off means for driving the drum, endless conveyor or screw conveyor, and wiper from a driven shaft of the thresher or combine.

2,202,761
INTERNAL COMBUSTION ENGINE
Max George Fiedler, Media, Pa.
Application September 7, 1938, Serial No. 228,874, which is a division of application Serial No. 188,017, January 31, 1938, which is a continuation of application Serial No. 34,134, July 31, 1935. Divided and this application December 23, 1938, Serial No. 247,508
7 Claims. (Cl. 123—69)



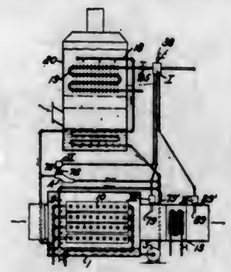
1. An engine comprising a crank shaft, a main working cylinder, a main piston mounted in the main cylinder and operatively associated with the crank shaft, said piston positioned when at the end of its compression stroke in relation with the head of the cylinder to form a large combustion chamber relatively to the displacement of the piston, a supercharging cylinder, a piston in the supercharging cylinder operatively associated with the crank shaft, said cylinders having a transfer passageway connecting the working ends thereof, said supercharging cylinder having an air inlet opening formed therein, a cylindrical valve mounted upon the supercharging cylinder for closing said inlet opening, said inlet valve having an inlet passageway opened to the atmosphere, said valve having a port formed in the cylindrical wall thereof adapted to register with the opening formed in the supercharging cylinder when the valve is rotated, a curved wall forming the end of said passageway in the valve adapted for directing air to said port formed in the cylindrical wall of the valve, and means operatively associated with the crank shaft for rotating said valve.

2,202,762
PACKAGE NUMBERING OR LETTERING MACHINE
William N. Freed, Richlandtown, Pa.
Application October 31, 1938, Serial No. 238,021
6 Claims. (Cl. 101—44)



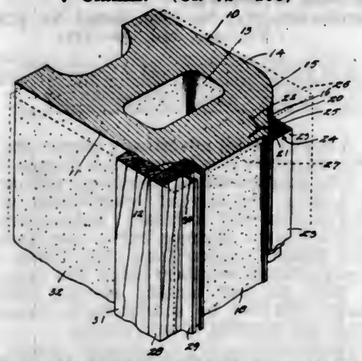
1. Container branding apparatus comprising the combination of an upright pedestal, superposed frame plates projecting laterally from the pedestal, means adjustably mounting the upper frame plate relatively to the lower frame plate to accommodate the device to operate on various heights of containers, a step-actuated star wheel carried by the lower plate adapted to dispose a container on the lower plate, vertically adjustable stamping means carried by the lower plate adapted to impinge against the sides of the containers, means to vertically adjust said stamping means and means for reciprocating the stamping means alternately with each step-actuation of the star wheel, said means being constructed and arranged to permit adjustment of the stamping means.

2,202,763
CONTROL FOR AIR CONDITIONING APPARATUS
Francis K. Green, Rahway, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application July 30, 1938, Serial No. 222,293
13 Claims. (Cl. 236—44)



8. A method for the determination of the relative humidity of a stream of air in contact with a hygroscopic solution and having a wet bulb temperature below the freezing point of water which comprises determining the relative humidity of a second stream of air which has been brought into substantial aqueous vapor pressure equilibrium with said hygroscopic solution at a temperature such that the wet bulb temperature of the second stream of air is above the freezing point of water.

2,202,764
CONCRETE BUILDING BLOCK
Harley D. Gustine, Fort Lauderdale, Fla.
Application April 17, 1939, Serial No. 268,434
7 Claims. (Cl. 72—105)

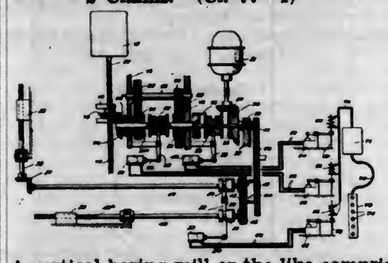


1. In building construction a non-metallic wall block having an outer side face formed with an inset forward portion and an outer end face formed with a portion inset with respect to the outer part of said forward portion, a soft metal strip positioned against said forward portion, and means for anchoring the strip and block together.

2,202,765
BONDING ADHESIVE FOR AN ABRASIVE ARTICLE SUCH AS SANDPAPER
Durward Ogden Guth, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Minnesota
No Drawing. Application September 11, 1930, Serial No. 481,351
20 Claims. (Cl. 260—29)

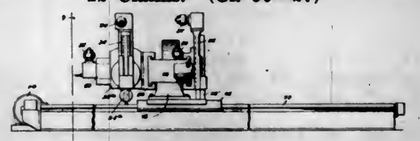
1. A flexible adhesive coating material composition for coating and penetrating a fibrous base material in the nature of paper, cloth or the like for a grit or layer of abrasive particles to form therewith an article in the nature of flexible waterproof sandpaper having low gumming and clogging characteristics during abrading operations, the said adhesive comprising a resinified condensation product of a polyhydric compound and an aromatic acid and a flexibilizing and gelatinizing compound.

2,202,766
CONTROL MECHANISM FOR BORING MILLS AND THE LIKE
Alfred Trosch, Rochester, N. Y., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of New York
Application November 30, 1938, Serial No. 243,263
2 Claims. (Cl. 77—4)



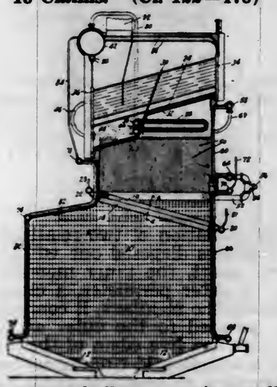
1. A vertical boring mill or the like comprising a vertically movable ram, a horizontally movable head on which the ram is mounted, change speed connections for operating said ram and head, a separate rapid traverse connection for also operating the same, clutch devices for selectively operating either the head or the ram and at a selective rate of speed, and electrically controlled means for operating said clutch devices embodying a portable contact panel equipped with manual means for controlling all of said clutch devices to effect a desired speed or a rapid traverse of either the horizontal head or the vertical ram at will, and also embodying a series of solenoids connected with the panel with a fluid control valve operated by each solenoid, and with fluid pressure cylinders connected to operate the respective clutch device and with said cylinders each connected to one of said fluid control valves.

2,202,767
PLANER
Alfred Trosch, Rochester, N. Y., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of New York
Application August 3, 1939, Serial No. 288,238
12 Claims. (Cl. 90—27)



1. A planer comprising a cross-rail mounted at its opposite ends on run-ways, with means for moving the same along said run-ways, adapted to have means mounted thereon for planing a work piece by such cross-rail movement, and means borne by the cross-rail mounted for movement transversely outward therefrom for planing an end of the work piece by an operative movement along the cross-rail transversely of the run-ways.

2,202,768
FLUID HEAT EXCHANGE APPARATUS
Ervin G. Bailey, Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application July 10, 1934, Serial No. 734,455
Renewed August 28, 1937
18 Claims. (Cl. 122—478)



1. In a steam boiler, a water wall furnace, means for burning fuel in the furnace with com-

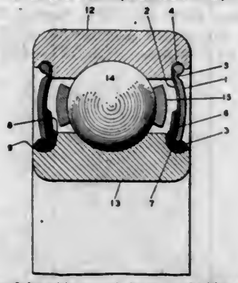
bustion particles in suspension, a superheater composed of upright tubes adjacent a wall of the boiler, water tubes extending across the path of furnace gases passing to the superheater form a screen, a bank of steam generating tubes beyond the superheater with reference to gas flow, and a convection superheated positioned between the first superheated and the generating tubes.

2,202,769
SEAL FOR ENCLOSED BEARINGS
Eric C. Brodin, Jenkintown, Pa., assignor to S K F Industries, Inc., Philadelphia, Pa., a corporation of Delaware
Application December 3, 1938, Serial No. 243,705
2 Claims. (Cl. 286—5)



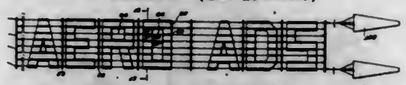
1. The combination with an outer member having a circular opening, an inner circular member, a plate having a circular opening surrounding the inner member and secured to the outer member, and a felt piece within the opening and extending outwardly a short distance on each side and secured to the wall of the opening and the sides of the plate adjacent thereto.

2,202,770
SEAL FOR ENCLOSED BEARINGS
Eric C. Brodin, Jenkintown, Pa., assignor to S K F Industries, Inc., Philadelphia, Pa., a corporation of Delaware
Application May 4, 1939, Serial No. 271,662
4 Claims. (Cl. 286—5)



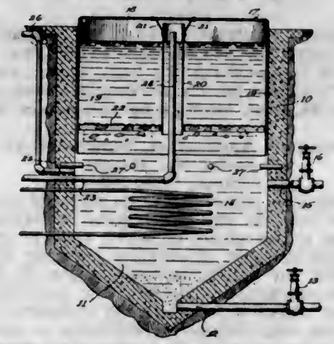
1. The combination of two relatively rotatable circular members disposed one within the other and spaced apart, the inner member having a groove in its outer perimeter, a closure for the space between the members, it comprising a pair of plates fastened to the outer of them, there being between the free edges of the plates a ring of flexible material, said ring extending inwardly beyond the edges of the plates and being wrapped within the groove of the inner member over the edge of one of them.

2,202,771
AERIAL BANNER
Mark S. Du Pont, Darby, Pa., assignor to Kellett Autogiro Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 26, 1933, Serial No. 673,083
7 Claims. (Cl. 40—127)



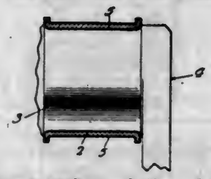
7. A towed aerial advertising banner including a series of letters or other symbols formed of suitable thin textile webbing, relatively stiff spreader bars and a plurality of longitudinal stringer members fastened to said letters generally throughout their common extent and under relatively greater tension than that of the letters and said stringer members being also fastened to said bars, so that tension exerted upon said stringers will not be substantially transmitted through the webbing of said letters.

2,202,772
DIGESTER
Augustus C. Durdin, Jr., Chicago, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois
Application November 29, 1937, Serial No. 177,082
8 Claims. (Cl. 210—2)



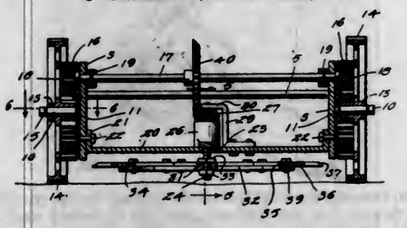
1. A digester comprising a basin, an inverted gas bell adapted to float in the upper part of said basin, and a foraminous wall mounted on, and extending across said bell adapted normally to be submerged in the liquid therein, said wall being adapted to maintain normal sludge solids submerged.

2,202,773
BEARING MEMBER
Fred H. Given, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana
Application September 14, 1938, Serial No. 229,890
6 Claims. (Cl. 308—241)



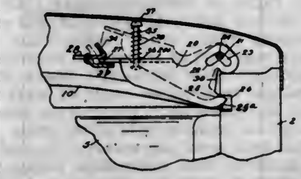
1. A bearing member of the class described formed of ferrous metal and provided with a bearing coating comprising a film of hard, granular, ferroso-ferric oxide having intimate union with the metal.

2,202,774
MOWER
Thomas B. Harwell, Henryetta, Okla.
Application February 2, 1939, Serial No. 254,289
3 Claims. (Cl. 56—255)



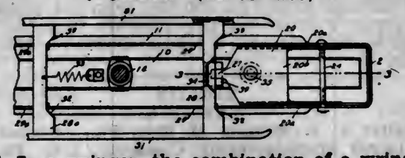
1. A mower, comprising a frame including two spaced vertical side plates, a horizontal plate secured between said side plates at the lower edges thereof, tie rods coupling the side plates, a wheel pivotally supported upon the outer side of each plate, a vertical shaft extending through and rotatably supported by said horizontal plate, an annular cutting reel secured to the vertical shaft beneath the horizontal plate for rotation in a horizontal plane, means for transmitting rotary power from said wheels to said vertical shaft, means whereby the movement of the mower over the ground may be facilitated, said cutter reel comprising a wheel having a rim portion, and a series of cutter units removably secured to the rim portion and each consisting of an arcuate plate in end abutting relation to other plates and having formed integrally therewith a pair of substantially triangular tangentially directed blades each having a cutting edge.

2,202,775
RELEASE DEVICE FOR WRINGERS
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 17, 1937, Serial No. 131,333
14 Claims. (Cl. 68—263)



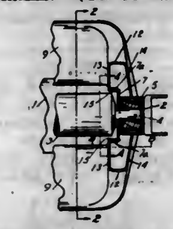
1. In a wringer, the combination of a frame comprising a rigid top bar; rolls mounted in the frame; pressure means for the rolls exerting pressure from the top bar; means securing the top bar to and releasing it from the frame at an end of the top bar comprising an unstable latch member latching the end of the top bar to the frame; a mounting connecting the latch to the top bar; a trip member retaining the latch member in set position; a mounting on the top bar for the trip member; and an operating member actuating the trip member, the mountings, latch, and trip members being related to automatically provide for the resetting of the latch member as the top bar is moved to set position.

2,202,776
RELEASE DEVICE FOR WRINGERS
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 17, 1937, Serial No. 131,334
7 Claims. (Cl. 68—263)



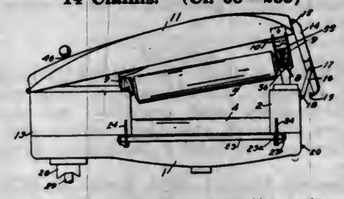
7. In a wringer, the combination of a wringer frame; rolls mounted in the frame; a releasable top on the frame; a pressure means exerting pressure from the top to the rolls; a release device for the means comprising a trip member effecting a release by a movement thereof endwise of the wringer and including a plurality of longitudinally spaced slides mounted in the top having cams moving the member endwise of the wringer with a movement of the slide crosswise of the wringer.

2,202,777
WRINGER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 17, 1937, Serial No. 131,337
9 Claims. (Cl. 68—271)



8. In a wringer, the combination of a frame comprising a base and side stiles; a water board having side walls each formed of a fold of metal comprising outer and inner faces; and interlocking means between the edge of one face of each wall and the frame, said means being behind the wall when the water board is in place.

2,202,778
WRINGER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 17, 1937, Serial No. 131,338
14 Claims. (Cl. 68—253)



1. In a wringer the combination of a wringer frame comprising a base and side stiles; rolls mounted in the frame; a drive shaft driving one of the rolls; a gear mechanism at the end of the

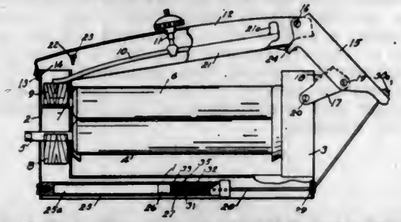
wringer driving the shaft; a gear case for the mechanism; said case extending endwise from the wringer frame, a top bar pivotally secured to the case to swing on an axis extending horizontally and crosswise of the frame, the pivot being spaced in an endwise direction from the wringer frame, said top bar covering the major portion of the case extending endwise from the wringer; a pressure device exerting pressure from the top bar to the rolls; and a release device for the top bar.

2,202,779

WRINGER

Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application March 17, 1937, Serial No. 131,340
10 Claims. (Cl. 68—263)



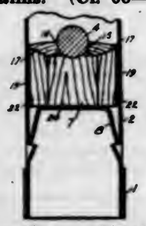
1. In a wringer, the combination of a frame; rolls mounted in the frame; pressure means having parts exerting pressure on the rolls; a safety release device releasing the pressure on the pressure means; means exerting acceleratively imposed resistance yieldingly retarding the released movement of the parts.

2,202,780

BEARING FOR WRINGERS AND THE LIKE

Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application March 17, 1937, Serial No. 131,341
9 Claims. (Cl. 68—269)



8. In a wringer, the combination with a frame and a wringer roll having a shaft, of a bearing block in the frame having a bearing groove in its upper face receiving the shaft in bearing contact, the top of the block having surfaces inclined from the edges at both sides of the groove and downwardly and outwardly to carry water from the shaft.

2,202,781

STEERING WHEEL INSTRUMENT PANEL

John F. Kennedy, East Cleveland, Ohio, assignor of thirty-three and one-third per cent to Frances Minardi and thirty-three and one-third per cent to John F. Buluckian, Cleveland, Ohio

Application May 11, 1939, Serial No. 273,148
5 Claims. (Cl. 180—78)

1. In a combination of the class described, a rotatable steering column, an enlarged torque-carrying outer drum mounted on said column, a steering wheel mounted on said outer drum, a fixed tube located within said column, an inner drum mounted on said tube and located within said outer drum, a control-supporting member extending across a portion of said inner drum and secured thereto, a resiliently mounted horn button assembly extending over and closing off



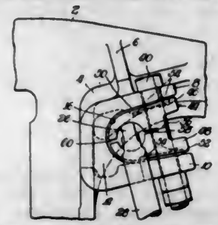
the remaining portion of the inner drum included between the control-supporting member and the rim of the inner drum, said control-supporting member and said horn button assembly being located substantially within the plane defined by said steering wheel, and an instrument assembly secured to said inner drum and axially spaced below said horn button assembly and said control-supporting member.

2,202,782

BRAKE HANGER BRACKET

David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application October 29, 1938, Serial No. 237,604
14 Claims. (Cl. 188—209)



1. In a brake hanger bracket, a jaw-like structure having flaring top and bottom walls and lateral walls the front edges of which are arcuate in form, a two-piece wear plate positioned within said jaw, said pieces having engagement adjacent their outer edges and being spaced apart rearwardly thereof to accommodate the top member of a loop-type brake hanger, resilient means secured to each of said pieces and serving to space each piece from the adjacent wall and to position said piece with respect to said wall, and securing means for said parts in the form of a bolt extending through said walls and aligned slots in said pieces, said resilient means being compressed between said top and bottom walls on assembly of said parts thereby urging said pieces into engagement with each other and into engagement with said top member and serving to retain all of said parts in close cooperation with each other.

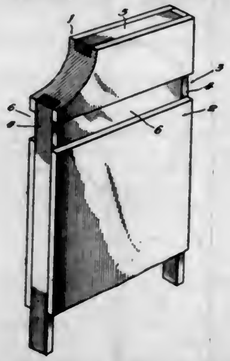
2,202,783

WALL STRUCTURE

Jacque C. Morrell, Oak Park, Ill.

Application January 4, 1937, Serial No. 118,965
16 Claims. (Cl. 20—4)

1. A building structure comprising a plurality of prefabricated load bearing panel units forming a bearing wall of a building, said units having vertical building frame members joined in spaced relationship by transverse members and a panel of solid construction formed of non-load bearing material carried by and extending between said vertical frame members, said panel units being positioned in said wall and fastened together



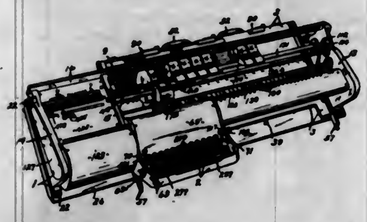
externally of said panel units with the vertical frame members of adjacent panels in abutting relationship so that abutting vertical frame members of adjacent panels form a load bearing stud in the plane of said wall and means for covering the abutting vertical frame members.

2,202,784

ACCOUNTING MACHINE

Ernest C. Olney, Syracuse, N. Y., assignor to E. C. Olney & Company, Inc., Syracuse, N. Y., a corporation of New York

Application August 15, 1935, Serial No. 36,351
31 Claims. (Cl. 235—59)



1. In a machine of the class described, a printing unit including a rotor carrying character, alphabet and numeral type adapted to be selectively brought to a predetermined printing station by an appropriate rotation of said rotor, means for translating said printing unit longitudinally of the machine into and out of predetermined writing and computing zones at the will of the operator, gear teeth mounted on said rotor in definite relation to said numeral type, a totalizer located in said computing zone, a master gear carried by said printing unit and adapted to operate said totalizer when brought into cooperative relation therewith by translation of said printing unit, means for bringing said rotor gear teeth into cooperative relation with said master gear when said printing unit is in said computing zone, and means operable when said printing unit is in said computing zone for turning said rotor through a predetermined angle of rotation so as simultaneously to bring a selected one of said numeral type to said printing station and to produce a predetermined rotation of said master gear, thereby entering said number into the totalizer.

2,202,785

PROCESS FOR CONCURRENT FERMENTATIONS BY MEANS OF YEAST AND BUTYL ALCOHOL, PRODUCING BACTERIA

Hugh R. Stiles and Louis M. Pruess, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application November 30, 1936, Serial No. 113,464
4 Claims. (Cl. 195—13)

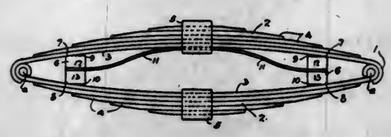
4. In a process for the concurrent fermentation of molasses mashes prepared from molasses of approximately 75% sugar content by yeast, and by butyl alcohol producing bacteria of the essentially sugar fermenting type, the improvement which comprises incorporating in the mash for the butyl alcohol fermentation, distillation slop from the ethyl alcohol fermentation and incorporating in the mash for the ethyl alcohol fermentation, distillation slop from the butyl alcohol fermentation, and repeating said process through subsequent stages of the concurrent fermentations utilizing in each case distillation slop from the preceding stage to effect "criss-cross slopping back," said process being repeated for a number of cycles, less than that producing an inhibitory effect upon the fermentations.

2,202,786

ELLIPTIC SPRING

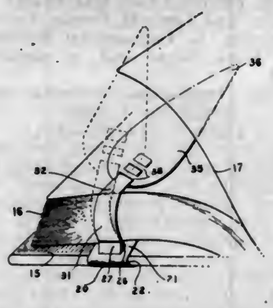
Theodore R. Weber, Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application May 11, 1939, Serial No. 272,938
4 Claims. (Cl. 267—30)



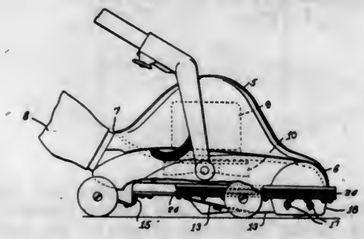
4. A full elliptic spring comprising two oppositely disposed sections, each section including a stack of spring leaves and means at the central portion thereof holding said leaves tightly together, said sections having their main leaves innermost and being spaced apart from their ends throughout their lengths, said spring having a maximum effective spring length to provide maximum spring flexibility and a minimum effective spring length to provide maximum spring stiffness thereby increasing the load supporting capacity of said spring, said innermost leaves being connected together at their adjacent ends to provide spring end pivots for said maximum effective spring length; and two resilient blocks secured in said space substantially against bodily movement and being disposed one at each side of and in longitudinal spaced relation to said central portions, each block being in line with a plurality of leaves of each of said sections and spaced from the end pivot adjacent thereto and disposed opposite said main leaves and operably engageable therewith, each of said blocks being thereby gradually compressed under increasing loads within predetermined limits thereby cooperating with each other to serve as pivots for said minimum effective spring length.

2,202,787
BOOKMARK
George V. Zumft, Stony Brook, N. Y., assignor, by direct and mesne assignments, to The X-Sellent Novelty Company, New York, N. Y.
Application March 9, 1938, Serial No. 194,744
2 Claims. (Cl. 116—119)



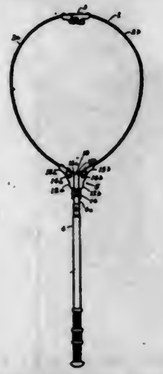
1. A bookmark comprising a resilient marker, a flexible mount, a connection between said marker and mount, a spring clamp to engage the cover of a book, said mount slidably engaged by said clamp, and a reenforcement for said mount integral with said clamp.

2,202,788
VACUUM CLEANER
George W. Allen, Boston, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application October 11, 1938, Serial No. 234,391
1 Claim. (Cl. 15—16)



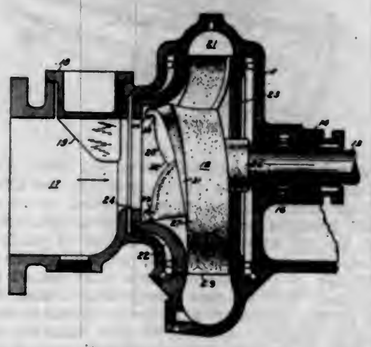
In a vacuum cleaner having a blower wheel, a lower housing having substantially horizontal flanged walls extending below said wheel, a suction nozzle including a rearwardly extending plate having a central portion having a large area extending underneath said wheel and having upper flanged walls parallel to said walls of said housing, a nozzle cover having flanged lower walls extending substantially parallel to and normally spaced from the upper walls of said nozzle, a flexible diaphragm extending completely around said nozzle and extending between and attached to said flanged walls, the walls of said nozzle, said cover, said housing and said diaphragm forming an air passage connecting with said wheel, said diaphragm permitting said nozzle to be moved towards said cover in response to suction on said nozzle walls, said housing having a large lower opening between said first mentioned flanged walls, extending above said plate whereby said plate provides a relatively large area for positive actuation under a small pressure differential, and means pivoting the rear portion of said plate to said housing.

2,202,789
FOLDING NET
George O. Benson, Niagara Falls, N. Y., assignor to Chisholm-Ryder Co., Inc., Niagara Falls, N. Y., a corporation of New York
Application March 10, 1939, Serial No. 261,022
6 Claims. (Cl. 43—12)



1. A folding net comprising a handle having two parallel sides at one end, a hinge member rotatably attached to each of said parallel sides, a channel member hingedly attached to each of said hinge members, a loop attached at its ends to said channel members, and a detent engageable with the hinge members which are rotatably attached to the handle.

2,202,790
WASTE PAPER STOCK PUMP
Frank R. Forrest, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 23, 1938, Serial No. 191,879
12 Claims. (Cl. 103—115)

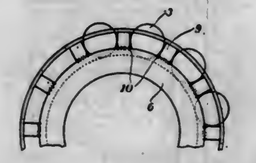


8. In a rotary hydraulic machine for conducting a fluid stream containing filamentary material, a runner comprising a vane having an inlet edge and an outer edge, the inlet edge being convex adjacent the inner end and concave adjacent the outer end thereof and forming a stop extending from the outer end thereof for collecting filamentary material impinging on the inlet edge and for releasing the collected filamentary material into the fluid stream at a point removed from the outer edge.

2,202,791
REACTION OF HYDROCARBON COMPOUNDS WITH GASEOUS CHLORINE AND SULPHUR DIOXIDE
Arthur L. Fox, Woodstown, N. J., Clyde O. Henke and William H. Lockwood, Wilmington, Del., and John M. Tinker, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1938, Serial No. 216,838
17 Claims. (Cl. 260—513)

1. A process which comprises reacting an organic compound containing a hydrocarbon radical of at least 8 carbon atoms with a gaseous mixture containing from 1.5 mols to 20 mols of sulphur dioxide to 1 mol of chlorine.

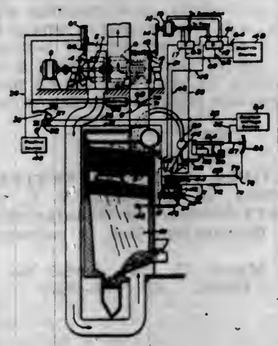
2,202,792
METHOD OF MAKING CAGES FOR ROLLER BEARINGS
Karl Evald Andreas Göthberg, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabricken, Goteborg, Sweden, a corporation of Sweden
Application June 11, 1937, Serial No. 147,623
In Germany September 18, 1936
2 Claims. (Cl. 29—148.4)



1. The method of manufacturing and assembling roller bearings having roller cages which consists of forming a substantially cylindrical cage blank of a diameter greater than the pitch diameter of the set of rollers, forming a series of roller pockets disposed around the circumference thereof and a series of tongues therebetween of a width along their middle portions not greater than the least distance between the rollers, forming bending indications in the portions of the blank between the roller pockets, then locating the blank concentrically with respect to one of the bearing rings, then introducing the rollers into the roller pockets, and then causing the portions of the cage between the roller pockets to develope inwardly along substantially radial lines past the part of the rollers at which the rollers are nearest each other by applying pressure to the ends of the cage.

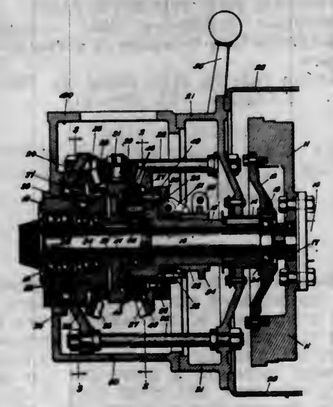
2,202,793
FAN SYSTEM
Harold F. Hagen, Wellesley, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Application April 6, 1939, Serial No. 266,324
9 Claims. (Cl. 110—162)

1. A fan system for a steam plant adapted to be operated under different loads and including a boiler having a combustion chamber adapted to receive air volumes varying conformably with said loads, comprising in combination, a forced draft fan for supplying air into said chamber, an induced draft fan for drawing the air with the products of combustion through said plant, the wheels of said fans being mounted on a common shaft, said fans cooperating to overcome the resistance of said plant for moving variable volumes of air therethrough, the suction supplied to said plant from said induced draft fan decreasing more in proportion than the pressures applied by said forced draft fan for decreasing plant loads, means including spin inducing vanes in the inlet of said forced draft fan for varying the



pressure provided thereby for varying the volume of air supplied into said chamber, means responsive to a change in the plant load for actuating said last mentioned means, volume control means in the inlet to said induced draft fan, and means including means responding conformably to changes in suction in said chamber for adjusting said volume control means to provide the suction required of said induced draft fan by said plant by said change in load.

2,202,794
CHANGE-SPEED POWER TRANSMISSION GEARING
Hans A. Hanson, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 14, 1939, Serial No. 261,811
3 Claims. (Cl. 74—288)



1. In a constant drive change-speed power transmission gearing, a supporting structure; a driven shaft extending completely through and

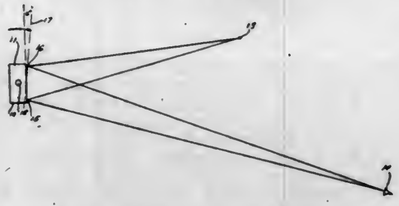
journaled in said structure; a tubular drive shaft journaled on and wholly supported by one end portion of said driven shaft; a spider rigidly carried by another portion of the driven shaft, adjacent the inner end of the drive shaft; a pair of bevel gears disposed one to either side of said spider, one of said gears being rigidly carried by said tubular drive shaft and the second gear being journaled on the driven shaft adjacent the spider; a plurality of bevel pinions mounted radially upon said spider, each meshing with both of said gears; a friction clutch arranged to make and break a driving connection between said spider and one of said gears; and a one-way brake interposed between the second mentioned gear and a portion of the supporting structure.

2,202,795

MULTIPLE SCANNING SYSTEM

Robert Harding, Jr., Elmsford, N. Y., assignor to National Television and Manufacturing Corporation, Wilmington, Del., a corporation of Delaware

Application March 12, 1934, Serial No. 715,054
1 Claim. (Cl. 178—7.6)



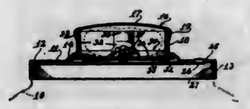
A television apparatus comprising a mirror drum having a plurality of stacked elongated rectangular plates each of said plates having its long sides polished to form reflecting surfaces and its ends treated so as to prevent reflection of light, said plates being spaced around the axis of said drum with equal angular spacing so as to form a helix which passes one and one-half times around said drum.

2,202,796

COVER FOR TOBACCO JARS

Louis . Hermani, Baltimore, Md., assignor to Owens-Illinois Can Company, a corporation of Delaware

Application July 30, 1938, Serial No. 222,235
2 Claims. (Cl. 299—24)



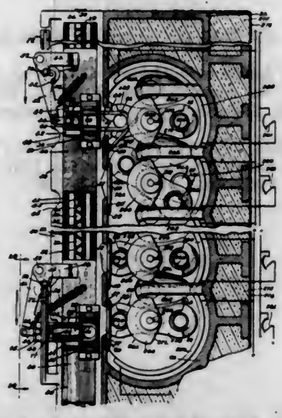
1. A loose cover for containers comprising a circular top provided with a central raised portion, the medial part of said raised portion being cut away to provide a central opening surrounded by a marginal inwardly extending rim, a hub-like enlargement including a dome-like top and a depending side wall, the lower edge of the side wall being flanged over said inwardly extending rim, said side wall being substantially cylindrical and having its upper region flared outwardly to provide an internal annular channel in the enlargement, and a register for the lower end of the enlargement including a substantially circular disk having a series of axially extending divergent fingers formed thereon, said fingers having their medial portion disposed in frictional engagement with the medial portion of the side wall of the enlargement and having their extremities extending outwardly into said annular channel, and a rotary cut-off disk secured to said circular disk.

2,202,797

METHOD OF AND APPARATUS FOR CURING AND MOLDING SYNTHETIC OR NATURAL RESINS

John Ralph Hoge and Leonard D. Soubier, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application March 2, 1936, Serial No. 66,674
33 Claims. (Cl. 18—5)



31. An apparatus for molding articles from synthetic resins or like moldable materials by the application of heat and pressure comprising in combination a frame, a series of fixed molding heads supported thereon, each head including a mold, each mold having one or more mold cavities, a container for the moldable material, means for repeatedly and continuously moving said container past said heads in succession, and means for successively transferring measured charges of said material from said container to the cavity or cavities of the respective mold of each head as said container passes said heads.

2,202,798

RECEPTACLE AND SUPPORT THEREFOR

William R. House, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application July 29, 1939, Serial No. 287,386
5 Claims. (Cl. 47—11)



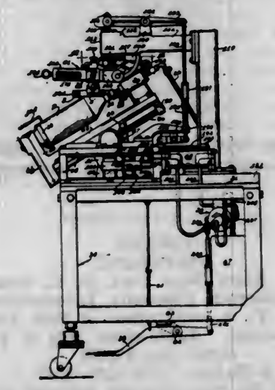
1. In combination, a bucket-like receptacle having an open upper end, an outstanding rib at said upper end forming a downwardly facing shoulder about the periphery of the receptacle, said rib having a pair of diametrically opposed radial recesses in its outer face, and a support for the receptacle including a semi-circular element positioned in engagement with said shoulder and fingers at the ends of said element projecting into the recesses.

2,202,799

STENCILING APPARATUS

Albert S. Jackson and Clarence A. Heyne, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application December 7, 1938, Serial No. 244,430
13 Claims. (Cl. 101—124)



3. In an apparatus for decorating the curved surfaces of articles by a stenciling process, a horizontally reciprocable stencil screen, a horizontally disposed squeegee support positioned above the screen, a clamp mounted for axial adjustment on the horizontal support, there being a vertical guideway in the clamp, a squeegee holder disposed in the guideway and vertically movable therein, means for adjusting the position of the holder in the guideway, said holder having a bifurcated lower end, a retractable pin projecting through one of the furcations of said lower end and engaging the other furcation thereof and bridging the furcations, a squeegee pivotally suspended from the pin, and spring means normally maintaining the pin in position against dislodgment.

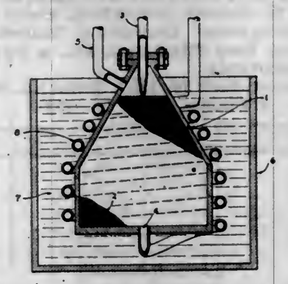
10. In an apparatus for decorating the tapered shoulder portions of bottles and like articles by a stenciling process, a support, a stencil screen mounted for oscillation in a horizontal plane above the support, a standard on the support beneath the screen, a tiltable cradle pivoted to the standard, means for clamping the cradle to the standard in a plurality of adjusted positions, a bottle support mounted on the cradle, a rotatable chuck on the bottle support, means for adjusting the position of the bottle support on the cradle axially of the chuck, a splined shaft rotatably mounted on the bottle support, means connecting the chuck and shaft in driving relationship, a gear slidable on the shaft, a driving gear meshing with the other gear, a reciprocable rack, a piston motor for causing reciprocation of the rack, means translating reciprocation of the rack to oscillation of the screen, and means translating reciprocation of the rack to alternate rotation of the driving gear in opposite directions.

2,202,800

PROCESS AND APPARATUS FOR VAPORIZING CORROSIVE LIQUIDS

Homer Kieweg, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

Application February 3, 1938, Serial No. 188,513
8 Claims. (Cl. 23—159)



4. In an apparatus for vaporizing a corrosive liquid by contact with hot gas, the combination of a vessel having walls corrodible by said liquid, and containing a packing of material resistant to corrosion by said liquid, means for introducing said liquid into said packing at a substantial distance from the said vessel walls, means for defining a cone to confine the path of gas flow substantially to the path of gravitational flow of said liquid through said packing means for simultaneously heating the said gas and externally heating the said vessel walls, and means for passing the hot gas through said packing.

2,202,801

HIGH VISCOSITY INDEX, HIGH VISCOSITY OIL COMPOSITIONS

Charles N. Kimberlin, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 21, 1938, Serial No. 186,079
7 Claims. (Cl. 87—9)

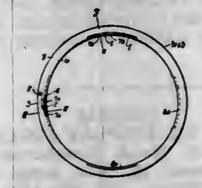
1. A high viscosity, high viscosity index oil composition comprising a polymerized high viscosity, high viscosity index oil which has been secured by subjecting sperm oil to the effect of the silent electric glow discharge and non-polymerized sperm oil.

2,202,802

PISTON RING

William S. Mason, Ocean Beach, Calif.

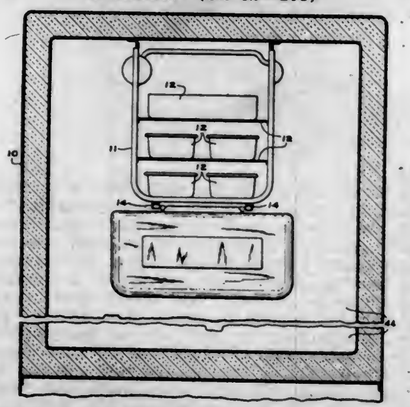
Application December 14, 1936, Serial No. 115,703
8 Claims. (Cl. 309—24)



1. In combination with an annularly grooved piston, an axially and radially expansible packing, comprising a plurality of resilient divided rings having inner and outer lands diverging from

a bent medial portion, the ends of each of said rings being provided with an annularly extending tongue, said tongues overlapping in a radial direction, contact between the adjacent sides of the tongues being in the outer land of the rings.

2,202,803
REFRIGERATION APPARATUS
Theodore W. Rundell, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1938, Serial No. 205,330
9 Claims. (Cl. 62—103)



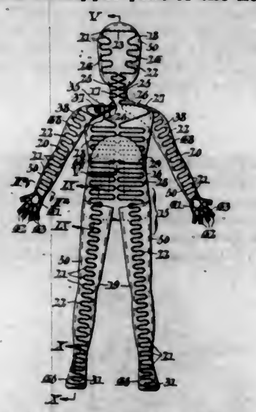
6. In a mechanical refrigerator, in combination, a cabinet defining a main food chamber maintained at non-freezing temperatures, a cooling unit therein defining a freezing zone, a metallic food container in said main food chamber, said food container having its upper portion in heat conducting relationship with said cooling unit and openings in said food container for permitting a limited circulation of air therethrough.

2,202,804
CELLULOSE ACETATE COMPOSITION
Herbert L. Wampner and Charles Bogin, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application August 14, 1937, Serial No. 159,110
3 Claims. (Cl. 134—79)

1. A method of dissolving cellulose acetate of a grade having an acetyl number below 40 to produce a clear solution which comprises contacting the cellulose acetate with a mixture of a nitroparaffin chosen from the group consisting of nitroethane, 1-nitropropane, 2-nitropropane, 1-nitrobutane, and 1-nitroisobutane, and a monohydric aliphatic alcohol containing from 1 to 4 carbon atoms.

2,202,805
DOLL OR DISPLAY FIGURE
Mildred C. Wood, Langhorne, Pa.
Application October 18, 1939, Serial No. 299,939
12 Claims. (Cl. 46—162)

1. A foundation for dolls, manikins and lay figures, made from desirably contoured sheet material to include a head and body component with relatively detached limb elements; a continuous basic reinforcement of sinuous wire medially bent to define complemental sections extending from the upper part of the head length-

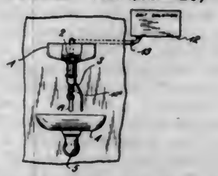


wise of the body component and limbs; and means for securing the sinuous reinforcement to one face of the foundation.

2,202,806
FILTERING
William H. Alton, New York, N. Y., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application July 6, 1936, Serial No. 89,258
6 Claims. (Cl. 210—203)

1. A new filtering medium adapted to purify and decolorize liquids by contact filtration comprising a mixture containing at least about 40% of a bleaching agent from the class consisting of activated clay, bone black and charcoal intimately admixed with and associated with at least about 40% of a finely divided contact material from the class consisting of pyrophyllite, talc, amorphous silica, fired clay, acid-treated clay and fuller's earth.

2,202,807
DRINKING FOUNTAIN
Samuel L. Aub and William B. Long, Cleveland, Ohio; said Long assignor to said Aub
Application February 6, 1939, Serial No. 254,864
3 Claims. (Cl. 299—16)

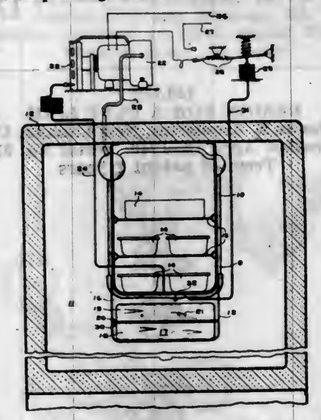


1. In a device of the class described, a liquid supply line, a reservoir of solution to be mixed with the liquid, a pipe connection constituting the only means of communication from said reservoir to said liquid supply line, separate valves for separately and exclusively controlling the flow of the liquid and solution, respectively, to a discharge nozzle, means for setting the liquid valve in either of two open positions, operative means of connection actuated by the setting of said liquid valve in only one of its open positions for simultaneously opening said solution valve

also, whereby manipulation of said valve-setting means to one open position will open only the liquid valve and thereby effect a flow of plain liquid, and the manipulation of the valve-setting means to its other open position will open both valves and thereby effect a mixture of said liquid and said solution.

2,202,808
MEAT KEEPER
George E. Hanner, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 6, 1938, Serial No. 200,366
14 Claims. (Cl. 62—1)

1. In a mechanical refrigerator, the combination of a cabinet embodying a main food storage chamber containing air, a metallic cooling unit exposed to the air in said chamber and defining a freezing zone and a substantially closed metallic food storage container adjacent to and in metallic heat conducting relationship with said cooling unit, said food storage container projecting from said cooling unit into a portion of said chamber of substantially higher temperature than said freezing zone and said metallic heat conducting relationship being such as to maintain a tempera-



ture slightly above freezing in said food storage chamber.

DESIGNS

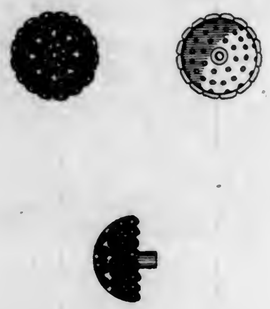
MAY 28, 1940

120,722
DESIGN FOR A CUFF LINK
Charles du B. Arcularius, New Canaan, Conn.
Application April 12, 1940, Serial No. 91,629
Term of patent 7 years



The ornamental design for a cuff link, substantially as shown.

120,723
DESIGN FOR A CAP MEMBER FOR A DETACHABLE FASTENER OR THE LIKE
Sol Birnbaum, New York, N. Y.
Application April 24, 1940, Serial No. 91,906
Term of patent 3½ years



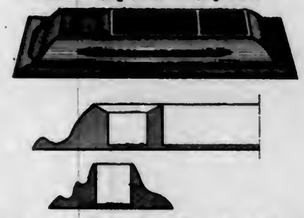
The ornamental design for a cap member for a detachable fastener or the like, substantially as shown.

120,724
DESIGN FOR A COMBINED MEMORANDUM PAD, PENCIL AND RECEPTACLE THEREFOR
Samuel Brodsky, Brooklyn, N. Y.
Application April 12, 1940, Serial No. 91,645
Term of patent 7 years



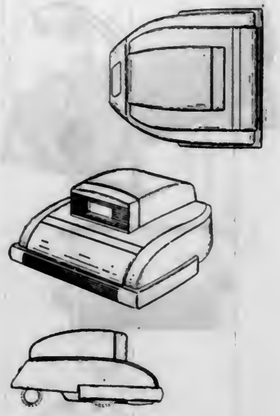
The ornamental design for a combined memorandum pad, pencil and receptacle therefor, as shown and described.

120,725
DESIGN FOR A DESK UNIT
Bert G. Cronwell, San Francisco, Calif.
Application February 26, 1940, Serial No. 90,531
Term of patent 14 years



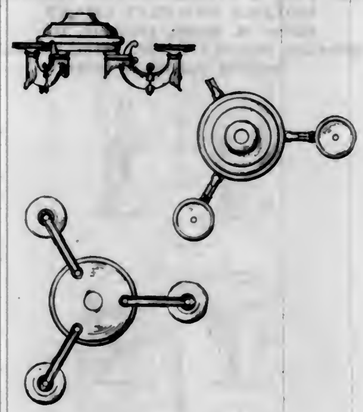
The ornamental design for a desk unit, as shown.

120,726
DESIGN FOR A CASING FOR A SUCTION CLEANER OR SIMILAR ARTICLE
Henry Dreyfuss, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 16, 1940, Serial No. 91,007
Term of patent 14 years



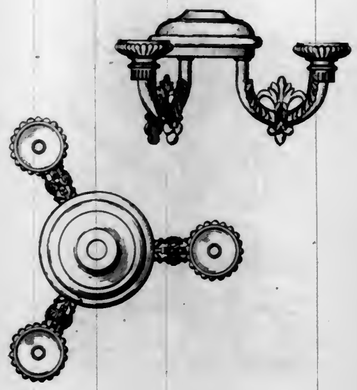
The ornamental design for a casing for a suction cleaner or similar article, as shown.

120,727
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application January 15, 1940, Serial No. 89,479
Term of patent 14 years



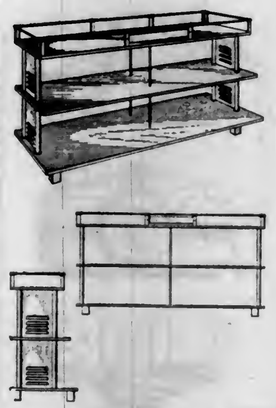
The ornamental design for a lamp head, as shown.

120,728
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application January 18, 1940, Serial No. 89,547
Term of patent 14 years



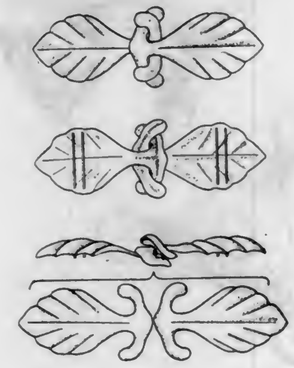
The ornamental design for a lamp head, as shown.

120,729
DESIGN FOR A DISPLAY RACK
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application February 12, 1940, Serial No. 90,216
Term of patent 7 years



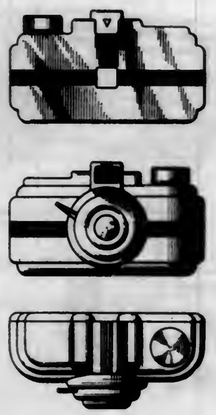
The ornamental design for a display rack, substantially as shown.

120,730
DESIGN FOR A BUCKLE
Harry Ganz, New York, N. Y.
Application April 17, 1940, Serial No. 91,726
Term of patent 3½ years



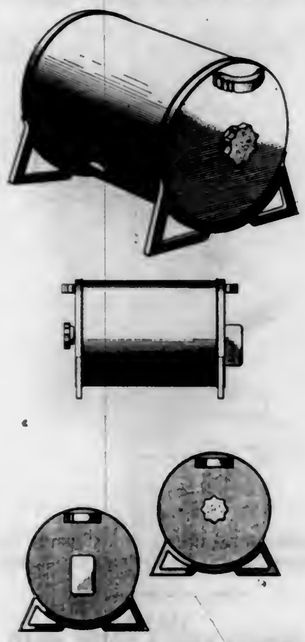
The ornamental design for a buckle, substantially as shown and described.

120,731
DESIGN FOR A CAMERA
Felix Gilbert, New York, N. Y.
Application October 11, 1939, Serial No. 87,625
Term of patent 7 years



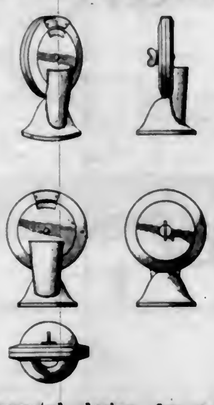
The ornamental design for a camera, as shown.

120,732
DESIGN FOR A PHOTOGRAPHIC PRINT DRIER
John J. Grabfield, Cincinnati, Ohio, assignor to General Devices Corporation, Fort Thomas, Ky., a corporation of Ohio
Application January 25, 1940, Serial No. 89,695
Term of patent 3½ years



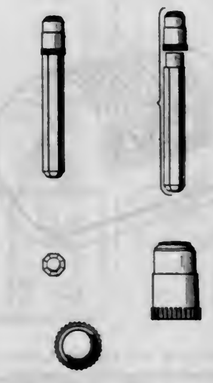
The ornamental design for a photographic print drier, substantially as shown.

120,733
DESIGN FOR A COMBINATION TOOTHPICK HOLDER AND DIET CHART
Helen M. Hebel, Decatur, Ill.
Application March 27, 1940, Serial No. 91,266
Term of patent 14 years



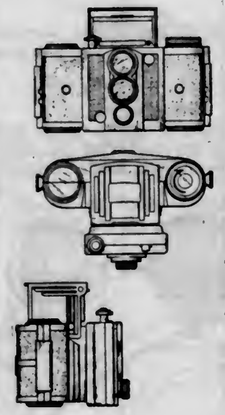
The ornamental design for a combination toothpick holder and diet chart, as shown.

120,734
DESIGN FOR A PENCIL LEAD CONTAINER OR THE LIKE
David Kahn, Woodcliff, N. J., assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J., a corporation of New Jersey
Application January 27, 1940, Serial No. 89,786
Term of patent 14 years



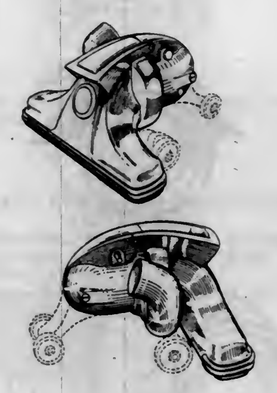
The ornamental design for a pencil lead container or the like, substantially as shown and described.

120,735
DESIGN FOR A CAMERA CASING
George Kende, New York, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of New York
Application March 26, 1940, Serial No. 91,258
Term of patent 7 years



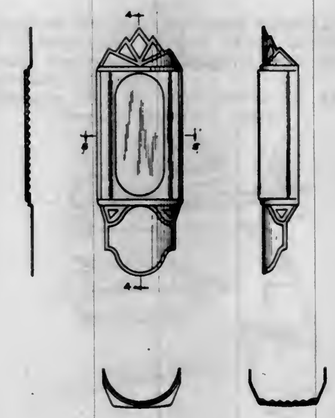
The ornamental design for a camera casing, as shown.

120,736
DESIGN FOR A SUCTION CLEANER CASING
James B. Kirby, West Richfield, Ohio
Application December 15, 1939, Serial No. 88,925
Term of patent 14 years



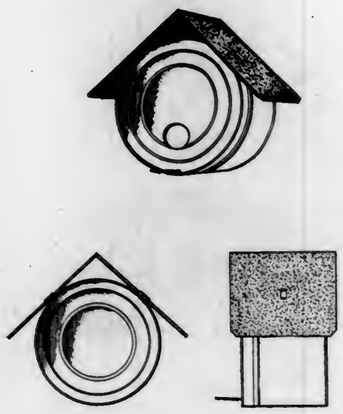
The ornamental design for a suction cleaner casing, substantially as shown.

120,737
DESIGN FOR A REFLECTOR FOR BICYCLES
Harry W. Kranz, Lakewood, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application March 12, 1940, Serial No. 90,859
Term of patent 7 years



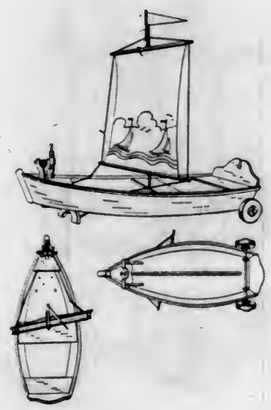
The ornamental design for a reflector for bicycles, as shown.

120,738
DESIGN FOR A BIRDHOUSE
Andrew C. Larsen, Minneapolis, Minn., assignor of one-half to Arthur W. Sandstrom, Minneapolis, Minn.
Application June 29, 1939, Serial No. 85,769
Term of patent 14 years



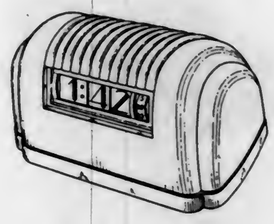
The ornamental design for a birdhouse, as shown.

120,739
DESIGN FOR A TOY SANDBOX
Edward Gerstell McCandlish, Van Wert, Ohio
Application December 27, 1938, Serial No. 82,007
Term of patent 14 years



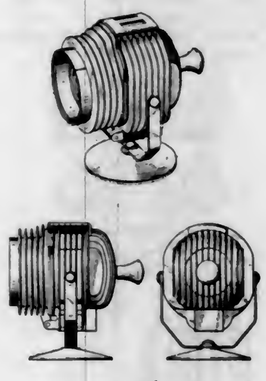
The ornamental design for a toy sandbox, as shown and described.

120,740
DESIGN FOR A CLOCK
Peter Muller-Munk, Pittsburgh, Pa., assignor to Pennwood Company, a corporation of Pennsylvania
Application January 4, 1940, Serial No. 89,294
Term of patent 3½ years



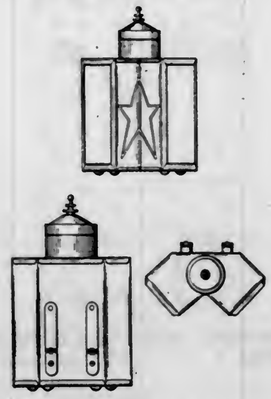
The ornamental design for a clock, substantially as shown and described.

120,741
DESIGN FOR A SPOTLIGHT OR SIMILAR ARTICLE
William E. Naylor, New York, N. Y., assignor to Fink-Roselieve Co. Inc., New York, N. Y., a corporation of New York
Application March 28, 1940, Serial No. 91,290
Term of patent 7 years



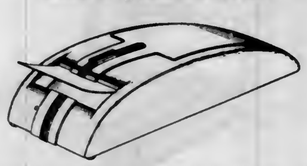
The ornamental design for a spotlight or similar article, substantially as shown.

120,742
DESIGN FOR A COMBINED NAPKIN AND MENU HOLDER AND STRAW DISPENSER
Benjamin M. Oswell, Los Angeles, Calif.
Application August 24, 1939, Serial No. 86,860
Term of patent 14 years



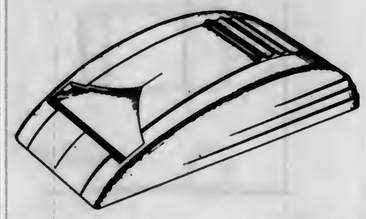
The ornamental design for a combined napkin and menu holder and straw dispenser, as shown.

120,743
DESIGN FOR A PAPER DISPENSER UNIT
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 26, 1940, Serial No. 91,252
Term of patent 14 years



The ornamental design for a paper dispenser unit, as shown and described.

120,744
DESIGN FOR A DESK PAD UNIT
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 26, 1940, Serial No. 91,253
Term of patent 14 years



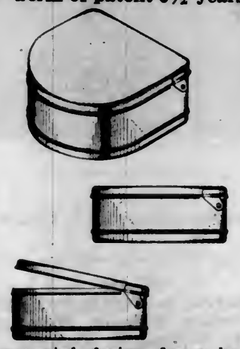
The ornamental design for a desk pad unit, as shown and described.

120,745
DESIGN FOR A COLLAR HOLDER OR SIMILAR ARTICLE
Charles Silverman, Providence, R. I.
Application March 19, 1940, Serial No. 91,064
Term of patent 7 years



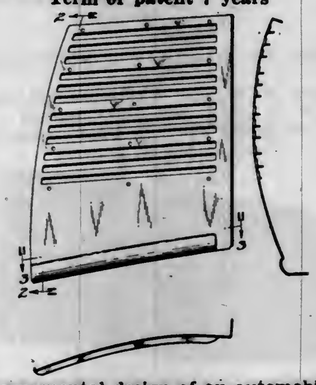
The ornamental design for a collar holder or similar article, as shown.

120,746
DESIGN FOR A BOX OR SIMILAR CONTAINER
Louis A. Trevisan, Bloomfield, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 13, 1939, Serial No. 85,476
Term of patent 3½ years



The ornamental design for a box or similar container, as shown and described.

120,747
DESIGN FOR AN AUTOMOBILE GRILLE UNIT
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 28, 1939, Serial No. 86,308
Term of patent 7 years



The ornamental design of an automobile grille unit, substantially as shown.

120,748
DESIGN FOR A TEXTILE FABRIC
Hugh J. Carragher and Thurston B. Wilson, Brooklyn, Conn., assignors to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Connecticut
Application April 18, 1940, Serial No. 91,762
Term of patent 3½ years



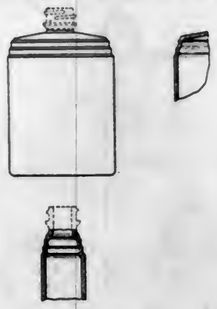
The ornamental design for a textile fabric, as shown.

120,749
DESIGN FOR A SIGNALING DEVICE
William J. Corbett, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application March 28, 1940, Serial No. 91,306
Term of patent 7 years



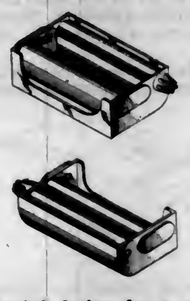
The ornamental design for a signaling device, substantially as shown.

120,750
DESIGN FOR A BOTTLE
John M. Foster, Marion, Ind., assignor to Foster-Forbes Glass Company, Marion, Ind., a corporation
Application November 10, 1939, Serial No. 88,192
Term of patent 7 years



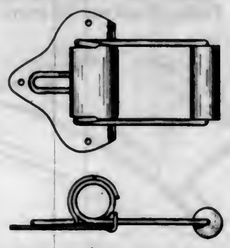
The ornamental design for a bottle, as shown and described.

120,751
DESIGN FOR A CIGARETTE ROLLER
James H. Fuller, University City, Mo., assignor to Marshall D. Gibson, Webster Groves, Mo.
Application September 25, 1939, Serial No. 87,378
Term of patent 14 years



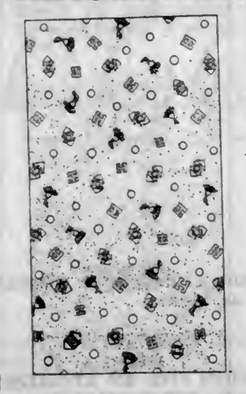
The ornamental design for a cigarette roller, as shown.

120,752
DESIGN FOR A DOOR CLOSER
Hiram Benjamin Gallinger, Superior, Wis.
Application April 17, 1939, Serial No. 84,352
Term of patent 14 years



The ornamental design for a door closer, as shown.

120,753
DESIGN FOR A TEXTILE FABRIC
Robert S. Gentile, New York, N. Y.
Application April 22, 1940, Serial No. 91,840
Term of patent 3½ years



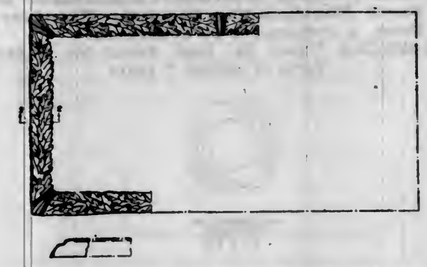
The ornamental design for a textile fabric, as shown.

120,754
DESIGN FOR AN ORGAN CASING
George P. Gubbins, Oak Park, Ill.
Application August 22, 1939, Serial No. 86,831
Term of patent 7 years



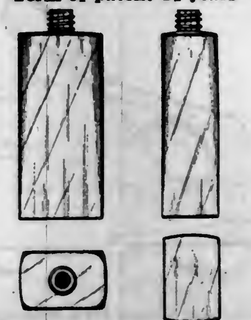
The ornamental design for an organ casing, as shown.

120,755
DESIGN FOR A MEMORIAL GRAVE MARKER
Otto H. Harer, Painesville, Ohio
Application December 21, 1939, Serial No. 89,081
Term of patent 14 years



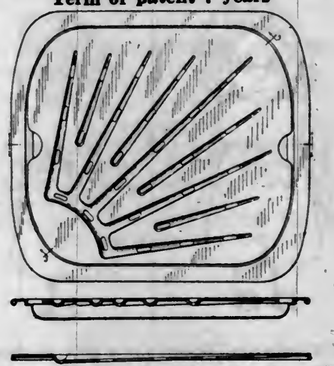
The ornamental design for a memorial grave marker, as shown and described.

120,756
DESIGN FOR A BOTTLE
Frank Earl Higgins, New York, N. Y., assignor to California Perfume Company, Inc., New York, N. Y., a corporation of New York
Application November 13, 1939, Serial No. 88,219
Term of patent 14 years



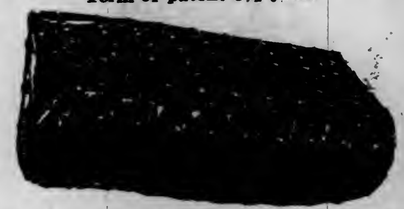
The ornamental design for a bottle, as shown.

120,757
DESIGN FOR A BROILER GRILL
Stanley H. Hobson, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application March 16, 1940, Serial No. 90,982
Term of patent 7 years



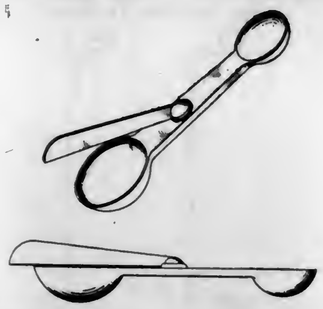
The ornamental design for a broiler grill, substantially as shown.

120,758
DESIGN FOR A HANDBAG OR SIMILAR ARTICLE
Florence Kuhlman, New York, N. Y., assignor to Robert Appel, New York, N. Y.
Application April 22, 1940, Serial No. 91,838
Term of patent 3½ years



The ornamental design for a handbag or similar article, substantially as shown and described.

120,759
DESIGN FOR A MEASURING SPOON
Estelle L. O'Bryon, San Leandro, Calif.
Application September 25, 1939, Serial No. 87,376
Term of patent 7 years



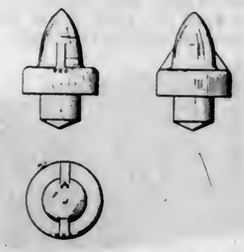
The ornamental design for a measuring spoon, as shown.

120,760
DESIGN FOR A DOLL
Winnifred Parry, Beverly Hills, Calif.
Application August 19, 1939, Serial No. 86,783
Term of patent 7 years



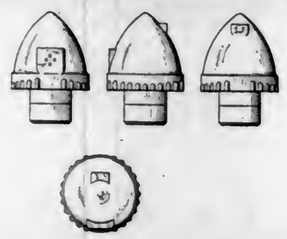
The ornamental design for a doll, as shown.

120,761
DESIGN FOR A CONDIMENT DISPENSER CAP
Valentine Schindelbeck, Boonton, N. J.
Application March 9, 1940, Serial No. 90,782
Term of patent 14 years



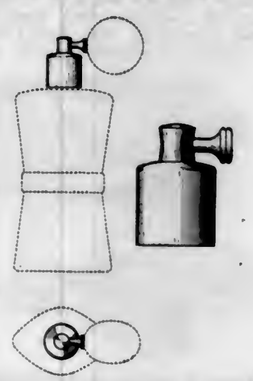
The ornamental design for a condiment dispenser cap, as shown.

120,762
DESIGN FOR A CONDIMENT DISPENSER CAP
Valentine Schindelbeck, Boonton, N. J.
Application March 9, 1940, Serial No. 90,783
Term of patent 14 years



The ornamental design for a condiment dispenser cap, as shown.

120,763
DESIGN FOR AN ATOMIZER
Joy B. Schmitt, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application February 19, 1940, Serial No. 90,348
Term of patent 7 years



The ornamental design for an atomizer, substantially as shown and described.

120,764
DESIGN FOR A FASTENER PRONG RING
Thomas F. Slater, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 20, 1940, Serial No. 91,084
Term of patent 7 years



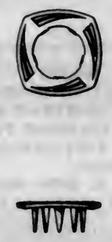
The ornamental design for a fastener prong ring, substantially as shown.

120,765
DESIGN FOR A FASTENER PRONG RING
Thomas F. Slater, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 20, 1940, Serial No. 91,085
Term of patent 7 years



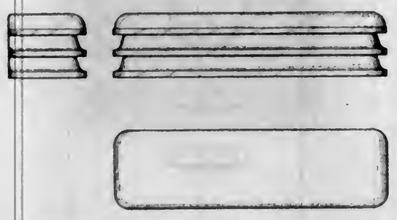
The ornamental design for a fastener prong ring, substantially as shown.

120,766
DESIGN FOR A FASTENER PRONG RING
Thomas F. Slater, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 20, 1940, Serial No. 91,086
Term of patent 7 years



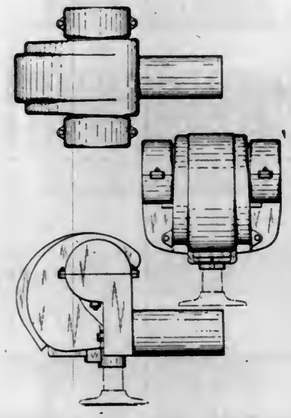
The ornamental design for a fastener prong ring, substantially as shown.

120,767
DESIGN FOR A LAMP SHADE
Oliver H. Williams, Chicago, Ill., assignor to Industrial Lamp Corporation, Chicago, Ill.
Application October 25, 1939, Serial No. 87,853
Term of patent 14 years



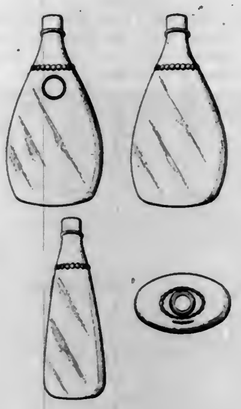
The ornamental design for a lamp shade, as shown.

120,768
DESIGN FOR AN OIL BURNER
Burdell S. Williams, Dayton, Ohio
Application October 30, 1939, Serial No. 87,945
Term of patent 14 years



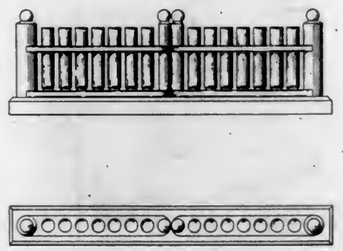
The ornamental design for an oil burner, as shown and described.

120,769
DESIGN FOR A BOTTLE
Georges Wilmet, Roslyn, N. Y., assignor to Distilled Liquors Corporation, New York, N. Y., a corporation of New York
Application March 12, 1940, Serial No. 90,861
Term of patent 14 years



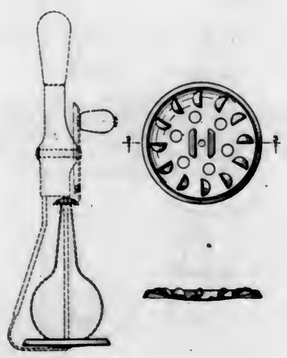
The ornamental design for a bottle, as shown.

120,770
DESIGN FOR A COMBINED NAIL POLISH DISPLAY AND STAND
James L. Younghusband, Chicago, Ill.
Application March 5, 1940, Serial No. 90,701
Term of patent 7 years



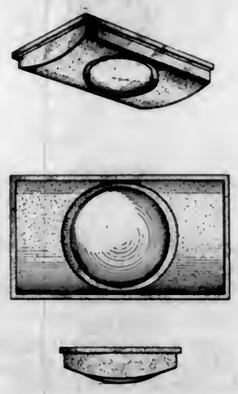
The ornamental design for a combined nail polish display and stand, substantially as shown and described.

120,771
DESIGN FOR A BEATER FOR EGGS, CREAM, OR THE LIKE
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application September 25, 1939, Serial No. 87,381
Term of patent 14 years



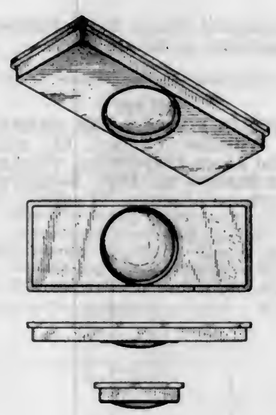
The ornamental design for a beater for eggs, cream, or the like, as shown and described.

120,772
DESIGN FOR A COMBINED GLOBE AND PANEL FOR LIGHTING FIXTURES
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application April 5, 1939, Serial No. 84,048
Term of patent 14 years



The ornamental design for a combined globe and panel for lighting fixtures, substantially as shown and described.

120,773
DESIGN FOR A COMBINED GLOBE AND PANEL FOR LIGHTING FIXTURES
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application April 5, 1939, Serial No. 84,052
Term of patent 14 years



The ornamental design for a combined globe and panel for lighting fixtures, substantially as shown and described.

120,774
DESIGN FOR A FONT OF TYPE
Fred Benioff, San Francisco, Calif.
Application March 20, 1940, Serial No. 91,090
Term of patent 14 years



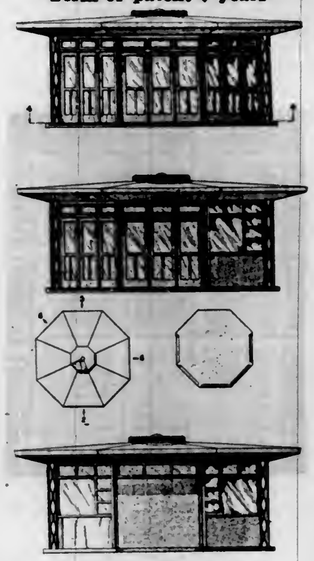
The ornamental design for a font of type, as shown.

120,775
DESIGN FOR A TEXTILE FABRIC
Irving Brecher, Brooklyn, N. Y.
Application March 15, 1940, Serial No. 90,944
Term of patent 3½ years



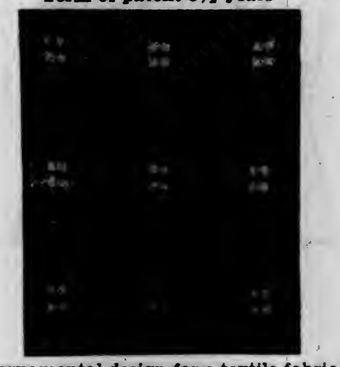
The ornamental design for a textile fabric, substantially as shown and described.

120,776
DESIGN FOR A VACATION HOUSE
William C. Callaway, Pasadena, Calif.
Application March 4, 1940, Serial No. 90,655
Term of patent 7 years



The ornamental design for a vacation house, substantially as shown.

120,777
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application April 26, 1940, Serial No. 91,968
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

120,778
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application April 26, 1940, Serial No. 91,969
Term of patent 3½ years



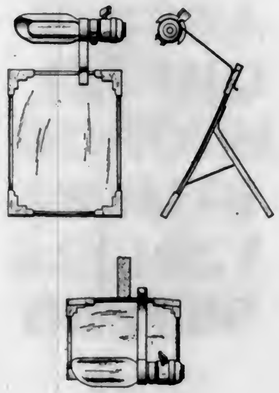
The ornamental design for a textile fabric, substantially as shown.

120,779
DESIGN FOR A COAT
Sabina De Pasquale, New York, N. Y.
Application February 5, 1940, Serial No. 90,008
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

120,780
DESIGN FOR A COMBINED MIRROR AND LAMP
Franklin E. Everson, Scarsdale, N. Y.
Application February 2, 1939, Serial No. 82,726
Term of patent 3½ years



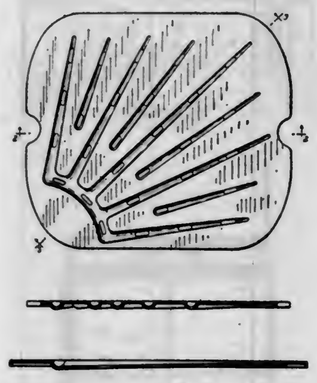
The ornamental design for a combined mirror and lamp, as shown.

120,781
DESIGN FOR A TEXTILE FABRIC
George J. Finnegan, New York, N. Y.
Application April 20, 1940, Serial No. 91,796
Term of patent 3½ years



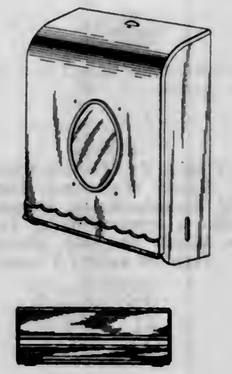
The ornamental design for a textile fabric, substantially as shown and described.

120,782
DESIGN FOR A COMBINED BROILER GRILL AND PAN
Stanley H. Hobson, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application March 16, 1940, Serial No. 90,983
Term of patent 14 years



The ornamental design for a combined broiler grill and pan, substantially as shown.

120,783
DESIGN FOR A PAPER-TOWEL DISPENSER
Harry E. Houghton, Bronxville, N. Y., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application March 30, 1940, Serial No. 91,360
Term of patent 7 years



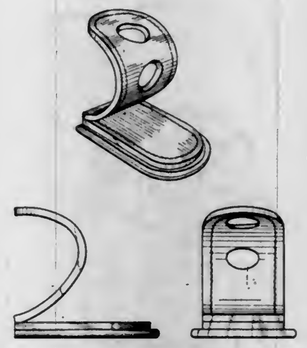
The ornamental design for a paper-towel dispenser, substantially as shown.

120,784
DESIGN FOR A GOLF PRACTICE DEVICE
William E. Kohl, Cleveland, Ohio
Application September 7, 1939, Serial No. 87,081
Term of patent 14 years



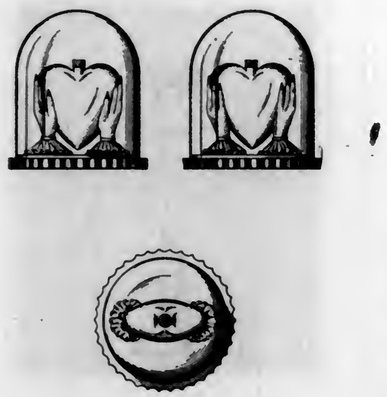
The ornamental design for a golf practice device, as shown.

120,785
DESIGN FOR A PIPE RACK
Harvey Lathrop, Forest Hills, N. Y.
Application February 7, 1940, Serial No. 90,086
Term of patent 7 years



The ornamental design for a pipe rack, substantially as shown.

120,786
DESIGN FOR A PERFUME CONTAINER OR THE LIKE
Bertha H. Ogden, New York, N. Y., assignor to Babs Creations, Inc., New York, N. Y., a corporation of New York
Application February 14, 1940, Serial No. 90,246
Term of patent 3½ years



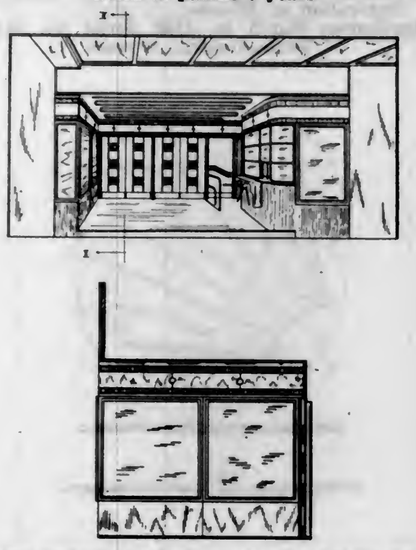
The ornamental design for a perfume container or the like, substantially as shown and described.

120,787
DESIGN FOR A COMBINATION CHILD'S WALKER AND STROLLER OR SIMILAR ARTICLE
Leslie Peltier, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio
Application March 26, 1940, Serial No. 91,263
Term of patent 14 years



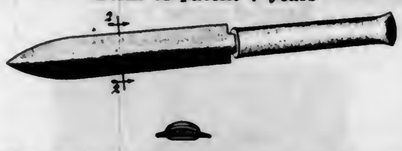
The ornamental design for a combination child's walker and stroller or similar article, as shown.

120,788
DESIGN FOR A THEATRE FRONT
Victor A. Rigaumont, Pittsburgh, Pa.
Application August 11, 1939, Serial No. 86,615
Term of patent 7 years



The ornamental design for a theatre front, substantially as shown.

120,789
DESIGN FOR A CONFECTIONERY PRODUCT
Edward L. Schoettle, Cincinnati, Ohio, assignor to The John Mueller Licorice Company, Cincinnati, Ohio, a corporation of Ohio
Application April 10, 1940, Serial No. 91,582
Term of patent 7 years



The ornamental design for a confectionery product, as shown.

120,790
DESIGN FOR A FASTENER PRONG RING
Thomas F. Slater, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 20, 1940, Serial No. 91,083
Term of patent 7 years



The ornamental design for a fastener prong ring, substantially as shown.

120,791
DESIGN FOR A FASTENER PRONG RING
Thomas F. Slater, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 20, 1940, Serial No. 91,087
Term of patent 7 years



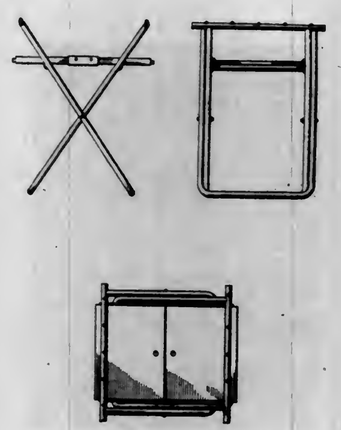
The ornamental design for a fastener prong ring, substantially as shown.

120,792
DESIGN FOR A PRINTER'S SAW
Glenn W. Tammen, Chicago, Ill., assignor to American Type Founders, Inc., Elizabeth, N. J., a corporation of New Jersey
Application December 28, 1939, Serial No. 89,174
Term of patent 7 years



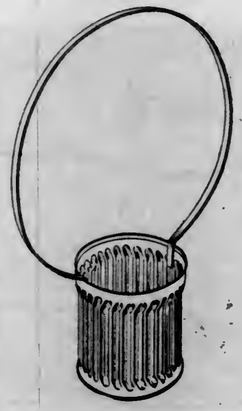
The ornamental design for a printer's saw, as shown.

120,793
DESIGN FOR A COLLAPSIBLE SERVING STAND
Dimitri Thomas, Chicago, Ill.
Application February 17, 1940, Serial No. 90,336
Term of patent 14 years



The ornamental design for a collapsible serving stand, as shown.

120,794
DESIGN FOR A BASKET OR SIMILAR CONTAINER
Joseph Ziska, Chicago, Ill.
Application March 11, 1940, Serial No. 90,823
Term of patent 3½ years



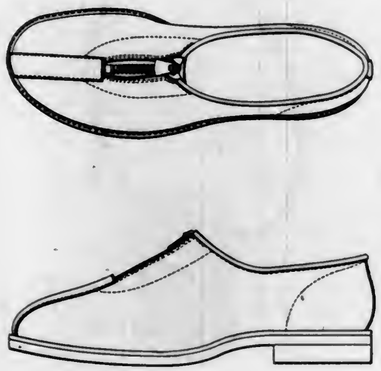
The ornamental design for a basket or similar container, substantially as shown.

120,795
DESIGN FOR A COMBINATION ASH TRAY AND SPONGE CUP
Frank Zuest, San Francisco, Calif.
Application March 16, 1939, Serial No. 83,611
Term of patent 7 years



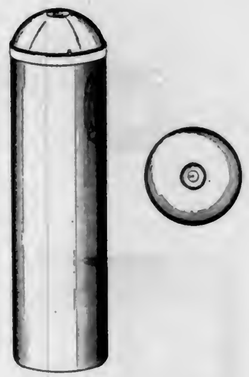
The ornamental design for a combination ash tray and sponge cup, substantially as shown.

120,796
DESIGN FOR A SHOE
Meyer Berkman, Mount Vernon, N. Y., assignor to The Service Boot & Legging Co., Inc., New York, N. Y., a corporation of New York
Application January 9, 1940, Serial No. 89,440
Term of patent 7 years



The ornamental design for a shoe, as shown.

120,797
DESIGN FOR AN APPARATUS FOR SPRAYING ATOMIZED LIQUIDS
Carsten F. Boe, Wilmington, Del.
Application February 8, 1940, Serial No. 90,142
Term of patent 14 years



The ornamental design for an apparatus for spraying atomized liquids, substantially as shown and described.

120,798
DESIGN FOR A TEXTILE FABRIC
Hugh J. Carragher and Thurston B. Wilson, Brooklyn, Conn., assignors to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application April 24, 1940, Serial No. 91,925
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

120,799
DESIGN FOR A TEXTILE FABRIC
Hugh J. Carragher and Thurston B. Wilson, Brooklyn, Conn., assignors to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application April 24, 1940, Serial No. 91,926
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

120,800
DESIGN FOR A TEXTILE FABRIC
Hugh J. Carragher and Thurston B. Wilson, Brooklyn, Conn., assignors to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application April 24, 1940, Serial No. 91,927
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

120,801
DESIGN FOR A TEXTILE FABRIC
Hugh J. Carragher and Thurston B. Wilson, Brooklyn, Conn., assignors to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application April 24, 1940, Serial No. 91,928
Term of patent 3½ years



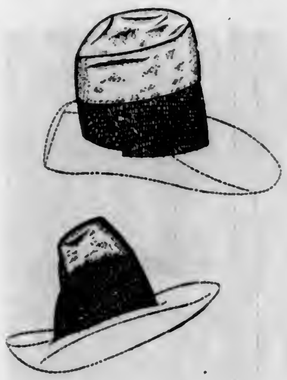
The ornamental design for a textile fabric, as shown.

120,802
DESIGN FOR A TEXTILE FABRIC
Hugh J. Carragher and Thurston B. Wilson, Brooklyn, Conn., assignors to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application April 24, 1940, Serial No. 91,929
Term of patent 3½ years



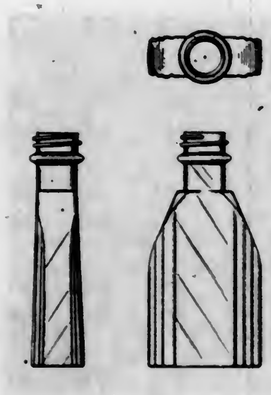
The ornamental design for a textile fabric, as shown.

120,803
DESIGN FOR A HAT
Lilly Daché, New York, N. Y.
Application June 13, 1939, Serial No. 85,472
Term of patent 14 years



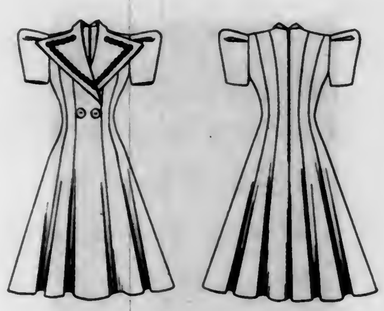
The ornamental design for a hat, substantially as shown and described.

120,804
DESIGN FOR A BOTTLE
John L. Dunnock, Baltimore, Md., assignor to Swindell Brothers, Incorporated, Baltimore, Md.
Application March 28, 1940, Serial No. 91,308
Term of patent 7 years



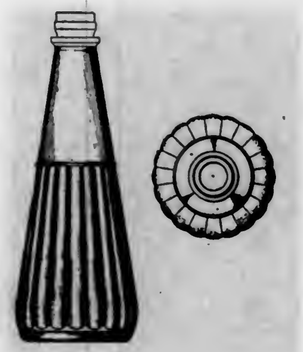
The ornamental design for a bottle, substantially as shown.

120,805
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 1, 1940, Serial No. 92,050
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,806
DESIGN FOR A BOTTLE
Brooks D. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 3, 1940, Serial No. 91,444
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

120,807
DESIGN FOR A TEXTILE FABRIC
Robert S. Gentile, New York, N. Y.
Application April 22, 1940, Serial No. 91,841
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

120,808
DESIGN FOR A DRESS ENSEMBLE
Faye L. Glass, New York, N. Y.
Application March 25, 1940, Serial No. 91,205
Term of patent 3½ years



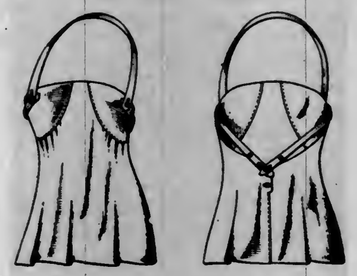
The ornamental design for a dress ensemble, substantially as shown.

120,809
DESIGN FOR A COMFORTABLE
Lawrence Goodstein, New York, N. Y.
Application May 4, 1940, Serial No. 92,156
Term of patent 3½ years



The ornamental design for a comfortable, substantially as shown, and described.

120,810
DESIGN FOR A BATHING SUIT OR SIMILAR ARTICLE
Bernard J. Hoffman, Jr., Forest Hills, Long Island, N. Y.
Application December 2, 1939, Serial No. 88,632
Term of patent 14 years



The ornamental design for a bathing suit or similar article, substantially as shown.

120,811
DESIGN FOR A COMFORTABLE
Peter Joseph, Brooklyn, N. Y.
Application April 26, 1940, Serial No. 91,966
Term of patent 3½ years



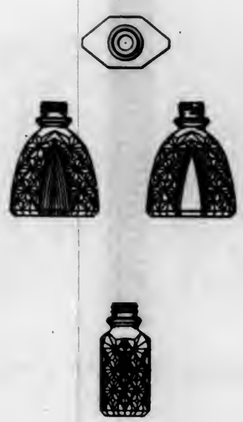
The ornamental design for a comfortable, substantially as shown.

120,812
DESIGN FOR A COMFORTABLE
Peter Joseph, Brooklyn, N. Y.
Application April 27, 1940, Serial No. 91,996
Term of patent 3½ years



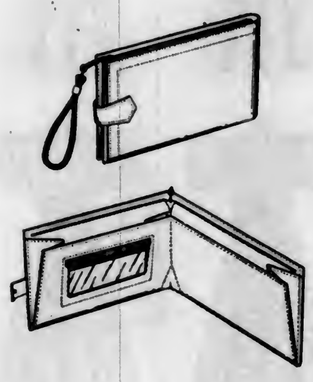
The ornamental design for a comfortable, substantially as shown.

120,813
DESIGN FOR A GLASS BOTTLE
Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application February 20, 1940, Serial No. 90,377
Term of patent 14 years



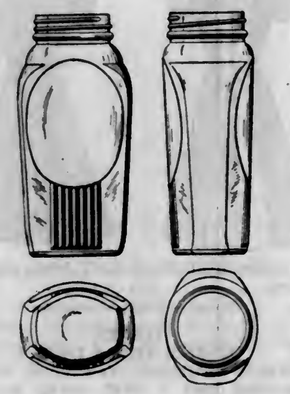
The ornamental design for a glass bottle, substantially as shown.

120,814
DESIGN FOR A FLEXIBLE RECEPTACLE
Victor Linderman, New Bedford, Mass., assignor to Strand Leather Goods Co., Inc., New York, N. Y., a corporation of New York
Application March 2, 1940, Serial No. 90,639
Term of patent 7 years



The ornamental design for a flexible receptacle, as shown.

120,815
DESIGN FOR A GLASS JAR
William J. Lundy, Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application March 12, 1940, Serial No. 90,857
Term of patent 7 years



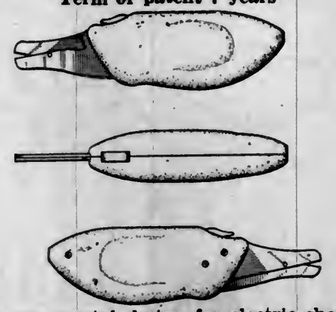
The ornamental design for a glass jar, as shown.

120,816
DESIGN FOR A HAT
Jack E. Newman, New York, N. Y.
Application November 22, 1939, Serial No. 88,420
Term of patent 3½ years



The ornamental design for a hat, as shown.

120,817
DESIGN FOR ELECTRIC SHEARS
James Pollak, Chicago, Ill., assignor to General Transformer Corporation, Chicago, Ill., a corporation of Illinois
Application October 18, 1939, Serial No. 87,709
Term of patent 7 years



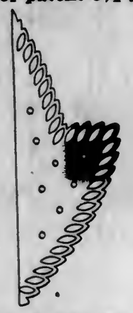
The ornamental design for electric shears, as shown.

120,818
DESIGN FOR AN EMBROIDERED TRIMMING
Emil A. Pulver, Bogota, N. J.
Application January 30, 1940, Serial No. 89,888
Term of patent 3½ years



The ornamental design for an embroidered trimming, as shown.

120,819
DESIGN FOR AN EMBROIDERED TRIMMING
Emil A. Pulver, Bogota, N. J.
Application January 30, 1940, Serial No. 89,889
Term of patent 3½ years



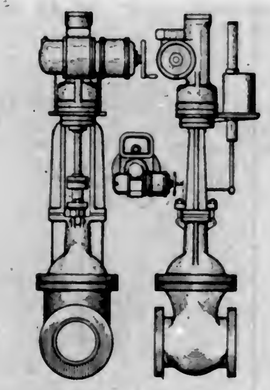
The ornamental design for an embroidered trimming, as shown.

120,820
DESIGN FOR AN EMBROIDERED TRIMMING
Emil A. Pulver, Bogota, N. J.
Application January 30, 1940, Serial No. 89,890
Term of patent 3½ years



The ornamental design for an embroidered trimming, as shown.

120,821
DESIGN FOR A POWER OPERATED VALVE UNIT
Ernest J. Svenson, Rockford, Ill.
Application August 16, 1938, Serial No. 79,380
Term of patent 14 years



The ornamental design for a power operated valve unit, substantially as shown.

120,822
DESIGN FOR A DRESS
Morris Birnbaum, New York, N. Y.
Application May 2, 1940, Serial No. 92,085
Term of patent 3½ years



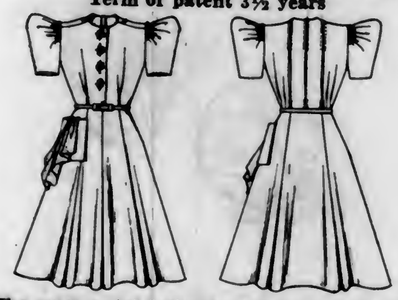
The ornamental design for a dress, substantially as shown.

120,823
DESIGN FOR A DRESS
Morris Birnbaum, New York, N. Y.
Application May 2, 1940, Serial No. 92,086
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,824
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 4, 1940, Serial No. 92,122
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,825
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 4, 1940, Serial No. 92,124
Term of patent 3½ years



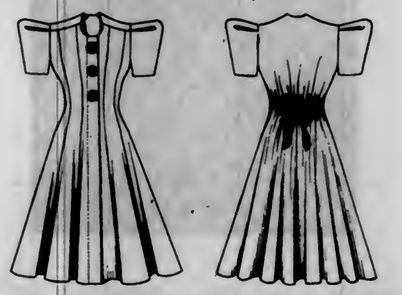
The ornamental design for a dress, substantially as shown.

120,826
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 4, 1940, Serial No. 92,125
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,827
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 4, 1940, Serial No. 92,126
Term of patent 3½ years



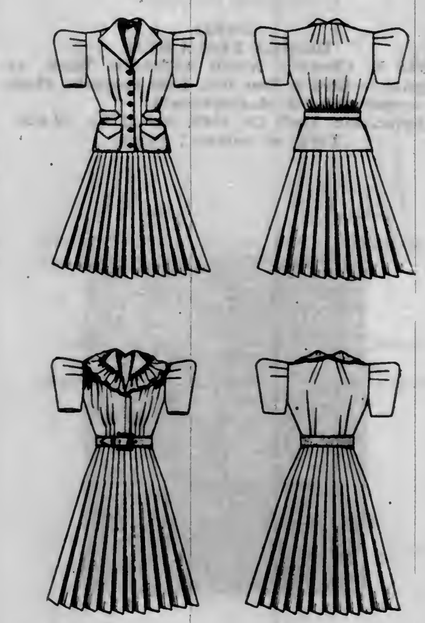
The ornamental design for a dress, substantially as shown.

120,828
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 4, 1940, Serial No. 92,130
Term of patent 3½ years



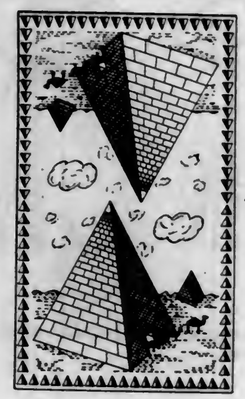
The ornamental design for a dress, substantially as shown.

120,829
DESIGN FOR A DRESS ENSEMBLE
Harold C. Weingarten, New York, N. Y.
Application May 9, 1940, Serial No. 92,233
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

120,830
DESIGN FOR A PLAYING CARD
Frederick W. Buck, Washington, D. C.
Application November 30, 1939, Serial No. 88,587
Term of patent 7 years



The ornamental design for a playing card, as shown.

120,831
DESIGN FOR A RUG
Melvin V. Chevers, North Attleboro, Mass., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts
Application April 29, 1940, Serial No. 92,028
Term of patent 7 years



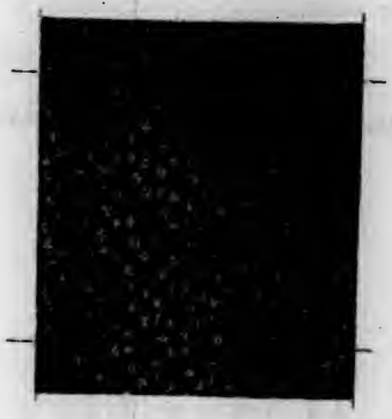
The ornamental design for a rug, as shown.

120,832
DESIGN FOR A CARPET OR SIMILAR ARTICLE
William O. Dewsbury, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. N. Y., a corporation of Delaware
Application June 10, 1938, Serial No. 77,720
Term of patent 7 years



The ornamental design for a carpet or similar article, as shown.

120,833
DESIGN FOR A TEXTILE FABRIC
Maclyn L. Guhl, Forest Hills, N. Y.
Application April 27, 1940, Serial No. 91,993
Term of patent 3½ years



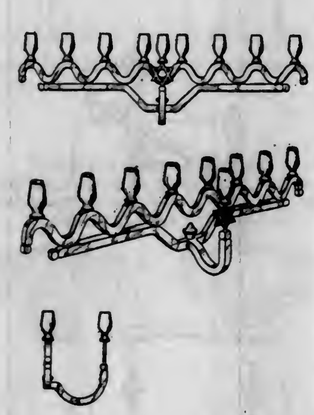
The ornamental design for a textile fabric, substantially as shown and described.

120,834
DESIGN FOR A DRESS
Aline Henry, New York, N. Y.
Application April 24, 1940, Serial No. 91,907
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,835
DESIGN FOR A COMBINATION BRANCH OR ARM FOR CANDELABRA
Abraham Kowalsky, Brooklyn, N. Y., assignor to S. W. Farber, Inc., Brooklyn, N. Y., a corporation of New York
Application December 30, 1939, Serial No. 89,236
Term of patent 14 years



The ornamental design for a combination branch or arm for candelabra, substantially as shown.

120,836
DESIGN FOR A DRESS
Marie V. Mascitelli, New York, N. Y.
Application May 9, 1940, Serial No. 92,234
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,837
DESIGN FOR A REDINGOTE
Syd Novak, Chicago, Ill.
Application April 25, 1940, Serial No. 91,935
Term of patent 3½ years

The ornamental design for a redingote substantially as shown.

120,838
DESIGN FOR A PREMIUM COUPON
Albert A. Plock, Eminence, Ky.
Application March 13, 1940, Serial No. 90,901
Term of patent 3½ years



The ornamental design for a premium coupon, as shown.

120,839
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
José Rodrigues, New York, N. Y.
Application March 29, 1940, Serial No. 91,327
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

120,840
DESIGN FOR A GAME DEVICE
Henry Singer, Honolulu, Territory of Hawaii, assignor of one-half to Kwai Sin Char, Honolulu, Territory of Hawaii
Application March 23, 1940, Serial No. 91,199
Term of patent 14 years



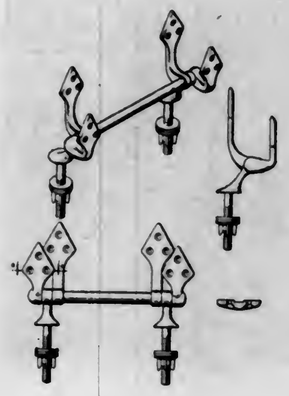
The ornamental design for a game device, as shown.

120,841
DESIGN FOR A TEXTILE FABRIC
Furth Ullman, New York, N. Y.
Application April 16, 1940, Serial No. 91,709
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

120,842
DESIGN FOR A TOILET HINGE
Dudley S. Warth, Longmeadow, Mass.
Substituted for abandoned application Serial No. 83,724, March 21, 1939. This application January 22, 1940, Serial No. 89,633
Term of patent 7 years



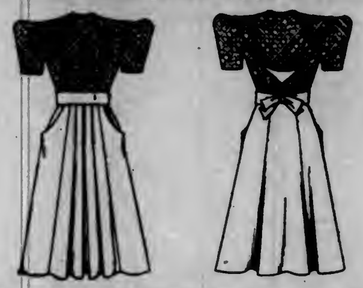
The ornamental design for a toilet hinge, substantially as shown.

120,843
DESIGN FOR A BRUSH
Frank R. Weber, Troy, N. Y., assignor to Mohawk Brush Company, Albany, N. Y., a corporation of New York
Application March 21, 1939, Serial No. 83,735
Term of patent 14 years



The ornamental design for a brush, as shown.

120,844
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 4, 1940, Serial No. 92,121
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,845
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 4, 1940, Serial No. 92,131
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,846
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Meredith Stewart Ireys, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application March 13, 1940, Serial No. 90,884
Term of patent 14 years



The ornamental design for a bottle or similar article, substantially as shown and described.

120,847
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Meredith Stewart Ireys, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application March 13, 1940, Serial No. 90,885
Term of patent 14 years



The ornamental design for a bottle or similar article, substantially as shown and described.

120,848
DESIGN FOR A DRESS
Philip Israel, New York, N. Y.
Application May 10, 1940, Serial No. 92,253
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,849
DESIGN FOR A DRESS
Herbert Lindenbaum, New York, N. Y.
Application May 10, 1940, Serial No. 92,250
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,850
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application May 9, 1940, Serial No. 92,231
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,851
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application May 9, 1940, Serial No. 92,232
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

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JUNE

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UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1940

120,848
DESIGN FOR A DRESS
Philip Israel, New York, N. Y.
Application May 10, 1940, Serial No. 92,253
Term of patent 3½ years



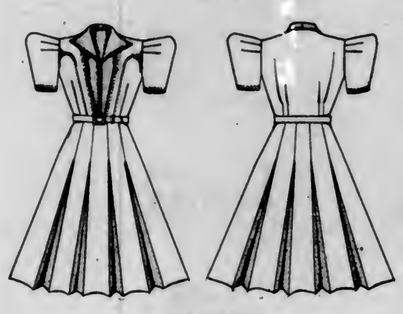
The ornamental design for a dress, substantially as shown.

120,849
DESIGN FOR A DRESS
Herbert Lindenbaum, New York, N. Y.
Application May 10, 1940, Serial No. 92,250
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,850
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application May 9, 1940, Serial No. 92,231
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,851
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application May 9, 1940, Serial No. 92,232
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

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VOLUME 515

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20. 1905, Sec. 6, as amended Mar. 2. 1907]

Abbott Laboratories, North Chicago, Ill. Product having the properties of vitamin K. Serial No. 430,168; June 4. Class 6.

Apex Dress Co. Inc., New York, N. Y. Dresses and suits. Serial No. 429,965; June 4. Class 39.

Arpco Playing Card Company, Chicago, Ill. Playing cards. Serial No. 431,186; June 4. Class 22.

Asta Dog Food Co. (See Los Angeles Sales Co.)

Atlas Powder Company, Wilmington, Del. Wood stain. Serial No. 429,966; June 4. Class 16.

Automatic Products Company, Milwaukee, Wis. Hygrometers, thermostats, humidity conditioning control units, etc. Serial No. 429,161; June 4. Class 26.

Automatic Products Company, Milwaukee, Wis. Electric solenoids, transformers, converters and condensers. Serial No. 429,162; June 4. Class 21.

Ayrshire Breeder's Association, Brandon, Vt. Fresh milk. Serial No. 408,080; June 4. Class 46.

Baer, L. Miles, Philadelphia, Pa. Hair pomade. Serial No. 430,305; June 4. Class 6.

Bailey, Hazel J., Los Angeles, Calif. Sandwich spread. Serial No. 430,476; June 4. Class 46.

Ballard & Ballard Company, Incorporated, Louisville, Ky. Self-rising compound for flour. Serial No. 430,433; June 4. Class 46.

Barton, Louis, Elizabeth, N. J. Book matches. Serial No. 427,418; June 4. Class 9.

Berman, Ruth S., doing business as The Judy Company, Minneapolis, Minn. Puzzle games. Serial No. 427,456; June 4. Class 22.

Bilbara Publishing Company, Inc., New York, N. Y. Periodical. Serial No. 430,307; June 4. Class 38.

Bloom, Israel, New York, N. Y. Device for carrying gloves. Serial No. 429,293; June 4. Class 40.

Blumenthal Print Works, New Orleans, La. Mattress and upholstery coverings in the piece. Serial No. 429,839; June 4. Class 42.

Bonwit Teller, Inc., New York, N. Y. Handbags and pocketbooks. Serial No. 429,803; June 4. Class 3.

Bonwit Teller, Inc., New York, N. Y. Blouses, sweaters, dresses, etc. Serial No. 429,805; June 4. Class 39.

Bonwit Teller, Inc., New York, N. Y. Blouses, sweaters, dresses, etc. Serial No. 429,929; June 4. Class 39.

Borden, Max, doing business as Jaymar Specialty Company, Brooklyn, N. Y. Dolls' dresses. Serial No. 430,538; June 4. Class 22.

Bowman, Hyman D., doing business as Share-It Sales Service, Pittsburgh, Pa. Placards and posters, printed advertisements. Serial No. 425,229; June 4. Class 38.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables. Serial No. 431,290; June 4. Class 22.

Butler Brothers, Chicago, Ill. Scissors. Serial No. 430,483; June 4. Class 23.

Campbell Dairy Machinery Company, Hampshire, Ill. Case and can conveyors, and parts thereof. Serial No. 430,581; June 4. Class 23.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Chemical compounds. Serial No. 430,385; June 4. Class 6.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Synthetic organic resins and plastics, and strands, filaments, yarns, etc. Serial No. 430,436; June 4. Class 1.

Chesty Dog Food Co. (See Los Angeles Sales Co.)

Chrysler Corporation, Highland Park, Mich. Fuel gauge and oil gauge. Serial No. 430,489; June 4. Class 26.

Chrysler Corporation, Highland Park, Mich., and Dayton, Ohio. Refrigerant compressors and fuel pumps for oil burners. Serial No. 428,609; June 4. Class 23.

Cline, Julia M., Shreveport, La. Hand painted wooden dolls. Serial No. 430,761; June 4. Class 22.

Colbar, Inc., Columbus, Ohio. Electric refrigerators and bottle coolers. Serial No. 430,762; June 4. Class 31.

Columbus Plastic Products Inc., Columbus, Ohio. Clothesline and lawn hose reels. Serial No. 418,238; June 4. Class 13.

Cosmo Salads, Inc., New York and Brooklyn, N. Y. Bottled salads, soups, fruits, etc. Serial No. 427,225; June 4. Class 46.

Crown Zellerbach Corporation, San Francisco, Calif. Paper bags. Serial Nos. 430,579–80; June 4. Class 2.

Daviess County Distilling Company, Inc., The, Owensboro, Ky. Whiskey. Serial No. 424,540; June 4. Class 49.

Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixtures. Serial No. 430,492; June 4. Class 21.

Dietzgen, Eugene, Co., Chicago, Ill. Drafting material and supplies. Serial No. 428,864; June 4. Class 37.

Dintenfass, Julius, doing business as Science Sidelights Co., New York, N. Y. Monthly scientific news publication. Serial No. 426,439; June 4. Class 38.

Discavox Dictating Machine Company. (See Kingsley, George.)

Donner Commission Co., doing business as Fiebrantz & Benz, Milwaukee, Wis. Fresh dressed poultry. Serial No. 425,277; June 4. Class 46.

Doughnut Corporation of America, New York, N. Y. Prepared flour. Serial Nos. 427,619–20; June 4. Class 46.

Dunhill, Kay, Incorporated, Long Branch, N. J. Dresses. Serial No. 426,360; June 4. Class 39.

Earle Wholesale Grocery Co., Earle, Ark. Wheat flour, corn meal, rice, etc. Serial No. 426,767; June 4. Class 46.

Eastern Allied Sales Corp., New York, N. Y. Synthetic rubber tubing. Serial No. 431,300; June 4. Class 35.

Educational Supply Association Limited, The, London, England. Doors and window frames. Serial No. 430,273; June 4. Class 12.

Eze-Glos Co. (See Mills, H. Pete.)

Fahey-Brockman, Seattle, Wash. Woolen suitings. Serial No. 426,254; June 4. Class 42.

Famous Flours, Inc., Reno, Nev., and Omaha, Nebr. Wheat flour. Serial No. 430,302; June 4. Class 46.

Fiebrantz & Benz. (See Donner Commission Co.)

Firestone Tire & Rubber Company, The, Akron, Ohio. Sponge rubber. Serial No. 430,374; June 4. Class 1.

Fly Ash Arrestor Corporation, The, Birmingham, Ala. Flue stack fly ash arrestors and stokers. Serial No. 426,883; June 4. Class 34.

Foodcraft Products. (See United Buyers Corporation.)

Ford Motor Company, Dearborn, Mich. Metal polish, metal cleaner, and upholstery cleaner. Serial No. 427,018; June 4. Class 4.

Fownes Brothers & Company, Inc., New York, N. Y. Gloves. Serial No. 430,595; June 4. Class 39.

Fox, M. Ewing, Co., Inc., New York, N. Y. Cold water paint in powder form. Serial No. 419,718; June 4. Class 16.

Frost, George, Company, Boston, Mass. Apparel belts. Serial No. 430,129; June 4. Class 39.

G. H. S. Corporation, New York, N. Y. Hair nets. Serial No. 430,686; June 4. Class 39.

G. H. S. Corporation, New York, N. Y. Hair nets. Serial No. 430,688; June 4. Class 39.

General Mills, Inc., Minneapolis, Minn. Vitamin and mineral restoration agent. Serial No. 429,352; June 4. Class 46.

General Mills, Inc., Minneapolis, Minn. Vitamin and mineral restoration agent. Serial No. 429,355; June 4. Class 46.

Gimbel Brothers, Inc., New York, N. Y. Snowsuits, ski suits, coats, etc. Serial No. 430,227; June 4. Class 39.

Gladding, McBean & Co., Los Angeles, Calif. Wall and floor tile. Serial No. 429,902; June 4. Class 12.

Globe Knitting Works, Grand Rapids, Mich. Hosiery. Serial No. 405,501; June 4. Class 39.

Goldsboll, Abraham, Springfield, Mass. Slips. Serial No. 430,396; June 4. Class 39.

Goodman & Suss Clothes Corporation, New York, N. Y. Coats, vests, trousers, etc. Serial No. 430,445; June 4. Class 39.

Gorrell, Bard, Company, New York, N. Y. Matches. Serial No. 428,418; June 4. Class 9.

Gottlieb, David E., New York, N. Y. Dog leashes. Serial No. 429,978; June 4. Class 3.

Gourmet Milk Products, New York, N. Y. Cultured milk. Serial No. 427,200; June 4. Class 46.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Fluid milk and cake flour. Serial No. 430,266; June 4. Class 46.

Great Lakes Steel Corporation, Ecorse, Mich. High tensile alloy steel. Serial No. 426,997; June 4. Class 14.

Greinetz, Philip, doing business as Los Wigwam Weavers, Denver, Colo. Neckties and scarfs. Serial No. 430,131; June 4. Class 39.

Gulf Coast Machine & Supply Company, Beaumont, Tex. Oil field equipment. Serial No. 430,393; June 4. Class 23.

Gum Incorporated, Philadelphia, Pa. Chewing gum. Serial No. 430,552; June 4. Class 46.

Hall Brothers, Incorporated, Kansas City, Mo. Greeting cards. Serial No. 428,550; June 4. Class 38.

Hamilton Watch Company, Lancaster, Pa. Watches of all types; watch cases, dials, etc. Serial No. 429,853; June 4. Class 27.

Hecker Products Corporation, New York, N. Y. Shoe cleaner. Serial No. 430,317; June 4. Class 4.

Hecker Products Corporation, New York, N. Y. Shoe soap. Serial No. 430,318; June 4. Class 4.

Hogle & Taylor Company, New York, N. Y. Photographs. Serial No. 428,213; June 4. Class 38.

Hooper, Wm. E., & Sons Company, Baltimore, Md. Protective coating in the nature of a paint. Serial No. 428,813; June 4. Class 16.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, skin lotion, etc. Serial No. 430,135; June 4. Class 6.

Hughes, Henry L., El Paso, Tex. Mink pelts or mink fur skins, and live minks. Serial No. 429,226; June 4. Class 1.
Ice Cream Products, Inc., Chicago, Ill. Ice cream mix. Serial No. 422,611; June 4. Class 36.
International Nickel Company, Inc., The, New York, N. Y. Magazine. Serial No. 429,359; June 4. Class 38.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 429,405; June 4. Class 39.
Jay-Day Dress Co. Inc., New York, N. Y. Dresses. Serial No. 429,703; June 4. Class 39.
Jaymar Specialty Company. (See Borden, Max.)
Jenco Brothers, Inc., Paterson, N. J. Rubber heels. Serial No. 424,774; June 4. Class 39.
Johnston, Robert A., Company, Milwaukee, Wis. Prepared chocolate powder. Serial Nos. 430,182–3; June 4. Class 46.
Judy Company, The. (See Berman, Ruth S.)
Keasbey & Mattison Company, Ambler, Pa. Fire-resistant building boards. Serial No. 429,983; June 4. Class 12.
Keever Starch Company, The, Columbus, Ohio. Monthly publication. Serial Nos. 429,057–8; June 4. Class 38.
Kimball, J. H., Inc., New York, N. Y. Handkerchiefs. Serial No. 429,738; June 4. Class 39.
Kimble Glass Company, Vineland, N. J. Hydrometers. Serial No. 430,656; June 4. Class 26.
King Pitching Device Company, Inc., Monroeville, N. J. Pitching targets. Serial No. 430,917; June 4. Class 22.
Kingsley, George, doing business as Discavox Dictating Machine Company, London, England. Dictating machines, and sound-recording and sound-reproducing apparatus. Serial No. 430,606; June 4. Class 36.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. Serial No. 430,404; June 4. Class 40.
Kraft-Phenix Cheese Corporation, Chicago, Ill., by change of name Kraft Cheese Company. Stock or poultry food. Serial No. 416,148; June 4. Class 46.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Toilet tissue. Serial No. 417,464; June 4. Class 37.
Leather Line Company, Gloversville, N. Y. Knitted and textile fabrics made of cotton, wool, silk, etc. Serial No. 429,857; June 4. Class 42.
Lehrer-Howard, Inc., New York, N. Y. Coats, suits, and sportswear. Serial No. 430,575; June 4. Class 39.
Lord Henry Company. (See Wertheimer, Henry.)
Los Angeles Sales Co., doing business as Asta Dog Food Co., Fullerton and Harbor City, Calif. Canned cat and dog food. Serial No. 430,282; June 4. Class 46.
Los Angeles Sales Co., doing business as Chesty Dog Food Co., Fullerton and Harbor City, Calif. Canned dog and cat food. Serial No. 430,283; June 4. Class 46.
Los Wigwam Weavers. (See Greinetz, Philip.)
Lowe, Joe, Corporation, New York, N. Y. Flavored substance. Serial No. 430,407; June 4. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Fruit flavored paste. Serial No. 430,409; June 4. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial Nos. 430,411–12; June 4. Class 46.
Lusteroid Container Company, Inc., South Orange, N. J. Bottles, vials, and tubes. Serial No. 427,035; June 4. Class 2.
Manco Watch Strap Co., New York, N. Y. Watch straps. Serial No. 429,908; June 4. Class 40.
Many, Blanc & Co., Inc., Chicago, Ill. Whiskey. Serial No. 431,125; June 4. Class 49.
Marlboro Shirt Company, Inc., Baltimore, Md. Outer shirts, sport shirts, shirt and pants ensembles, etc. Serial No. 430,787; June 4. Class 39.
Marsh Wall Products, Inc., Dover, Ohio. Sheet wall covering. Serial No. 426,367; June 4. Class 12.
Master Electric Company, The, Dayton, Ohio. Electrically operated hoists and parts thereof. Serial No. 422,550; June 4. Class 21.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; Denver, Colo.; and St. Louis, Mo. Curtains and draperies. Serial No. 416,106; June 4. Class 42.
McCloughlin Bros., Inc., Springfield, Mass. Musical toy book. Serial No. 426,861; June 4. Class 22.
Metrie, Joseph, Milwaukee, Wis. Soap for use on animals. Serial No. 429,783; June 4. Class 4.
Mills, H. Pete, doing business as Eze-Glos Co., Cincinnati, Ohio. Liquid wax polish. Serial No. 423,920; June 4. Class 16.
Milwaukee Paper Supply Co., Milwaukee, Wis. Household paper supplies. Serial No. 427,384; June 4. Class 37.
Mitchell & Peirson Incorporated, Philadelphia, Pa. Kid leather. Serial No. 430,413; June 4. Class 1.
Monarch Wine Co., Inc., New York, N. Y. Wine. Serial No. 429,993; June 4. Class 47.
Moore, John Hudson, Inc., New York, N. Y. Leather covers. Serial No. 430,088; June 4. Class 8.
Mora, Francis L., New York, N. Y. Doll or toy. Serial No. 430,089; June 4. Class 22.
National Association of Confections Manufacturers, DuQuoin, Ill. Frozen confections. Serial No. 430,143; June 4. Class 46.
National Dry Limited of London, Canada, London, Ontario, Canada. Maltless beverages. Serial No. 428,441; June 4. Class 45.
National Radiator Company, The, Johnstown, Pa. Steam and hot water heating boilers. Serial No. 429,910; June 4. Class 34.
North Dakota Mill and Elevator Association, doing business as State Mill and Elevator, Grand Forks, N. Dak. Wheat embryo. Serial No. 427,116; June 4. Class 46.
Ohio Brush Co., Cincinnati, Ohio. Tooth brushes. Serial No. 428,164; June 4. Class 29.
Ohio Truss Company, The, Cincinnati, Ohio. Elastic girdles. Serial No. 430,190; June 4. Class 39.
Oliver, Emmett E., Nogales, Ariz. General line of fresh produce. Serial No. 425,162; June 4. Class 46.
Osborn, C. D., Co., Chicago, Ill. Gloves. Serial Nos. 430,793–4; June 4. Class 39.
Paparelli, A. J., doing business as San Pedro Laboratories, San Antonio, Tex. Medicinal preparation. Serial No. 431,020; June 4. Class 6.
Peerless Weaving Company, Inc., Pawtucket, R. I., and New York, N. Y. Rayon and cotton fabrics in the piece. Serial No. 429,746; June 4. Class 42.
Perloff, Leon, doing business as Squirtex Co., Philadelphia, Pa. Preparation for soapless dishwashing. Serial No. 429,676; June 4. Class 4.
Permanente Corporation, The, San Jose, Calif. Portland cement. Serial No. 429,536; June 4. Class 12.
Pioneer Suspender Company, Philadelphia, Pa. Trouser-supporting belts, garters, and suspenders. Serial No. 430,624; June 4. Class 39.
Pons, Helene, doing business as the Helene Pons Studio, New York, N. Y. Ladies' hats. Serial No. 429,953; June 4. Class 39.
Portable Plating and Equipment Company, Chicago, Ill. Addition agents, of a lubricating character. Serial No. 421,536; June 4. Class 15.
RCA Manufacturing Company, Inc., Camden and Harrison, N. J. Electron discharge tube pin bases. Serial No. 429,747; June 4. Class 21.
Regal Shoe Company, New York, N. Y. Shoe horns and shoe laces. Serial No. 429,133; June 4. Class 39.
Regal Shoe Company, New York, N. Y. Boots, shoes and slippers, etc. Serial No. 429,135; June 4. Class 39.
Rite Packing Corporation, Lyndhurst, N. J. Washing powder. Serial No. 430,303; June 4. Class 4.
Robinson & Sons, Limited, Chesterfield, England. Medicated surgical dressing. Serial No. 430,097; June 4. Class 6.
Robinson's Women's Apparel, Inc., New York, N. Y., and Flint, Mich. Junior size dresses. Serial No. 428,767; June 4. Class 39.
Rollocurl Corporation, New York, N. Y. Hair curling combs. Serial No. 425,585; June 4. Class 40.
Sally Frances Company. (See Strauss, Milford J.)
Sanna Dairy Engineers, Madison, Wis. Ice cream. Serial No. 430,039; June 4. Class 46.
San Pedro Laboratories. (See Paparelli, A. J.)
Schering Corporation, Bloomfield, N. J. Empty containers. Serial No. 428,889; June 4. Class 2.
Schwartz Manufacturing Company, Two Rivers, Wis. Cloth buffing sections. Serial No. 426,965; June 4. Class 4.
Science Sidelights Co. (See Dintenfass, Julius.)
Seabury, Inc., New Brunswick, N. J. Sanitary napkins. Serial No. 431,226; June 4. Class 44.
Sears, Roebuck and Co., Chicago, Ill. Sanitary napkins. Serial No. 431,087; June 4. Class 44.
Security Manufacturing Company, Kansas City, Mo. Furnaces. Serial No. 430,291; June 4. Class 34.
Selby, Battersby & Company, Philadelphia, Pa. Materials for plastic and mastic floor and deck coverings. Serial No. 430,150; June 4. Class 12.
Shakespeare Products Company, Kalamazoo, Mich. Binding element or member in the nature of a coil. Serial No. 429,669; June 4. Class 37.
Share-It Sales Service. (See Bowman, Hyman D.)
Shaw, Munson G., Co., Inc., New York, N. Y. Wines. Serial No. 430,249; June 4. Class 47.
Sheridan, F., Company, Incorporated, Detroit, Mich. Preparation to be used for the treatment of athlete's foot. Serial No. 428,706; June 4. Class 6.
Sherwin-Williams Co., The, Cleveland, Ohio. Poster papers, showcard, poster board, etc. Serial No. 426,787; June 4. Class 37.
Shields Slipper Corporation, Bombay, N. Y. Boots and shoes. Serial No. 430,460; June 4. Class 39.
Silver, Jacob A., New Haven, Conn. Watches. Serial No. 430,337; June 4. Class 27.
Simons Hatch & Whitten Company, Boston, Mass. Underwear. Serial No. 430,463; June 4. Class 39.
Simpson, Lorna W., Fort Lauderdale, Fla. Children's news feature series. Serial No. 427,922; June 4. Class 38.
Sixteen Millimeter Sound Films, Inc., Boston, Mass. Chemicals and chemical compounds. Serial No. 419,055; June 4. Class 6.
Squirtex Co. (See Perloff, Leon.)
Standard Milling Company, New York, N. Y. Wheat flour, bran, wheat flour middlings, etc. Serial No. 430,568; June 4. Class 46.
Standard Toykraft Products, Inc., Brooklyn, N. Y. Toy crayon and paint sets. Serial No. 431,332; June 4. Class 22.
State Mill and Elevator. (See North Dakota Mill and Elevator Association.)

Stenhouse, James B., Chicago, Ill. Dyes and tints. Serial No. 420,251; June 4. Class 6.
Stephano Brothers, Philadelphia, Pa. Smoking tobacco. Serial No. 430,422; June 4. Class 17.
Strauss, Benno, New York, N. Y. Diapers. Serial No. 429,958; June 4. Class 39.
Strauss, Milford J., doing business as Sally Frances Company, Dallas, Tex. Women's sportswear and sleeping garments. Serial No. 428,265; June 4. Class 39.
Suzuki, Eitaro, Hiroshima, Japan. Seasoning preparation. Serial No. 414,539; June 4. Class 46.
Tested Papers of America, Inc., Chicago, Ill. Toilet tissue, facial tissue, wax paper, etc. Serial No. 430,342; June 4. Class 37.
Thomas, James G., Wells River, Vt. Medicine for scour treatment. Serial No. 418,609; June 4. Class 6.
Thompson, Boyce, Research Foundation, Inc., Yonkers, N. Y. Food preservative. Serial No. 429,806; June 4. Class 6.
Timely Clothes, Incorporated, Rochester, N. Y. Men's clothing. Serial No. 430,047; June 4. Class 39.
Tolby Bros., Phoenix, Ariz. Fresh vegetables and melons. Serial No. 430,254; June 4. Class 46.
Tiimount Clothing Co. Inc., Boston, Mass. Garments. Serial No. 429,547; June 4. Class 39.
United Buyers Corporation, doing business as Foodcraft Products, Chicago, Ill. Toilet soaps, laundry soap, soap flakes, etc. Serial No. 430,529; June 4. Class 4.
United States Graphite Company, The, Saginaw, Mich. Granulated graphite. Serial No. 430,257; June 4. Class 1.
Universal Winding Company, Boston, Mass., and Cranston, R. I. Machines, apparatus and parts thereof. Serial No. 428,711; June 4. Class 23.
Virginia Rubatex Corporation, Jersey City, N. J. Knee pads. Serial No. 430,343; June 4. Class 50.
Waldbaum, S. & W., Inc., New York, N. Y. Butter. Serial No. 429,499; June 4. Class 46.
Walden-Cooke Company, New York, N. Y. Mending tape. Serial Nos. 430,935–6; June 4. Class 6.
Wall, E., & Co., Bradford, Yorkshire, England. Knitting and rug yarns. Serial No. 421,986; June 4. Class 43.
Walworth Patents Inc., Boston, Mass. Metal pipe joints. Serial No. 430,259; June 4. Class 13.
Warfel, Janet L., Chicago, Ill. Nutritional food supplements. Serial No. 430,112; June 4. Class 46.
Wehle Brewing Company, The, West Haven, Conn. Ale and beer. Serial No. 427,052; June 4. Class 48.
Weisberg, Max, Inc., New York, N. Y. Mattresses. Serial No. 427,218; June 4. Class 32.
Weiss, Walter, doing business as Walter Weiss & Co., New York, N. Y. Handkerchiefs. Serial No. 430,471; June 4. Class 39.
Wertheimer, Henry, doing business as Lord Henry Company, New York, N. Y. Coffee. Serial No. 427,250; June 4. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Battery chargers. Serial No. 429,582; June 4. Class 21.
Whitman Publishing Company, Racine, Wis. Periodical publication. Serial No. 427,183; June 4. Class 38.
Wills, Child Harold, Detroit, Mich. Steel wire. Serial No. 423,992; June 4. Class 14.
Wolfe, Louis, New York, N. Y. Comic strip. Serial No. 428,897; June 4. Class 38.
Wolff, Edward, Chicago, Ill. Natural mineral spring water. Serial No. 426,237; June 4. Class 45.
Wulf Bros., Inc., New York, N. Y. Suits. Serial No. 418,910; June 4. Class 39.
Wullschleger & Co., New York, N. Y. Silk and rayon piece goods. Serial No. 430,114; June 4. Class 42.
Yorkshire, Ltd., Las Vegas, Nev. Ginger beer and maltless beverages. Serial No. 428,340; June 4. Class 45.

LIST OF REGISTRANTS OF TRADE-MARKS

A/B B. A. Hjortht & Co., Stockholm, Sweden. Solid and fluid fuel burning brazing torches and lamps, soldering torches, etc. 378,230–1; June 4; Serial Nos. 417,678–9; published Mar. 26, 1940. Class 34.
A./B. Bröderna Kjellström, Stockholm, Sweden. Gymnastic exercise appliances; skis and ski staves and parts thereof, etc. 378,365; June 4; Serial No. 428,450; published Mar. 26, 1940. Class 22.
Admiracion Laboratories, Inc. (See Lundborg Company, The, assignor.)
Alfoth, Alma R., Chicago, Ill. Candles. 130,600; renewed May 4, 1940.
All American Comics, Inc., New York, N. Y. Magazine publication. 378,378; June 4. Class 38.
Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Comminuting machinery, and specifically tube and ball mills and tumbling comminuting-bodies thehrefor. 130,602; renewed May 4, 1940.
Amendt Milling Company, Monroe and Trenton, Mich., and Delta, Ohio, to Amendt Milling Company, Monroe, Mich. Wheat-flour. 133,891; renewed Aug. 10, 1940.
American Agricultural Chemical Co., The, assignor to The American Agricultural Chemical Company, New York, N. Y. Guano. 131,692; renewed May 25, 1940.
American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Reducing valves, blow gun air valves, towing chains, etc. 378,383; June 4. Class 13.
American Chemical Paint Company, Ambler, Pa. Plant stimulant. 378,255; June 4; Serial No. 425,505; published Mar. 19, 1940. Class 10.
American Factors, Limited, Honolulu, Hawaii, to American Factors, Limited, Honolulu, Hawaii, and San Francisco, Calif. Canned salmon. 130,455; renewed Apr. 27, 1940.
American Gypsum Company, The, Port Clinton, Ohio, assignor to The Celotex Corporation, Chicago, Ill. Gypsum wall board, aluminum foil insulating board, gypsum lath, etc. 378,218; June 4; Serial No. 370,074; published Dec. 17, 1935. Class 12.
American Remount Association, Washington, D. C. Periodical publication. 378,377; June 4. Class 38.
American Stores Company, Philadelphia, Pa. Ginger-ale, sarsaparilla, and root-beer. 135,586; renewed Oct. 19, 1940.
Armour and Company, Chicago, Ill. Musical-instrument strings. 123,575–8; renewed Sept. 14, 1940.
Armour and Company. (See Decker, Jacob E., & Sons, assignor.)
Armour Fertilizer Works, assignor to Armour and Company of Delaware, Chicago, Ill. Fertilizers. 134,212; renewed Aug. 24, 1940.
Babies Dispensary & Hospital of Cleveland, The, Cleveland, Ohio, assignor to S. M. A. Corporation, Chicago, Ill. Prepared milk food. 135,195; renewed Sept. 28, 1940.
Baldwin, Marion E., doing business as Hillshire Down, Killingly, Conn. Cosmetic preparations. 378,270; June 4; Serial No. 426,515; published Mar. 26, 1940. Class 6.
Band Box Corporation, The, St. Louis, Mo. Supplies and accessories for dry cleaning. 378,325; June 4; Serial No. 427,572; published Mar. 19, 1940. Class 4.
Banner Tire Company, Boston, Mass. Pneumatic tires and inner tubes. 378,246; June 4; Serial No. 423,326; published Mar. 26, 1940. Class 35.
Barkin, Levin & Co., Inc., New York, N. Y. Coats, suits, skirts, etc. 378,276; June 4; Serial No. 426,725; published Mar. 26, 1940. Class 39.
Barrell, William L., Company, Inc., New York, N. Y. Cotton piece goods. 378,318; June 4; Serial No. 427,493; published Mar. 26, 1940. Class 42.
Bayer, Pretzfelder & Mills, Inc., New York, N. Y. Watches. 378,329; June 4; Serial No. 427,653; published Mar. 26, 1940. Class 27.
Belk Brothers Company, Charlotte, N. C. Sheets. 378,322; June 4; Serial No. 427,524; published Mar. 26, 1940. Class 42.
Benjamin, W. R., Co., Granite City, Ill. Construction toy. 378,361; June 4; Serial No. 428,349; published Mar. 26, 1940. Class 22.
Benson and Hedges, New York, N. Y. Cigarettes. 378,340; June 4; Serial No. 427,832; published Mar. 26, 1940. Class 17.
Bersted Manufacturing Company, Fostoria, Ohio. Vibrators and hair driers. 378,343; June 4; Serial No. 427,872; published Mar. 26, 1940. Class 44.
Best & Co. Inc., New York, N. Y. Pocketbooks and handbags. 378,286; June 4; Serial No. 426,597; published Mar. 12, 1940. Class 3.
Blanke-Baer Extract & Preserving Co., St. Louis, Mo. Preserved fruit mixtures. 378,271; June 4; Serial No. 426,685; published Mar. 26, 1940. Class 46.
Blankinship, John S., Lynchburg, Pa. Furniture. 130,155; renewed Apr. 13, 1940.
Blue Ridge Glass Corporation, Kingsport, Tenn. Glass 378,330; June 4; Serial No. 427,697; published Mar. 26, 1940. Class 33.
Bondact, Kansas City, Mo. Compressed air equipment comprising conduits for materials and mixing nozzle, and parts thereof. 378,263; June 4; Serial No. 425,910; published Mar. 26, 1940. Class 23.
Bonita Packing Co., Guadalupe, Calif. Fresh vegetables. 378,295; June 4; Serial No. 427,066; published Mar. 26, 1940. Class 46.
Bradley Knitting Company, Delavan, Wis. Knitted clothing. 378,243; June 4; Serial No. 421,023; published Mar. 26, 1940. Class 39.
Bradley, Milton, Company, Springfield, Mass. Board game. 378,299; June 4; Serial No. 427,190; published Mar. 26, 1940. Class 22.
Bradley, Milton, Company, Springfield, Mass. Board game. 378,353–4; June 4; Serial Nos. 428,102–3; published Mar. 26, 1940. Class 22.
Brandt, Irving, & Co., Chicago, Ill. Trouser braces. 378,310; June 4; Serial No. 427,361; published Mar. 26, 1940. Class 39.
Brill, J. G., Company, The, Philadelphia, Pa. Cars and car-trucks. 135,201; renewed Sept 28, 1940.
Brownie Knitting Mills. (See Freeman, Philip.)

Burgess Battery Company, Madison, Wis., assignor to Burgess Battery Company, Chicago, Ill. Electric batteries. 134,605; renewed Sept. 14, 1940.

Caled Products Company, Inc., Brentwood, Md. Detergents. 378,349–50; June 4; Serial Nos. 428,017–18; published Mar. 19, 1940. Class 4.

California Cosmetics Corporation, Los Angeles, Calif. Dry cleaner stick. 378,347; June 4; Serial No. 427,961; published Mar. 26, 1940. Class 4.

California Sanitary Canning Co., to California Sanitary Canning Co., Ltd., Los Angeles, Calif., successor. Canned fruits. 130,274; renewed Apr. 20, 1940.

Carnation Company, Wilmington, Del.; Milwaukee and Oconomowoc, Wis.; and Seattle, Wash. Ice cream. 378,236; June 4; Serial No. 420,448; published Sept. 26, 1939. Class 46.

Carnation Company, Wilmington, Del.; Milwaukee and Oconomowoc, Wis.; and Seattle, Wash. Chocolate flavored milk. 378,323; June 4; Serial No. 427,528; published Mar. 26, 1940. Class 46.

Carnation Milk Products Company, Portland, Maine, and Seattle, Wash., assignor to Carnation Company, Wilmington, Del., Milwaukee, Wis., and Seattle, Wash. Milk-chocolate. 135,209; renewed Sept. 28, 1940.

Celestin, Ltd., San Francisco, Calif. Rum. 378,348; June 4; Serial No. 427,962; published Mar. 26, 1940. Class 49.

Celotex Corporation, The. (See American Gypsum Company, The, assignor.)

Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Electric lighting fixtures. 378,268; June 4; Serial No. 426,435; published Mar. 26, 1940. Class 21.

Chicago Mill and Lumber Company, assignor to Chicago Mill and Lumber Company, Chicago, Ill. Printed monthly magazine. 135,944; renewed Oct. 26, 1940.

Chuck's Sea Food Company. (See Coatney, Clarence M.)

Clack, H. Earl, Company, Havre, Mont. Gasolene. 135,415; renewed Oct. 12, 1940.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars, outer skirts and underwear. 378,331; June 4; Serial No. 427,699; published Mar. 26, 1940. Class 39.

Coatney, Clarence M., doing business as Chuck's Sea Food Company, Tolono, Ill. Prepared batter. 378,300; June 4; Serial No. 427,193; published Mar. 26, 1940. Class 46.

College Park Sweater and Underwear Co. (See Snyder, Paul.)

Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Cotton pile fabrics in the piece. 378,362; June 4; Serial No. 428,352; published Mar. 26, 1940. Class 42.

Constance Fabrics Corp., New York, N. Y. Textile fabrics in the piece. 378,351; June 4; Serial No. 428,020; published Mar. 26, 1940. Class 42.

Corning Glass Works, assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y. Glass. 131,970; renewed June 8, 1940.

Corning Glass Works, assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y. Cut glass and artistic glassware. 132,339–40; renewed June 22, 1940.

Cream of Wheat Corporation, The, Minneapolis, Minn. Wheat breakfast food. 378,247; June 4; Serial No. 423,695; published Mar. 26, 1940. Class 46.

Crown Cork & Seal Company, Inc., Baltimore, Md. Jar rings. 378,366; June 4; Serial No. 428,541; published Mar. 26, 1940. Class 35.

D'Arrigo Bros. Company, San Jose, Calif. Fresh vegetables. 378,337; June 4; Serial No. 427,793; published Mar. 26, 1940. Class 46.

Day, J. H., Company, The, Cincinnati, Ohio. Power driven screens. 378,309; June 4; Serial No. 427,337; published Mar. 26, 1940. Class 23.

Decker, Jacob E., & Sons, Mason City, Iowa, assignor to Armour and Company, Chicago, Ill. Hams, bacon, picnic-hams. 133,950; renewed Aug. 10, 1940.

Dentists' Supply Company of New York, The, New York, N. Y. Artificial teeth. 378,229; June 4; Serial No. 416,317; published Mar. 26, 1940. Class 44.

Des Moines Oat Products Company, Des Moines, Iowa. Live stock feed. 378,272; June 4; Serial No. 426,690; published Mar. 26, 1940. Class 46.

Detroit Suspender & Belt Company. (See Ziff, Joseph, assignor.)

Dietrich & Gambrill, Inc., Frederick, Md. Dog food. 378,311; June 4; Serial No. 427,367; published Mar. 26, 1940. Class 46.

Distilled Liquors Corporation, New York, N. Y. Whiskey, gin, rum, etc. 378,368; June 4; Serial No. 428,684; published Mar. 26, 1940. Class 49.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Cellulose acetate film, cellulose sponges, ceramic clays. 378,328; June 4; Serial No. 427,623; published Mar. 26, 1940. Class 1.

Du-Repel Corporation, Indianapolis, Ind. Spacebands. 378,305; June 4; Serial No. 427,278; published Mar. 26, 1940. Class 23.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic cameras. 378,352; June 4; Serial No. 428,069; published Mar. 26, 1940. Class 26.

Eastman Kodak Company, Rochester, N. Y. Carrying cases for photographic projection apparatus. 378,285; June 4; Serial No. 427,015; published Mar. 26, 1940. Class 26.

Easton Potato Chip Co. (See Schutt, George E.)

Edelman, Herbert, New York, N. Y. Dresses. 378,316; June 4; Serial No. 427,463; published Mar. 26, 1940. Class 39.

Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Industrial electric vacuum cleaners and parts thereof. 378,237; June 4; Serial No. 420,477; published Mar. 26, 1940. Class 21.

Electro Silicon Co., The, New York, N. Y. Preparation for cleaning and polishing metals and glass. 131,100; renewed May 4, 1940.

Everseal Manufacturing Co. Inc. (See Greenstein, Rudolph, assignor.)

Feigenspan, Christian, Brewing Co., Newark, N. J. Beer, ale, porter, etc. 378,249; June 4; Serial No. 424,761; published Mar. 26, 1940. Class 48.

Firestone Tire & Rubber Company, The, Akron, Ohio. Bicycles and structural parts thereof. 378,238; June 4; Serial No. 420,483; published Mar. 26, 1940. Class 19.

Firestone Tire & Rubber Company, The, Akron, Ohio. Bicycles and structural parts thereof. 378,239; June 4; Serial No. 420,558; published Mar. 26, 1940. Class 19.

Firestone Tire & Rubber Company, The, Akron, Ohio. Bicycles and structural parts thereof. 378,240–2; June 4; Serial Nos. 420,560–2; published Mar. 26, 1940. Class 19.

Forsberg Manufacturing Co., The, Bridgeport, Conn. Hack saw blades. 378,283; June 4; Serial No. 426,941; published Mar. 26, 1940. Class 23.

Fox, Isidor, doing business as Fox Clothes Shop, New York, N. Y. Suits, topcoats, overcoats, etc. 378,344; June 4; Serial No. 427,934; published Mar. 26, 1940. Class 39.

Franklin Baker Company, The, Philadelphia, Pa., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Packaged grated and shredded cocoanut. 132,682; renewed June 29, 1940.

Freeman, Philip, doing business as Brownie Knitting Mills, New York, N. Y. Sweaters and slip-ons. 378,233; June 4; Serial No. 418,042; published Mar. 26, 1940. Class 39.

Galveston-Houston Breweries, Inc. (See Southern Beverage Company, assignor.)

Garfinkel, Frank, doing business as Garfo Chemical Co., New York, N. Y. Laxative candy. 134,953; renewed Sept. 21, 1940.

Garfo Chemical Co. (See Garfinkel, Frank.)

Gemex Company, Newark, N. J. Watch bracelets, scarf pins, finger rings, etc. 378,374; June 4. Class 28.

General Foods Corporation. (See Franklin Baker Company, The, assignor.)

General Foods Corporation. (See Postum Cereal Company, Inc., assignor.)

Globe Bottling Company. (See Kanner, Abe.)

Glovers (Thread Coverers) Limited, Nottingham, England. Yarn. 378,269; June 4; Serial No. 426,446; published Mar. 19, 1940. Class 43.

Gluck & Cohen, New York, N. Y. Manufactured ladies' slips. 378,379; June 4. Class 39.

Goffinet, Clarence V., doing business as Standard Vanilla Company, Los Angeles, Calif. Vanilla flavoring. 378,296; June 4; Serial No. 427,074; published Mar. 26, 1940. Class 46.

Goodrich Electric Company, Chicago, Ill. Unitary electric lighting fixtures. 378,289–90; June 4; Serial Nos. 427,023–4; published Mar. 26, 1940. Class 21.

Goodrich Electric Company, Chicago, Ill. Unitary electric lighting fixtures. 378,291; June 4; Serial No. 427,026; published Mar. 26, 1940. Class 21.

Goodrich Electric Company, Chicago, Ill. Unitary electric lighting fixtures. 378,292; June 4; Serial No 427,028; published Mar. 26, 1940. Class 21.

Goodrich Electric Company, Chicago, Ill. Unitary electric lighting fixtures. 378,293; June 4; Serial No. 427,031; published Mar. 26, 1940. Class 21.

Grand Rapids Chair Company, Grand Rapids, Mich. Dining room tables, chairs, corner cabinets, etc. 378,341; June 4; Serial No. 427,842; published Mar. 26, 1940. Class 32.

Greenstein, Rudolph, assignor to Everseal Manufacturing Co. Inc., New York, N. Y. Roofing-cement. 132,693; renewed June 29, 1940.

Gross, A., Candle Co., Inc., Baltimore, Md. Candles. 378,375; June 4. Class 15.

Gross Egg Company, Chicago, Ill. Canned Eggs. 378,273; June 4; Serial No. 426,694; published Mar. 26, 1940. Class 46.

Grosvenor, C. A., Shoe Co., Worcester, Mass. Boots and shoes. 378,345; June 4; Serial No. 427,940; published Mar. 26, 1940. Class 39.

Habow Chemicals, Inc., Conover, N. C. Jelly soap, soap powder, sweeping compound, etc. 378,250; June 4; Serial No. 424,805; published Mar. 26, 1940. Class 4.

Hagley, Olive L., doing business as Hagley Candy Company, Chicago, Ill. Candies. 378,264; June 4; Serial No. 425,960; published Mar. 26, 1940. Class 46.

Hardin Chemical Company, Inc., New York, N. Y. Dry cleaning soap powder. 378,287; June 4; Serial No. 426,618; published Mar. 26, 1940. Class 4.

Harvey's Fresh Frozen Foods, San Mateo, Calif. Food products. 378,380; June 4. Class 46.

Health-Mor Sanitation Systems, Inc., Chicago, Ill. Electrical suction cleaners and attachments. 378,297; June 4; Serial No. 427,076; published Mar. 26, 1940. Class 21.

Hecker Products Corporation, New York, N. Y. Shoe polish. 378,232; June 4; Serial No. 417,689; published Sept. 12, 1939. Class 4.

Hefley, Chas., doing business as Charles Hefley Popcorn Products, Los Angeles, Calif. Buttered popped popcorn. 378,370; June 4. Class 46.

Hillshire Down. (See Baldwin, Marion E.)

Hilts-Willard Glove Corporation, Gloversville, N. Y. Gloves and mittens. 378,267; June 4; Serial No. 426,257; published Mar. 26, 1940. Class 39.

Hoberg, John, Company, The, assignor to Hoberg Paper Mills Inc., Green Bay, Wis. Toilet-paper, paper napkins, paper towels, etc. 135,696; renewed Oct. 19, 1940.

Holophane Company, Inc., New York, N. Y. Glass and combination glass and metal globes and reflectors. 378,308; June 4; Serial No. 427,302; published Mar. 26, 1940. Class 34.

Horner, Earl B., doing business as Stonewall Springs Bottling Company, Burlington, N. C. Ginger ale and sparkling lithiated soda water. 378,363; June 4; Serial No. 428,355; published Mar. 26, 1940. Class 45.

Horton Manufacturing Company, The, Bristol, Conn. Fishing lines. 135,462; renewed Oct. 12, 1940.

Hotchkiss, E. H., Company, The, Norwalk, Conn. Stapling pliers. 378,219; June 4; Serial No. 395,712; published Nov. 16, 1937. Class 37.

Howaco Products, Inc., Taunton, Mass. Vests. 378,265; June 4; Serial No. 425,962; published Mar. 26, 1940. Class 39.

Huggins Candy Company, Nashville, Tenn. Candy. 135,706; renewed Oct. 19, 1940.

Irwin, Maude L., doing business as Molly O Washboard Co., Alameda, Calif. Washboard. 378,277; June 4; Serial No. 426,732; published Mar. 19, 1940. Class 24.

Johnson, Carlyle, Machine Company, The, Manchester, Conn. Clutches. 378,284; June 4; Serial No. 427,008; published Mar. 26, 1940. Class 23.

Kanner, Abe, doing business as Globe Bottling Company, Los Angeles, Calif. Canned evaporated milk, salmon, etc.; canned sauerkraut juice, and bottled catsup, etc. 378,369; June 4. Class 46.

Kenneth, Malcolm, Co., Boston, Mass. Men's overcoats and top coats. 378,223; June 4; Serial No. 401,899; published June 21, 1938. Class 39.

Keokuk Steel Casting Company, Keokuk, Iowa. Rough metal castings and forgings. 378,288; June 4; Serial No. 426,651; published Mar. 26, 1940. Class 14.

Lamont, Corliss & Company, New York, N. Y. Chocolate. 378,301; June 4; Serial No. 427,204; published Mar. 26, 1940. Class 46.

Lehn & Fink Products Corporation, Bloomfield, N. J. Soap. 378,319; June 4; Serial No. 427,507; published Mar. 19, 1940. Class 4.

Liebich, G. J., Co., Chicago, Ill. Paints and painters' materials. 131,533; renewed May 18, 1940.

Lifetime Products Corporation, Los Angeles, Calif. Venetian blinds, Venetian blind slats, Venetian blind accessories, etc. 378,274; June 4; Serial No. 426,702; published Mar. 26, 1940. Class 32.

Linkman, M., & Company, Chicago, Ill. Smoking pipes. 378,326; June 4; Serial No. 427,587; published Mar. 26, 1940. Class 8.

Liquor Products Company. (See Yantic Grain & Products Company.)

Logan, George M., Jr., New York, N. Y. Handkerchiefs. 378,357; June 4; Serial No. 428,241; published Mar. 26, 1940. Class 39.

Loma Linda Food Company, Arlington, Calif. Sandwich spread; coffee substitute; canned vegetables, etc. 378,372; June 4. Class 46.

Lord & Taylor, New York, N. Y. Shoes. 135,271; renewed Sept. 28, 1940.

Louden Machinery Company, The, Fairfield, Iowa. Tractors. 378,234; June 4; Serial No. 419,924; published Mar. 26, 1940. Class 23.

Love, Joseph, Inc., New York, N. Y. Dresses. 378,312; June 4; Serial No. 427,370; published Mar. 26, 1940. Class 39.

Lundborg Company, The, New York, N. Y., assignor, by mesne assignments, to Admiracion Laboratories, Inc., Harrison, N. J. Perfume, toilet water, face-powder, etc. 131,541; renewed May 18, 1940.

Magnolia Metal Company, Elizabeth, N. J. Machinery bearings and bushings. 378,303; June 4; Serial No. 427,252; published Mar. 26, 1940. Class 23.

Magnolia Petroleum Company, assignor, by mesne assignments, to Magnolia Petroleum Company, Dallas, Tex. Lubricating-oils. 135,279; renewed Sept. 28, 1940.

Maling Brothers, Inc., Chicago, Ill. Hosiery. 378,346; June 4; Serial No. 427,988; published Mar. 26, 1940. Class 39.

Manfield Handkerchief Company. (See Rosen, Max J.)

Marinette Knitting Mills, New York, N. Y. Men's, women's, and children's suits and sweaters, and ladies' and misses' dresses, skirts, etc. 378,385; June 4. Class 39.

Marshall Field & Company, Chicago, Ill. Carpeting and rugs. 378,381; June 4. Class 42.

Marshall Wells Company, Duluth, Minn. Laundry washing machines. 378,244; June 4; Serial No. 422,822; published Mar. 19, 1940. Class 24.

Marvlo Mills, Inc., New York, N. Y. Piece goods. 378,327; June 4; Serial No. 427,588; published Mar. 26, 1940. Class 42.

Massasoit Manufacturing Company, Fall River, Mass., assignor, by mesne assignments, to Massasoit Company, New York, N. Y. Mops. 135,487; renewed Oct. 12, 1940.

Mayer, Oscar, & Co., Chicago, Ill. Meats. 378,252; June 4; Serial No. 425,005; published Mar. 26, 1940. Class 46.

Mayer, Oscar, & Co., Chicago, Ill. Meats. 378,257–60; June 4; Serial Nos. 425,745–8; published Mar. 26, 1940. Class 46.

Mayer, Oscar, & Co., Chicago, Ill. Meats. 378,261; June 4; Serial No. 425,750; published Mar. 26, 1940. Class 46.

McCormick & Co., Incorporated, Baltimore, Md. Spices, extracts, and flavors. 130,803; renewed May 4, 1940.

McKelvy, Alfred D., doing business as Alfred D. McKelvy Company, Minneapolis, Minn. Shaving soap and toilet soap. 378,358; June 4; Serial No. 428,244; published Mar. 26, 1940. Class 4.

Mello-Joy Coffee Co., Lafayette, La. Coffee. 378,279; June 4; Serial No. 426,776; published Mar. 26, 1940. Class 46.

Miller, Frank, & Sons, Chicago, Ill. Compounds for absorbing dust on floors. 378,376; June 4. Class 4.

Minneapolis Knitting Works, Minneapolis, Minn. Underwear, polo shirts, and pajamas. 378,254; June 4; Serial No. 425,480; published Mar. 26, 1940. Class 39.

Molly O Washboard Co. (See Irwin, Maude L.)

Monarch Manufacturing Company, Atlanta, Ga., assignor to The Red Fox Ginger Ale Co., Providence, R. I. Beverages, and sirups and extracts for making the same. 378,248; June 4; Serial No. 424,734; published Feb. 20, 1940. Class 45.

National Biscuit Company, New York, N. Y. Bakery products. 378,220; June 4; Serial No. 396,996; published Mar. 26, 1940. Class 46.

New England Grain Products Co. (See St. Albans Grain Company, assignor.)

Niles-Bement-Pond Company. (See Pratt & Whitney Company, assignor.)

Nordell's, Inc., Miami and Miami Beach, Fla. Hats for women. 378,320; June 4; Serial No. 427,517; published Mar. 26, 1940. Class 39.

Northwest Paper Company, Cloquet, Minn. Paper. 378,221–2; June 4; Serial Nos. 399,464–5; published Mar. 26, 1940. Class 37.

Nouvelle Fabrique Election, Societe Anonyme. (See Société Anonyme Les fils de L. Braunschweig, Fabrique Election.)

Oakite Products, Inc. (See Oakley Chemical Co., assignor.)

Oakley Chemical Co., assignor to Oakite Products, Inc., New York, N. Y. Granulated chemical cleaning compounds. 134,754; renewed Sept. 14, 1940.

Oakley Chemical Co., assignor to Oakite Products, Inc., New York, N. Y. Soap. 135,502; renewed Oct. 12, 1940.

Orange-Crush Company, Chicago, Ill. Maltless beverages and concentrates and compounds for making the same. 378,224; June 4; Serial No. 408,129; published June 27, 1939. Class 45.

Orange Smile Sirup Company, The, doing business as The Smile Sirup Company, St. Louis, Mo. Maltless syrup concentrate. 378,367; June 4; Serial No. 428,559; published Mar. 26, 1940. Class 45.

Pabst Brewing Company, Peoria Heights, Ill. Beer. 378,253; June 4; Serial No. 425,094; published Mar. 26, 1940. Class 48.

Paragon Insulating Co., The, Cleveland, Ohio. Materials used to aid in the process of soldering. 135,768; renewed Oct. 19, 1940.

Parisian Mfg Company, to Parisian Manufacturing Co., Inc., Philadelphia, Pa., successor. Hair-wavers. 131,206; renewed May 4, 1940.

Perkins Dry Goods Company, Dallas, Tex. Work-clothing for men and boys. 131,209; renewed May 4, 1940.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 378,235; June 4; Serial No. 420,022; published Mar. 26, 1940. Class 46.

Postum Cereal Company, Inc., Wilmington, Del., and Battle Creek, Mich., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Cornflour, hominy, corn-grits, etc. 134,267; renewed Aug. 24, 1940.

Potash Company of America, Baltimore, Md.; Atlanta, Ga.; and Carlsbad, N. Mex. Muriate of potash. 378,313; June 4; Serial No. 427,389; published Mar. 26, 1940. Class 10.

Pratt & Whitney Company, New York, N. Y., assignor to Niles-Bement-Pond Company, Hartford, Conn. Dimension-gages and attachments therefor. 130,870; renewed May 4, 1940.

Pruett-Schaffer Chemical Company, Pittsburgh, Pa. Paints, dry colors, asphalt paint, etc. 135,778; renewed Oct. 19, 1940.

RCA Manufacturing Company, Inc. (See Wireless Specialty Apparatus Company, assignor.)

Raleigh Haberdasher, Inc., Washington, D. C. Women's coats, suits, dresses, etc. 378,342; June 4; Serial No. 427,853; published Mar. 26, 1940. Class 39.

Ramirez, Victor M., doing business as V. M. Ramirez y Cia, Mayaguez, P. R. Rum, cognac, brandies, etc. 378,262; June 4; Serial No. 425,754; published Mar. 26, 1940. Class 49.

Rawplug Company, Inc., The, New York, N. Y. Drive masonry expansion anchors. 378,280; June 4; Serial No. 426,817; published Mar. 26, 1940. Class 13.

Red Fox Ginger Ale Co., The. (See Monarch Manufacturing Company, assignor.)

Reinemann, Inc., New York, N. Y. Chillproofing compound for beers and ales. 378,321; June 4; Serial No. 427,559; published Mar. 26, 1940. Class 48.

Rice-Stix Dry Goods Company, St. Louis, Mo. Trunks, traveling-bags, suitcases, etc. 134,780; renewed Sept. 14, 1940.

Richmond Fisheries, Inc., San Francisco, Calif. Fish meal. 378,251; June 4; Serial No. 424,822; published Mar. 26, 1940. Class 46.

Rix Sandpaper Company, Inc., New York, N. Y. Sandpaper. 378,382; June 4. Class 4.

Romance Game Co., Kansas City, Mo. Board game. 378,338; June 4; Serial No. 427,820; published Mar. 26, 1940. Class 22.

Rosen, Max J., doing business as Manfield Handkerchief Company, New York, N. Y. Handkerchiefs. 378,359; June 4; Serial No. 428,257; published Mar. 26, 1940. Class 39.

S. M. A. Corporation. (See Babies Dispensary & Hospital of Cleveland, The, assignor.)

St. Albans Grain Company, St. Albans, Vt., assignor, by mesne assignments, to New England Grain Products Co., Waterville, Maine. Wheat feed and hominy-meal. 135,818; renewed Oct. 19, 1940.

Salmanson & Co., Inc., New York, N. Y. Chairs. 378,314; June 4; Serial No. 427,391; published Mar. 26, 1940. Class 32.

Sanitary Automatic Candy Corporation, New York, N. Y. Vending machine. 378,227; June 4; Serial No. 414,644; published Apr. 11, 1939. Class 23.

Sayles Finishing Plants, Inc., Saylesville, R. I. Piece goods. 378,364; June 4; Serial No. 428,405; published Mar. 26, 1940. Class 42.

Schlumbohm, Peter, New York, N. Y. Combined liquid cooler or warmer and/or mixer or parts thereof. 378,228; June 4; Serial No. 415,683; published Mar. 26, 1940. Class 13.

Schutt, George E., doing business as Easton Potato Chip Co., Easton, Pa. Potato chips. 378,386; June 4. Class 46.

Sherwood Petroleum Corporation, Mitchell, S. Dak. Lubricating oils. 378,371; June 4. Class 15.

Shue, Earl V., Milwaukee, Wis. Game board. 378,281; June 4; Serial No. 426,850; published Mar. 26, 1940. Class 22.

Skilsaw, Incorporated, Chicago, Ill. Floor sanding machines. 378,304; June 4; Serial No. 427,263; published Mar. 26, 1940. Class 23.

Sloane Bros., New York, N. Y. Handbags. 378,307; June 4; Serial No. 427,287; published Mar. 26, 1940. Class 3.

Smile Sirup Company, The. (See Orange Smile Sirup Company, The.)

Smith & Nichols, Incorporated, New York, N. Y., and Boston, Mass., to Smith & Nichols, Inc., New York, N. Y. Paraffin-wax, ozocerite, ceresin, etc. 132,812; renewed June 29, 1940.

Smith & Nichols, Incorporated, New York, N. Y., and Boston, Mass., to Smith & Nichols, Inc., New York, N. Y. Electrical insulating waxes. 134,091; renewed Aug. 10, 1940.

Smith, Landon P., Inc., Irvington, N. J. Apparatus for controlling the electrification of fences and parts therefor. 378,302; June 4; Serial No. 427,211; published Mar. 26, 1940. Class 21.

Snyder, Paul, doing business as College Park Sweater and Underwear Co., Baltimore, Md. Underwear. 378,356; June 4; Serial No. 428,204; published Mar. 26, 1940. Class 39.

Societa Vinicola Torino, Inc., New York, N. Y. Wines. 378,332; June 4; Serial No. 427,726; published Mar. 26, 1940. Class 47.

Société Anonyme Les fils de L. Braunschweig, Fabrique Election, to Nouvelle Fabrique Election, Societe Anonyme, La Chaux-de-Fonds, Switzerland, successor. Watches and parts thereof. 133,042; renewed July 6, 1940.

South Pacific Canning Co., assignor to South Pacific Canning Company, Inc., Long Beach, Calif. Canned fish. 378,256; June 4; Serial No. 425,536; published Mar. 26, 1940. Class 46.

Southern Beverage Company, assignor, by mesne assignments, to Galveston-Houston Breweries, Inc., Galveston, Tex. Non-intoxicating beverage. 133,513; renewed July 27, 1940.

Southern Rice Sales Company, Inc., New York, N. Y. Rice. 378,384; June 4. Class 46.

Sportowne Coat Co. Inc., New York, N. Y. Ladies' and misses' coats and suits. 378,275; June 4; Serial No. 426,715; published Mar. 26, 1940. Class 39.

Standard Brands Incorporated. (See Whittier, Charles T., assignor.)

Standard Milling Company, New York, N. Y. Wheat flour. 378,306; June 4; Serial No. 427,288; published Mar. 26, 1940. Class 46.

Standard Vanilla Company. (See Goffinet, Clarence V.)

Starr, Lillie B., New York, N. Y. Nurses' and maids' uniforms and dresses. 378,315; June 4; Serial No. 427,446; published Mar. 26, 1940. Class 39.

Sterlick Company, Inc., The, New York, N. Y. Sanitary napkins. 378,373; June 4. Class 44.

Stonewall Springs Bottling Company. (See Horner, Earl B.)

Terry Candy Company, Inc., Elizabeth, N. J. Candies. 378,336; June 4; Serial No. 427,780; published Mar. 26, 1940. Class 46.

Tolerton & Warfield Co., Sioux City, Iowa. Foods. 130,239; renewed Apr. 13, 1940.

Tolerton & Warfield Co., Sioux City, Iowa. Rice, pickles, and olives. 130,424; renewed Apr. 20, 1040.

United Drug Company, assignor to United Drug Company, Boston, Mass. Dental, medical, and surgical appliances. 133,068; renewed July 6, 1940.

United Drug Company, assignor to United Drug Company, Boston, Mass. Candy. 133,853; renewed Aug. 3, 1940.

United Drug Company, assignor to United Drug Company, Boston, Mass. Liquid chemical preparation for polishing silverware. 134,111; renewed Aug. 10, 1940.

United Drug Company, assignor to United Drug Company, Boston, Mass. Toilet sets mounted in or plated with precious metal. 134,112; renewed Aug. 10, 1940.

United Drug Company, assignor to United Drug Company, Boston, Mass. Infants' foods, condensed milk, sugar of milk, etc. 134,113; renewed Aug. 10, 1940.

United Drug Company, assignor to United Drug Company, Boston, Mass. Chemicals, medicines, and pharmaceutical preparations. 134,548; renewed Sept. 7, 1940.

United Drug Company, assignor to United Drug Company, Boston, Mass. Smoking-tobacco. 134,834; renewed Sept. 14, 1940.

United Drug Company, assignor to United Drug Company, Boston, Mass. Preparation having deodorant antiseptic, and perspiration-absorbent properties. 134,835; renewed Sept. 14, 1940.

U. S. School of Music, New York, N. Y. Phonograph records. 378,266; June 4; Serial No. 426,013; published Mar. 26, 1940. Class 36.

Universal Camera Corporation, New York, N. Y. Cameras. 378,225; June 4; Serial No. 408,137; published Mar. 26, 1940. Class 26.

Utica Knitting Company, Utica, N. Y. Underwear, swim trunks, sweaters, etc. 378,282; June 4; Serial No. 426,916; published Mar. 26, 1940. Class 39.

Vandam, Albert H., Co., Inc., New York, N. Y. Cotton piece goods. 378,360; June 4; Serial No. 428,296; published Mar. 26, 1940. Class 42.

Waltham Watch Company, Waltham, Mass. Watches, watch cases, and watch movements. 378,339; June 4; Serial No. 427,825; published Mar. 26, 1940. Class 27.

Warren Tool and Forge Company, The, Warren, assignor, by mesne assignments, to Warren Tool Corporation, Howland, Ohio. Tools. 134,201; renewed Aug. 17, 1940.

Weis, Henry, Manufacturing Company, Kansas City, Mo., and Atchison, Kans., to Henry Weis Manufacturing Company, Inc., Elkhart, Ind., successor. Metal partitions. 128,200; renewed Dec. 23, 1939.

Welsh Manufacturing Company, Providence, R. I. Glass shields. 378,355; June 4; Serial No. 428,181; published Mar. 26, 1940. Class 26.

Western Auto Supply Company, Los Angeles, Calif. Laundry washing machines. 378,278; June 4; Serial No. 426,745; published Mar. 12, 1940. Class 24.

White, Morris, Fashions, Inc., New York, N. Y. Handbags. 378,298; June 4; Serial No. 427,164; published Mar. 19, 1940. Class 3.

Whitehead Metal Products Company, Inc., New York, N. Y. Hot water tanks and hot water storage systems. 378,324; June 4; Serial No. 427,563; published Mar. 26, 1940. Class 34.

Whittier, Charles T., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Cornstarch. 135,855; renewed Oct. 19, 1940.

Winer-Dickson, Inc., New York, N. Y. Men's, women's, and children's clothing. 378,226; June 4; Serial No. 413,660; published Mar. 26, 1940. Class 39.

Wireless Specialty Apparatus Company, New York, N. Y., and Boston, Mass., assignor, by mesne assignments, to RCA Manufacturing Company, Inc., Camden, N. J. Condensers. 131,676, renewed May 18, 1940.

Wohl Shoe Company, St. Louis, Mo. Shoes. 378,294; June 4; Serial No. 427,054; published Mar. 26, 1940. Class 39.

Woldert Peanut Products Co., to Alex Woldert Company, Tyler, Tex., successor. Peanut-butter. 134,142; renewed Aug. 10, 1940.

Wood, Joseph T., Co., Ware, Mass. Skating outfits. 378,245; June 4; Serial No. 423,041; published Mar. 26, 1940. Class 22.

Yantic Grain & Products Company, The, doing business as Liquor Products Company, New Haven, Conn. Whiskey. 378,333; June 4; Serial No. 427,734; published Mar. 26, 1940. Class 49.

Yantic Grain & Products Company, The, doing business as Liquor Products Company, New Haven, Conn. Whiskey. 378,334; June 4; Serial No. 427,736; published Mar. 26, 1940. Class 49.

Yantic Grain & Products Company, The, doing business as Liquor Products Company, New Haven, Conn. whiskey. 378,335; June 4; Serial No. 427,738; published Mar. 26, 1940. Class 49.

Ziff, Joseph, assignor to Detroit Suspender & Belt Company, Detroit, Mich. Suspenders and men's garters. 131,008; renewed May 4, 1940.

Zook Tire Company, The, Pueblo, Colo. Pneumatic tires. 378,317; June 4; Serial No. 427,489; published Mar. 26, 1940. Class 35.

LIST OF REGISTRANTS OF LABELS

Arlington Laboratories. (See Maffey, Philip J.)

Banquet Baking Company, doing business as Banquet Baking Co., Rock Island, Ill. Banquet Bread. For Bread. 54,859; June 4.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut. For Macaroni Elbows. 54,860; June 4.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut. For Cooked Spaghetti. 54,861; June 4.

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Drisorbene A Dry, Absorbent Cleaner Harmless to All Fabrics. For a Dry Absorbent Cleaner. 54,862; June 4.

Cannon Shoe Company, Baltimore, Md. Glamour Girl. For Hosiery. 54,863; June 4.

Clyman Canning Company, Inc., Hartford, Wis. Ree-Lee. For Canned Green Peas. 54,864; June 4.

Croce, F. D., & Co., Inc., New York, N. Y. Tomatoes Healthful. For Tomatoes. 54,865; June 4.

Davol Rubber Company, Providence, R. I. Davol "Anti-Colic" Brand Nipples Sani-Tab. For Nipples. 54,866; June 4.

Davol Rubber Company, Providence, R. I. Davol "Anti-Colic" Brand Nipples. For Nipples. 54,867; June 4.

Eastern Yarn Mills, Inc., New York, N. Y. Original Yarn Fabric Ponjette Crush Proof. For Yarn Fabrics. 54,868; June 4.

Evans, Albert R., Dayton, Ohio. Spearmenthol. For Cough Drops. 54,869; June 4.

Ferrara, John, doing business as Flavorite Coffee Service, Brooklyn, N. Y. "As You Like It" Flavorite Coffee. For Coffee. 54,870; June 4.

Filler Corn Chip Company, Cincinnati, Ohio. Filler's Corn-Chips. For Corn Chips. 54,871; June 4.

Flavorite Coffee Service. (See Ferrara, John.)

Gaines Food Co. Inc., Sherburne, N. Y. Gaines Dog Meal. For Dog Meal. 54,872; June 4.

Gaines Food Co. Inc., Sherburne, N. Y. Gaines Dog Kruncheon. For a Dog Food. 54,873; June 4.

Gallagher & Gallagher, Austin, Tex. Waxit. For Liquefied Wax. 54,874; June 4.

General Mills, Inc., Minneapolis, Minn. Kix. For Breakfast Cereal. 54,875; June 4.

Glenn Laboratories, Inc., doing business as Glen Products Company, Hoboken, N. J. Glenn Facial Emulsion. For a Facial Emulsion. 54,876; June 4.

Helleman, G., Brewing Co., La Crosse, Wis. Old Style Lager. For an Advertising Novelty. 54,877; June 4.

Honokaa Sugar Company, Honokaa, Hamakua, Hawaii. Macadamia Nuts. For Macadamia Nuts. 54,878; June 4.

Klearflax Linen Looms, Inc., The, Duluth, Minn. "Palm Springs". For Rugs. 54,879; June 4.

Lift Beverage Company, Philadelphia, Pa. Lift. For a Tonic. 54,880; June 4.

Maffey, Philip J., doing business as Arlington Laboratories, Arlington, N. J. Ivolene. For a Lotion Used as an Aid in Relief of Poison Oak and Poison Ivy. 54,881; June 4.

Maffey, Philip J., doing business as Arlington Laboratories, Arlington, N. J. Tolucol. For Specially Flavored Syrup Prepared Especially for Use in Pediatries. 54,882; June 4.

Mead Johnson & Company, Evansville, Ind. Amigen. For a Dried Enzymic Hydrolysate of Purified Casein. 54,883; June 4.

Meyer's, Philadelphia, Pa. Golden Boy Clothes. For Boys' Clothes. 54,884; June 4.

Meyer's, Philadelphia, Pa. Golden Girl Clothes. For Girls' Clothes. 54,885; June 4.

Ponte, Ralph, doing business as Ralph's Chemical Co., Philadelphia, Pa. Ralph's. For a Household Cleaner, Disinfectant and Bleach. 54,886; June 4.

Root, A. I., Company, The, Medina, Ohio. Animal Letters For Animal Letters. 54,887; June 4.

Root, A. I., Company, The, Medina, Ohio. Educational Letters. For Educational Letters. 54,888; June 4.

Root, A. I., Company, The, Medina, Ohio. Magic Blackboard. For Blackboards. 54,889; June 4.

Root, A. I., Company, The, Medina, Ohio. Root Mak-A-Kit Airplane. For Toy Airplane Kits. 54,890; June 4.

Root, A. I., Company, The, Medina, Ohio. Root Mak-A-Kit Dump Truck. For Toy Dump Truck Kits. 54,891; June 4.

Root, A. I., Company, The, Medina, Ohio. Root Mak-A-Kit Steam Shovel. For Toy Steam Shovel Kits. 54,892; June 4.

Root, A. I., Company, The, Medina, Ohio. Tee-Gee Blocks. For Toy Blocks. 54,893; June 4.

S. O. S. Company, The, Chicago, Ill. S. O. S. Magic Scouring Pads. For Scouring Pads. 54,894; June 4.

Shuttleworth, Frank, Vineland, N. J. The Only Tooth Brush Holder. For Tubes for Holding Tooth-Brushes. 54,895; June 4.

Sno-White Beverage Company, Los Angeles, Calif. Sno-White Soda. For a Soda Drink. 54,896; June 4.

Standard Brands Incorporated, New York, N. Y. Pledge. For Tea Bags. 54,897; June 4.

Standard Brands Incorporated, New York, N. Y. Chase & Sanborn Dated. For Coffee (Regular Grind). 54,898; June 4.

Standard Brands Incorporated, New York, N. Y. Chase & Sanborn Dated. For Coffee (Drip Grind). 54,899; June 4.

Standard Brands Incorporated, New York, N. Y. Royal. For Vanilla Pudding. 54,900; June 4.

Standard Brands Incorporated, New York, N. Y. Royal. For Tapioca Pudding (Vanilla Flavor). 54,901; June 4.

Steiner, Frank J., Jr., doing business as Steiner's Egg Noodle Co., New York, N. Y. Steiner's Pure Egg Noodles. For Pure Egg Noodles. 54,902; June 4.

Stephenson Mfg. Co., South Bend, Ind. Pic. Nic. Stic. For Roasting Sticks. 54,903; June 4.

Stroehmann Brothers Company, Harrisburg, Williamsport, Norristown, and Altoona, Pa., and Olena and Waverly, N. Y. Stroehmann's Twisted Sesame Seed Hearth Bread. For Bread. 54,904; June 4.

Stroehmann Brothers Company, Harrisburg, Williamsport, Norristown, and Altoona, Pa., and Olena and Waverly, N. Y. Stroehmann's Vienna Bread. For Bread. 54,905; June 4.

Stroehmann Brothers Company, Harrisburg, Williamsport, Norristown, and Altoona, Pa., and Olena and Waverly, N. Y. Stroehmann's Raisin Bread. For Bread. 54,906; June 4.

Stroehmann Brothers Company, Harrisburg, Williamsport, Norristown, and Altoona, Pa., and Olena and Waverly, N. Y. Stroehmann's Honey Krushed Wheat. For Bread. 54,907; June 4.

Stroehmann Brothers Company, Harrisburg, Williamsport, Norristown, and Altoona, Pa., and Olena and Waverly, N. Y. Stroehmann's Wheat Bread. For Bread. 54,908; June 4.

Stroehmann Brothers Company, Harrisburg, Williamsport, Norristown, and Altoona, Pa., and Olena and Waverly, N. Y. Stroehmann's Rye Bread. For Bread. 54,909; June 4.

Stroehmann Brothers Company, Harrisburg, Williamsport, Norristown, and Altoona, Pa., and Olena and Waverly, N. Y. Stroehmann's 30% Whole Wheat Raisin Bread. For Bread. 54,910; June 4.

U. S. Alaska Herring Co., Inc., Chicago, Ill. Carmel Brand Kosher American Pasteurized Process Cheese. For Pasteurized Process Cheese. 54,911; June 4.

LIST OF REGISTRANTS OF PRINTS

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Drisorbene, a Dry, Absorbent Cleaner Harmless to All Fabrics. For a Dry Absorbent Cleaner. 17,987; June 4.

Brown Clothing Company, Minneapolis, Minn. Brown's Clothing. For Clothing. 17,988; June 4.

Camp, S. H., & Company, Jackson, Mich. How Funny Animals Would Look if They Walked Like Humans. For Supports for Better Posture and Better Appearance. 17,989; June 4.

Camp, S. H., & Company, Jackson, Mich. How Nice Humans Would Look if They Walked Like Animals. For Supports for Better Posture and Better Appearance. 17,990; June 4.

Detective Comics, Inc., New York, N. Y. Robin the Boy Wonder. For a Comic Magazine. 17,991; June 4.

General Mills, Inc., Minneapolis, Minn. Free! Jack Armstrong Sky Ranger. For a Cereal Food. 17,992; June 4.

General Mills, Inc., Minneapolis, Minn. Son, We Know What's Good for Breakfast! For a Cereal Food. 17,993; June 4.

General Mills, Inc., Minneapolis, Minn. Strawberry Chiffon Pie! For Flour. 17,994; June 4.
Gould, Louis, Jackson Heights, N. Y. Tag Them For Good! . . . Greet Them For Good! For Pencils and Tags. 17,995; June 4.
Grewax Co., Chicago, Ill. Yacht Sports Hat. For Sports Hats. 17,996; June 4.
Hampden Brewing Company, Willimansett, Mass. Straight as an Arrow. For Ale and Beer. 17,997. June 4.
Imperial Knife Company, Inc., Providence, R. I. The Modern Jack-Master Pocket Pal Nail File Knife. For Nail File Knives. 17,998; June 4.
McBirney, Nettie, Tulsa, Okla. Aunt Chick's Non-Stick Pastry Kit. For Pastry Kits. 17,999; June 4.
Monarch Life Insurance Company, Springfield, Mass. Property Calculator. For Calculators. 18,000. June 4.
Natural Set Up Sales Corporation, St. Louis, Mo. Lemonade. For Lemonade. 18,001; June 4.
Ralston Purina Company, St. Louis, Mo. Baseball Headquarters: Come In—Get a Baseball Folder That Tells You All About It. For Dog Food. 18,002; June 4.
Ralston Purina Company, St. Louis, Mo. Boys! Girls! Come In—Get a Baseball Folder That Tells You All About It. For a Shredded Cereal. 18,003; June 4.
Seneca Falls Rule & Block Co., Inc., Seneca Falls, N. Y. More Than a Ruler. For Rulers Or Scales. 18,004–6; June 4.
Southern Handkerchief Mfg. Co., Greenville, S. C. National Advertising Campaign All American Handkerchiefs. For Handkerchiefs. 18,007; June 4.
Southern Handkerchief Mfg. Co., Greenville, S. C. We're Telling All America About All American Handkerchiefs. For Handkerchiefs. 18,008; June 4.
Stein Bros., New York, N. Y. Stein's, America's Greatest Clothiers. For Clothing. 18,009; June 4.
Tasty Baking Company, Philadelphia, Pa. Tasty-Pie. For Pie. 18,010; June 4.
Weiss, Walter, doing business as Walter Weiss & Co., New York, N. Y. Birthday Flower Prints. For Handkerchiefs. 18,011; June 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cellulose acetate film, cellulose sponges, ceramic clays. E. I. Du Pont de Nemours and Company. 378,328; June 4; Serial No. 427,623; published Mar. 26, 1940.

CLASS 3

Handbags. Morris White Fashions, Inc. 378,298; June 4; Serial No. 427,164; published Mar. 19, 1940.
Handbags. Sloane Bros. 378,307; June 4; Serial No. 427,287; published Mar. 26, 1940.
Pocketbooks and handbags. Best & Co. Inc. 378,286; June 4; Serial No. 426,597; published Mar. 12, 1940.
Trunks, traveling-bags, suitcases, etc. Rice-Stix Dry Goods Company. 134,780; renewed Sept. 14, 1940.

CLASS 4

Chemical preparation for polishing silverware, Liquid. United Drug Company. 134,111; renewed Aug. 10, 1940.
Cleaner stick, Dry. California Cosmetics Corporation. 378,347; June 4; Serial No. 427,961; published Mar. 26, 1940.
Cleaning compounds, Granulated chemical. Oakley Chemical Co. 134,754; renewed Sept. 14, 1940.
Compounds for absorbing dust on floors. Frank Miller & Sons. 378,376; June 4.
Detergents. Caled Products Company. 378,349–50; June 4; Serial Nos. 428,017–18; published Mar. 19, 1940.
Polish, Shoe. Hecker Products Corporation. 378,232; June 4; Serial No. 417,689; published Sept. 12, 1939.
Preparation for cleaning and polishing metals and glass. Electro Silicon Co. 131,100; renewed May 4, 1940.
Sandpaper. Rix Sandpaper Company. 378,382; June 4.
Soap. Lehn & Fink Products Corporation. 378,319; June 4; Serial No. 427,507; published Mar. 19, 1940.
Soap. Oakley Chemical Co. 135,502; renewed Oct. 12, 1940.
Soap and toilet soap, Shaving. A. D. McKelvy. 378,358; June 4; Serial No. 428,244; published Mar. 26, 1940.
Soap powder, Dry cleaning. Hardin Chemical Company. 378,287; June 4; Serial No. 426,618; published Mar. 26, 1940.
Soap, soap powder, sweeping compound, etc., Jelly. Habow Chemicals, Inc. 378,250; June 4; Serial No. 424,805; published Mar. 26, 1940.
Supplies and accessories for dry cleaning. Band Box Corporation. 378,325; June 4; Serial No. 427,572; published Mar. 19, 1940.

CLASS 6

Chemicals, medicines, and pharmaceutical preparations. United Drug Company. 134,548; renewed Sept. 7, 1940.
Cosmetic preparations. M. E. Baldwin. 378,270; June 4; Serial No. 426,515; published Mar. 26, 1940.
Laxative candy. F. Garfinkel. 134,953; renewed Sept. 21, 1940.
Materials used to aid in the process of soldering. Paragon Insulating Co. 135,768; renewed Oct. 19, 1940.
Perfume, toilet water, face-powder, etc. Lumdborg Company. 131,541; renewed May 18, 1940.
Preparation having deodorant, antiseptic, and perspiration-absorbent properties. United Drug Company. 134,835; renewed Sept. 14, 1940.

CLASS 8

Pipes, Smoking. M. Linkman & Company. 378,326; June 4; Serial No. 427,587; published Mar. 28, 1940.

CLASS 10

Fertilizers. Armour Fertilizer Works. 134,212; renewed Aug. 24, 1940.
Guano. American Agricultural Chemical Co. 131,692; renewed May 25, 1940.
Plant stimulant. American Chemical Paint Company. 378,255; June 4; Serial No. 425,505; published Mar. 19, 1940.
Potash, Muriate of. Potash Company of America. 378,313; June 4; Serial No. 427,389; published Mar. 26, 1940.

CLASS 12

Wall board, aluminum foil insulating board, gypsum lath, etc., Gypsum. American Gypsum Company. 378,218; June 4; Serial No. 370,074; published Dec. 17, 1935.
Cement, Roofing. R. Greenstein. 132,693; renewed June 29, 1940.
Partitions, Metal. Henry Weis Manufacturing Company. 128,200; renewed Dec. 23, 1939.

CLASS 13

Anchors, Drive masonry expansion. Rawplug Company. 378,280; June 4; Serial No. 426,817; published Mar. 26, 1940.
Cooler or warmer and/or mixer or parts thereof, Combined liquid. P. Schlumbohm. 378,228; June 4; Serial No. 415,683; published Mar. 26, 1940.
Valves, glow gun air valves, towing chains, etc., Reducing. American Chain & Cable Company. 378,383; June 4.

CLASS 14

Castings and forgings, Rough metal. Keokuk Steel Casting Company. 378,288; June 4; Serial No. 426,651; published Mar. 26, 1940.

CLASS 15

Candles. A. Gross Candle Co. 378,375; June 4.
Gasolene. H. Earl Clack Company. 135,415; renewed Oct. 12, 1940.
Oils, Lubricating. Magnolia Petroleum Company. 135,279; renewed Sept. 28, 1940.
Oils, Lubricating. Sherwood Petroleum Corporation. 378,371; June 4.
Paraffin-wax, ozocerite, ceresin, etc. Smith & Nichols, Incorporated. 132,812; renewed June 29, 1940.

CLASS 16

Paints and painters' materials. G. J. Liebich Co. 131,533; renewed May 18, 1940.
Paints, dry colors, asphalt paint, etc. Pruett-Schaffer Chemical Company. 135,778; renewed Oct. 19, 1940.

CLASS 17

Cigarettes. Benson and Hedges. 378,340; June 4; Serial No. 427,832; published Mar. 26, 1940.
Tobacco, Smoking. United Drug Company. 134,834; renewed Sept. 14, 1940.

CLASS 19

Bicycles and structural parts thereof. Firestone Tire & Rubber Company. 378,238; June 4; Serial No. 420,483; published Mar. 26, 1940.
Bicycles and structural parts thereof. Firestone Tire & Rubber Company. 378,239; June 4; Serial No. 420,558; published Mar. 26, 1940.
Bicycles and structural parts thereof. Firestone Tire & Rubber Company. 378,240–2; June 4; Serial Nos. 420,560–2; published Mar. 26, 1940.
Cars and car-trucks. J. G. Brill Company. 135,201; renewed Sept. 28, 1940.

CLASS 21

Apparatus for controlling the electrification of fences and parts therefor. Landon P. Smith, Inc. 378,302; June 4; Serial No. 427,211; published Mar. 26, 1940.
Batteries, Electric. Burgess Battery Company. 134,605; renewed Sept. 14, 1940.

Cleaners and attachments, Electrical suction. Health-More Sanitation Systems, Inc. 378,297; June 4; Serial No. 427,076; published Mar. 26, 1940.
Cleaners and parts thereof, Industrial electric vacuum. Electric Vacuum Cleaner Company. 378,237; June 4; Serial No. 420,477; published Mar. 26, 1940.
Condensers. Wireless Specialty Apparatus Company. 131,676; renewed May 18, 1940.
Electrical insulating waxes. Smith & Nichols, Incorporated. 134,091; renewed Aug. 10, 1940.
Lighting fixtures, Electric. Chase Brass & Copper Co. 378,268; June 4; Serial No. 426,435; published Mar. 26, 1940.
Lighting fixtures, Unitary electric. Goodrich Electric Company. 378,289–90; June 4; Serial Nos. 427,023–4; published Mar. 26, 1940.
Lighting fixtures, Unitary electric. Goodrich Electric Company. 378,291; June 4; Serial No. 427,026; published Mar. 26, 1940.
Lighting fixtures, Unitary electric. Goodrich Electric Company. 378,292; June 4; Serial No. 427,028; published Mar. 26, 1940.
Lighting fixtures, Unitary electric. Goodrich Electric Company. 378,293; June 4; Serial No. 427,031; published Mar. 26, 1940.

CLASS 22

Fishing-lines. Horton Manufacturing Company. 135,462; renewed Oct. 12, 1940.
Game, Board. Milton Bradley Company. 378,299; June 4; Serial No. 427,190; published Mar. 26, 1940.
Game, Board. Milton Bradley Company. 378,353–4; June 4; Serial Nos. 428,102–3; published Mar. 26, 1940.
Game, Board. Romance Game Co. 378,338; June 4; Serial No. 427,820; published Mar. 26, 1940.
Game board. E. V. Shue. 378,281; June 4; Serial No. 426,850; published Mar. 26, 1940.
Gymnastic exercise appliances; skis and ski staves and parts thereof, etc. A./B. Bröderna Kjellström. 378,365; June 4; Serial No. 428,450; published Mar. 26, 1940.
Skating outfits. Joseph T. Wood Co. 378,245; June 4; Serial No. 423,041; published Mar. 26, 1940.
Toy, Construction. W. R. Benjamin Co. 378,361; June 4; Serial No. 428,349; published Mar. 26, 1940.

CLASS 23

Bearings and bushings, Machinery. Magnolia Metal Company. 378,303; June 4; Serial No. 427,252; published Mar. 26, 1940.
Blades, Hack saw. Forsberg Manufacturing Co. 378,283; June 4; Serial No. 426,941; published Mar. 26, 1940.
Clutches. Carlyle Johnson Machine Company. 378,284; June 4; Serial No. 427,008; published Mar. 26, 1940.
Comminuting machinery. Allis-Chalmers Manufacturing Company. 130,602; renewed May 4, 1940.
Conduits for materials and mixing nozzle, and parts thereof, Compressed air equipment comprising. Bondact. 378,263; June 4; Serial No. 425,910; published Mar. 26, 1940.
Power driven screens. J. H. Day Company. 378,309; June 4; Serial No. 427,337; published Mar. 26, 1940.
Sanding machines, Floor. Skolsaw, Incorporated. 378,304; June 4; Serial No. 427,263; published Mar. 26, 1940.
Spacebands. Du-Repel Corporation. 378,305; June 4; Serial No. 427,278; published Mar. 26, 1940.
Tools. Warren Tool and Forge Company. 134,201; renewed Aug. 17, 1940.
Tractors. Louden Machinery Company. 378,234; June 4; Serial No. 419,924; published Mar. 26, 1940.
Vending machine. Sanitary Automatic Candy Corporation. 378,227; June 4; Serial No. 414,644; published Apr. 11, 1939.

CLASS 24

Laundry washing machines. Marshall Wells Company. 378,244; June 4; Serial No. 422,822; published Mar. 19, 1940.
Washboard. M. L. Irwin. 378,277; June 4; Serial No. 426,732; published Mar. 19, 1940.
Washing machines, Laundry. Western Auto Supply Company. 378,278; June 4; Serial No. 426,745; published Mar. 12, 1940.

CLASS 26

Cameras. Universal Camera Corporation. 378,225; June 4; Serial No. 408,137; published Mar. 26, 1940.
Cameras. Photographic. Eastman Kodak Company. 378,352; June 4; Serial No. 428,069; published Mar. 26, 1940.
Dimension gages and attachments therefor. Pratt & Whitney Company. 130,870; renewed May 4, 1940.
Shields, Glass. Welsh Manufacturing Company. 378,355; June 4; Serial No. 428,181; published Mar. 26, 1940.
Photographic projection apparatus, Carrying cases for. Eastman Kodak Company. 378,285; June 4; Serial No. 427,015; published Mar. 26, 1940.

CLASS 27

Watches. Bayer, Pretzfelder & Mills, Inc. 378,329; June 4; Serial No. 427,653; published Mar. 26, 1940.
Watches and parts thereof. Société Anonyme Les fils de L. Braunschweig, Fabrique Election. 133,042; renewed July 6, 1940.
Watches, watch cases, and watch movements. Waltham Watch Company. 378,339; June 4; Serial No. 427,825; published Mar. 26, 1940.

CLASS 28

Toilet sets. United Drug Company. 134,112; renewed Aug. 10, 1940.
Watch bracelets, scarf pins, finger rings, etc. Gemex Company. 378,374; June 4.

CLASS 29

Mops. Massasoit Manufacturing Company. 135,487; renewed Oct. 12, 1940.

CLASS 32

Blinds, venetian blind slats, venetian blind accessories, etc., Venetian. Lifetime Products Corporation. 378,274; June 4; Serial No. 426,702; published Mar. 26, 1940.
Chairs. Salmanson & Co. Inc. 378,314; June 4; Serial No. 427,391; published Mar. 26, 1940.
Furniture. J. S. Blankinship. 130,155; renewed Apr. 13, 1940.
Tables, chairs, corner cabinets, etc., Dining room. Grand Rapids Chair Company. 378,341; June 4; Serial No. 427,842; published Mar. 26, 1940.

CLASS 33

Glass. Blue Ridge Glass Corporation. 378,330; June 4; Serial No. 427,697; published Mar. 26, 1940.
Glass. Corning Glass Works. 131,970; renewed June 8, 1940.
Glass and artistic glassware, Cut. Corning Glass Works. 132,339–40; renewed June 22, 1940.

CLASS 34

Globes and reflectors, Glass and combination glass and metal. Holophane Company. 378,308; June 4; Serial No. 427,302; published Mar. 26, 1940.
Tanks and hot water storage systems, Hot water. Whitehead Metal Products Company. 378,324; June 4; Serial No. 427,563; published Mar. 26, 1940.
Torches and lamps, soldering torches, etc., Solid and fluid fuel burning brazing. A/B B. A. Hjorth & Co. 378,230–1; June 4; Serial Nos. 417,678–9; published Mar. 26, 1940.

CLASS 35

Jar rings. Crown Cork & Seal Company. 378,366; June 4; Serial No. 428,541; published Mar. 26, 1940.
Tires and inner tubes, Pneumatic. Banner Tire Company. 378,246; June 4; Serial No. 423,320; published Mar. 26, 1940.
Tires, Pneumatic. Zook Tire Company. 378,317; June 4; Serial No. 427,489; published Mar. 26, 1940.

CLASS 36

Musical-instrument strings. Armour and Company. 134,575–8; renewed Sept. 14, 1940.
Records, Phonograph. U. S. School of Music. 378,266; June 4; Serial No. 426,013; published Mar. 26, 1940.

CLASS 37

Paper. Northwest Paper Company. 378,221–2; June 4; Serial Nos. 390,464–5; published Mar. 26, 1940.
Paper, paper napkins, paper towels, etc., Toilet. John Hoberg Company. 135,696; renewed Oct. 19, 1940.
Pliers, Stapling. E. H. Hotchkiss Company. 378,219; June 4; Serial No. 395,712; published Nov. 16, 1937.

CLASS 38

Magazine, Printed monthly. Chicago Mill and Lumber Company. 135,944; renewed Oct. 26, 1940.
Publication, Magazine. All American Comics, Inc. 378,378; June 4.
Publication, Periodical. American Remount Association. 378,377; June 4.

CLASS 39

Boots and shoes. C. A. Grosvenor Shoe Co. 378,345; June 4; Serial No. 427,940; published Mar. 26, 1940.
Clothing, Knitted. Bradley Knitting Company. 378,243; June 4; Serial No. 421,023; published Mar. 26, 1940.
Clothing, Men's, women's, and children's. Winer-Dickson, Inc. 378,226; June 4; Serial No. 413,660; published Mar. 26, 1940.
Clothing, Work. Perkins Dry Goods Company. 131,209; renewed May 4, 1940.
Coats and suits, Ladies' and misses'. Sportowne Coat Co. Inc. 378,275; June 4; Serial No. 426,715; published Mar. 26, 1940.
Coats, suits, dresses, etc., Women's. Raleigh Haberdasher, Inc. 378,342; June 4; Serial No. 427,853; published Mar. 26, 1940.
Coats, suits, skirts, etc. Barkin, Levin & Co., Inc. 378,276; June 4; Serial No. 426,725; published Mar. 26, 1940.
Collars, outer skirts and underwear. Cluett, Peabody & Co. 378,331; June 4; Serial No. 427,699; published Mar. 26, 1940.
Dresses. R. Edelman. 378,316; June 4; Serial No. 427,463; published Mar. 26, 1940.
Dresses. Joseph Love Inc. 378,312; June 4; Serial No. 427,379; published Mar. 26, 1940.
Gloves and mittens. Hilts-Willard Glove Corporation. 378,267; June 4; Serial No. 426,257; published Mar. 26, 1940.
Handkerchiefs. G. M. Logan, Jr. 378,357; June 4; Serial No. 428,241; published Mar. 26, 1940.

Handkerchiefs. M. J. Rosen. 378,359; June 4; Serial No. 428,257; published Mar. 26, 1940.
Hats for women. Nordell's Inc. 378,320; June 4; Serial No. 427,517; published Mar. 26, 1940.
Hosiery. Maling Brothers, Inc. 378,346; June 4; Serial No. 427,988; published Mar. 26, 1940.
Overcoats and top coats, Men's. Malcolm Kenneth Co. 378,223; June 4; Serial No. 401,899; published June 21, 1938.
Shoes. Lord & Taylor. 135,271; renewed Sept. 28, 1940.
Shoes. Wohl Shoe Company. 378,294; June 4; Serial No. 427,054; published Mar. 26.
Slips, Manufactured Ladies'. Gluck & Cohen. 378,379; June 4.
Suits and sweaters, and ladies' and misses' dresses, skirts, etc., men's women's and children's. Marinette Knitting Mills. 378,385; June 4.
Suits, topcoats, overcoats, etc. I. Fox. 378,344; June 4; Serial No. 427,934; published Mar. 26, 1940.
Suspenders and garters. J. Ziff. 131,008; renewed May 4, 1940.
Sweaters and slip-ons. P. Freeman. 378,233; June 4; Serial No. 418,042; published Mar. 26, 1940.
Trouser braces. Irving Brandt & Co. 378,310; June 4; Serial No. 427,361; published Mar. 26, 1940.
Underwear. P. Snyder. 378,356; June 4; Serial No. 428,204; published Mar. 26, 1940.
Underwear, polo shirts, and pajamas. Minneapolis Knitting Works. 378,254; June 4; Serial No. 425,480; published Mar. 26, 1940.
Underwear, swim trunks, sweaters, etc. Utica Knitting Company. 378,282; June 4; Serial No. 426,916; published Mar. 26, 1940.
Uniforms and dresses, Nurses' and maids'. L. B. Starr. 378,315; June 4; Serial No. 427,446; published Mar. 26, 1940.
Vests. Howaco Products, Inc. 378,265; June 4; Serial No. 425,962; published Mar. 26, 1940.

CLASS 40

Hair-wavers. Parisian Mfg Company. 131,206; renewed May 4, 1940.

CLASS 42

Carpeting and rugs. Marshall Field & Company. 378,381; June 4.
Cotton piece goods. William L. Barrell Company. 378,318; June 4; Serial No. 427,493; published Mar. 26, 1940.
Cotton piece goods. Albert H. Vandam Co. 378,360; June 4; Serial No. 428,296; published Mar. 26, 1940.
Cotton pile fabrics in the piece. Collins & Aikman Corporation. 378,362; June 4; Serial No. 428,352; published Mar. 26, 1940.
Piece goods. Marvlo Mills, Inc. 378,327; June 4; Serial No. 427,588; published Mar. 26, 1940.
Piece goods. Sayles Finishing Plants, Inc. 378,364; June 4; Serial No. 428,405; published Mar. 26, 1940.
Sheets. Belk Brothers Company. 378,322; June 4; Serial No. 427,524; published Mar. 26, 1940.
Textile fabrics in the piece. Constance Fabrics Corp. 378,351; June 4; Serial No. 428,020; published Mar. 26, 1940.

CLASS 43

Yarns. Glovers (Thread Coverers) Limited. 378,269; June 4; Serial No. 426,446; published Mar. 19, 1940.

CLASS 44

Dental, medical, and surgical appliances. United Drug Company. 133,068; renewed July 6, 1940.
Sanitary napkins. Sterilek Company. 378,373; June 4.
Teeth, Artificial. Dentists' Supply Company of New York. 378,229; June 4; Serial No. 416,317; published Mar. 26, 1940.
Vibrators and hair driers. Bersted Manufacturing Company. 378,343; June 4; Serial No. 427,872; published Mar. 26, 1940.

CLASS 45

Beverage, Non-intoxicating. Southern Beverage Company. 133,513; renewed July 27, 1940.
Beverages and concentrates and compounds for making the same, Non-alcoholic, maltless. Orange-Crush Company. 378,224; June 4; Serial No. 408,129; published June 27, 1939.
Beverages, and sirups and extracts for making the same. Monarch Manufacturing Company. 378,248; June 4; Serial No. 424,734; published Feb. 20, 1940.
Ginger ale and sparkling lithiated soda water. E. B. Horner. 378,363; June 4; Serial No. 428,355; published Mar. 26, 1940.
Ginger-ale, sarsaparilla, and root-beer. American Stores Company. 135,586; renewed Oct. 19, 1940.
Syrup concentrate, Maltless. Orange Smile Sirup Company. 378,367; June 4; Serial No. 428,559; published Mar. 26, 1940.

CLASS 46

Bakery products. National Biscuit Company. 378,220; June 4; Serial No. 396,996; published Mar. 26, 1940.
Batter, prepared. C. M. Coatney. 378,300; June 4; Serial No. 427,193; published Mar. 26, 1940.
Candies. A. R. Alfoth. 130,600; renewed May 4, 1940.
Candies. O. L. Hagley. 378,264; June 4; Serial No. 425,960; published Mar. 26, 1940.
Candies. Terry Candy Company. 378,336; June 4; Serial No. 427,780; published Mar. 26, 1940.
Candy. Huggins Candy Company. 135,706; renewed Oct. 19, 1940.
Candy. United Drug Company. 133,853; renewed Aug. 3, 1940.
Canned eggs. Gross Egg Company. 378,273; June 4; Serial No. 426,694; published Mar. 26, 1940.
Canned evaporated milk, salmon, etc.; canned sauerkraut juice, and bottled catsup, etc. A. Kanner. 378,369; June 4.
Canned fish. South Pacific Canning Co. 378,256; June 4; Serial No. 425,536; published Mar. 26, 1940.
Canned fruits. California Sanitary Canning Co. 130,274; renewed April 20, 1940.
Canned salmon. American Factors, Limited. 130,455; renewed April 27, 1940.
Chocolate. Lamont Corliss & Company. 378,301; June 4; Serial No. 427,204; published Mar. 26, 1940.
Chocolate, Milk. Carnation Milk Products Company. 135,209; renewed Sept. 28, 1940.
Cocoanut, Packaged grated and shredded. Franklin Baker Company. 132,682; renewed June 29, 1940.
Coffee. Mello-Joy Coffee Co. 378,279; June 4; Serial No. 426,776; published Mar. 26, 1940.
Corn starch. C. T. Whittier. 135,855; renewed Oct. 19, 1940.
Feed, Live stock. Des Moines Oat Products Company. 378,272; June 4; Serial No. 426,690; published Mar. 26, 1940.
Fish meal. Richmond Fisheries, Inc. 378,251; June 4; Serial No. 424,822; published Mar. 26, 1940.
Flour, Hominy, Corn-grits, etc., Corn. Postum Cereal Company. 134,267; renewed Aug. 24, 1940.
Flour, Wheat. Amendt Milling Company. 133,891; renewed Aug. 10, 1940.
Flour, Wheat. Pillsbury Flour Mills Company. 378,235; June 4; Serial No. 420,022; published Mar. 26, 1940.
Flour, Wheat. Standard Milling Company. 378,306; June 4; Serial No. 427,288; published Mar. 26, 1940.
Food, Dog. Dietrich & Gambrill, Inc. 378,311; June 4; Serial No. 427,367; published Mar. 26, 1940.
Food, Prepared milk. Babies Dispensary & Hospital of Cleveland. 135,195; renewed Sept. 28, 1940.
Food products. Harvey's Fresh Frozen Foods. 378,380; June 4.
Foods. Tolerton & Warfield Co. 130,239; renewed Apr. 13, 1940.
Foods, condensed milk, sugar of milk, etc., Infants'. United Drug Company. 134,113; renewed Aug. 10, 1940.
Fruit mixtures, Preserved. Blanke-Baer Extracts & Preserving Co. 378,271; June 4; Serial No. 426,685; published Mar. 26, 1940.
Hams, bacon, picnic-hams. Jacob E. Decker & Sons. 133,950; renewed Aug. 10, 1940.
Ice cream. Carnation Company. 378,236; June 4; Serial No. 420,448; published Sept. 26, 1939.
Meats. Oscar Mayer & Co. 378,252; June 4; Serial No. 425,005; published Mar. 26, 1940.
Meats. Oscar Mayer & Co. 378,257–60; June 4; Serial No. 425,745–8; published Mar. 26, 1940.
Meats. Oscar Mayer & Co. 378,261; June 4; Serial No. 425,750; published Mar. 26, 1940.
Milk, Chocolate flavored. Carnation Company. 378,323; June 4; Serial No. 427,528; published Mar. 26, 1940.
Peanut-butter. Woldert Peanut Products Co. 134,142; renewed Aug. 10, 1940.
Popcorn, Buttered popped. C. Hefley. 378,370; June 4.
Potato chips. G. E. Schutt. 378,386; June 4.
Rice. Southern Rice Sales Company. 378,384; June 4.
Rice, pickles, and olives. Tolerton & Warfield Co. 130,424; renewed Apr. 20, 1940.
Sandwich spread; coffee substitute; canned vegetables, etc. Loma Linda Food Company. 378,372; June 4.
Spices, extracts, and flavors. McCormick & Co. 130,803; renewed May 4, 1940.
Vanilla flavoring. C. V. Goffinet. 378,296; June 4; Serial No. 427,074; published Mar. 26, 1940.
Vegetables, Fresh. Bonita Packing Co. 378,295; June 4; Serial No. 427,066; published Mar. 26, 1940.
Vegetables, Fresh. D'Arrigo Bros. Company. 378,337; June 4; Serial No. 427,793; published Mar. 26, 1940.
Wheat breakfast food. Cream of Wheat Corporation. 378,247; June 4; Serial No. 423,695; published Mar. 26, 1940.
Wheat feed and hominy-meal. St. Albans Grain Company. 135,818; renewed Oct. 19, 1940.

CLASS 47

Wines. Societa Vinicola Torino, Inc. 378,332; June 4; Serial No. 427,726; published Mar. 26, 1940.

CLASS 48

Beer. Pabst Brewing Company. 378,253; June 4; Serial No. 425,094; published Mar. 26, 1940.
Beer, ale, porter, etc. Christian Feigenspan Brewing Co. 378,249; June 4; Serial No. 424,761; published Mar. 26, 1940.
Beers and ales, Chillproofing compound for. Reinemann, Inc. 378,321; June 4; Serial No. 427,559; published Mar. 26, 1940.

CLASS 49

Rum. Celestin, Ltd. 378,348; June 4; Serial No. 427,962; published Mar. 26, 1940.
Rum, cognac, brandies, etc. V. M. Ramirez. 378,262; June 4; Serial No. 425,754; published Mar. 26, 1940.
Whiskey. Yantic Grain & Products Company. 378,333; June 4; Serial No. 427,734; published Mar. 26, 1940.
Whiskey. Yantic Grain & Products Company. 378,334; June 4; Serial No. 427,736; published Mar. 26, 1940.
Whiskey. Yantic Grain & Products Company. 378,335; June 4; Serial No. 427,738; published Mar. 26, 1940.
Whiskey, gin, rum, etc. Distilled Liquors Corporation. 378,368; June 4; Serial No. 428,684; published Mar. 26, 1940.

LIST OF LABELS

Amigen. For a Dried Enzymic Hydrolysate of Purified Casein. Mead Johnson & Company. 54,883; June 4.
Animal Letters. For Animal Letters. A. I. Root Company. 54,887; June 4.
"As You Like It" Flavorite Coffee. For Coffee. J. Ferrara. 54,870; June 4.
Banquet Bread. For Bread. Banquet Baking Company. 54,859; June 4.
Beech-Nut. For Cooked Spaghetti. Beech-Nut Packing Company. 54,861; June 4.
Beech-Nut. For Macaroni Elbows. Beech-Nut Packing Company. 54,860; June 4.
Carmel Brand Kosher American Pasteurized Process Cheese. For Pasteurized Process Cheese. U. S. Alaska Herring Co. 54,911; June 4.
Chase & Sanborn Dated. For Coffee (Drip Grind). Standard Brands Incorporated. 54,899; June 4.
Chase & Sanborn Dated. For Coffee (Regular Grind). Standard Brands Incorporated. 54,898; June 4.
Davol "Anti-Colic" Brand Nipples. For Nipples. Davol Rubber Company. 54,867; June 4.
Davol "Anti-Colic" Brand Nipples Sani-Tab. For Nipples. Davol Rubber Company. 54,866; June 4.
Drisorbene a Dry, Absorbent Cleaner Harmless to All Fabrics. For a Dry Absorbent Cleaner. Bigelow-Sanford Carpet Co. Inc. 54,862; June 4.
Educational Letters. For Educational Letters. A. I. Root Company. 54,888; June 4.
Filler's Corn-Chips. For Corn Chips. Filler Corn Chip Company. 54,871; June 4.
Gaines Dog Krunchon. For a Dog Food. Gaines Food Co. Inc. 54,873; June 4.
Gaines Dog Meal. For a Dog Meal. Gaines Food Co. Inc. 54,872; June 4.
Glamour Girl. For Hosiery. Cannon Shoe Company. 54,863; June 4.
Glenn Facial Emulsion. For a Facial Emulsion. Glenn Laboratories, Inc. 54,876; June 4.
Golden Boy Clothes. For Boys Clothes. Meyer's. 54,884; June 4.
Golden Girl Clothes. For Girls Clothes. Meyer's. 54,885; June 4.
Ivolene. For a Lotion Used as an Aid in Relief of Poison Oak and Poison Ivy. P. J. Maffey. 54,881; June 4.
Klx. For Breakfast Cereal. General Mills, Inc. 54,875; June 4.
Lift. For a Tonic. Lift Beverage Company. 54,880; June 4.
Macadamia Nuts. For Macadamia Nuts. Honokaa Sugar Company. 54,878; June 4.
Magic Blackboard. For Blackboards. A. I. Root Company. 54,889; June 4.
Old Style Lager. For an Advertising Novelty. G. Heileman Brewing Co. 54,877; June 4.
Original Yarn Fabric Ponjette Crush Proof. For Yarn Fabrics. Eastern Yarn Mills, Inc. 54,868; June 4.
"Palm Springs". For Rugs. Klearflax Linen Looms, Inc. 54,879; June 4.
Pic. Nic. Stic. For Roasting Sticks. Stephenson Mfg. Co. 54,903; June 4.
Pledge. For Tea Bags. Standard Brands Incorporated. 54,897; June 4.
Ralph's. For a Household Cleaner, Disinfectant and Bleach. R. Ponte. 54,886; June 4.
Ree-Lee. For Canned Green Peas. Clyman Canning Company. 54,864; June 4.
Root Mak-A-Kit Airplane. For Toy Airplane Kits. A. I. Root Company. 54,890; June 4.
Root Mak-A-Kit Dump Truck. For Toy Dump Truck Kits. A. I. Root Company. 54,891; June 4.
Root Mak-A-Kit Steam Shovel. For Toy Steam Shovel Kits. A. I. Root Company. 54,892; June 4.
Royal. For Tapioca Pudding (Vanilla Flavor). Standard Brands Incorporated. 54,901; June 4.
Royal. For Vanilla Pudding. Standard Brands Incorporated. 54,900; June 4.
S. O. S. Magic Scouring Pads. For Scouring Pads. S. O. S. Company. 54,894; June 4.
Sno-White Soda. For a Soda Drink. Sno-White Beverage Company. 54,896; June 4.
Spearmenthol. For Cough Drops. A. R. Evans. 54,869; June 4.
Steiner's Pure Egg Noodles. For Pure Egg Noodles. F. J. Steiner, Jr. 54,902; June 4.
Stroehmann's Honey Krushed Wheat. For Bread. Stroehmann Brothers Company. 54,907; June 4.
Stroehmann's Raisin Bread. For Bread. Stroehmann Brothers Company. 54,906; June 4.
Stroehmann's Rye Bread. For Bread. Stroehmann Brothers Company. 54,909; June 4.
Stroehmann's 30% Whole Wheat Raisin Bread. For Bread. Stroehmann Brothers Company. 54,910; June 4.
Stroehmann's Twisted Sesame Seed Hearth Bread. For Bread. Stroehmann Brothers Company. 54,904; June 4.
Stroehmann's Vienna Bread. For Bread. Stroehmann Brothers Company. 54,905; June 4.
Stroehmann's Wheat Bread. For Bread. Stroehmann Brothers Company. 54,908; June 4.
Tee-Gee Blocks. For Toy Blocks. A. I. Root Company. 54,893; June 4.
The Only Tooth Brush Holder. For Tubes for Holding Tooth-Brushes. F. Shuttleworth. 54,895; June 4.
Tolucol. For Specially Flavored Syrup Prepared Especially for Use in Pediatries. P. J. Maffey. 54,882; June 4.
Tomatoes Healthful. For Tomatoes. F. D. Croce & Co. 54,865; June 4.
Waxit. For Liquefied Wax. Gallagher & Gallagher. 54,874; June 4.

LIST OF PRINTS

Aunt Chick's Non-Stick Pastry Kit. For Pastry Kits. N. McBirney. 17,999; June 4.
Baseball Headquarters: Come In—Get a Baseball Folder that Tells You All About it. For Dog Food. Ralston Purina Company. 18,002; June 4.
Birthday Flower Prints. For Handkerchiefs. W. Weiss. 18,011; June 4.
Boys! Girls! Come In—Get a Baseball Folder that Tells You All About it. For a Shredded Cereal. Ralston Purina Company. 18,003; June 4.
Brown's Clothing. For Clothing. Brown Clothing Company. 17,988; June 4.
Drisorbene a Dry, Absorbent Cleaner Harmless to All Fabrics. For a Dry Absorbent Cleaner. Bigelow-Sanford Carpet Co., Inc. 17,987; June 4.
Free! Jack Armstrong Sky Ranger. For a Cereal Food. General Mills, Inc. 17,992; June 4.
How Funny Animals Would Look if They Walked Like Humans. For Supports for Better Posture and Better Appearance. S. H. Camp & Company. 17,989; June 4.
How Nice Humans Would Look if They Walked Like Animals. For Supports for Better Posture and Better Appearance. S. H. Camp & Company. 17,990; June 4.
Lemonade. For Lemonade. Natural Set Up Sales Corporation. 18,001; June 4.
More Than a Ruler. For Rulers or Scales. Seneca Falls Rule & Block Co. 18,004–6; June 4.
National Advertising Campaign All American Handkerchiefs. For Handkerchiefs. Southern Handkerchief Mfg Co. 18,007; June 4.
Property Calculator. For Calculators. Monarch Life Insurance Company. 18,000; June 4.
Robin the Boy Wonder. For a Comic Magazine. Detective Comics, Inc. 17,991; June 4.
Son, We Know What's Good for Breakfast! For a Cereal Food. General Mills, Inc. 17,993; June 4.
Stein's, America's Greatest Clothiers. For Clothing. Stein Bros. 18,009; June 4.
Straight as an Arrow. For Ale and Beer. Hamden Brewing Company. 17,997; June 4.
Strawberry Chiffon Pie! For Flour. General Mills, Inc. 17,994; June 4.
Tag Them for Good! . . . Greet Them for Good! For Pencils and Tags. L. Gould. 17,995; June 4.
Tasty-Pie. For Pie. Tasty Baking Company. 18,010; June 4.
The Modern Jack-Master Pocket Pal Nail File Knife. For Nail File Knives. Imperial Knife Company. 17,998; June 4.
We're Telling All American About All American Handkerchiefs. For Handkerchiefs. Southern Handkerchief Mfg Co. 18,008; June 4.
Yacht Sports Hat. For Sports Hats. Grewax Co 17,996; June 4.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Andrews, Edward F. (See Smith, Beauford B., assignor.)
Chicago Rawhide Manufacturing Company. (Se Olsen, John C., assignor.)
Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Filled bag closing unit. Re. 21,472; June 4.
Du Pont, E. I., de Nemours & Company. (See Rossander, Swanie S., assignor.)
George, Ralph W., Riverhead, New York, assignor to Radio Corporation of America. Receiving means. Re. 21,473; June 4.
Lawrence, Benjamin E. (See McCleary, Nolen H., assignor.)
McCleary, Nolen H., assignor to B. E. Lawrence, Chicago, Ill. Heating pad. Re. 21,474; June 4.
Olsen, John C., assignor, by mesne assignments, to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. Re. 21,475; June 4.
Radio Corporation of America. (See George, Ralph W., assignor.)
Rossander, Swanie S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. Re. 21,476; June 4.
Rubinoff, Mark, New York, N. Y. Sealed tag. Re. 21,477; June 4.
Sears, Roebuck and Co. (See Snow, Adolph J., assignor.)
Smith, Beauford B., San Diego, Calif., assignor to E. F. Andrews, Chicago, Ill. Aircraft. Re. 21,478; June 4.
Snow, Adolph J., Wilmette, assignor to Sears, Roebuck and Co., Chicago, Ill. Radio receiver. Re. 21,480; June 4.
Steger Furniture Mfg. Co. (See Trabucco, Vincent R., assignor.)
Trabucco, Vincent R., assignor to Steger Furniture Mfg. Co., Steger, Ill. Machine for bending wood sheets. Re. 21,479; June 4.
Union Special Machine Company. (See Christensen, Norman V., assignor.)

LIST OF PLANT PATENTEES

Nakata, Daniel. (See Nakata, Itaro, and D.)
Nakata, Itaro, and D., Tracy, Calif. Chrysanthemum. 401; June 4.

LIST OF DESIGN PATENTEES

Abrams, Albert, New York, N. Y. Double ended jar or similar article. 120,902; June 4.
Alkon, Jacob H., New York, N. Y. Dress ensemble. 120,944; June 4.
Allen, Raymond W. (See Hoke, Henry L., and Allen.)
American Tool Works Company. (See Hoelscher, William G., assignor.)
Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Light transmitting globe. 120,903; June 4.
Arvidson, Bengt. (See Heckman, J. A., and Arvidson.)
Bailey, Stanley J., Snyder, and R. S. Estey, assignors to Spencer Lens Company, Buffalo, N. Y. Colorimeter. 120,877; June 4.
Barasch, Norman, New York, N. Y. Coat. 120,945; June 4.
Barasch, Norman, New York, N. Y. Coat. 120,946; June 4.
Beaver, Hartsell W., Statesville, N. C. Illuminable whatnot. 120,904; June 4.
Birnbaum, Morris, New York, N. Y. Dress. 120,947; June 4.
Bishop, Welles L., Meriden, Conn. Bird feeding rack. 120,852; June 4.
Bitter, Aaron, Long Island City, N. Y. Combination disk record display and sales counter. 120,905; June 4.
Brody, Benjamin R., New York, N. Y., assignor to Harry Rosenfeld, Inc. Lady's handbag or similar article. 120,853; June 4.
Brody, Benjamin R., New York, N. Y., assignor to Harry Rosenfeld, Inc. Lady's shoulder handbag or similar article. 120,854; June 4.
Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 120,855; June 4.
Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 120,856; June 4.
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille. 120,927; June 4.
Carson, George M., Providence, R. I. Brooch. 120,906; June 4.
Carter, Theodore L., assignor to Orchard Paper Company, St. Louis, Mo. Wrapping paper or similar article. 120,951; June 4.
Carter, Theodore L., assignor to Orchard Paper Company, St. Louis, Mo. Wrapping paper or similar article. 120,952; June 4.
Carter, Theodore L., assignor to Orchard Paper Company, St. Louis, Mo. Wrapping paper or similar article. 120,953; June 4.
Casco Products Corporation. (See Lehmann, Herbert G., assignor.)
Champlin Refining Company. (See Holland, A. Houston, assignor.)
Chrysler Corporation. (See Cadwallader, Robert, assignor.)
Cohen, Berry, Atlanta, Ga. Bicycle stand. 120,857; June 4.
Cohn & Rosenberger, Inc. (See Pauzat, Charles E., assignor.)
Cohn & Rosenberger, Inc. (See Weeber, Marion, assignor.)
Cooper, David, Brooklyn, N. Y. Linked chain or similar article. 120,878; June 4.
Crossley, Frank, Philadelphia, Pa. Holder for garbage cans. 120,858; June 4.
Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 120,907; June 4.
Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 120,908; June 4.
Cummings, Israel, New York, N. Y. Textile fabric. 120,954; June 4.
Davis, McKinney G. (See Holden, Lillian and De Hibbs, assignors.)
De Hibbs, Cassell. (See Holden, Lillian and De Hibbs.)
Drake, Claud E., Brentwood, Mo. Merchandising display bracket. 120,879; June 4.
Eagle Pencil Company. (See Saulsbury, Lawrence W., assignor.)
Eaton Manufacturing Company. (See Lippitt, George R., assignor.)
Ebel, William K., Kingsville, assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. 120,909; June 4.
Estey, Roger S. (See Bailey, S. J., and Estey.)
Feifer, Harry, Passaic, N. J. Slipper. 120,859; June 4.
Finkelstein, Robert, Woonsocket, R. I. Textile fabric or similar article. 120,955; June 4.
Folke, Bengt E., Mamaroneck, ass'gnor to Nathan Manufacturing Company, New York, N. Y. Lubricator sight feed. 120,860; June 4.
Foster, Ralph E., Detroit, Mich., assignor to Tank Car Stations, Inc., Buffalo, N. Y. Building. 120,928; June 4.
Fracchia, Pauline, New York, N. Y. Dress. 120,880; June 4.
Fredericksburg Art Pottery Company, The. (See Heisler, George, assignor.)
Freudenberg, Ernest W., Larchmont, N. Y. Lace trimming or similar article. 120,881; June 4.
Freudenberg, Ernest W., Larchmont, N. Y. Lace trimming or similar article. 120,882; June 4.
Freudenberg, Ernest W., Larchmont, N. Y. Lace trimming or similar article. 120,883; June 4.
Freudenberg, Ernest W., Larchmont, N. Y. Lace trimming or similar article. 120,884; June 4.
Galter, Jack, Chicago, Ill. Sunglasses. 120,885; June 4.
Garner, Mack E., Newport News, Va. Corner secretary or the like. 120,861; June 4.
General Industries Company, The. (See Green, Lee B., assignor.)

Gentile, Robert S., New York, N. Y., assignor to Tabin-Picker & Company, Chicago, Ill. Textile fabric. 120,956; June 4.
Gentile, Robert S., New York, N. Y., assignor to Tabin-Picker & Company, Chicago, Ill. Textile fabric. 120,957; June 4.
Glaser, Theodore C., Newark, N. J. Medal. 120,886; June 4.
Gotsch, Walter M. Company. (See Hauck, Marie F., assignor.)
Green, Lee B., Lakewood, assignor to The General Industries Company, Elyria, Ohio. Phonograph record changer standard. 120,910; June 4.
Greziak, Josephine M., Omaha, Nebr. Leg garment protector. 120,887; June 4.
Grover, Lyndon V., Los Angeles, Calif. Horn housing or similar article. 120,911; June 4.
Guhl, Maclyn L., Forest Hills, N. Y. Textile fabric. 120,958; June 4.
Harris, Herbert M., New York, N. Y. Dress. 120,959; June 4.
Hauck, Marie F., assignor to Walter M. Gotsch Company, Chicago, Ill. House coat or similar article. 120,888; June 4.
Heckman, John A., and B. Arvidson, Elmhurst, Ill. Combined illuminating lamp shade and supporting bracket. 120,912; June 4.
Heisler, George, Wooster, assignor to The Fredericksburg Art Pottery Company, Fredericksburg, Ohio. Combined shelf and support therefor. 120,862; June 4.
Hirsh, Leonard F., Philadelphia, Pa. Fluorescent lighting fixture. 120,913; June 4.
Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Lathe. 120,863; June 4.
Hoenig, Franz, New York, N. Y. Embroidered trimming. 120,960; June 4.
Hoenig, Franz, New York, N. Y. Embroidered trimming. 120,961; June 4.
Hoenig, Franz, New York, N. Y. Embroidered trimming. 120,962; June 4.
Hoke, Henry L., and R. W. Allen, Akron, Ohio. Spark plug tester. 120,929; June 4.
Hoke, Henry L., and R. W. Allen, Akron, Ohio. Spark plug cleaner. 120,930; June 4.
Holden, Lillian and C. De Hibbs, assignors of one-third to McKinney G. Davis, Ft. Worth, Tex. Airplane. 120,931; June 4.
Holland, A. Houston, assignor to Champlin Refining Company, Enid, Okla. Pneumatic tire casing. 120,932; June 4.
Horther, George J., Flushing, N. Y. Ash tray. 120,914; June 4.
International Silver Company. (See Theobald, Jean G., assignor.)
Israel, Philip, New York, N. Y. Dress. 120,963; June 4.
Lehmann, Herbert G., Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn. Coffee maker. 120,933; June 4.
Lehmann, Herbert G., Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn. Coffee maker. 120,934; June 4.
Lerman, Kate, Chicago, Ill. Clock or similar article. 120,864; June 4.
Lerman, Kate, Chicago, Ill. Clock or similar article. 120,865; June 4.
Lieberman, Samuel, Roxbury, Mass. Water-faucet filter. 120,915; June 4.
Lindsay, John W., North Adams, Mass. Textile fabric. 120,964; June 4.
Lippitt, George R., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Vehicle heater. 120,866; June 4.
Lippitt, George R., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Vehicle heater. 120,916; June 4.
Lippitt, George R., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Vehicle heater. 120,935; June 4.
Lippitt, George R., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Vehicle heater. 120,936; June 4.
Lippitt, George R., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Vehicle heater. 120,937; June 4.
Lippitt, George R., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Vehicle heater. 120,938; June 4.
Lippitt, George R., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Vehicle heater. 120,939; June 4.
Lobel, Rudolph, Brooklyn, N. Y. Handbag. 120,940; June 4.
Lyon, Harold J., Los Angeles, Calif. Combination money and ticket holder. 120,867; June 4.
Marra, Anthony, Flower Hill, N. Y. Dispensing device or similar article. 120,868; June 4.
Martin, Glenn L., Company, The. (See Ebel, William K., assignor.)
Maxant, William T., Ayer, Mass. Pinking machine. 120,889; June 4.
Metal Specialties Manufacturing Co. (See Ruskin, Henry, assignor.)
Mindell, Milton S., New York, N. Y. Stretchable braid. 120,890; June 4.
Naftal, Adrian, New York, N. Y. Redingote. 120,948; June 4.
Nassour, William, Los Angeles, Calif. Combined bottle and closure therefor. 120,917; June 4.
Nathan Manufacturing Company. (See Folke, Bengt E., assignor.)
Neher, Leroy P., St. Louis, Mo. Bottle collar or the like. 120,941; June 4.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,869; June 4.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,891; June 4.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,892; June 4.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,893; June 4.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,894; June 4.
Neuhardt, Charlotte M., New York, N. Y. Dress. 120,949; June 4.
Nixon, James M., Asheville, N. C. Brush cabinet. 120,870; June 4.
Orchard Paper Company. (See Carter, Theodore L., assignor.)
Otte, Otho M., Tarentum, Pa. Spoon or other article of flatware. 120,895; June 4.
Owen, Frederick E., East Palestine, Ohio. Vaporizer. 120,871; June 4.
Pass, Arthur R., assignor to The Toledo Automotive Products Co., Toledo, Ohio. Parking lamp or similar article. 120,918; June 4.
Patent License Corporation. (See Arenberg, Albert L., assignor.)
Pauzat, Charles E., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 120,942; June 4.
Philippe, Alfred, New York, N. Y. Bracelet. 120,896; June 4.
Philippe, Alfred, New York, N. Y. Bracelet. 120,897; June 4.
Prouty, Willis O., Hermosa Beach, Calif. Flower bowl or similar article. 120,872; June 4.
Ress, Maurice, Brooklyn, N. Y. Combined radio and lamp. 120,919; June 4.
Richman, Ruth, New York, N. Y. Dress. 120,965; June 4.
Rosenfeld, Harry, Inc. (See Brody, Benjamin R., assignor.)
Rous, Arthur, New York, N. Y. Display box. 120,873; June 4.
Rubin, Harry, New York, N. Y. Cigarette dispenser. 120,874; June 4.
Rubin, Harry, New York, N. Y. Cigarette dispenser. 120,920; June 4.
Rubin, Harry, New York, N. Y. Cigarette dispenser. 120,921; June 4.
Rubin, Harry, New York, N. Y. Combined cigarette dispenser and article support. 120,922; June 4.
Ruchman, Samuel, New York, N. Y. Dress. 120,966; June 4.
Ruskin, Henry, assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Stapler. 120,898; June 4.
Sabins, Rolland C., Wisconsin Rapids, Wis. Grille for stoves or the like. 120,923; June 4.
Saulsbury, Lawrence W., Valley Stream, assignor to Eagle Pencil Company, New York, N. Y. Mechanical pencil or similar article. 120,899; June 4.
Silson, Victor, New York, N. Y. Pin clip. 120,967; June 4.
Sobelman, Morris, St. Louis, Mo. Dress. 120,968; June 4.
Spánel, Abraham N., New York, N. Y. Combined advertising and vending device. 120,875; June 4.
Spencer Lens Company. (See Bailey, S. J., and Estey, assignors.)
Steber, Clarence L., Oak Park, Ill. Portable lighting fixture. 120,924; June 4.
Stern, Abraham, New York, N. Y. Artificial leather fabric or similar article. 120,950; June 4.
Tabin-Picker & Company. (See Gentile, Robert S., assignor.)
Tank Car Stations, Inc. (See Foster, Ralph E., assignor.)
Theobald, Jean G., assignor to International Silver Company, Meriden, Conn. Tray or other article of hollowware. 120,900; June 4.
Toledo Automotive Products Co., The. (See Pass, Arthur R., assignor.)
Tuller, Erwin, Beaverton, Oreg. Weeding knife. 120,876; June 4.
Weeber, Marion, assignor to Cohn & Rosenberg, Inc., New York, N. Y. Clip or similar article. 120,925; June 4.
Whatmore, Della F., Seattle, Wash. Shoe. 120,901; June 4.
Williams, Oliver H., Chicago, Ill. Louver lamp shade. 120,926; June 4.
Wolfelt, Curt, New York, N. Y. Slipper or similar article. 120,943; June 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrahams, Alexander I., New York, N. Y. Microphone. 2,202,886; June 4.
Activin Corporation, The. (See Feibelmann, Richard, assignor.)
Ahlberg, Henry B. (See Repass, G., and Ahlberg.)
Air Reduction Company. (See Anderson, James L., assignor.)
Aker, Evender S., Long Branch, N. J. Shaft bearing. 2,203,039; June 4.
Albright, Raymond W., assignor to American Anode, Inc., Akron, Ohio. Making rubber articles. 2,203,072; June 4.
Alexander, Claude H. (See Garvey, B. S., and Alexander.)
Alexander, Focsaneanu, New York, N. Y., assignor, by mesne assignments, to Argco Tube and Television Corporation. Gaseous conduction lamp. 2,203,482; June 4.
Allcock, Harold J. (See Osborne, T. L., and Allcock.)
Allen, George, Kansas, Ill. Heater. 2,203,588; June 4.
Aloi, Millio F., Maywood, Calif. Well casing perforator. 2,202,887 June 4.
Altvater, Arthur W., University City, Mo. Die holder. 2,202,809; June 4.
Amberg, Walter E., assignor, by mesne assignments, to Dixie-Vortex Company, Chicago, Ill. Apparatus for and method of making containers. 2,203,513; June 4.
Amend, Fred W., Co. (See Oswalt, Robert J., assignor.)
American Anode, Inc. (See Albright, Raymond W., assignor.)
American Car and Foundry Company. (See Dietrichson, William F., assignor.)
American Car and Foundry Company. (See Euwer, Herbert D., assignor.)
American Car and Foundry Company. (See Nichols, Ralph G., assignor.)
American District Telegraph Company. (See Kleinknecht, William J., assignor.)
American Engineering Company. (See Lamond, Robert C., assignor.)
American Safety Seating Company. (See Morgan, E. B., and Yost, assignors.)
American Smelting and Refining Company. (See Betterton, J. O., Lebedeff, and Wilkes, assignors.)
Anderson, Alfred J., Akron, Ohio. Contact attachment for electrical connections. 2,203,122; June 4.
Anderson, Arthur M., Chicago, Ill. Mop. 2,203,451; June 4.
Anderson, Frank A., Chicago, Ill. Tape dispenser and cutter. 2,203,073; June 4.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Tube welding apparatus. 2,203,319; June 4.
Anderson, John W., assignor to Productive Inventions Inc., Gary, Ind. Windshield wiper. 2,203,346; June 4.
Anderson, Philip P., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,203,074; June 4.
Anderson, Ture I., Merced, Calif. Counter chair. 2,203,320; June 4.
Anderson, William J., and S. S. Rosen, assignors to Protex Industries, Inc., New York, N. Y. Elastic coating. 2,203,274; June 4.
Andrews, John S., St. Paul, Minn., assignor to General Mills, Inc. Producing vitamin E concentrate. 2,203,400; June 4.
Animal Trap Company of America. (See Zahm, Joseph D., assignor.)
Argco Tube and Television Corporation. (See Alexander, Focsaneanu, assignor.)
Armentrout, Arthur L. (See Hall, E. B., and Armentrout.)
Armington, Arthur P., Willoughby, Ohio, deceased, K. S. Armington, executrix, assignor to The Euclid Road Machinery Company, Euclid, Ohio. Yieldable mount means. 2,202,940; June 4.
Armington, Katherine S., executrix. (See Armington, Arthur P.)
Armour and Company. (See Ralston, Anderson W., assignor.)
Arms, Ray W. (See Rakowsky, V., Arms, and Holt.)
Armstrong, Hudson. (See Krause, Paul, assignor.)
Arter, Marshall, East Peoria, Ill. Heating apparatus. 2,203,187; June 4.
Ashley, Carlyle M., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning method. 2,203,560; June 4.
Aspden, Ernest W., Blackpool, England. Pump. 2,203,646; June 4.
Associated Electric Laboratories, Inc. (See Wicks, John, assignor.)
Astle, William, Chicago, Ill. Gasketed plate. 2,203,123; June 4.
Auer, George A., assignor to Wagner Sign Service, Inc., Chicago, Ill. Sign and sign character. 2,202,888; June 4.
Aumüller, Walter. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller.)
Autocall Company, The. (See Harrington, James R., assignor.)
Autogiro Company of America. (See Campbell, Harris S., assignor.)
Azzara, Santo, Jamaica, N. Y. Shoe lasting. 2,203,247; June 4.
B. W. B. Company, The. (See Witwer, W. J., and Bunyan, assignors.)
Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
Babson Bros. (See Oliver, Chauncey B., assignor.)
Bacon, Elbridge F., Flint, assignor to General Motors Corporation, Detroit, Mich. Speedometer. 2,203,514; June 4.
Bacon, Leonard W., Jr., Rowayton, Conn., assignor to Excelsior Pearl Works, Inc., New York, N. Y. Assorting articles. 2,203,248; June 4.
Bade, Alfred G. (See Schmitter, W. P., and Bade.)
Baird, Fred J., Kent, and A. L. Simison, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation. Commutator. 2,202,820; June 4.
Baker, Kenneth V. (See Morrow, J. H., Baker, and Reeves.)
Baker-McMillen Company, The. (See Sperry, John A., assignor.)
Baker Perkins Incorporated. (See Pointon, J. E., and Dumbleton, assignors.)
Bakker, Arjen, The Hague, and H. Cornelis Antonie van Duuren, Noordwijkerhout, Netherlands, assignors to Radio Corporation of America. Telegraph system with repetition of the signals. 2,203,609; June 4.
Balke, Clarence W., Highland Park, assignor to Ramet Corporation of America, North Chicago, Ill. Hard metal alloy. 2,202,821; June 4.
Bandaway Inc. (See Nordberg, Ernst A., assignor.)
Banks, George B., Chelmsford, England, assignor to Radio Corporation of America. Cathode ray tube. 2,203,483; June 4.
Bappler, Charles T., assignor to The Bush Manufacturing Company, Hartford, Conn. Heat exchange apparatus. 2,203,075; June 4.
Barbieri, Cesare, New York, N. Y., assignor to Dixie-Vortex Company, Chicago, Ill. Container making machine. 2,203,515; June 4.
Barnard, Florence C., St. Paul, Minn. Garment. 2,203,401; June 4.
Barry, William B., San Francisco, Calif. Inner tube for automobile tires. 2,203,124; June 4.
Bartel, Charles F., and W. C. Bartel, Royal Oak, Mich., assignors, by mesne assignments, to C. A. Hooker and I. L. Carron, as trustees. Cushion assembly. 2,203,007; June 4.
Bartel, William C. (See Bartel, Charles F., and W. C.)
Bascom, Henry M., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,203,321; June 4.
Bascom, Hugh W. (See Bascom, Raymond E., and H. W.)
Bascom, Raymond E. and H. W., Keene, Tex. Folding chair. 2,203,610; June 4.
Bass, Robert L., Los Angeles, Calif. Toy aircraft. 2,202,978; June 4.
Bassett, Rex E., Jr., South Bend, Ind. Purifying water. 2,203,040; June 4.
Bastable, Edward H., Clifton, assignor to Shoe Chassis, Inc., Boston, Mass. Attaching heels to shoes. 2,202,941; June 4.
Batchelor, John C., New York, N. Y. Electro-optical method and apparatus. 2,203,347; June 4.
Bates, Harold O., Cranford, N. J. Strip punching machine. 2,202,889; June 4.
Bauer, Fredrick C., Seville, Ohio. Patty forming machine. 2,203,518; June 4.
Bauman, Oscar G., St. Louis, Mo. Tool and tackle box. 2,203,008; June 4.
Bausch, Carl L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle case. 2,203,402; June 4.
Bausch & Lomb Optical Company. (See Bausch, Carl L., assignor.)
Bausch & Lomb Optical Company. (See Ellestad, Gerhard A., assignor.)

Bausch & Lomb Optical Company. (See Kurtz, Henry F., assignor.)
Baxter, William C., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding toilet seat. 2,203,076; June 4.
Bay State Thread Works. (See Deane, Leon C., assignor.)
Baymiller, John W., Chicopee, Mass., assignor to A. G. Spalding & Bros. Inc. Treatment of wood. 2,203,589; June 4.
Beach, Ralph M. (See Dombrown, B. A., and Beach.)
Beatty, David E. (See Uecker, R. A., Rambo, and Beatty.)
Beatty, David E. (See Uecker, R. A., Beatty, and Graser.)
Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Roller blank and making rollers therefrom. 2,203,125; June 4.
Becker, Bernard C., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,202,979; June 4.
Becker, Bernard C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,202,980; June 4.
Beer, Henri B., The Hague, Netherlands. Treatment of air. 2,203,188; June 4.
Be-Ge Manufacturing Company. (See Gurries, Albert G., assignor.)
Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Metal radio tube. 2,203,516; June 4.
Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Radio receiver. 2,203,517; June 4.
Behrens, William O., Harvey, Ill. Oil burner. 2,202,822; June 4.
Behrens, William O., Harvey, Ill. Oil burner. 2,202,981; June 4.
Bell, Anna M. (See Bell, James, and A. M.)
Bell, James and A. M., Edmonton, Alberta, Canada. Bookholder. 2,203,126; June 4.
Bell Telephone Laboratories, Incorporated. (See Bascom, Henry M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bond, Walter L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hawley, Melville S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kinsley, Thomas G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mesch, Orwar S. A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Powell, Albert C., assignor.)
Bell Telephone Laboratories, Incorporated. (See West, Julian M., assignor.)
Bell, William C., London, England, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,202,982; June 4.
Beloit Iron Works. (See Berry, Earl E., assignor.)
Bendel, Hermann, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemenstadt, near Berlin, Germany. Amplifier linearized by negative feedback. 2,203,484; June 4.
Bendix Products Corporation. (See Fowler, Owen H., assignor.)
Bendix Products Corporation. (See Price, Harold W., assignor.)
Bennett, Willard H., Columbus, assignor to Electronic Research Corporation, Newark, Ohio. Rectification system. 2,202,823; June 4.
Bentley, Lawrence C., London, assignor to Electric & Musical Industries, Ltd., Hayes, Middlesex, England. Voltage doubler circuit. 2,203,485; June 4.
Berghaus, Bernhard, Berlin-Lankwitz, and W. Burkhardt, Berlin Grunewald, Germany, said Burkhardt assignor to said Berghaus. Electronic discharge tube. 2,203,452; June 4.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Pressure and vacuum forming papermaking machine. 2,202,890; June 4.
Berry, Eugene G. (See Williams, W. M., and Berry.)
Berry, Eugene G., A. J. Hazle, Jr., and W. M. Williams, assignors to B. F. Gump Co., Chicago, Ill. Apparatus for preparing granular coffee. 2,202,891; June 4.
Berry, Eugene G., and W. M. Williams, assignors to B. F. Gump Co., Chicago, Ill. Cereal grinding mill. 2,202,892; June 4.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,203,290; June 4.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,203,291; June 4.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Gearing. 2,203,292; June 4.
Betterton, Jesse O., and Y. E. Lebedeff, Metuchen, and D. P. Wilkes, Perth Amboy, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Treating slimes. 2,202,893; June 4.
Beyea, Frank H., Union Springs, N. Y. Salt block holder. 2,203,275; June 4.
Bieber, Otto, Berlin-Lichterfelde, assignor to Typograph G. m. b. H., Berlin, Germany. Matrix setting and typeline-casting machine. 2,202,942; June 4.
Bihler, Walter G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Piercing machine or the like. 2,202,894; June 4.
Bihuber, E., Inc. (See Zutavern, P., and Metzger, assignors.)
Bild, Carl B. (See Smith, H. J., and Bild.)
Blanc, Stewart S., Brisbane, Calif. Motor vehicle chassis. 2,202,810; June 4.
Blaw-Knox Company. (See Harvey, Christian M., assignor.)
Bliss, Sherwood C. (See Peo, R. F., and Bliss.)
Blow, Arthur E., et al. (See Dautrick, Owen L., assignor.)
Boardman, Odessa D., Chester, Tex. Garage door operator. 2,202,943; June 4.
Bobek, William, Detroit, Mich. Concealed hinge. 2,203,041; June 4.
Bock, Irving I., Dallas, Tex. Air conditioning device. 2,203,590; June 4.
Bockmühl, Max, G. Ehrhart, H. Ruschig, and W. Aumüller, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. 22,23-Dibromostigmasterolacetate and preparing it. 2,203,611; June 4.
Boesch, Arthur H. (See Franz, F., Boesch, and Pash.)
Böhme, Joachim, Berlin-Schoneberg, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Electron discharge device. 2,203,249; June 4.
Boiney, Joseph F. (See Shepard, A. F., Boiney, and Sontag.)
Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Valve mechanism for fluid pressure systems. 2,203,042; June 4.
Bolhofner, Edward, et al. (See Bolhhofner, P., and Koch, assignors.)
Bolhofner, Peter, St. Louis, and T. Koch, St. Louis County, assignors of one-fourth to E. F. Pelikan and one-fourth to E. Bolhofner, both of St. Louis, Mo. Device for applying treating material to leather. 2,203,250; June 4.
Bond, Albert J., Brazoria, Tex. Reel. 2,203,453; June 4.
Bond, Walter L., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Supporting means for piezoelectric plates. 2,203,486; June 4.
Bonner, Douglas E., New York, N. Y. Machine for cleansing and treating. 2,203,251; June 4.
Borah, John E., Penn Township, St. Joseph County, Ind. Shipping box. 2,203,127; June 4.
Borneman, George, Millville, N. J. Fishing float. 2,203,252; June 4.
Bosari Tank Corporation of America. (See Schorer, Herman, assignor.)
Boulais, Wilfrid, Upper Darby, assignor to H. Brinton Co., Philadelphia, Pa. Knitting machine. 2,202,824; June 4.
Bour, Paul L. (See Bruzau, M. F. A., Van Mierlo, and Bour.)
Bowers, William W., Chicago, Ill., assignor to Wilson & Co., Inc. Leaching meat. 2,203,454; June 4.
Boyd, Donald A., Detroit, Mich. Seal. 2,202,944; June 4.
Brandes, Oliver L., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Prevention of motor-bearing corrosion. 2,202,825; June 4.
Brandes, Oliver L., assignor to Gulf Reasearch & Development Company, Pittsburgh, Pa. Lubricant for internal combustion engines. 2,202,826; June 4.
Bradley, Walter S., et al. (See Hayes, Carlton Z., assignor.)
Brandt, James W., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,203,426; June 4.
Briggs Manufacturing Company. (See Coordes, Harry G., assignor.)
Briggs Manufacturing Company. (See Prance, Alvin W., assignor.)
Briggs Manufacturing Company. (See Sloman, C. M., and Hierta, assignors.)
Briggs Manufacturing Company. (See Tjaarda, John, assignor.)
Brinton, H., Co. (See Boulais, Wilfrid, assignor.)
Brinton, Thomas E., Waukegan, Ill. Tool. 2,202,895; June 4.
Broberg, Gustave T., assignor to The Torrington Company, Torrington, Conn. Making spring beard needles. 2,202,945; June 4.
Broder, Reuben, assignor to Zenith Textile Corporation, New York, N. Y. Manufacture of chenille yarn. 2,203,561; June 4.
Brooker, Leslie G. S., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Preparing cyanine dyes from substituted mercapto derivatives. 2,202,827; June 4.
Brown Bag Filling Machine Company, The. (See Chandler, Austin S., assignor.)
Brown, Claude F., Chicago, Ill. Flexible refrigerating package production. 2,203,591; June 4.
Brown, Elmer L., assignor to J. B. Smith, San Francisco, Calif. Radio receiver. 2,203,043; June 4.
Brown, Glendon C. (See Seeger, E. W., and Brown.)
Brown, Hart, Houston, Tex. Force measuring device. 2,203,293; June 4.
Brown Instrument Company, The. (See Moore, Coleman B., assignor.)
Brown, Jean F., administratrix. (See Seeger, E. W., and Brown.)
Brown, Morris, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electroplating process. 2,203,253; June 4.
Brown, Thomas J., Cohoes, N. Y. Lubricant. 2,203,044; June 4.

Browning, J. M. & M. S., Company. (See Browning, Val A., assignor.)
Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Firearm. 2,203,378; June 4.
Brundage, Norman C., assignor to Western Precipitation Corporation, Los Angeles, Calif. Gas scrubber. 2,203,592; June 4.
Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Preparation of polyalkylene ether thioammeline ethers. 2,202,828; June 4.
Bruzau, Marc E. A., S. Van Mierlo, and P. L. Bour, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Mechanical resonator, such as piezoelectric crystal devices. 2,203,322; June 4.
Buchner, Morris, and M. Kapp, Bronx, N. Y. Doll eye mounting. 2,202,896; June 4.
Bucknam, James H., Cranford, N. J., assignor to The Linde Air Products Company. Apparatus for removing surface metal from metallic bodies. 2,203,211; June 4.
Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)
Buescher Band Instrument Company. (See Comer, Floyd E., assignor.)
Buff, Martha E., New York, N. Y. Preparation for removing hair from the body. 2,202,829; June 4.
Buntin, Fred A., Clarendon, Tex. Handling device for invalid cots. 2,203,045; June 4.
Burford, James C., Winston-Salem, N. C. Lubricant atomizer and heater for force feed lubricators. 2,203,046; June 4.
Burgholz, Rudolf, Herten, Westphalia, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Superheterodyne receiver. 2,203,487; June 4.
Burroughs Adding Machine Company. (See Fettig, Arthur J., assignor.)
Bush Manufacturing Company, The. (See Bappler, Charles T., assignor.)
Bush, Robert R., assignor to Lima Locomotive Works, Incorporated, Lima, Ohio. Adjustable valve gear for steam engines. 2,203,379; June 4.
Bussey, Ernest, Birmingham, Ala., assignor to Sta-Rite Corporation. Metallic shingle. 2,202,830; June 4.
Butherus, Frederick R., Enfield, England. Coin-operated device. 2,202,897; June 4.
Bunyan, Albert C. (See Witwer, W. J., and Bunyan.)
Burkhardt, Wilhelm. (See Bergaus, B., and Burkhardt.)
Byron Jackson Co. (See Grau, H. E., and Hertel, assignors.)
Cairo, Frances L., Brooklyn, N. Y. Cutout figure or object. 2,203,128; June 4.
Calcott, William S., Woodstown, L. Spiegler, Woodbury, and J. M. Tinker, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of N-tertiary amino acyclic carboxylic acids and their salts. 2,203,009; June 4.
Calderone, Mary. (See Simler, Oscar J., assignor.)
Calendine, Margaret R. (See Rankin, Albert L., assignor.)
Callender's Cable and Construction Company Limited. (See Osborne, Thomas L., assignor.)
Callender's Cable and Construction Company Limited. (See Osborne, T. L., and Allcock, assignors.)
Cameron, Allan M., Oak Park, assignor to Cameron Can Machinery Co., Chicago, Ill. Lock seam soldering attachment. 2,203,403; June 4.
Cameron Can Machinery Co. (See Cameron, Allan M., assignor.)
Campbell, Harris S., Bryn Athyn, Pa., assignor, by mesne assignments, to Autogiro Company of America. Rotary-winged aircraft. 2,203,012; June 4.
Campbell, John S., Pittsburgh, Pa. Sweeper dust bag. 2,203,254; June 4.
Campbell, Ralph, and F. H. Nass, assignors to Detroit Testing Machine Company, Detroit, Mich. Hardness testing machine. 2,203,129; June 4.
Cantor, Sidney M., Riverside, Ill., assignor to Corn Products Refining Company, New York, N. Y. Production of dextrose from starch. 2,203,325; June 4.
Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Color process and camera therefor. 2,203,651; June 4.
Caputo, James V., Crafton, Pa. Pipe welding. 2,202,898; June 4.
Carey, Philip, Manufacturing Company, The. (See Moeller, William J., assignor.)
Carlson, Gustave A., Detroit, Mich. Polishing and buffing machine. 2,203,488; June 4.
Carlson, Vernon E., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,202,983; June 4.
Carmichael, Emmett S. (See Roehner, T. G., and Carmichael.)
Carney, Thomas C., and J. A. Peterson, Los Angeles, Calif. Bracket. 2,202,811; June 4.
Carpenter, Fred A., Berkeley, Calif. Pumping structure. 2,203,077; June 4.
Carpenter, Robert J., Scotia, N. Y., assignor to General Electric Company. Mercury boiler. 2,202,831; June 4.
Carrier Corporation. (See Ashley, Carlyle M., assignor.)
Carrier, Willis H., Essex Fells, N. J. Air conditioning system. 2,202,946; June 4.
Carron, I. Louis, et al., trustee. (See Bartel, Charles F., and W. C.)
Carter Carburetor Corporation. (See Mollberg, Byron, assignor.)
Carter, John E., Geneseo, Ill. Compensable joint. 2,203,078; June 4.
Carter, Mary E., et al. (See Carter, Sylvester A., assignor.)
Carter, Philip M., White Plains, N. Y., D. F. Linsley, Norwalk, Conn., and L. A. Larsen, Brooklyn, N. Y., assignors to Vaco Products, Inc. Power operated automotive gear shifter. 2,203,380; June 4.
Carter, Sylvester A., assignor of twenty per cent to R. C. Nelms, one tenth to R. Turner, and fifty per cent to M. E. Carter, all of Roanoke, Va. Produce basket. 2,202,832; June 4.
Casciani, Ferri, assignor to Niagara Alkali Company, Niagara Falls, N. Y. Bleaching pulp. 2,203,212; June 4.
Casinello, Tony, Detroit, Mich. Mop. 2,203,189; June 4.
Cavalier Corporation. (See Frazier, Robert T., assignor.)
Cawein, Madison, Manhasset, N. Y., assignor to Hazeltine Corporation. Periodic wave generator. 2,203,519; June 4.
Cawein, Madison, Manhasset, N. Y., assignor to Hazeltine Corporation. Television system. 2,203,520; June 4.
Cawein, Madison, Manhasset, N. Y., assignor to Hazeltine Corporation. Modulated-carrier wave-signal-translating system. 2,203,521; June 4.
Celanese Corporation of America. (See Ellis, G. H., and Olpin, assignors.)
Celanese Corporation of America. (See Wolfe, Kinsey A., assignor.)
Celotex Corporation, The. (See Swenson, George E., assignor.)
Chace, Warren O., Medford, Mass. Agitating and comminuting mechanism. 2,203,404; June 4.
Chambers Brothers Company. (See King, Howard K., assignor.)
Chambers, John E., Shelbyville, Ind. Stove. 2,203,348; June 4.
Chandler and Price Company, The. (See Reichart, William M., assignor.)
Chandler, Austin S., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Conveyer transfer and seal means. 2,203,079; June 4.
Charlotte Chemical Laboratories, Inc. (See Oliver, Thomas C., assignor.)
Chase Brass & Copper Co. Incorporated. (See Crampton, Donald K., assignor.)
Christmann, Friedrich. (See Pier, M., and Christmann.)
Chromy, Ben J. (See Jackson, Ernest W., assignor.)
Chrysler Corporation. (See Patterson, Herbert F., assignor.)
Cipullo, Salvatore. (See Girardi, F., and Cipullo.)
Clark, Harley D. (See Hill, G. M., and Clark.)
Clark, Noble C., Ferndale, Mich., assignor to The Murray Corporation of America, Detroit, Mich. Weather strip and mounting therefor. 2,203,522; June 4.
Clark, A. R., & Company. (See Delamere, R. D., and Hutcheon, assignors.)
Clarkson-Jones, Thomas H., Toronto, Ontario, Canada. Vehicle door locking device. 2,202,833; June 4.
Clarkson-Jones, Thomas H., Toronto, Ontario, Canada. Door locking system. 2,202,834; June 4.
Clarkson, Ralph P., New Rochelle, N. Y. Double pressure compensating rail fastening. 2,203,624; June 4.
Clicquennoi, Irving M., and H. W. Weimer, Milwaukee, Wis., assignor to W. E. Lippmann, doing business as Lippmann Engineering Works. Sand classifier. 2,203,405; June 4.
Colgate-Palmolive-Peet Company. (See Ross, J., and Mitchell, assignors.)
Collegeville Flag & Mfg. Co. (See Francis, Joel B., assignor.)
Colwell, Archie T., assignor to Thompson Products Incorporated, Cleveland, Ohio. Piston ring and making same. 2,202,899; June 4.
Comer, Floyd E., assignor to Buescher Band Instrument Company, Elkhart, Ind. Saxophone. 2,203,593; June 4.
Coney, James D., assignor to Star-Service Hanger Company, Detroit, Mich. Garment hanger. 2,203,381; June 4.
Consolidated Car Heating Company. (See Knaack, Rudolph F., assignor.)
Continental Steel Corporation. (See Schueler, Julian L., assignor.)
Conwell, Scott R., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Bumper guard. 2,203,489; June 4.
Coordes, Harry G., assignor to Briggs Manufacturing Company, Detroit, Mich. Laundry tray unit or the like. 2,203,323; June 4.
Copland, Charles J., North Kansas City, Mo., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Production of dextrose. 2,203,324; June 4.
Corn Products Refining Company. (See Cantor, Sidney M., assignor.)
Corn Products Refining Company. (See Copland, Charles J., assignor.)
Cornell, Walter S. (See Morse, H. B., and Cornell.)

Costello, Patrick J., Utica, N. Y. Beer energizer. 2,203,130; June 4.
Coulson, Bevis P., Jr., Schenectady, N. Y., assignor to General Electric Company. Mercury boiler. 2,202,835; June 4.
Coupland, Richard C., United States Army, Norfolk, Va. Rate mechanism. 2,202,836; June 4.
Covert, Claude J. (See Smaltz, J. C., and Covert.)
Cox, Donald H., assignor to Henney Motor Company, Freeport, Ill. Cot fastener. 2,202,837; June 4.
Coy, Joseph A., Cincinnati, Ohio, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Circuit breaker mechanism. 2,203,131; June 4.
Cox, James L., Danvers, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electric discharge lamp. 2,203,612; June 4.
Crampton, Donald K., Marion, assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Electrical conductor. 2,203,080; June 4.
Cross, Roland C., Combe Down, England. Piston. 2,203,455; June 4.
Crown Cork and Seal Company. (See Rendall, William S., assignor.)
Cruickshank, Lewis, et al. (See Goodwin, Norris, assignor.)
Cube Steak Machine Company. (See Spang, Joseph P., assignor.)
Cullom, George A. (See Dorrington, N. E., and Cullom.)
Cunningham, Andrew J., Eggertsville, N. Y., and Y. Walker, Fort Erie, Ontario, Canada, assignors to A. H. Sharpe, Buffalo, N. Y. Ornamental glassware. 2,203,647; June 4.
Cunningham, Lewis L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure controller. 2,203,523; June 4.
Cushman, Walton W., Webb City, Mo. Rotary engine. 2,203,047; June 4.
Cutler-Hammer, Inc. (See Schmidt, Edwin X., assignor.)
Cutler-Hammer, Inc. (See Seeger, E. W., and Brown.)
Cyr, Benjamin, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motorized burner controller. 2,203,613; June 4.
Daigle, Earl C., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Asphaltic product and producing same. 2,203,081; June 4.
Dake, Charles W., Grand Haven, Mich. Internal combustion engine piston. 2,202,838; June 4.
Daugherty, Albert L., La Grange, Ill. Radio instruction device. 2,203,594; June 4.
Dautrick, Owen L., Detroit, assignor of one-third to L. G. Erb and one-third to A. E. Blow, both of Royal Oak, Mich. Window construction. 2,203,427; June 4.
Davidson, Glenn, Aurora, Ill. Cigarette mouthpiece. 2,202,839; June 4.
Davis, Anderson D., Gastonia, N. C. Clearer roll. 2,202,812; June 4.
Davis, Helen C., London, England. Flatiron. 2,203,276; June 4.
Davis, Lincoln K., Brockton, Mass. Washing device for photographs and the like. 2,203,382; June 4.
Davis, Lincoln K., Brockton, Mass. Washing device for photographs and the like. 2,203,383; June 4.
Dawson, George A. (See Middleton, E. B., and Dawson.)
Deane, Leon C., assignor to Bay State Thread Works, Springfield, Mass. Apparatus for making bobbin core tubes. 2,203,255; June 4.
Dearborn Chemical Company. (See Hinsch, Walter H., assignor.)
Deere & Company. (See Korum, Henry E., assignor.)
Deere & Company. (See Silver, Walter H., assignor.)
Deere & Company. (See Strandlund, Carl G., assignor.)
De Gezelle, Arthur M., Sr., Thorndale, Pa. Bobbinless loom. 2,203,190; June 4.
De Hamer, Janus R. (See Weber, H., and De Hamer.)
de Kramolin, Leon L., Gross-Glienicke, Berlin-Kladow, Germany. Tuning mechanism. 2,202,840; June 4.
Delamere Company. (See Graham, Philip J., assignor.)
Delamere Company. (See Huppert, William, assignor.)
Delamere, Rudolf D., and W. M. Hutcheon, assignors to A. R. Clarke & Company, Limited, Toronto, Ontario, Canada. Viscosimeter. 2,203,132; June 4.
De Laval Separator Company, The. (See Scott, Walter A., assignor.)
Delta Manufacturing Company, The. (See Tautz, Herbert E., assignor.)
De Milt, Arnold C., Neenah, Wis. Game. 2,203,456; June 4.
Dempsey, Arthur E., Jr., Council Bluffs, Iowa, assignor, by mesne assignments, to North American Car Corporation, Chicago, Ill. Air conditioning apparatus. 2,203,406; June 4.
Detroit Testing Machine Company. (See Campbell, R., and Nass, assignors.)
Dettwyler, William. (See Lulek, R. N., and Dettwyler.
Dewey, Charles S. (See Tuley, W. F., Dewey, and Hanslick.)
Dexter Folder Company. (See Hallstream, Henning, assignor.)
De Young, Gerrit. (See Quinlivan, John E., assignor.)
Diamond, Witold, Lwow, Poland. Hydraulic propulsion of ships, boats, and other floating structures. 2,203,010; June 4.
Dichter, Jakob, Berlin-Shoneberg, Germany. Stenciling apparatus. 2,203,457; June 4.
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking mechanism. 2,202,841; June 4.
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake shoe mounting. 2,202,842; June 4.
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid pressure mechanism. 2,203,082; June 4.
Dietrichson, William F., Berwick, Pa., assignor to American Car and Foundry Companay, New York, N. Y. Railway car frame. 2,203,490; June 4.
Dimmick, Glenn L., Erlton, N. J., assignor to Radio Corporation of America. Sound recording. 2,203,191; June 4.
Ditsche, Walter, Wesermunde, assignor of one-half to L. L. von Kramolin, Berlin-Kladow, Germany. Coupling a sound generating system to a sound generating diaphragm. 2,203,428; June 4.
Divco-Twin Truck Company. (See Nicol, John, assignor.)
Dixie-Vortex Company. (See Amberg, Walter E., assignor.)
Dixie-Vortex Company. (See Barbieri, Cesare, assignor.)
Dixie-Vortex Company. (See Smith, H. J., and Bild, assignors.)
Doerr, Robert F., Portsmouth, Ohio. Kite release for parachutes and gliders. 2,203,083; June 4.
Dombrow, Bernard A., New York, N. Y., and R. M. Beach, Newark, assignors to National Oil Products Company, Harrison, N. J. Making sulphonated products. 2,203,524; June 4.
Donaldson, Frank A., St. Paul, Minn. Radiator and air cleaner assembly. 2,203,407; June 4.
Dons, Franciscus C., Amsterdam, Netherlands. Internal combustion engine. 2,203,648; June 4.
Doom, Ernest F., and W. J. Priestley, New Rochelle, N. Y., assignors to Electro Metallurgical Company. Alloy. 2,203,213; June 4.
Doom, Ernest F., New Rochelle, N. Y., assignor to Electro Metallurgical Company. Making alloys. 2,203,214; June 4.
Doppelt, Max J., Chicago, Ill. Duplicating device. 2,203,192; June 4.
Dorrington, Neill E., Oswego, and G. A. Cullom, assignors to St. Regis Paper Company, New York, N. Y. Automatic scale. 2,202,947; June 4.
Douglas, Frank L., Bournemouth, England. Percussion or repercussion apparatus. 2,203,384; June 4.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electrical switching device. 2,203,326; June 4.
Dow Chemical Company, The. (See Partansky, Alexander M., assignor.)
Dräger, Otto H. (See Hollmann, Franz, assignor.)
Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector mechanism. 2,203,256; June 4.
Draper, Charles S., Palo Alto, Calif., assignor to Research Corporation, New York, N. Y. Indicating apparatus. 2,202,900; June 4.
Dreisbach, Robert H., and N. F. Martin, assignors to The Magnavox Company Incorporated. Fort Wayne, Ind. Thermionic tube circuit. 2,203,277; June 4.
Drews, Gustav. (See Hansen, James, assignor.)
Dreyfus, Henry, London, England. Treatment of carbonaceous materials. 2,202,901; June 4.
Drying Systems, Inc. (See Porwancher, Samuel R., assignor.)
Drypolcher, William, Valley Stream, N. Y., assignor to L. Obstfeld, Brooklyn, N. Y., and A. Obstfeld, New York, N. Y. Staple remover. 2,202,984; June 4.
Dublin, Robert A., et al., as trustee. (See Girardi, F., and Cipullo, assignors.)
Du Bois, Kenneth W., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric brooder heater. 2,203,215; June 4.
Duchrow, Herman. (See Wittenberg, E., and Duchrow.)
Duesel, Bernard F. (See Tisza, E. T., Duesel, and Friedman.)
Dumbleton, Claude. (See Pointon, J. E. and Dumbleton.)
Duncan Electric Manufacturing Company. (See Green, Stanley S., assignor.)
Dunlop Rubber Company. (See James, Robert G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., Spiegler, and Tinker, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lulek, R. N., and Dettwyler, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lycan, William H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Nieuwland, Julius A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Parmelee, Howard M., assignor.)
Du Pont Film Manufacturing Corp. (See Middleton, Edmund B., assignor.)
Du Pont Film Manufacturing Corporation. (See Middleton, E. B., and Dawson, assignors.)
Dupree, Samuel F., Jr., Shaker Heights, Ohio. Sealing means for shafts. 2,203,525; June 4.
Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)

Eastman Kodak Company. (See Capstaff, John G., assignor.)
Eastman Kodak Company. (See Ehrenfried, George, assignor.)
Eastman Kodak Company. (See Evans, Ralph M., assignor.)
Eastman Kodak Company. (See Figg, Louis J., Jr., assignor.)
Eastman Kodak Company. (See Kunkel, Frederick W., assignor.)
Eastman Kodak Company. (See Lechleitner, A. E., and Martin, assignors.)
Eastman Kodak Company. (See MacAdam, D. L., and Staud, assignors.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Schubert, Alvin E., assignor.)
Eastman Kodak Company. (See Sheppard, S. E., and Houck, assignors.)
Eastman Kodak Company. (See Young, D'Arcy A., Jr., assignor.)
Eaton Manufacturing Company. (See Shaw, Clarence W., assignor.)
Edison General Electric Appliance Company. (See Randolph, C. P., and Kempton, assignors.)
Edison, Thomas A., Incorporated. (See La Forest, Louis Z., assignor.)
Edwards, Bruce V., East Orange, N. J. Shredding machine. 2,202,843; June 4.
Edwards, George L., Fuquay Springs, N. C. False face. 2,203,562; June 4.
Edwards, Irving W., Detroit, Mich. Strand or cable. 2,202,844; June 4.
Egenas, Severin L., assignor to H. Hille, Chicago, Ill. Aerial navigation. 2,202,987; June 4.
Eggert, John. (See van Briessen, K., and Eggert.)
Ehrenfried, George, assignor to Eastman Kodak Company, Rochester, N. Y. Color correction. 2,203,652; June 4.
Ehrhart, Gustav. (See Bockmühl, Ruschig, and Aumüller.)
Eidco, Incorporated. (See Hokanson, Martin, assignor.)
Eilers, Charles A. (See Schwarz, H., and Eilers.)
Ekstrom, A. Ivar, Rockford, Ill. Sewing cabinet. 2,203,563; June 4.
Electric & Musical Industries, Ltd. (See Bentley, Lawrence C., assignor.)
Electric & Musical Industries Limited. (See Klemperer, Otto, assignor.)
Electro Metallurgical Company. (See Doom, Ernest F., assignor.)
Electro Metallurgical Company. (See Doom, E. F., and Priestley, assignors.)
Electrolux Corporation. (See Forsberg, Axel A., assignor.)
Electrolux Corporation. (See Hansson, Erik O. H., assignor.)
Electronic Research Corporation. (See Bennett, Willard H., assignor.)
Electronic Research Corporation. (See Slayter, Games, assignor.)
Electrons, Inc. (See Smith, Earl K., assignor.)
Ellestad, Gerhard A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,203,408; June 4.
Ellis, George H., and H. C. Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of textile and other materials. 2,202,902; June 4.
Ellis, Guy P. and J. T., Lake Charles, La. Pipe cutter. 2,203,011; June 4.
Ellis, James T. (See Ellis, Guy P., and J. T.)
Ellis, James T., Lake Charles, La. Pipe cutter. 2,202,985; June 4.
Ellis, James T., Lake Charles, La. Pipe cutter. 2,202,986; June 4.
Engle, Ralph L., Oden, Mich. Nail for fastening sheeting. 2,203,294; June 4.
Englert, Joseph B., Akron, Ohio. Detachable spout for containers. 2,203,133; June 4.
Erb, Lewis G., et al. (See Dautrick, Owen L., assignor.)
Espelta, Manuel J., Franklinville, N. J. Nonskid and braking device for vehicles. 2,203,459; June 4.
Ettinger, Joe J., Warsaw, Ind. Folding litter. 2,203,193; June 4.
Euclid Road Machinery Company, The. (See Armington, Arthur P., assignor.)
Euwer, Herbert D., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Reversible blower unit. 2,203,491; June 4.
Evans Case Company. (See Kun, Eugene, assignor.)
Evans, Charles S., Oakland, assignor to Fibreboard Products Inc., San Francisco, Calif. Fiberboard structure and making the same. 2,203,084; June 4.
Evans, Frank. (See Miller, J. H., and Evans.)
Evans, John G., H. A. Piggott, R. J. W. Reynolds, J. D. Rose, and E. E. Walker, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Dyed cellulosic material. 2,203,492; June 4.
Evans, John G., H. A. Piggott, R. J. W. Reynolds, J. D. Rose, and E. E. Walker, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Treatment of cellulosic material. 2,203,493; June 4.
Evans, Ralph M., assignor to Eastman Kodak Company, Rochester, N. Y. Integral mask for color film. 2,203,653; June 4.
Evans, William E., Waterbury, assignor to The Waterbury Lock and Specialty Company, Milford, Conn. Rolling rule. 2,203,134; June 4.
Excelsior Pearl Works, Inc. (See Bacon, Leonard W., Jr., assignor.)
Fairmont Glass Works, Incorporated. (See Figel, Jesse E., assignor.)
Fairweather, David A. W., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Dry dyestuff preparation. 2,203,257; June 4.
Falk Corporation, The. (See Schmitter, Walter P., assignor.)
Falk Corporation, The. (See Schmitter, W. P., and Bade, assignors.)
Faltz, William D. (See Isidore, R., and Faltz.)
Farnsworth, Harry A., Elkhart, Kans. Water gate for pneumatic tires. 2,203,564; June 4.
Farnsworth, Philo T., Springfield Township, Montgomery County, Pa., and R. L. Snyder, Glassboro, N. J., assignors, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Shielded anode electron multiplier. 2,203,048; June 4.
Farnsworth Television & Radio Corporation. (See Farnsworth, P. T., and Snyder, assignors.)
Farrington, Charles E., Phoenixville, Pa. Paint mixing apparatus. 2,203,135; June 4.
Featheredge Rubber Company. (See Hood, Harry M., assignor.)
Federer, Robert, Sheboygan, Wis. Bowling alley. 2,203,458; June 4.
Feibelmann, Richard, assignor to Aktivin Corporation, New York, N. Y. Lecithin product and making the same. 2,203,295; June 4.
Felkers, Pieter F., Dordrecht, assignor to Stikstofbindingsindustrie "Nederland" N. V., Kilkade, Zeehaven, Dordrecht, Netherlands. Acid solution. 2,203,649; June 4.
Felten & Guilleaume Carlswerk Eisen & Stahl A. G. (See Thiemer, Hans, assignor.)
Fergueson, Arthur P., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield. 2,202,903; June 4.
Fergueson, Arthur P., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield and mounting. 2,202,904; June 4.
Fernseh Aktiengesellschaft. (See Flechsig, Werner, assignor.)
Ferrill, Thomas M., Jr., West Hartford, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Distributing apparatus. 2,203,258; June 4.
Ferry, John T., Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Tabulating machine. 2,203,327; June 4.
Fettig, Arthur J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,202,948; June 4.
Fibreboard Products Inc. (See Evans, Charles S., assignor.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Böhme, Joachim, assignor.)
Fieber, Karl W., Berlin-Charlottenburg, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Apparatus for measuring fluid pressure. 2,203,460; June 4.
Field, Alfred L., Batavia, N. Y. Boat. 2,203,565; June 4.
Figg, Louis J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Denatured alcohol containing aldol. 2,202,845; June 4.
Figel, Jesse E., assignor to Fairmont Glass Works, Incorporated, Indianapolis, Ind. Lehr feeder. 2,203,385; June 4.
Finch, William G. H., Spuyten Duyvill, N. Y. Continuous sheet facsimile system. 2,203,461; June 4.
Firestone Tire & Rubber Company, The. (See Hale, James E., assignor.)
Flechsig, Werner, Berlin-Charlottenburg, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Electrical oscillator for generation of high frequencies. 2,203,085; June 4.
Fleischel, Gaston, Bleneau, France. Device for control and operation by fluid servo-motor. 2,203,296; June 4.
Florence Stove Company. (See Reeves, Herbert M., assignor.)
Fogler, Ben B. (See Stevenson, E. P., and Fogler.)
Foley, James R., Manchester, Conn. Skate. 2,203,278; June 4.
Ford, Eugene A., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Perforated record sensing device. 2,203,013; June 4.
Forsberg, Axel A., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,203,650; June 4.
Fowler, Owen H., Detroit, Mich., assignor to Bendix Products Corporation, South Bend, Ind. Brake tester. 2,203,136; June 4.
Fox, Charles A., assignor to James R. Kearney Corporation, St. Louis, Mo. Surge arrester. 2,203,349; June 4.

Francis, Joel B., Collegeville, assignor to Collegeville Flag & Mfg. Co., Collegeville, Pa. Shoe covering. 2,203,429; June 4.

Frank, William H., Detroit, Mich. Circuit breaker. 2,203,462; June 4.

Franz, Frederick, New Haven, A. H. Boesch, Danbury, Conn., and R. Pash, Roselle, N. J., said F. Franz and R. Pash assignors to said A. H. Boesch. Apparatus for and method of treating hat bodies. 2,203,409; June 4.

Frazier, Robert T., assignor to Cavalier Corporation, Chattanooga, Tenn. Calculator. 2,203,194; June 4.

Freeman, Nat H., London, England. Apparatus for producing gas from carbon containing materials. 2,203,137; June 4.

Freeman, Raymond A., Mount Vernon, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Web roll controlling mechanism for printing machines. 2,203,014; June 4.

Friedel, Arthur C., assignor to J. F. Friedel Paper Box Company, Syracuse, N. Y. Knockdown box or crate. 2,203,625; June 4.

Friedel, J. F., Paper Box Company. (See Friedel, Arthur C., assignor.)

Friedman, Harris L. (See Tisza, E. T., Duesel, and Friedman.)

Froland, Olav, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,203,350; June 4.

Froland, Olav, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,203,351; June 4.

G. & G. Precision Works, Inc. (See Goldberg, G., and Graf, assignors.)

Gardiner's Conveyors Limited. (See Williams, John L., assignor.)

Garlock Packing Company. (See Hubbard, Cecil R., assignor.)

Garner, Ernest P., Charlotte, N. C. Disappearing stairway. 2,203,086; June 4.

Garvey, Benjamin S., Akron, and C. H. Alexander, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Copolymers of polyallyl esters and polymerizable unsaturated compounds. 2,202,846; June 4.

Gausmann, Carl, assignor to Junkers Flugzeug-und Motorenwerke Aktiengesellschaft, Dessau, Germany. Adjustable screw propeller. 2,202,813; June 4.

Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)

Geiger, David F., assignor of one-half to Carl J. Nyquist, Los Angeles, and one-half to Rudolph Shuhart, Summit City, Calif. Acetylene generator. 2,202,847; June 4.

Geiger, David F., assignor of one-half to Carl J. Nyquist, Los Angeles, and one-half to Rudolph Shuhart, Summit City, Calif. Acetylene generator. 2,202,848; June 4.

Geisler, Otmar, assignor to Suddeutsche Apparate-Fabrik G. m. b. H., Nuremberg, Germany. Manufacturing selenium valve disk for rectifiers and photoelectric cells. 2,203,328; June 4.

Gelb, Joseph, New York, N. Y. Lamp. 2,203,410; June 4.

General Aniline & Film Corporation. (See Rabe, P., and Roos, assignors.)

General Aniline & Film Corporation. (See van Briessen, K., and Eggert, assignors.)

General Aniline & Film Corporation. (See Zitscher, A., Schmitt, and Kracker, assignors.)

General Electric Company. (See Beggs, James E., assignor.)

General Electric Company. (See Carpenter, Robert J., assignor.)

General Electric Company. (See Coulson, Bevis P., Jr., assignor.)

General Electric Company. (See Gwathmey, Lomax, assignor.)

General Electric Company. (See Haigh, Frederick A., assignor.)

General Electric Company. (See Kimball, Donald G., assignor.)

General Electric Company. (See Peterson, Carl U., assignor.)

General Electric Company. (See Ryder, Clifford, assignor.)

General Electric Company. (See von Hoorn, Fred G., assignor.)

General Mills, Inc. (See Andrews, John S., assignor.)

General Motors Corporation. (See Bacon, Elbridge F., assignor.)

General Motors Corporation. (See Conwell, Scott R., assignor.)

General Motors Corporation. (See Harry, Gordon W., assignor.)

General Motors Corporation. (See Kamrath, Herbert G., assignor.)

General Motors Corporation. (See Koubek, J. L., and Taylor, assignors.)

General Motors Corporation. (See Michel, Clarence A., assignor.)

General Motors Corporation. (See Randolph, Donald W., assignor.)

General Motors Corporation. (See Smith, Harry F., assignor.)

General Plastics, Inc. (See Shepard, A. F., Boiney, and Sontag, assignors.)

General Printing Ink Corporation. (See Koppe, Alexander T., assignor.)

General Time Instruments Corporation. (See Long, Albert E., assignor.)

George, Thomas J., assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,203,432; June 4.

Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,203,463; June 4.

Gibbs, Walter A., Holly Oak, Del. Removing bones from fish. 2,203,566; June 4.

Gilbertson, Isaac H., Middleton, England. Machine for polishing rollers, such as used in printing machines. 2,203,567; June 4.

Gillespie, Percy J., London, England. Blotting device. 2,203,195; June 4.

Gilman, Martin J., Gilman, Conn. Portable dummy. 2,203,259; June 4.

Gilson, John J., Jr. (See Wiemer, Edward G., assignor.)

Gilson, William B., Naugatuck, Conn., assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,203,015; June 4.

Ginnaty, John R., Villa Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Sprinkler control system. 2,203,138; June 4.

Girardi, Frank, and S. Cipullo, assignors to R. A. Dublin and A. Torretta, Chicago, Ill., as trustees. Gearshift mechanism. 2,202,950; June 4.

Girardi, Frank, and S. Cipullo, assignors to R. A. Dublin and A. Torretta, Chicago, Ill., as trustees. Gearshift mechanism. 2,202,949; June 4.

Glass, Thomas G. (See Loggins, Jack C., assignor.)

Globe-Wernicke Company, The. (See Link, Forest, assignor.)

Goldberg, George, and E. Graf, New York, N. Y., assignors to G. & G. Precision Works, Inc. Portable mixer. 2,203,430; June 4.

Goldmann, Joachim, Berlin-Wilmersdorff, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Tuning arrangement for high frequency apparatus. 2,203,329; June 4.

Goldmark, Peter C., assignor to Markia Corporation, New York, N. Y. Method and apparatus for producing echo effects. 2,203,352; June 4.

Goldmark, Peter C., New York, N. Y. Method and apparatus for signal translation. 2,203,353; June 4.

Goldner, George W., assignor to James R. Kearney Corporation, St. Louis, Mo. Sectionalizing cutout. 2,203,330; June 4.

Goldsworthy, Marion C., Takoma Park, Md.; dedicated to the free use of the People in the Territory of the United States. Fungicide. 2,203,431; June 4.

Goodman Manufacturing Company. (See Wood, Frank J., assignor.)

Goodrich, B. F., Company, The. (See Garvey, B. S., and Alexander, assignors.)

Goodstein, Charles B., Brooklyn, N. Y. Staple blank. 2,202,905; June 4.

Goodwin, Norris, Long Beach, assignor, by mesne assignments, to Hewlings Mumper and Lewis Cruickshank, Los Angeles, Calif. Making magnesium silicate products. 2,203,614; June 4.

Goserud, Chester O., St. Paul, Minn. Sash hanger. 2,203,049; June 4.

Gowland, Russell H., et al. (See Hayes, Carlton Z., assignor.)

Graf, Emil. (See Goldberg, G., and Graf.)

Graham, Matthew P. (See Hufferd, G. H., and Graham.)

Graham, Philip J., Worcester, Mass., assignor to Delamere Company, Inc., Jersey City, N. J. Hair curler. 2,203,050; June 4.

Granberg, Bengt R., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Control mechanism. 2,203,297; June 4.

Granberg, Bengt R., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 2,203,298; June 4.

Grand Rapids Brass Company. (See Roedding, Gordon E., assignor.)

Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Dispensing device. 2,203,626; June 4.

Grant, Rudolph R., assignor of one-fourth to M. Isaacson, Dayton, Ohio, and one-fourth to S. Shappirio, Washington, D. C. Resins, gums, and balsams. 2,202,849; June 4.

Graser, Fred H. (See Uecker, R. A., Rambo, Beatty, and Graser.)

Grau, Herbert E., and R. K. Hertel, Vernon, assignors to Byron Jackson Co., Huntington Park, Calif. Drilling hook. 2,203,139; June 4.

Graves, Edward B., South Euclid, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray apparatus. 2,203,279; June 4.

Green, Roscoe B., Peoria, and A. V. Pennington, East Peoria, Ill. Heat detector. 2,203,051; June 4.

Green, Stanley S., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Pivot for watthour disks and the like. 2,203,411; June 4.

Green, William G., Tulsa, Okla. Seismic prospecting. 2,203,140; June 4.

Greenhill, Harold, Chicago, Ill. Cup holder and dispenser. 2,203,494; June 4.

Grondahl, Karl T., Goteborg, Sweden. Magnetic shuttle motion. 2,203,568; June 4.

Gross, Arthur R. (See Munson, C. R., and Gross.)

Gruetter, John R., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Pasteurizing apparatus. 2,203,141; June 4.

Gruner, William P. (See Uhri, W. C., Jr., and Gruner.)

Gruse, William A. (See Stevens, D. R., and Gruse.)

Guignon, Emile S., Jr., Kansas City, Mo. Building structure. 2,202,850; June 4.

Gulf Oil Corporation. (See Hoe, Harold M., assignor.)

Gulf Oil Corporation. (See Stevens, D. R., and Gruse, assignors.)

Gulf Research & Development Company. (See Brandes, Oliver L., assignor.)

Gulf Research & Development Company. (See Powers, Kenneth P., assignor.)

Gump, B. F., Co., The. (See Berry, E. G., and Williams, assignors.)

Gump, B. F., Co., The. (See Berry, E. G., Hazle, and Williams, assignors.)

Gump, B. F., Co., The. (See Williams, W. M., and Berry, assignors.)

Gundian, Nicolas U., Iquique, Chile. Mooring device. 2,203,433; June 4.

Gurries, Albert G., assignor to Be-Ge Manufacturing Company, Gilroy, Calif. Dumping scraper. 2,203,615; June 4.

Gurries, Albert G., assignor to Be-Ge Manufacturing Company, Gilroy, Calif. Spreading and grading attachment for scrapers. 2,203,616; June 4.

Gwathmey, Lomax, Baltimore, Md., assignor to General Electric Company. Method of and apparatus for controlling temperature. 2,203,526; June 4.

H & B Machine Company. (See Walsh, Christopher, assignor.)

H & B American Machine Company. (See Repass, G., and Ahlberg, assignors.)

H & B American Machine Company. (See Walsh, Christopher and S. R., assignors.)

Haas, Samuel H., Los Angeles, Calif. Valve seat grinding implement. 2,203,142; June 4.

Haas, Samuel H., Los Angeles, Calif. Valve seat grinding implement. 2,203,143; June 4.

Hacklander, Hans, Tinley Park, and H. J. Le Vesconte, Western Springs, assignors to Union Special Machine Company, Chicago, Ill. Feed mechanism for sewing machines. 2,203,386; June 4.

Hahn, Arthur W., Jr., Little Neck, and R. E. Hahn, Floral Park, Long Island, N. Y. Miniature artificial Christmas tree. 2,203,016; June 4.

Hahn, Russell E. (See Hahn, Arthur R., Jr., and R. E.)

Haigh, Frederick A., Rugby, England, assignor to General Electric Company. Electric control system. 2,203,527; June 4.

Hale, George C., Dover, N. J. Explosive. 2,202,851; June 4.

Hale, James E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 2,203,617; June 4.

Hall, Elwin B., Los Angeles, and A. L. Armentrout, Santa Maria, Calif., assignors to Security Engineering Co. Inc. Device for use in wells. 2,203,595; June 4.

Hall, Roy W., Berwyn, assignor to The Mantle Lamp Company of America, Chicago, Ill. Bracket for lamps and the like. 2,202,814; June 4.

Hallden, Karl W., Thomaston, Conn. Flying cutting device. 2,203,260; June 4.

Hallstream, Henning, Braintree, Mass., assignor, by mesne assignments, to Dexter Folder Company, Pearl River, N. Y. Pickup for sheet feeders. 2,203,261; June 4.

Hallwood, Thomas H., Columbus, Ohio. Fountain type soldering iron. 2,203,299; June 4.

Hammond Instrument Company. (See George, Thomas J., assignor.)

Hammond, Laurens, Chicago, Ill. Musical instrument. 2,203,569; June 4.

Hammond, William A., Yellow Springs, Ohio. Drying agent and making and using the same. 2,203,144; June 4.

Hamnett, Samuel A., Los Angeles, Calif. Grinding apparatus. 2,203,262; June 4.

Hanhart, Walter, Riehen, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Polyaze dyestuffs and making same. 2,203,106; June 4.

Hanke, Edwin W. F., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,203,300; June 4.

Hansen, James, Flushing, assignor of one-half to Gustav Drews, Brooklyn, N. Y. Valve. 2,202,852; June 4.

Hanslick, Roy S. (See Tuley, W. F., Dewey, and Hanslick.)

Hanson, Frederick A., Los Angeles, Calif. Partition for sinks. 2,203,052; June 4.

Hanson, Hartwig M., assignor to The C. M. Kemp Manufacturing Co., Baltimore, Md. Drying printing ink. 2,203,087; June 4.

Hansson, Erik O. H., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,203,088; June 4.

Hardick, Floyd W. (See Schofield, T. J., and Hardick.)

Harnett, Daniel E., Tuckahoe, N. Y., assignor to Hazeltine Corporation. Television scanning system. 2,203,528; June 4.

Harrington, Ferris T., L. R. Twyman, and J. Robinson, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,203,354; June 4.

Harrington, James R., Mansfield, assignor, by mesne assignments, to The Autocall Company, Shelby, Ohio. Electric signaling, supervising, and recording system. 2,202,853; June 4.

Harry, Gordon W., assignor to General Motors Corporation, Detroit, Mich. Pump. 2,203,464; June 4.

Hartanov, Andrew S., assignor to Industrial Patents Corporation, Chicago, Ill. Treatment of beef carcasses. 2,202,951; June 4.

Hartford-Empire Company. (See Mulholland, Vergil, assignor.)

Hartford-Empire Company. (See Willetts, Paul G., assignor.)

Hartley, Howard J., Lansdale, Pa., assignor to United States Gauge Company, New York, N. Y. Steam and sediment trap for a pressure responsive instrument. 2,203,434; June 4.

Hartnett, John F., Cleveland Heights, assignor to Wilson Fastener Company, Cleveland, Ohio. Fastener tape. 2,202,854; June 4.

Harvey, Christian M., Zavalla, Tex., assignor to Blaw-Knox Company, Pittsburgh, Pa. Striping machine. 2,203,529; June 4.

Hawaiian Pineapple Company. (See Hjetle, M. C., and Todd, assignors.)

Hawley, Melville S., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone receiver. 2,202,906; June 4.

Hayes, Carlton Z., Buffalo, assignor of one-third to W. L. Bradley, Eggertsville, and one-third to R. H. Gowland, Buffalo, N. Y. Window sash fastener or holder. 2,202,952; June 4.

Hazeltine Corporation. (See Cawein, Madison, assignor.)

Hazeltine Corporation. (See Harnett, Daniel E., assignor.)

Hazle, Albert J., Jr. (See Berry, E. G., Hazle, and Williams.)

Heath, Almon A., Hawthorne, Calif. Stencil film. 2,203,280; June 4.

Heberlein Patent Corporation. (See Weiss, Ernst, assignor.)

Heiniger, Walter, Huttwil (Zell), Switzerland. Game. 2,203,145; June 4.

Henney Motor Company. (See Cox, Donald H., assignor.)

Henney Motor Company. (See Jacobs, Walter T., assignor.)

Henry, Murray W., San Antonio, Tex. Spring door hinge and check. 2,203,197; June 4.

Hercules Powder Company. (See Ray, Philip A., assignor.)

Hertel, Richard K. (See Grau, H. E., and Hertel.)

Hevi Duty Electric Company. (See Smalley, Edwin L., assignor.)

Hexdall, Andrew M., Morris, Ill. Fastening device. 2,203,146; June 4.

Hierta, Hans. (See Sloman, C. M., and Hierta.)

Hill, George M., and H. D. Clark, Riverside, Calif. Box strap holder and loader. 2,203,412; June 4.

Hille, Hermann. (See Egenas, Severin L., assignor.)

Himmer, Vitalis. (See Settel, E. H., and Himmer.)

Hines, John, Astoria, Long Island, and L. Segal, New York, N. Y., assignors to C. M. Palmer, Washington, D. C. Hand grenade. 2,203,640; June 4.

Hines, Joseph E., Kensington, Md. Recipe and menu cabinet. 2,203,053; June 4.

Hinsch, Walter H., assignor to Dearborn Chemical Company, Chicago, Ill. Flow switch. 2,203,331; June 4.

Hjelte, Marshall C., and F. N. Todd, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Fruit cutting machine. 2,203,627; June 4.

Hoe, Harold M., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Apparatus for depositing foam on liquid surfaces. 2,203,301; June 4.

Hoe, R., & Co. (See Freeman, Raymond A., assignor.)

Hogan, John V. L., Forest Hills, and H. C. Ressler, Richmond, assignors to Radio Inventions, Inc., New York, N. Y. Facsimile recorder. 2,202,855; June 4.

Hohner, M., Inc. (See Petersen, Herman, assignor.)

Hokanson, Martin, assignor to Eldco, Incorporated, Duluth, Minn. Drill bit. 2,203,216; June 4.

Holding, Robert S., Jr. (See Robinson, E. N., Jr., and Krukau, assignors.)

Hollebone, Joseph E., Woolwich, London, England. Air cleaning or filtering device. 2,203,570; June 4.

Hollenback, George M., Los Angeles, Calif. Dental device. 2,203,089; June 4.

Hollingsworth, Maurice H., Miami Beach, Fla. Horn button operating device. 2,203,281; June 4.

Hollmann, Franz, assignor to O. H. Dräger, Lubeck, Germany. Measuring and testing instrument for oxygen breathing apparatus. 2,203,147; June 4.

Holmes, Michael J., Windsor, Ontario, Canada. Automatic mixer and dispenser of carbonated and noncarbonated drinks. 2,203,054; June 4.

Holt, Grover J. (See Rakowsky, V., Arms, and Holt.)

Holter, Mary C., Baltimore, Md. Dauber. 2,202,907; June 4.

Holzer, Hiram A., assignor to United Iron Works Company, Pittsburg, Kans. Pumping unit. 2,203,148; June 4.

Honsaker, Charles C., Philadelphia, Pa. Apparatus for and method of inducing pyrexia. 2,203,263; June 4.
Hood, Harry M., Chicago, Ill., assignor to Featheredge Rubber Company, Inc. Armrest. 2,203,413; June 4.
Hooker, Calvin A., et al., trustee. (See Bartel, Charles F., and W. C., assignors.)
Hoover Company, The. (See Becker, Bernard C., assignor.)
Hoover Company, The. (See Bell, William C., assignor.)
Hoover Company, The. (See Carlson, Vernon E., assignor.)
Hoover Company, The. (See Gerber, Dale C., assignor.)
Hoover Company, The. (See Kitto, William H., assignor.)
Hoover Company, The. (See Kitto, W. H., and Siedle, assignors.)
Hoover Company, The. (See Siedle, A. D., and Kitto, assignors.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hoover Company, The. (See Taylor, Charles H., assignor.)
Hoover, Valno, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Variable speed drive system. 2,203,149; June 4.
Hopff, Heinrich, and W. Rapp, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of butane-polycarboxylic acids. 2,203,628; June 4.
Horstman, Walter G., Des Moines, Iowa. Door construction. 2,203,264; June 4.
Hottel, James F., Washington, D. C. Boat anchor. 2,202,856; June 4.
Houck, Robert C. (See Sheppard, S. E., and Houck.)
Houdaille-Hershey Corporation. (See Ferguson, Arthur P., assignor.)
Houde Engineering Corporation. (See Peo, R. F., and Bliss, assignors.)
Houde Engineering Corporation. (See Potter, Elbert L., assignor.)
Howland, Louis H., Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Treating rubber and product obtained thereby. 2,203,090; June 4.
Hubbard, Cecil R., assignor to The Garlock Packing Company, Palmyra, N. Y. Machinery packing. 2,202,908; June 4.
Hufferd, George H., and M. P. Graham, Detroit, Mich., assignors to Thompson Products, Incorporated, Cleveland, Ohio. Drag link body and making same. 2,202,909; June 4.
Hughes, Eric C., et al. (See Slee, Arthur L., assignor.)
Hughes, Jennie C., et al. (See Slee, Arthur L., assignor.)
Hughes, Maxwell B., et al. (See Slee, Arthur L., assignor.)
Hund, Walter J., and S. B. Thomas, Oakland, and D. B. Luten, Jr., Berkeley, assignors to Shell Development Company, San Francisco, Calif. Recovering alkyl phenols from petroleum oils. 2,203,217; June 4.
Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair curler. 2,203,218; June 4.
Hutcheon, William M. (See Delamere, R. D., and Hutcheon.)
Hutchinson, Merrill, Edina, Minn. Tube cake pan with cake loosening means. 2,203,091; June 4.
Hutchison, Tom N., Hobbs, N. Mex. Liquid cement well. 2,203,571; June 4.
Huttig Sash & Door Co. (See Trammell, Earl M., assignor.)
Hygrade Sylvania Corporation. (See Cox, James L., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hopff, H., and Rapp., assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Perlick, A., and Steinmetz, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Christmann, assignors.)
Ilische, Arthur, Rye, N. Y. Button fastener. 2,203,017; June 4.
Imperial Chemical Industries Limited. (See Evans, J. G., Piggott, Reynolds, Rose, and Walker.)
Imperial Chemical Industries Limited. (See Fairweather, David A. W., assignor.)
Imperial Chemical Industries Limited. (See Piggott, H. A., and Rose, assignors.)
Imperial Chemical Industries Limited. (See Piggott, H. A., and Woolvin, assignors.)
Industrial Patents Corporation. (See Hartanov, Andrew S., assignor.)
Industrial Patents Corporation. (See Lager, Eric W., assignor.)
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Inman, Ulysses A., Long Beach, Calif. Shaft or tube press. 2,203,092; June 4.
International Boiler Works Co., The. (See Rockefeller, Robert J., assignor.)
International Boiler Works Co., The. (See Taylor, Ernest H., assignor.)
International Business Machines Corporation. (See Ford, Eugene A., assignor.)
International Business Machines Corporation. (See Gilson, William B., assignor.)
International Business Machines Corporation. (See Lewis, W. L., and Wilkerson, assignors.)
International Business Machines Corporation. (See Smith, Clarence C., assignor.)
International Business Machines Corporation. (See Thorsson, Matthew T., assignor.)
International Standard Electric Corporation. (See Bruzau, M. E. A., Van Mierlo, and Bour, assignors.)
International Standard Electric Corporation. (See Labin, Emile, assignor.)
Interwoven Stocking Company. (See Miller, J. H., and Evans, assignors.)
Irvin, Harry J., Dayton, Ohio. Kite. 2,203,150; June 4.
Isaacson, Max, et al. (See Grant, Rudolph R., assignor.)
Isidore, Raymond, Millvale, and W. D. Faltz, Irwin, Pa., said Faltz assignor to said Isidore. Tooth paste dispenser. 2,203,629; June 4.
Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Trimming machine. 2,202,910; June 4.
Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Welding of lengths of strip metal. 2,203,151; June 4.
Jackman, Arthur E., Jr., assignor to The Timken Roller Bearing Company, Canton, Ohio. Cap bolt lock. 2,203,219; June 4.
Jackson, Corwill, Ludington, Mich. Ballast working implement. 2,203,018; June 4.
Jackson, Ernest W., Chatsworth, Ga., assignor of one-third to B. J. Chromy, Washington, D. C. Tufting attachment for sewing machines. 2,203,220; June 4.
Jacobs, Walter T., assignor to Henney Motor Company, Freeport, Ill. Footrest for vehicles. 2,202,857; June 4.
James, Robert G., Wylde Green, Birmingham, assignor to Dunlop Rubber Company, Limited, London, England. Assembling rubber filaments into thread. 2,203,387; June 4.
Johnson, Endicott, Corporation. (See Morse, H. B., and Cornell, assignors.)
Johnson, Harry L., Minneapolis, Minn. Grain separator. 2,203,152; June 4.
Johnson, James P., Shaker Heights, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio. Pump. 2,202,911; June 4.
Johnson, James P., Shaker Heights, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio. Gear pump and relief valve. 2,202,912; June 4.
Johnson, James P., Shaker Heights, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio. Gear pump. 2,202,913; June 4.
Johnson, Oscar F. (See Johnson, Roy A., and O. F.)
Johnson, Richard A., Moncure, N. C. Manure spreader. 2,202,858; June 4.
Johnson, Robert H., Morgantown, W. Va. Striping or banding machine. 2,203,572; June 4.
Johnson, Roy A., and O. F. Johnson, Chicago, Ill. Gauge. 2,203,019; June 4.
Johnson, Roy W., Milwaukee, Wis. Thermoresponsive metering valve. 2,203,153; June 4.
Johnston, Charles F., Oakland, Calif. Piston ring. 2,203,154; June 4.
Johnston, Mordeca O. (See O'Neill, F. E., and Whealton, assignors.)
Jones, Carl G., and H. G. Titus, Youngstown, Ohio, assignors to Youngstown Sheet and Tube Company. Method and apparatus for removing burrs. 2,202,914; June 4.
Jones, Harry L. (See Sessions, H. L., and Jones.)
Jones, Ralph E., Grand Rapids, Mich. Hair clipping and shaving device. 2,203,020; June 4.
Jones, Ralph E., Grand Rapids, Mich. Mechanical shaving or hair clipping device. 2,203,021; June 4.
Jonker, Johan L. H., and A. J. W. M. van Overbeek, Eindhoven, Netherlands, assignors, by mesne assignments to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,203,221; June 4.
Jullien, John E. (See Jullien, Leon, and J. E.)
Jullien, Leon, and J. E. Jullien, Orcutt, Calif. Card holder. 2,203,155; June 4.
Junge, Herman, Annapolis, Md. Lawn mower. 2,203,198; June 4.
Junkers Flugzeug-und-Motorenwerke-Aktiengesellschaft. (See Gausmann, Carl, assignor.)
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Muttray, J., and Vogel, assignors.)
Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J. Mechanical pencil. 2,203,093; June 4.
Kahn, David, Inc. (See Kahn, David, assignor.)
Kahn, Julian S., New York, N. Y. Combined container opener and liquid dispenser. 2,203,156; June 4.
Kamplade, Heinrich, assignor to Heinrich Lanz, Aktiengesellschaft, Mannheim, Germany. Operating position adjustment for harvesting machines. 2,203,022; June 4.
Kamrath, Herbert G., Flint, assignor to General Motors Corporation, Detroit, Mich. Nodulated oil filter. 2,203,495; June 4.
Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Apparatus for deaerating sirup. 2,203,388; June 4.
Kapp, Max. (See Buchner, M. and Kapp.)

Kapp, Roland, Newark, assignor to National Oil Products Company, Harrison, N. J. Stable emulsion. 2,203,641; June 4.
Kapp, Roland, Newark, assignor to National Oil Products Company, Harrison, N. J. Sulphonation product. 2,203,642; June 4.
Kasch, Charles H., assignor to H. C. Simmons, Davenport, Iowa. Abrading. 2,203,530; June 4.
Kearney, James R., Corporation. (See Fox, Charles A., assignor.)
Kearney, James R., Corporation. (See Froland, Olav, assignor.)
Kearney, James R., Corporation. (See Goldner W., assignor.)
Kearney, James R., Corporation. (See Meboid, Frederick W., assignor.)
Kearney, James R., Corporation. (See Tallman, Oscar F., assignor.)
Keen, Thomas A., San Mateo, Calif., assignor to H. M. Smith, River Forest, Ill. Annunciator. 2,203,630; June 4.
Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Power dividing and transmitting mechanism. 2,203,282; June 4.
Kelley, Walter F., Whitestone, assignor to Remington Rand Inc., Buffalo, N. Y. Statistical card punch. 2,203,355; June 4.
Kelly, Frank M., Cincinnati, Ohio. Shipping package. 2,203,199; June 4.
Kemp, C. M., Manufacturing Company, The. (See Hanson, Hartwig M., assignor.)
Kempe, Irwin T., Longparish, Andover, England. Cable layer. 2,203,435; June 4.
Kemptner, Frank. (See Pica, Daniel.)
Kempton, Leslie A. (See Randolph, C. P., and Kempton.)
Kendall, Carl W., Moorestown, N. J. Mixing machine. 2,203,356; June 4.
Kennedy, Benjamin H., Pittsford, N. Y. Infant's bathing device. 2,203,222; June 4.
Kennedy, Dewey M., Rochester, N. Y. Picture projection screen. 2,202,988; June 4.
Kennedy, Dewey M., Rochester, N. Y. Infant's bathing device. 2,203,223; June 4.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Pressure vessel connection. 2,203,357; June 4.
Kertess, Ferdinand A., Briarcliff Manor, N. Y. Masticatory. 2,203,436; June 4.
Kessler, Joseph G., Trenton, N. J. Gas therapy apparatus. 2,202,953; June 4.
Kimball, Donald G., Stratford, Conn., assignor to General Electric Company. Electric switch. 2,203,224; June 4.
King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Bank feed. 2,203,531; June 4.
Kingston Products Corporation. (See Douglas, Harry A., assignor.)
Kingston Products Corporation. (See Schmid, William, assignor.)
Kinsley, Thomas G., Whitehouse, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric device. 2,203,332; June 4.
Kitto, William H. (See Siedle, A. D., and Kitto.)
Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,202,989; June 4.
Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration control. 2,203,496; June 4.
Kitto, William H., and A. D. Siedle, Canton, assignors to The Hoover Company, North Canton, Ohio. Refrigeration. 2,203,497; June 4.
Klaus, Calvin C., Highland, Ill. Shoe. 2,203,157; June 4.
Klein, George. (See Zum-Berge, Emil H., assignor.)
Klein, Isidor, New York, N. Y. Chisel for removing boiler tubes. 2,203,158; June 4.
Kleinknecht, William J., Garden City, assignor to American District Telegraph Company, Inc., Jersey City, N. J. Fire alarm aerotube apparatus. 2,203,055; June 4.
Klemperer, Otto, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device utilizing electron multiplication. 2,203,225; June 4.
Klicka, Rudolf, Pittsburgh, Pa. Artificial denture. 2,203,226; June 4.
Klopfenstein, Robert S., Wichita, Kans. Cultivating tool. 2,203,159; June 4.
Klumpp, Gottlob, New York, N. Y. Safety bolt. 2,203,333; June 4.
Knaack, Rudoph F., Brunswick, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Thermal alarm. 2,203,414; June 4.
Kniss, Frank C., Eldorado, Ark. Perforating gun for oil wells. 2,203,265; June 4.
Koch, Theodore. (See Bolhofner, P., and Koch.)
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency discriminating network. 2,203,498; June 4.
Koenig, Werner, Lucerne, assignor to Landis & Gyr, A-G., Zug, Switzerland. Selective remote control. 2,220,358; June 4.
Koepp, Rudolph, & Co., Chemische Fabrik A. G. (See König, Walter, assignor.)
Kolbe, Joachim, Hanover, Germany. Suspension of vehicles. 2,203,056; June 4.
Komarek-Greaves and Company. (See Komarek, Gustav, assignor.)
Komarek, Gustav, assignor to Komarek-Greaves and Company, Chicago, Ill. Making briquetting rolls. 2,203,200; June 4.
König, Walter, Wiesbaden, assignor to the firm Rudolph Koepp & Co., Chemische Fabrik A. G., Oestrich (Rheingau), Germany. Manufacture of transparent foils, films, and threads of celluiose formate. 2,203,596; June 4.
Koppe, Alexander T., Hasbrouck Heights, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Control system for photocomposing machines. 2,203,094; June 4.
Korum, Henry E., assignor to Deere & Company, Moline, Ill. Centrifugal separator. 2,203,532; June 4.
Koubek, John L., and H. A. Taylor, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Grille guard. 2,203,499; June 4.
Kovács, Theodor, Vienna, Germany, assignor to Firma Guenther Wagner, Hanover, Germany. Magazine pencil of the type comprising a lead-conveying tube. 2,203,160; June 4.
Kracker, Herbert. (See Zitscher, A., Schmitt, and Kracker.)
Krause, Paul, Franklinville, assignor to Hudson Armstrong, Salem, N. J. Glass article bottomer. 2,203,573; June 4.
Kreissig, Ernst, and F. Tönne, Urdingen, Germany. Spring system. 2,203,095; June 4.
Kroll, Marjorie. (See Kroll, Philip J., assignor.)
Kroll, Philip J., New Orleans, La., assignor to Marjorie Kroll, Cambridge, Mass. Vehicle rocking apparatus. 2,203,201; June 4.
Krukau, Henry W. (See Robinson, E. N., Jr., and Krukau.)
Kuenzli, Walter A., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,203,023; June 4.
Kun, Eugene, assignor to Evans Case Company, North Attleboro, Mass. Catch. 2,203,202; June 4.
Kunkel, Frederick W., assignor to Eastman Kodak Company, Rochester, N. Y. Ventilating device for centrifuge casings. 2,203,654; June 4.
Kurtz, Henry F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for cutting contours. 2,203,389; June 4.
Labin, Emile, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,203,334; June 4.
La Forest, Louis Z., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,203,096; June 4.
Lager, David O., Helena, Mont. Incubator. 2,203,335; June 4.
Lager, Eric W., assignor to Industrial Patents Corporation, Chicago, Ill. Refrigeration unit. 2,202,954; June 4.
Lamond, Robert C., assignor to American Engineering Company, Philadelphia, Pa. Hydraulic control mechanism. 2,203,097; June 4.
Landis & Gyr, A-G. (See Koenig, Werner, assignor.)
Landon, Vernon D., Haddonfield, N. J., assignor to Radio Corporation of America. Noise reduction system. 2,203,465; June 4.
Landsiedel, Walter W., Norwood, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Computing and listing machine. 2,203,336; June 4.
Landsiedel, Walter W., Norwood, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Computing and listing machine. 2,203,533; June 4.
Lang, George W., New York, N. Y. Combined shade support and stop. 2,203,161; June 4.
Langgässer, Heinrich, Berlin-Grunewald, assignor to Siemens Apparate Und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Gyroscope. 2,202,955; June 4.
Lanz, Heinrich, Aktiengesellschaft. (See Kamplade, Heinrich, assignor.)
Larsen, Louis A. (See Carter, P. M., Linsley, and Larsen.)
Larson, John M., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Humidity controller. 2,203,534; June 4.
Larson, John M., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Humidity controller. 2,203,535; June 4.
Lavarack, Frederick C., Montclair, N. J., and B. Schlesinger, Flushing, assignors to Railroad Accessories Corporation, New York, N. Y. Rail drilling machine. 2,203,415; June 4.
Lawrence, Victor J., Brentwood, Pa., assignor of one-half to Howard Scott, Wilkinsburg, Pa. Steel for Hawaiian guitars. 2,203,466; June 4.
Lebedeff, Yurii E. (See Betterton, J. O., Lebedeff, and Wilkes.)
Lechleitner, Alovsius E., and L. R. Martin, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic apparatus. 2,203,655; June 4.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Combined body and chassis underframe. 2,202,859; June 4.
Lee, John G., Farmington, Conn. Building block. 2,202,956; June 4.
Lee, William H., Los Angeles, Calif. Milling attachment for machine tools. 2,203,162; June 4.
Leifer, Alfred, Berlin-Karlshorst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for converting direct current into alternating current. 2,203,467; June 4.
Leitz, Ernst, G. m. b. H. (See Meinhardt, Fritz assignor.)
Leonard, Simpson C., Jr., Detroit, Mich. Seal. 2,203,163; June 4.
Leonard, Simpson C., Jr., Detroit, Mich. Seal. 2,203,164; June 4.
Leventhal Patents, Inc. (See Spence, John L., Jr., assignor.)
Le Visconte, Harold J. (See Hacklander, H., and Le Visconte.)
Levine, Gabriel, West Hartford, Conn. Oil burner. 2,203,165; June 4.
Leviseur, Maximilian, Springs, Transvaal, Union of South Africa. Bottle. 2,203,266; June 4.
Levy, Rudolf, Berlin-Halensee, Germany. Apparatus for projecting cinematographic images carried on disks. 2,203,437; June 4.
Lewis, William L., Binghamton, and V. O. Wilkerson, Vestal Gardens, assignors to International Business Machines Corporation, New York, N. Y. Paper feeding device. 2,203,024; June 4.
Liberthson, Leo, New York, N. Y., assignor to L. Sonneborn Sons Inc. Concrete hardening composition of the metal salt type. 2,203,302; June 4.
Lima Locomotive Works, Incorporated. (See Bush, Robert R., assignor.)
Linde Air Products Company, The. (See Bucknam, James H., assignor.)
Line Material Company. (See Schultz, William O., assignor.)
Link, Forest, Silverton, assignor to The Globe-Wernecke Company, Norwood, Ohio. Card index cabinet. 2,203,166; June 4.
Linsley, Douglas F. (See Carter, P. M., Linsley, and Larsen.)
Lippmann Engineering Works. (See Clicquennoi, I. M., and Weimer, assignors.)
Lippmann, Walter E. (See Clicquennoi, I. M., and Weimer, assignors.)
Liquid Carbonic Corporation, The. (See Gruetter, John R., assignor.)
Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)
Little, Arthur D., Inc. (See Stevenson, E. P., and Fogler, assignors.)
Locomotive Firebox Company. (See Wolden, Oscar E., assignor.)
Lodwick, Thomas F., Mystic, Iowa. Identifying and reproducing color harmony. 2,203,167; June 4.
Loggins, Jack C., assignor of one-half to Thomas G. Glass, Marlin, Tex. Door and window latch. 2,203,500; June 4.
Long, Albert E., deceased, by F. B. Long, administratrix, Chicago, Ill., assignor, by mesne assignments, to General Time Instruments Corporation, New York, N. Y. Printing mechanism. 2,203,168; June 4.
Long, Florence B., administratrix. (See Long, Albert E.)
Lorenz, C. Aktiengesellschaft. (See Goldmann, Joachim, assignor.)
Lorenz, C. Aktiengesellschaft. (See Wiessner, Alfred, assignor.)
Lovell Manufacturing Company. (See Brandt, James W., assignor.)
Lovgren, Arvid, St. Paul, Minn. Tool for cleaning and dressing fish. 2,203,169; June 4.
Lower, Nathan M., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 2,203,098; June 4.
Lulek, Ralph N., Silverside Heights, and W. Dettwyler, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone vat dyestuffs. 2,203,227; June 4.
Lundberg, Hans F. L. (See Zuschlag, Theodor, assignor.)
Luten, Daniel B., Jr. (See Hund, W. J., Thomas, and Luten.)
Lycan, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the benzanthrone series. 2,203,416; June 4.
Lyon, Edward M., Bozeman, Mont. Live bait box. 2,203,203; June 4.
MacAdam, David L., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Color correction process. 2,203,656; June 4.
Macdonald, Ian, Modesto, Calif. Ball retriever. 2,203,170; June 4.
MacDonald, Robert R., Cushing, Okla. Oil treating plant. 2,203,267; June 4.
Macsicska, Julius, New York, N. Y. Brake equalizer for automobiles. 2,203,536; June 4.
Maendel, John J., Rosedale Colony, Elie, Manitoba, Canada. Comb protector. 2,203,438; June 4.
Magnavox Company Incorporated, The. (See Dreisbach, R. H., and Martin, assignors.)
Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)
Mahoney, Andrew, et al. (See Trabold, Frank W., assignor.)
Mailler Searles, Inc. (See Wylie, Howard W., assignor.)
Malicov, Andrej, Moscow, Union of Soviet Socialist Republics. Manometer for use with vacuum apparatus. 2,203,574; June 4.
Malik, Joseph S. (See Paxton, James B., assignor.)
Maltese, Frank, Brooklyn, N. Y. Advertising device. 2,202,915; June 4.
Mantle Lamp Company of America, The. (See Hall, Roy W., assignor.)
Markia Corporation. (See Goldmark, Peter C., assignor.)
Martin, Glenn L., Company, The. (See Watter, Michael, assignor.)
Martin, Herschel B., Brooklyn, N. Y., assignor to Radio Corporation of America. Regulator for time delay circuits. 2,203,468; June 4.
Martin, John E., Minneapolis, Minn. Holder. 2,202,957; June 4.
Martin, Lawrence R. (See Lechleitner, A. E., and Martin.)
Martin, Norman F. (See Dreisbach, R. H., and Martin.)
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner. 2,203,171; June 4.
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Nozzle adjusting construction. 2,203,537; June 4.
Maxwell, George E., White Bear Lake, Minn. Anchor holder. 2,203,390; June 4.
McCleary, Henry R., Detroit, Mich. Window construction. 2,203,172; June 4.
McCurley, Herman, deceased, late of Gary, Ind., by Mable M. McCurley, administratrix, Gary, Ind. Portable cover. 2,203,575; June 4.
McCurley, Mable M., administratrix. (See McCurley, Herman.)
McDougall, George F., assignor to Oregon Textile Machines, Inc., Portland, Oreg. Garment press. 2,203,359; June 4.
McFarland, William E., Nutley, N. J., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Writing machine. 2,202,958; June 4.
McPhee, William F., Joliet, and Alfred N. Severin, Chicago, Ill. Stirrer. 2,202,860; June 4.
Mebold, Frederick W., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical connector. 2,203,337; June 4.
Meilink, Paul F., Grosse Pointe Farms, Mich. Baby dressing table. 2,203,538; June 4.
Meinhardt, Fritz, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Screw adjusting mechanism. 2,203,303; June 4.
Menger, Adolf, Krefeld-Uerdingen, Germany, assignor, by mesne assignments, to Plaskon Company, Incorporated, Toledo, Ohio. Adhesive. 2,203,501; June 4.
Mesch, Orwar S. A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Test lamp. 2,203,469; June 4.
Mesta Machine Company. (See Iversen, Lorenz, assignor.)
Metals & Controls Corporation. (See Wilson, Harold M., assignor.)
Metzger, Heinrich. (See Zutavern, P., and Metzger.)
Metzer, Norman A., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition controller. 2,203,631; June 4.
Metzger, William J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,203,391; June 4.
Meyer, Gustav A. J. (See Priesmeyer, Charles, assignor.)
Michel, Clarence A., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Side lamp arranged for beam and turn indication. 2,203,502; June 4.
Michon, Alfred E., Summit, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Low frequency generator. 2,203,417; June 4.
Middleton, Edmund B., New Brunswick, and G. A. Dawson, North Brunswick Township, Middlesex County, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y. Methine dyestuffs. 2,202,990; June 4.
Middleton, Edmund B., New Brunswick, N. J., assignor to Du Pont Film Manufacturing Corp., New York, N. Y. Polymethine dyes and preparation thereof. 2,202,991; June 4.
Middleton, Edmund B., Metuchen, and G. A. Dawson, Raritan Township, Middlesex County, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y. Photographic material. 2,202,992; June 4.
Midland Steel Products Company, The. (See Smith, William E., assignor.)
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Curtain shutter. 2,203,657; June 4.
Mikosz, Edward A., Hamtramck, Mich. Atomizer. 2,203,576; June 4.
Milcor Steel Company. (See Wollaeger, Clarence G., assignor.)
Milich, Vlada, Detroit, Mich. Caster. 2,203,530; June 4.
Miller, Francis J., administrator. (See Rogers, Kenneth S.)
Miller, John H., and F. Evans, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J. Process of knitting. 2,203,228; June 4.

Miller, Roger L., Lincoln, Ill. Foil condenser and producing same. 2,203,283; June 4.
Millett, John E. (See Sackner, W. E., and Millett.)
Mills Company, The. (See Mills, George M., assignor.)
Mills Company, The. (See Winslow, Edward N., assignor.)
Mills, George M., Cleveland Heights, assignor to The Mills Company, Cleveland, Ohio. Partition structure. 2,202,861; June 4.
Mills, George M., assignor to The Mills Company, Cleveland, Ohio. Partition structure. 2,202,862; June 4.
Mills, John E., McCook, Nebr. Swather bar. 2,203,418; June 4.
Minerals Beneficiation Incorporated. (See Rakowsky, V. Arms, and Holt, assignors.)
Minneapolis-Honeywell Regulator Company. (See Cunningham, Lewis L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Cyr, Benjamin, assignor.)
Minneapolis-Honeywell Regulator Company. (See Ginnaty, John R., assignor.)
Minneapolis-Honeywell Regulator Company. (See Larson, John M., assignor.)
Minneapolis-Honeywell Regulator Company. (See Metzger, Norman A., assignor.)
Mitchell, Joseph E. (See Ross, J., and Mitchell.)
Moeller, William J., Mount Healthy, Ohio, assignor to The Philip Carey Manufacturing Company. Felted fabric sheet. 2,203,173; June 4.
Mollberg, Byron, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor float support. 2,202,993; June 4.
Montgomery, Bryan O., Kansas City, Mo. Wedding cake cover. 2,203,540; June 4.
Moody, Dwight, and R. E. Moody, Arkansas City, Kans. Metering plug. 2,203,284; June 4.
Moody, Ralph E. (See Moody, Dwight, and R. E.)
Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Pen release mechanism. 2,203,057; June 4.
Morgan, Erving B., and C. E. Yost, assignors to American Seating Company, Grand Rapids, Mich. Seat end standard. 2,203,304; June 4.
Morrel, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,203,025; June 4.
Morrow, John H., and K. V. Baker, Los Angeles, and H. J. Reeves, Inglewood, Calif. Comfort wave machine. 2,203,268; June 4.
Morse, Henry B., Binghamton, and W. S. Cornell, assignors to Endicott Johnson Corporation, Endicott, N. Y. Box toe material. 2,203,597; June 4.
Mueller, Ferdinand, New York, N. Y. Electric outlet box. 2,203,026; June 4.
Muir, Margaret L. (See Roberts, John G., assignor.)
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for making glass. 2,203,269; June 4.
Multi Vue Signs Company. (See White, Ernest C., assignor.)
Mumper, Hewlings, et al. (See Goodwin, Norris, assignor.)
Munson, Clifford R., and A. R. Gross, St. Paul, Minn., said Gross assignor to said Munson. Receptacle holder. 2,203,632; June 4.
Murray Corporation of America, The. (See Clark, Noble C., assignor.)
Muserlian, John, New York, N. Y. Sliding blade scissors. 2,203,541; June 4.
Musher, Albert, New York, N. Y., assignor to Musher Corporation, Elizabeth, N. J. Thickened food compositions and producing them. 2,203,643; June 4.
Musher Corporation. (See Musher, Albert, assignor.)
Mussa, Marcel V., Pasadena, Calif. Catch. 2,202,916; June 4.
Muttray, Justus, and W. Vogel, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Vehicle window. 2,203,174; June 4.
Nash-Kelvinator Corporation. (See Wahlberg, Nils E., assignor.)
Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine. 2,202,816; June 4.
Nass, Frederick H. (See Campbell, R., and Nass.)
National Cash Register Company, The. (See Wagner, Erich, assignor.)
National Malleable and Steel Castings Company. (See Metzger, William J., assignor.)
National Oil Products Company. (See Dombrow, B. A., and Beach, assignors.)
National Oil Products Company. (See Kapp, Roland, assignor.)
Nauth, Raymond, Buffalo, N. Y. Recovery of values from lignite liquor. 2,202,959; June 4.
Nelems, Charles W., Birmingham, Ala. Form fitting metal spring seat. 2,203,598; June 4.
Nelms, Robert C., et al. (See Carter, Sylvester A., assignor.)
Nepera Chemical Co. (See Tisza, E. T., Duesel, and Friedman, assignors.)
Niagara Alkali Company. (See Casciani, Ferri, assignor.)
Nicol, John, assignor to Divco-Twin Truck Company, Detroit, Mich. Sitting drive delivery vehicle. 2,203,599; June 4.
Nichols, Ralph G., St. Charles, Mo., assignor to American Car and Foundry Company, New York, N. Y. Air intake and filter. 2,203,503; June 4.
Nicolai, Charles O., New York, N. Y. Invalid elevator. 2,203,204; June 4.
Nieuwland, Julius A., Notre Dame, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making alkali metal amides. 2,202,994; June 4.
Nilsson, Karl F. (See Nilsson, Oscar F., and K. F.)
Nilsson, Oscar F., and K. F. Nilsson, New York, N. Y. Aging liquids. 2,203,229; June 4.
Nitsche, Paul, Dresden, Germany. Manufacture of conserving ice. 2,203,230; June 4.
Nordberg, Ernst A., Sharon, assignor to Bandaway Inc., Boston, Mass. Wrapping packages. 2,203,058; June 4.
North American Car Corporation. (See Dempsey, Arthur E., Jr., assignor.)
Norton Company. (See Wood, Wallace H., assignor.)
Nyquist, Carl J., et al. (See Geiger, David F., assignor.)
O. K. Tool Company, The. (See Reaney, Ernest, assignor.)
O'Brien, Frederick J., Nutley, N. J. Belt buckle. 2,203,270; June 4.
Obstfeld, Abraham, et al. (See Drypolcher, William, assignor.)
Obstfeld, Lou, et al. (See Drypolcher, William, assignor.)
Odell, Rodman, Chicago, Ill. Starter for engines. 2,203,338; June 4.
Oliver, Chauncey B., Las Vegas, Nev., assignor to Babson Bros., Chicago, Ill. Cooling apparatus. 2,203,439; June 4.
Oliver, Sheffield F., Modesto, Calif. Piston expanding tool. 2,203,175; June 4.
Oliver, Thomas C., Jackson Heights, assignor to Charlotte Chemical Laboratories, Inc., Charlotte, N. C. Sulphonation of unsaturated organic substances. 2,203,440; June 4.
Oliver, Thomas C., Jackson Heights, N. Y., assignor to Charlotte Chemical Laboratories, Inc., Charlotte, N. C. Water-soluble and oil-soluble sulphonic or sulphate derivatives of hydrocarbons. 2,203,441; June 4.
Olpin, Henry C. (See Ellis, G. H., and Olpin.)
Olsen, Erling C. (See Reohr, John H., assignor.)
O'Neill, Frank E., Glendale, and R. G. Whealton, Altadena, assignors to Mordica O. Johnston, Glendale, Calif. Measuring and controlling fluid pressures. 2,203,577; June 4.
Onsrud Machine Works, Inc. (See Onsrud, Rudolph F., assignor.)
Onsrud, Rudolph F., assignor to Onsrud Machine Works, Inc., Chicago, Ill. Bending table. 2,203,027; June 4.
Opocensky, Willard J., Long Beach, Calif. Time controlled subterranean camera. 2,203,176; June 4.
Oregon Textile Machines, Inc. (See McDougall, George F., assignor.)
Osborne, Thomas L., and H. J. Allcock, Belverdere, Kent, assignors to Callender's Cable and Construction Company, Limited, London, England. Protecting sheaths of electric cables, pipes, and other metal articles against corrosion. 2,203,232; June 4.
Osborne, Thomas L., Belvedere, Kent, assignor to Callender's Cable and Construction Company Limited, London, England. Treatment of cellulosic materials such as paper and fabrics to make them resistant to water. 2,203,231; June 4.
Osenberg, Werner, Dresden, Germany. Bonding metal to insulation. 2,203,099; June 4.
Osenberg, Werner, Dresden, Germany. Bonding metal to insulation. 2,203,100; June 4.
Oswalt, Robert J., assignor to Fred W. Amend Co., Danville, Ill. Depositing machine. 2,202,917; June 4.
Owens-Corning Fiberglas Corporation. (See Baird, F. J., and Simison, assignors.)
Oxweld Acetylene Company. (See Young, Lloyd W., assignor.)
Packard Motor Car Company. (See Best, Frank C., assignor.)
Page, Harold D., Flushing, assignor to Waugh Equipment Company, New York, N. Y. Cushioning mechanism. 2,203,542; June 4.
Palm, Henry S., Reading, Pa. Body elevating mechanism for dumping wagons or the like. 2,203,059; June 4.
Palmer, Charles M. (See Hines, J., and Segal, assignors.)
Pancorbo, Manuel, New York, N. Y. Rubber heel mold. 2,203,543; June 4.
Panish, Erwin J., Bridgeport, Conn. Valve operating mechanism. 2,203,233; June 4.
Paper Service Company, The. (See Rowe, William W., assignor.)
Parker, Arthur L., Cleveland, Ohio. Valve assembly. 2,202,960; June 4.
Parker, Arthur L., Cleveland, Ohio. Valve assembly. 2,202,961; June 4.
Parmelee, Howard M., Salem, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Abietyl sulphate and its manufacture. 2,203,339; June 4.
Parrillo, Louis W., New York, N. Y. Illuminated hat. 2,203,028; June 4.
Partansky, Alexander M., assignor to The Dow Chemical Company, Midland, Mich. Treatment of wood hydrolysate solutions. 2,203,360; June 4.
Partridge, George A., Paradise, Calif. Ground leveler. 2,202,815; June 4.

Partridge, Morris N., East Orange, N. J. Dishwashing machine. 2,203,029; June 4.
Pash, Robert. (See Franz, F., Boesch, and Pash.)
Patterson, Herbert F., St. Clair Shores, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,203,177; June 4.
Pausin, Hugo R., Maplewood, N. J. Reel for moving picture film. 2,203,101; June 4.
Paxton, James B., Huron, assignor of one-half to J. S. Malik, Cleveland, Ohio. Fishing device. 2,203,618; June 4.
Pehrson, Henry L., Rockford, assignor to Turner Brass Works, Sycamore, Ill. Handle for drawers and the like. 2,203,030; June 4.
Peirce, Ralph S., Hinsdale, Ill. Anchoring device. 2,203,178; June 4.
PeHkan, Emil F., et al. (See Bolhofner, P., and Kuch, assignors.)
Pennington, Alfred V. (See Green, R. B., and Pennington.)
Peo, Ralph F., and S. C. Bliss, assignors to Houde Engineering Corporation, Buffalo, N. Y. Independent wheel suspension. 2,202,918; June 4.
People in the Territory of the United States, Dedicated to the free use of the. (See Goldsworthy, Marion C.)
Perlick, Albert, Pullach, near Munich, and A. Steinmetz, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerizing acetylene. 2,202,919; June 4.
Perrin, René, assignor to Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France. Manufacture of hematite cast iron. 2,203,179; June 4.
Pestarini, Joseph M., Turin, Italy. Power system. 2,203,544; June 4.
Petersen, Herman, Lynbrook, assignor to M. Hohner, Inc., New York, N. Y. Shoulder strap for accordions and other musical instruments. 2,203,234; June 4.
Peterson, John A. (See Carney, T. C., and Peterson.)
Peterson, Carl U., Arlington, Va., assignor to General Electric Company. Piezo-electric device. 2,203,545; June 4.
Petroleum Heat and Power Company. (See Thoresen, Ralph S., assignor.)
Petsch, Hermann, Recklinghausen in Westphalia, Germany. Regenerative coke oven. 2,203,285; June 4.
Philco Radio and Television Corporation. (See Pressley, Jackson H., assignor.)
Phillips Petroleum Company. (See Steele, Francis E., assignor.)
Pica, Daniel, assignor to F. Kemptner, Chicago, Ill. Spring suspension. 2,203,392; June 4.
Picker X-Ray Corporation Waite Manufacturing Division, Inc. (See Graves, Edward B., assignor.)
Pier, Mathias, Heidelberg, and F. Christmann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cracking hydrocarbon mixtures. 2,203,470; June 4.
Piggott, Henry A. (See Evans, J. G., Piggott, Reynolds, Rose, and Walker.)
Piggott, Henry A., and J. D. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of new urea derivatives. 2,203,504; June 4.
Piggott, Henry A., and J. D. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Quaternary ammonium compound. 2,203,505; June 4.
Piggott, Henry A., and J. D. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Nitrogen-containing organic compound. 2,203,506; June 4.
Piggott, Henry A., and C. S. Woolvin, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Quaternary ammonium salts. 2,202,864; June 4.
Piggott, Henry A., and C. S. Woolvin, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Dialkylaminobenzoates and making them. 2,202,865; June 4.
Plaskon Company. (See Menger, Adolf, assignor.)
Plön, Max, Basel, Switzerland. Detachable tool handle. 2,202,863; June 4.
Podmore, Arthur, London, England. Mailing card. 2,203,578; June 4.
Pointon, John E., and C. Dumbleton, Peterborough, England, assignors to Baker Perkins Incorporated, Saginaw, Mich. Heating of bakers' and like ovens. 2,203,180; June 4.
Pollard, Gurdon T., Denver, Colo. Fluid drive differential transmission. 2,203,546; June 4.
Porter, Oliver T., Barton, Md. Coal mining machine. 2,202,962; June 4.
Portnow, Moris, New York, N. Y. Truss. 2,203,235; June 4.
Porwancher, Samuel R., assignor to Drying Systems, Inc., Chicago, Ill. Multiple oven heating and control system. 2,202,995; June 4.
Potdevin, Adolph, Garden City, and R. L. Richmond, Yonkers, assignors to Potdevin Machine Company, Brooklyn, N. Y. Web handling apparatus. 2,203,181; June 4.
Potdevin Machine Company. (See Potdevin, A., and Richmond, assignors.)
Potter, Elbert L., assignor to Houde Engineering Corporation, Buffalo, N. Y. Automobile heating structure. 2,202,920; June 4.
Pound, Thelma F. E., Ellensburg, Wash. Fountain brush. 2,203,361; June 4.
Powell, Albert C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trouble recorder. 2,202,921; June 4.
Powers, Kenneth P., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Lubricant. 2,203,102; June 4.
Prance, Alvin W., Pleasant Ridge, assignor to Briggs Manufacturing Company, Detroit, Mich. Assist cord assembly. 2,203,340; June 4.
Pressley, Jackson H., Grosse Pointe Park, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Antenna circuit for radio receivers and the like. 2,203,442; June 4.
Price, Harold W., assignor to Bendix Products Corporation, South Bend, Ind. Gear shifting mechanism. 2,202,866; June 4.
Priesmeyer, Charles, Park Ridge, assignor to Gustav A. J. Meyer, Chicago, Ill. Pocket seal press. 2,203,644; June 4.
Priestley, William J. (See Doom, E. F., and Priestley.)
Productive Inventions, Inc. (See Anderson, John W., assignor.)
Protex Industries, Inc. (See Anderson, W. J., and Rosen, assignors.)
Pump Engineering Service Corporation. (See Johnson, James P., assignor.)
Pusak, Peter, Eddystone, Pa. Automatic window closer. 2,203,600; June 4.
Putnam, Joseph F., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Evaporative odorizer for gas. 2,203,362; June 4.
Quinlivan, John E., assignor of one-fourth to Gerrit De Young, Sioux Falls, S. Dak. Electrically operable control mechanism. 2,202,922; June 4.
Rabe, Paul, and H. Roos, Leverkusen, I. G.-Werk, Germany, assignors to General Aniline & Film Corporation. Dyeing. 2,203,305; June 4.
Radio Corporation of America. (See Bakker, A., and van Duuren, assignors.)
Radio Corporation of America. (See Banks, George B., assignor.)
Radio Corporation of America. (See Dimmick, Glenn L., assignor.)
Radio Corporation of America. (See Jonker, J. L. H., and van Overbeek, assignors.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Landon, Vernon D., assignor.)
Radio Corporation of America. (See Martin, Herschel B., assignor.)
Radio Corporation of America. (See Richards, Claude L., assignor.)
Radio Corporation of America. (See Spencer, James A., assignor.)
Radio Corporation of America. (See Vivie, Wilhelmus L. L., assignor.)
Radio Corporation of America. (See Zottu, Paul D., assignor.)
Radio Inventions, Inc. (See Hogan, J. V. L., and Ressler, assignors.)
Railroad Accessories Corporation. (See Lavarack, F. C., and Schlesinger, assignors.)
Rakowsky, Victor, Joplin, Mo.; R. W. Arms, Evanston, Ill., and G. J. Holt, St. Paul, Minn., assignors to Minerals Beneficiation Incorporated, Chicago, Ill. Separating fragmentary materials. 2,203,601; June 4.
Ralston, Anderson W., assignor to Armour and Company, Chicago, Ill. High molecular weight substituted ethinyl carbinols. 2,203,363; June 4.
Rambo, Ingar G. (See Uecker, R. A., Rambo, and Beatty.)
Rambo, Ingar G. (See Uecker, R. A., Rambo, Beatty, and Graser.)
Ramet Corporation of America. (See Balke, Clarence W., assignor.)
Randall, Meredith S., assignor to Woodall Industries Incorporated, Detroit, Mich. Laminated trim panel. 2,202,963; June 4.
Randolph, Charles P., deceased, Oak Park, Ill., E. C. Randolph and D. Saner, executors, Oak Park, Ill., and L. A. Kempton, Chicago, Ill., assignors to Edison General Electric Appliance Company, Inc. Electric switch. 2,203,236; June 4.
Randolph, Donald W., Flint, assignor to General Motors Corporation, Detroit, Mich. Ignition circuit. 2,203,579; June 4.
Randolph, E. C., et al., executors. (See Randolph, Charles P.)
Rankin, Albert L., Stevenson, Wash., assignor of one-half to Margaret R. Calendine, Cascade Locks, Oreg. Trailer hitch. 2,202,867; June 4.
Rapinwax Paper Company. (See Rhodes, Cecil M., assignor.)
Rapp, Wilhelm. (See Hopff, H., and Rapp.)
Rathbun, John P., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Sealing means for high pressure heads. 2,203,364; June 4.

Rathbun, Merrill L., Salamanca, N. Y. Press. 2,202,964; June 4.
Rawling, Francis G., Piedmont, W. Va., assignor to West Virginia Pulp & Paper Company, New York, N. Y. Bleaching pulp. 2,203,205; June 4.
Rawson, Emanuel, Chicago, Ill., assignor to The Superheater Company, New York, N. Y. Operating mechanism for injector overflow valves. 2,203,103; June 4.
Ray, Philip A., assignor to Hercules Powder Company, Wilmington, Del. Binding agent for foundry cores and method of manufacture thereof. 2,203,471; June 4.
Raybould Coupling Company. (See Raybould, Frank J., assignor.)
Raybould, Frank J., Erie, assignor to Raybould Coupling Company, Meadville, Pa. Coupling. 2,203,237; June 4.
Read, David Y., New York, assignor to Remington Rand Inc., Buffalo, N. Y. Accumulating mechanism. 2,203,306; June 4.
Reaney, Ernest, Stratford, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Tool holder and clamp. 2,203,104; June 4.
Reed Prentice Corporation. (See Smith, Graydon, assignor.)
Reeves, Helena J. (See Morrow, J. H., Baker, and Reeves.)
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Blue flame burner. 2,202,923; June 4.
Regas, Gust D., Newell, S. Dak. Tool for splicing and tightening barbed wire. 2,203,238; June 4.
Reichart, William M., assignor to The Chandler and Price Company, Cleveland, Ohio. Power actuated gauge for paper cutting machines and the like. 2,203,547; June 4.
Remington Rand Inc. (See Ferry, John T., assignor.)
Remington Rand Inc. (See Kelley, Walter F., assignor.)
Remington Rand Inc. (See Landsiedel, Walter W., assignor.)
Remington Rand Inc. (See Read, David Y., assignor.)
Rendall, William S., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Annealing lehr and method of annealing glassware. 2,203,182; June 4.
Reohr, Bertha E., executrix. (See Reohr, John H.)
Reohr, John H., Jamaica, deceased, assignor of one-half to E. C. Olsen, New York, N. Y., B. E. Reohr, executrix. Nut lock. 2,202,868; June 4.
Repass, George, Pawtucket, R. I., and H. B. Ahlberg, Attleboro, Mass., assignors to H & B American Machine Company. Top roll saddle. 2,203,419; June 4.
Research Corporation. (See Draper, Charles S., assignor.)
Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)
Ressler, Hugh C. (See Hogan, J. V. L., and Ressler.)
Reuther, John H., New York, N. Y. Musical instrument. 2,203,393; June 4.
Reynard, Otto, Darlington, England. Distillation of tar or pitch. 2,203,645; June 4.
Reynolds Metals Company. (See Whitfield, M. G., and Sheshunoff, assignors.)
Reynolds, Reginald J. W. (See Evans, J. G., Piggott, Reynolds, Rose, and Walker.)
Rhodes, Cecil M., St. Paul, assignor to Rapinwax Paper Company, Minneapolis, Minn. Waxed wrapping paper. 2,203,633; June 4.
Rice, Frank E., Detroit, Mich. Beer cooling device. 2,203,365; June 4.
Richards, Claude L., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Television system. 2,203,634; June 4.
Richardson, John N., Chicago, Ill. Furnace charger. 2,203,307; June 4.
Richey, Charles V., Jamaica, N. Y. Telephone lock device. 2,202,965; June 4.
Richmond, Robert L. (See Potdevin, A., and Richmond.)
Rigerman, Harry F., Kenmore, N. Y. Container. 2,203,271; June 4.
Rives, George H., assignor to Rives Neverslip, Inc., Brooklyn, N. Y. Antiskid finger clip. 2,203,308; June 4.
Rives Neverslip, Inc. (See Rives, George H., assignor.)
Roberts, John G., Dobbs Ferry, assignor to M. L. Muir, Brooklyn, N. Y. Earpiece manufacture. 2,203,105; June 4.
Robinson, Edward N., Jr., and H. W. Krukau, assignors of twenty-two per cent to Henry W. Krukau, thirty-nine per cent to E. N. Robinson, Jr., and thirty-nine per cent to R. S. Holding, Jr., Providence, R. I. Justifying means for typewriters and other machines. 2,202,869; June 4.
Robinson, James. (See Harrington, F. T., Twyman, and Robinson.)
Rockefeller, Robert J., Stroudsburg, assignor to The International Boiler Works Co., East Stroudsburg, Pa. Power boiler. 2,203,366; June 4.
Rodocker, Ralph J., Wichita Falls, Tex. Fruit tree reproduction. 2,202,966; June 4.
Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 2,203,341; June 4.
Roehmer, Theodore G., Malverne, and E. S. Carmichael, Jackson Heights, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricant and method of lubrication. 2,203,507; June 4.
Rogers, Kenneth S., Niles, Mich., deceased, Francis J. Miller, administrator, assignor, by mesne assignments, to Levant C. Rogers, Niles, Mich. Mop. 2,203,106; June 4.
Rogers, Levant C. (See Rogers, Kenneth S., assignor.)
Ronning, Adolph, Minneapolis, Minn. Door catch. 2,203,580; June 4.
Roos, Hans. (See Rabe, P., and Roos.)
Rose, John D. (See Evans, J. G., Piggott, Reynolds, Rose, and Walker.)
Rose, John D. (See Piggott, H. A., and Rose.)
Rosen, Maurice S., assignor to Anne Walters, New York, N. Y. Loom apparatus. 2,202,924; June 4.
Rosen, Samuel S. (See Anderson, W. J., and Rosen.)
Rosenberger, Adolf. (See Sedlmair, Josef, assignor.)
Rosenthal, Jay J., et al. (See Trabold, Frank W., assignor.)
Rosenthal, Morris, Chicago, Ill. Conveyer control device. 2,203,508; June 4.
Ross, John, New York, N. Y., and J. E. Mitchell, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparing detergents. 2,203,443; June 4.
Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Creped article including metal foil. 2,202,870; June 4.
Ruffner, Jay S., Freeport, Ill. Sled. 2,203,060; June 4.
Ruschig, Heinrich. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller.)
Ryder, Clifford, Manchester, England, assignor to General Electric Company. Protective arrangement. 2,203,548; June 4.
S. & S. Corrugated Paper Machinery Co. (See Shields, Albert F., assignor.)
Sackner Bag Company. (See Sackner, W. E., and Millett, assignors.)
Sackner, Wade E., and J. E. Millett, assignors to Sackner Bag Company, Grand Rapids, Mich. Forming open mesh bags. 2,202,996; June 4.
St. Regis Paper Company. (See Dorrington, N. E., and Cullom, assignors.)
Saner, Dorothy, et al., executors. (See Randolph, Charles P.)
Sarazin, Raoul R. R., Saint Prix, France. Vibration damper. 2,202,967; June 4.
Sardu, Anthony, Brooklyn, N. Y. Controllable lubricating system. 2,202,817; June 4.
Schieber, Robert E., Detroit, Mich. Folding bench and table construction. 2,203,394; June 4.
Schilling, Clarence L., Atlanta, Ga. Ventilator. 2,203,444; June 4.
Schlesinger, Benjamin. (See Lavarack, F. C., and Schlesinger.)
Schmettow, Erich, Berlin-Staaken, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Apparatus responsive to accelerations. 2,203,061; June 4.
Schmid, William, Bronson, Mich., assignor, by mesne assignments, to Kingston Products Corporation. Electrical switching device. 2,203,309; June 4.
Schmidt, Edwin X., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Apparatus for regulating a condition. 2,203,472; June 4.
Schmidthofer, Ernest, Chicago, Ill. Device for curing ingrowing toenails. 2,202,926; June 4.
Schmitt, Robert. (See Zitscher, A., Schmitt, and Kracker.)
Schmitter, Walter P., assignor to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,203,635; June 4.
Schmitter, Walter P., assignor to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,203,636; June 4.
Schmitter, Walter P., and A. G. Bade, assignors to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,203,637; June 4.
Schmitz, Joseph A., Chicago, Ill. Grain door for railway cars. 2,203,107; June 4.
Schoch, Giovanni G., Milan, Italy. Controlling and illustrating band for phonographic disks. 2,202,925; June 4.
Schueler, Julian L., assignor to Continental Steel Corporation, Kokomo, Ind. Apparatus for electroplating wire or the like. 2,203,062; June 4.
Schueler, Julian L., assignor to Continental Steel Corporation, Kokomo, Ind. Treating and coiling wire. 2,203,063; June 4.
Schueler, Julian L., assignor to Continental Steel Corporation, Kokomo, Ind. Apparatus for treating and drawing wire. 2,203,064; June 4.
Schueler, Julian L., assignor to Continental Steel Corporation, Kokomo, Ind. Sulling apparatus. 2,203,065; June 4.
Schoenberger, Robert E., Shaker Heights, assignor to The W. J. Schoenberger Company, Cleveland, Ohio. Gas cock. 2,203,395; June 4.
Schoenberger, W. J., Company, The. (See Schoenberger, Robert E., assignor.)
Schorer, Herman, Valhalla, assignor to Bosari Tank Corporation of America, New York, N. Y. Valve device. 2,203,367; June 4.
Schröter, Hans. (See Schröter, Kurt, and H.)
Schröter, Kurt, and H., Wechmar, Germany. Mounting for oscillating members. 2,203,619; June 4.
Schubert, Alvin E., assignor to Eastman Kodak Company, Rochester, N. Y. Lens shifting and focusing mechanism. 2,203,658; June 4.

Schulte, Milton R., West Orange, assignor to Tung-Sole Lamp Works, Inc., Newark, N. J. Radio tube and the like. 2,202,871; June 4.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Cable anchoring device. 2,203,066; June 4.
Schumaker, George W., Indianapolis, Ind. Collapsible tube cap holder. 2,202,927; June 4.
Schuman, Edward, and N. A. Severson, Madison, Wis. Game. 2,203,183; June 4.
Schwarz, Henry, and C. A. Ellers, Montague, Mich. Balancer for ladders. 2,203,445; June 4.
Schwebs, Robert K., Hortonville, Wis. Refrigerator freight car. 2,203,108; June 4.
Scofield, Theodore J., and F. W. Hardick, assignor to The Sparks-Withington Company, Jackson, Mich. Warning signal. 2,203,420; June 4.
Scott, Howard. (See Lawrence, Victor J., assignor.)
Scott, Walter A., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Milking machine pulsator. 2,202,997; June 4.
Security Engineering Co., Inc. (See Hall, E. B., and Armentrout, assignors.)
Sedlmair, Josef, Munich, Germany, assignor to A. Rosenberger, Paris, France. Means for drawing in loose loops of thread in superposed layers of fabric. 2,203,031; June 4.
Seeger, Edwin W., Wauwatosa, Wis., and G. C. Brown, deceased, late of Wauwatosa, Wis., by Jean F. Brown, administratrix, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Phase failure and overload protective system. 2,202,998; June 4.
Segal, Louis. (See Hines, J., and Segal.)
Servel, Inc. (See Anderson, Philip P., Jr., assignor.)
Servel, Inc. (See Knenzli, Walter A., assignor.)
Sessions, Holland L., and H. L. Jones, Fort Wayne, Ind. Shaving and clipping tool. 2,203,581; June 4.
Settel, Elmer H., New York, N. Y., and V. Himmer, Mountain Lakes, N. J., said Himmer assignor to said Settel. Photographic camera. 2,203,368; June 4.
Severin, Alfred N. (See McPhee, W. F., and Severin.)
Severson, Nelson A. (See Schuman, E., and Severson.)
Shakespeare Products Company. (See Weber, H., and De Hamer, assignors.)
Shannon, Jesse M., Chicago, Ill. Fish lure. 2,203,473; June 4.
Shappirio, Sol, et al. (See Grant, Rudolph R., assignor.)
Sharpe, Alfred H. (See Cunningham, A. J., and Walker, assignors.)
Shaw, Clarence W., Groose Pointe, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Self-locking adjusting screw. 2,202,928; June 4.
Shearer, Charles V., Capitan, N. Mex. Speed governor and driving control for automotive vehicles. 2,203,446; June 4.
Shell Development Company. (See Hund, W. J., Thomas and Luten, assignors.)
Shell Development Company. (See van Melsen, Johannes A., assignor.)
Shepard, Alvin F., Kenmore, and J. F. Bolney and L. Sontag, assignors to General Plastics, Inc., North Tonawanda, N. Y. Resin from cashew nutshell oil and another phenol. 2,203,206; June 4.
Sheppard, Samuel E., and R. C. Houck, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic antihalation layer. 2,203,659; June 4.
Sherman, Herndon, Weeksbury, Ky. Rail clamp for mine cars. 2,203,602; June 4.
Sheshunoff, Victor. (See Whitfield, M. G., and Sheshunoff.)
Shields, Albert F., Jamacia, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Cutting mechanism. 2,202,872; June 4.
Shoe Chassis, Inc. (See Bastable, Edward H., assignor.)
Shonnard, Harold W., Montclair, N. J. Hoisting mechanism for vehicles. 2,203,310; June 4.
Shubart, Rudolph, et al. (See Geiger, David F., assignor.)
Siedle, Arnold D. (See Kitto, W. H., and Siedle.)
Siedle, Arnold D., and W. H. Kitto, Canton, assignors to The Hoover Company, North Canton, Ohio. Control for refrigeration systems. 2,203,509; June 4.
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Fieber, Karl W., assignor.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Langgässer, Heinrich, assignor.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Schmettow, Erich, assignor.)
Siemens & Halske Aktiengesellschaft. (See Bendel, Hermann, assignor.)
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Tilling implement. 2,202,929; June 4.
Simler, Oscar J., assignor of one-half to M. Calderone, Sebring, Ohio. Line clamp. 2,202,968; June 4.
Simmons, H. C. (See Kasch, Charles H., assignor.)
Simplex Products Corporation. (See Solenberger, Dean M., assignor.)
Simpson, William J., Woburn, Mass. Bobbin. 2,203,286; June 4.
Simison, Allen L. (See Baird, F. J., and Simison.)
Sinclair, Melroy, Maplewood, Mo. Register shield and filter. 2,203,311; June 4.
Sklarek, Clifford, Los Angeles, Calif. Convertible light. 2,202,969; June 4.
Slayter, Games, assignor to Electronic Research Corporation, Newark, Ohio. Apparatus for rectifying alternating currents. 2,202,873; June 4.
Slee, Arthur L., San Francisco, assignor of one-third to E. C. Hughes, one-third to J. C. Hughes, and one-third to M. B. Hughes, all of West Sacramento, Calif. Holder. 2,203,239; June 4.
Sloman, Cheri M. and H. Hierta, assignors to Briggs Manufacturing Company, Detroit, Mich. Spring device. 2,203,342; June 4.
Slye, Edward A., East Hartford, Conn., assignor to Veeder-Root Incorporated. Computing counter. 2,203,109; June 4.
Smalley, Edwin L., Whitefish Bay, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Heating element mounting construction. 2,202,874; June 4.
Smaltz, John C., New York, N. Y., and C. J. Covert, Glen Rock, N. J., assignors to Vacuum Candy Machinery Company, New York, N. Y. Vacuum cooking and cooling. 2,203,638; June 4.
Smellie, Donald G., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,202,999; June 4.
Smith, Clarence C., Flushing, assignor to International Business Machines Corporation, New York, N. Y. Machine for reading perforated record cards. 2,203,000; June 4.
Smith, Earl K., West Orange, N. J., assignor to Electrons, Inc. Vacuum tube construction. 2,203,639; June 4.
Smith, Graydon, Cambridge, assignor to Reed Prentice Corporation, Worcester, Mass. Apparatus for treating thermoplastic products. 2,203,620; June 4.
Smith, Hannah M. (See Keen, Thomas A., assignor.)
Smith, Harold J., Riverside, and C. B. Bild, assignors, by mesne assignments, to Dixie-Vortex Company, Chicago, Ill. Method and machine for making paper cups. 2,203,510; June 4.
Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,203,207; June 4.
Smith, Joseph B. (See Brown, Elmer L., assignor.)
Smith, L. C., & Corona Typewriters, Inc. (See McFarland, William E., assignor.)
Smith, Russell J., Richmond Heights, Mo. Thermostatically controlled viave. 2,203,110; June 4.
Smith, William E., Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Rotary hopper and inclined chute. 2,203,287; June 4.
Snyder, Richard L. (See Farnsworth, P. T., and Snyder.)
Societe d'Electrochimie d'Electrometallurgie et des Acieries Electriques d'Ugine. (See Perrin, René, assignor.)
Society of Chemical Industry in Basle. (See Hanhart, Walter, assignor.)
Socony-Vacuum Oil Company. (See Daigle, Earl C., assignor.)
Socony-Vacuum Oil Company. (See Roehner, T. G., and Carmichael, assignors.)
Solenberger, Dean M., assignor to Simplex Products Corporation, Cleveland, Ohio. Piston sealing device. 2,203,208; June 4.
Sonneborn, L., Sons, Inc. (See Liberthson, Leo, assignor.)
Sonsthagen, Asbjorn, Snaresbrook, London, England. Device for compressing materials of or into a more or less viscid condition. 2,203,549; June 4.
Sontag, Lothar. (See Shepard, A. F., Bolney, and Sontag.)
Spalding, A. G., & Bros. Inc. (See Baymiller, John W., assignor.)
Spang, Joseph P., Quincy, assignor to Cube Steak Machine Company, Inc., Boston, Mass. Machine for slitting meat. 2,203,603; June 4.
Spanner, Hans J., Berlin, Germany. Electric lamp. 2,203,550; June 4.
Sparks, Neil R., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Apparatus for determining seismic velocities. 2,203,272; June 4.
Sparks-Withington Company, The. (See Scofield, T. J., and Hardick, assignors.)
Specialties Development Corporation. (See Grant, Harry C., Jr., assignor.)
Spence, John L., Jr., Brooklyn, assignor to Leventhal Patents, Inc., New York, N. Y. Endless loop film magazine. 2,203,032; June 4.
Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Tape perforator. 2,203,582; June 4.
Sperry Gyroscope Company. (See Willis, Horace H., assignor.)
Sperry, John A., Tallmadge, assignor to The Baker-McMillen Company, Akron, Ohio. Miter box. 2,203,369; June 4.
Sperry, Paul A., New Haven, Conn. Molding a shoe sole. 2,202,875; June 4.
Sperry Products, Inc. (See Drake, Harcourt C., assignor.)
Spiegl, Ellis H., Salinas, Calif. Lettuce pack and packing lettuce. 2,203,033; June 4.
Spiegler, Louis. (See Calcott, W. S., Spiegler, and Tinker.)
Square D Company. (See Van Valkenburg, Hermon, assignor.)

Srack, George E., Tulsa, Okla. Sash lock and holding device. 2,203,184; June 4.
Stack, Carl, Gary, Ind. Apparatus for producing molded pulp articles. 2,203,343; June 4.
Standard Oil Company of California. (See Putnam, Joseph F., assignor.)
Stanolind Oil and Gas Company. (See Sparks, Neil R., assignor.)
Standard Stoker Company, The. (See Lower, Nathan M., assignor.)
Star-Service Hanger Company. (See Coney, James D., assignor.)
Sta-Rite Corporation. (See Bussey, Ernest, assignor.)
Staud, Cyril J. (See MacAdam, D. L., and Staud.)
Stavenow, Albert F., Arnprior, Ontario, Canada. Brick forming machine. 2,203,447; June 4.
Stebbins, Percy H., and L. L. Wallace, Petaluma, Calif. Toilet venting device. 2,203,111; June 4.
Stec, Harry, Rochester, N. Y. Hanger for trousers. 2,203,034; June 4.
Steele, Francis E., Shreveport, La., assignor to Phillips Petroleum Company. Oil well pump. 2,202,970; June 4.
Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet and dispensing mechanism therefor. 2,202,930; June 4.
Steiner Sales Company. (See Steiner, Frank G., assignor.)
Steinmetz, Alfons. (See Perlick A., and Steinmetz.)
Stenquist, John L., Baltimore, Md. Compartment drawing board. 2,203,474; June 4.
Sterhardt, James A., Towson, Md., assignor to United Aircraft Corporation, East Hartford, Conn. Control surface lock. 2,203,396; June 4.
Stevens, Donald E., Swissvale, and W. A. Gruse, Wilkinsburg, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants. 2,202,876; June 4.
Stevens, Donald E., Swissvale, and W. A. Gruse, Wilkinsburg, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants and petroleum oils containing the same. 2,202,877; June 4.
Stevenson, Earl P., Newton, and B. B. Fogler, Belmont, Mass., assignors to Arthur D. Little, Inc. Molding containers from plastic materials. 2,203,421; June 4.
Stibbins, Reid N., Louisville, Ky. Kite string holder. 2,203,604; June 4.
Stikstofbindingsindustrie "Nederland" N. V. (See Felkers, Pieter F., assignor.)
Stoxen, Roy C., Marengo, Ill. Antishimmy device. 2,203,583; June 4.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Disk plow. 2,202,931; June 4.
Strobridge, William, Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Apparatus for drying. 2,203,422; June 4.
Stuart, Bill A., Arkansas City, Kans. Lawn mower sharpening tool. 2,203,551; June 4.
Suddeutsche Apparate-Fabrik G. m. b. H. (See Geisler, Otmar, assignor.)
Sundstrand Machine Tool Co. (See Granberg, Bengt R., assignor.)
Superheater Company, The. (See Rawson, Emanuel, assignor.)
Süsskind, Albert, Berlin-Wilmersdorf, Germany. Apparatus for attaching slide fastener locking members to flexible tapes. 2,203,448; June 4.
Swanson, Olof W., Chicago, Ill. Flange oiler. 2,203,112; June 4.
Swebilius, Carl G., Hamden, Conn., assignor, by mesne assignments, to Western Cartridge Company. Tubular magazine firearm. 2,203,035; June 4.
Swenson, George E., Hastings-on-Hudson, N. Y., assignor to The Celotex Corporation, Chicago, Ill. Roof construction. 2,203,312; June 4.
Tait, Arthur A., Plainfield, N. J. Index sheet. 2,203,511; June 4.
Tallman, Oscar F., assignor to James R. Kearney Corporation, St. Louis, Mo. Spring clamp. 2,203,621; June 4.
Tantz, Herbert E., assignor to The Delta Manufacturing Company, Milwaukee, Wis. Drill press guard. 2,202,878; June 4.
Taylor, Charles H., Springfield, Mass., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,203,001; June 4.
Taylor, Ernest H., Stroudsburg, assignor to The International Boiler Works Co., East Stroudsberg, Pa. Power boiler. 2,203,370; June 4.
Taylor, Henry A., Dorchester, Mass. Plate attaching device. 2,203,397; June 4.
Taylor, Horace A. (See Koubek, J. L., and Taylor.)
Technicolor Motion Picture Corporation. (See Zipser, Sidney, assignor.)
Teevin, Alexander M., Detroit, Mich. Warm air register. 2,203,552; June 4.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Burgholz, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leifer, Alfred, assignor.)
Teletype Corporation. (See Hanke, Edwin W. F., assignor.)
Teletype Corporation. (See Zenner, Walter J., assignor.)
Terry, Owen R., Evanston, Ill. Fountain pen filling device. 2,203,475; June 4.
Terstedt Manufacturing Company. (See Bihler, Walter G., assignor.)
Theis, Matthew F., Minneapolis, Minn. Mail-sacking accessory. 2,203,067; June 4.
Thiemer, Hans, assignor to Felten & Guilleaume Carlswerk Eisen & Stahl A. G., Cologne-Mulheim, Germany. Method and apparatus for manufacturing barbed wire. 2,203,068; June 4.
Thomas, Samuel B. (See Hund, W. J., Thomas, and Luten.)
Thompson Products Incorporated. (See Colwell, Archie T., assignor.)
Thompson Products, Incorporated. (See Hufferd, G. H., and Graham, assignors.)
Thompson, Robert J., Harrisburg, Pa. Drier and overlapper. 2,203,605; June 4.
Thoresen, Ralph S., Darien, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Oil burner. 2,203,553; June 4.
Thorn, Percy M., New Rochelle, N. Y. Dispensing container. 2,203,313; June 4.
Thornton, Ray U., New Bedford, Mass. Warper beam. 2,203,584; June 4.
Thorsson, Matthew T., East Williston Park, Long Island, N. Y., assignor to International Business Machines Corporation, New York, N. Y. Counting scale. 2,203,002; June 4.
Timken-Detroit Axle Company, The. (See Keese, Beverly W., assignor.)
Timken Roller Bearing Company, The. (See Jackman, Arthur E., Jr., assignor.)
Tingey, Harold C., Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Filtering apparatus. 2,202,932; June 4.
Tinker, John M. (See Calcott, W. S., Spiegler, and Tinker.)
Tips, Maurice, Brussels, Belgium. Internal combustion engine. 2,203,449; June 4.
Tipton, Edna S. New York, N. Y. Nested box. 2,203,240; June 4.
Tisza, Edmond T., B. F. Duesel, and H. L. Friedman, Yonkers, assignors to Nepera Chemical Co., Inc., Nepera Park, N. Y. Sulphanilamido-aminopyridines and producing the same. 2,202,933; June 4.
Titus, Horatio G. (See Jones, C. G., and Titus.)
Tjaarda, John, Birmingham, assignor to Briggs Manufacturing Company, Detroit, Mich. Wheel suspension. 2,203,344; June 4.
Todd, Francis N. (See Hjelte, M. C., and Todd.)
Tönne, Franz. (See Kreissig, E., and Tönne.)
Torretta, Antonio, et al., as trustee. (See Girardi, F., and Cipullo.)
Torrington Company, The. (See Broberg, Gustave T., assignor.)
Towsley, Irving S., North Hills, Pa. Roof construction. 2,203,314; June 4.
Trabold, Frank W., assignor of ninety-five one hundredths to A. Mahoney and J. J. Rosenthal, both of Detroit, Mich. Bottle mouthpiece. 2,203,476; June 4.
Trammell, Earl M., assignor to Huttig Sash & Door Company, St. Louis, Mo. Venetian blind of guided type. 2,203,371; June 4.
Trammell, Earl M., assignor to Huttig Sash & Door Co., St. Louis, Mo. Headrail assembly for Venetian blinds. 2,203,372; June 4.
Trimble Nurseryland Furniture, Inc. (See Baxter, William C., assignor.)
Trumbull Electric Company, The. (See Du Bois, Kenneth W., assignor.)
Tuley, William F., Naugatuck, C. S. Dewey, Cheshire, and R. S. Hanslick, Naugatuck, Conn., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Production of aliphatic ketone-diarylamine antioxidants. 2,202,934; June 4.
Tung-Sole Lamp Works, Inc. (See Schulte, Milton R., assignor.)
Turner Brass Works. (See Pehrson, Henry L., assignor.)
Turner, Roland, et al. (See Carter, Sylvester A., assignor.)
Twyman, L. Raymond. See Harrington, F. T., Twyman, and Robinson, assignors.)
Typograph G. m. b. H. (See Bieber, Otto, assignor.)
Uecker, Reinhold A., I. G. Rambo and D. E. Beatty, Wauwatosa, and F. H. Graser, Milwaukee, Wis. Hoist. 2,203,113; June 4.
Uecker, Reinhold A., I. G. Rambo, and D. E. Beatty, Wauwatosa, Wis. Scaffold jack. 2,203,114; June 4.
Uhri, William C., Jr., and W. P. Gruner, St. Louis, Mo. Exhaust gas burner. 2,203,554; June 4.
Ullmann, Henry J., Santa Barbara, Calif. Deodorizing oils. 2,203,373; June 4.
Union Special Machine Company. (See Hacklunder, H. H., and Le Vesconte, assignors.)
United Aircraft Corporation. (See Sterhardt, James A., assignor.)
United Elastic Corporation. (See Van Voorhis, George S., assignor.)
United Iron Works Company. (See Holzer, Hiram A., assignor.)
United Shoe Machinery Corporation. (See Webb, Horace D., assignor.)
U. S. Electrical Motors, Inc. (See Hoover, Vaino, assignor.)

United States Gauge Company. (See Hartley, Howard J., assignor.)
United States Hoffman Machinery Corporation. (See Strobridge, William, assignor.)
United States Rubber Company. See Howland, Louis H., assignor.)
United States Rubber Company. (See Tingey, Harold C., assignor.)
United States Rubber Company. (See Tuley, W. F., Dewey and Hanslick, assignors.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Vaco Products, Inc. (See Carter, P. M., Linsley, and Larsen, assignors.)
Vacuum Candy Machinery Company. (See Smaltz, J. C., and Covert, assignors.)
Van Briessen, Karl, and J. Eggert, Leipzig, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Apparatus for measuring the color of light. 2,203,036; June 4.
Van Duuren, Hendrik C. A. (See Bakker, A., and van Duuren.)
Van Nelsen, Johannes A., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Stabilization of metal organic compounds. 2,203,374; June 4.
Van Mierlo, Stanislas. (See Bruzau, M. E. A., Van Mierlo, and Bour.)
Van Overbeek, Adrianus J. W. M. (See Jonker, J. L. H., and Van Overbeek.)
Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Timing relay. 2,203,585; June 4.
Van Voorhis, George S., Northampton, assignor to United Elastic Corporation, Easthampton, Mass. Rubber thread and making same. 2,203,622; June 4.
Vedoe, Anton M., Wollaston, Mass. Faucet. 2,202,971; June 4.
Veeder-Root Incorporated. (See Slye, Edward A., assignor.)
Vickers Incorporated. (See Harrington, F. T., Twyman, and Robinson, assignors.)
Vivie, Wilhelmus L. L., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Apparatus for manufacturing condenser electrodes. 2,203,315; June 4.
Vogel, Wilfried. (See Muttray, J., and Vogel.)
von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Electric switch. 2,203,555; June 4.
von Kramolin, Leon L. (See Ditsche, Walter, assignor.)
Wadsworth Electric Manufacturing Company, The. (See Coy, Joseph A., assignor.)
Wagner Electric Corporation. (See Boldt, Werner F., assignor.)
Wagner Electric Corporation. (See Dick, Burns, assignor.)
Wagner, Erich, Eichwalde, near Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,203,115; June 4.
Wagner, Erich, Eichwalde, near Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,203,116; June 4.
Wagner, Firma Guenther. (See Kovács, Theodor, assignor.)
Wagner Sign Service, Inc. (See Auer, George A., assignor.)
Wahlberg, Nils E., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Ventilating system for automobiles. 2,203,477; June 4.
Waldron, Frederick A., Westfield, N. J. Apparatus for manufacturing inked ribbons. 2,203,241; June 4.
Walker, Eric E. (See Evans, J. G., Piggott, Reynolds, Rose and Walker.)
Walker, Victor. (See Cunningham, A. J., and Walker.)
Wallace, Leon L. (See Stebbing, P. H., and Wallace.)
Walsh, Christopher, Pawtucket, and S. R. Walsh, Valley Falls, R. I., assignors to H & B American Machine Company. Long draft apparatus. 2,203,423; June 4.
Walsh, Christopher, Pawtucket, R. I., assignor to H & B American Machine Company. Top roll pressure mechanism. 2,203,424; June 4.
Walsh, Samuel R. (See Walsh, Christopher and S. R.)
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Container cover. 2,202,972; June 4.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Soap product. 2,202,973; June 4.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Ribbon soap. 2,202,974; June 4.
Walter, William P., Massillon, Ohio. Truss. 2,203,037; June 4.
Walters, Anne. (See Rosen, Maurice S., assignor.)
Walus, Andrew, Brooklyn, N. Y. Force cup. 2,203,185; June 4.
Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Timer. 2,203,556; June 4.
Warren Telechron Company. (See Warren, Henry E., assignor.)
Warthman, Harris, trustee. (See Wright, Alfred, assignor.)
Waterbury Lock and Specialty Company. (See Evans, William E., assignor.)
Watter, Michael, assignor to The Glenn L. Martin Company, Baltimore, Md. Gun turret. 2,203,345; June 4.
Waugh Equipment Company. (See Page, Harold D., assignor.)
Webb, Horace D., Rochester, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Welt shoe. 2,202,975; June 4.
Weber, Herman, and J. R. De Hamer, assignors to Shakespeare Products Company, Kalamazoo, Mich. Buffing machine. 2,203,003; June 4.
Weber, Karl, Los Angeles, Calif. Dispensing pump. 2,203,242; June 4.
Weimer, Hugo W. (See Clicquennoi, I. M., and Weimer.)
Weinman, Edwin L., New York, N. Y. Combination couch and bed construction. 2,203,398; June 4.
Weiss, Ernst, Bunt, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Mercerizing fabric. 2,203,375; June 4.
Weiss, Harry, New York, N. Y. Cardiac recording apparatus. 2,202,935; June 4.
Welch, Frank N., Flint, Mich. Apparatus for heating. 2,203,425; June 4.
Wentz, Oscar W., Long Island City, N. Y. Container construction. 2,202,879; June 4.
Wentz, Oscar W., Long Island City, N. Y. Container closure. 2,202,880; June 4.
Wesemann, Floyd J., Herscher, Ill. Magnetic chuck. 2,203,512; June 4.
West, Ernest. (See West, Frederick J., and E.)
West, Frederick J., and E. West, Miles Platting, Manchester, England, assignors to West's Gas Improvement Company Limited, Miles Platting, Manchester, England. Vertical retort setting for carbonization of coal and like materials. 2,203,006; June 4.
West, Julian M., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifying apparatus. 2,203,004; June 4.
West Virginia Pulp & Paper Company. (See Rawling, Francis G., assignor.)
Western Cartridge Company. (See Swebilius, Carl G., assignor.)
Western Electric Company. (See Brown, Morris, assignor.)
Western Electric Company. (See Ferrill, Thomas M., Jr., assignor.)
Western Precipitation Corporation. (See Brundage, Norman C., assignor.)
Western Union Telegraph Company, The. (See Michon, Alfred E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rathbun, John P., assignor.)
Weston, Edward F., Montclair, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Exposure meter. 2,203,209; June 4.
Weston Electrical Instrument Corporation. (See Weston, Edward F., assignor.)
West's Gas Improvement Company Limited. (See West, Frederick J., and E., assignors.)
Wettstein, Fritz, Stockholm, Sweden. Liquid pressure actuated regulator. 2,203,243; June 4.
Whatmough, Wilfred A., Golders Green, London, England. Centrifugal clutch. 2,203,117; June 4.
Whealton, Rowland G. (See O'Neill, F. E., and Whealton.)
Wheatley, Charles, Kansas City, Mo. Valve. 2,203,399; June 4.
White, Ernest C., Bronxville, assignor to Multi Vue Signs Company, Incorporated, New York, N. Y. Mirror sign. 2,203,244; June 4.
White, Ernest C., Bronxville, assignor to Multi Vue Signs Company, Incorporated, New York, N. Y. Motion display device. 2,203,245; June 4.
White Metal Manufacturing Company. (See Witte, Paul, assignor.)
Whitfield, Marshall G., and V. Sheshunoff, Knoxville, Tenn., assignors to Reynolds Metals Company, New York, N. Y. Apparatus for coating metal strips. 2,203,606; June 4.
Whitney, Alvin M., Bradford, Pa. Window. 2,202,818; June 4.
Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Switching system. 2,203,557; June 4.
Wiemer, Edward G., assignor to J. J. Gilson, Jr., Lynbrook, N. Y. Aerial advertising streamer. 2,203,623; June 4.
Wiessner, Alfred, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High frequency system. 2,203,316; June 4.
Wilkerson, Victor O. (See Lewis, W. L., and Wilkerson.)
Wilkes, Donald P. (See Betterton, J. O., Lebedeff, and Wilkes.)
Willetts, Paul G., Bolton Center, assignor to Hartford-Impire Company, Hartford, Conn. Container for molten glass. 2,203,288; June 4.
Williams, Howard E., Huntington Park, Calif. Automatic elevator. 2,203,118; June 4.
Williams, John L., assignor to Gardiner's Conveyers Limited, Bermondsey, Londan, England. Milling machinery. 2,203,273; June 4.
Williams, William M. (See Berry, E. G., and Williams.)
Williams, William M. (See Berry, E. G., Hazle, and Williams.)

Williams, William M., and E. G. Berry, assignors to B. F. Gump Co., Chicago, Ill Apparatus for treating granulated coffee. 2,202,936; June 4.
Willis, Horace H., New Rochelle, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Data transmission and control system. 2,203,478; June 4.
Wilson & Co. (See Bowers, William W., assignor.)
Wilson Fastener Company. (See Hartnett, John F., assignor.)
Wilson, Harold M., assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostat. 2,203,558; June 4.
Winslow, Edward N., Shaker Heights, assignor to The Mills Company, Cleveland, Ohio. Structural assembly. 2,202,881; June 4.
Winthrop Chemical Company. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller, assignors.)
Wise, George F., Philadelphia, Pa. Line clamp. 2,202,976; June 4.
Witte, Paul, New Milford, assignor to White Metal Manufacturing Company, Hoboken, N. J. Blank for forming collapsible tubes. 2,203,376; June 4.
Wittenberg, Erich, Berlin-Schoneberg, and H. Duchrow, Rathenow-on-the-Havel, Germany. Separable fastener and detachable end connecting member therefor. 2,203,005; June 4.
Witwer, Wallace J., and A. C. Bunyan, assignors to The B. W. B. Company, Cleveland, Ohio. Washing machine. 2,203,479; June 4.
Woelfel, Alphonso A., Tacoma, Wash. Apparatus for eye treatment. 2,203,069; June 4.
Wolden, Oscar E., Minneapolis, Minn., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive smokestack. 2,203,317; June 4.
Wolfe, Kinsey A., Cumberland, Md., assignor to Celanese Corporation of America. Thread guide. 2,202,937; June 4.
Wollaeger, Clarence G., assignor to Milcor Steel Company, Milwaukee, Wis. Wall trim. 2,203,119; June 4.
Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Pickling and cleaning device for strips of sheet metal. 2,203,480; June 4.
Wood, Henry A. Wise, assignor to The Wood Newspaper Machinery Corporation, New York, N. Y. Web splicing device. 2,203,007; June 4.
Wood Newspaper Machinery Corporation, The. (See Wood, Henry A. Wise, assignor.)
Wood, Wallace H., assignor to Norton Company, Worcester, Mass. Feeding mechanism for grinding wheel truing apparatus. 2,203,608; June 4.
Woodall, Herbert J., assignor to Woodall Industries Incorporated, Detroit, Mich. Laminated trim panel. 2,202,977; June 4.
Woodall Industries Incorporated. (See Randall, Meredith S., assignor.)
Woodall Industries Incorporated. (See Woodall, Herbert J., assignor.)
Woolvin, Clarence S. (See Piggott, H. A., and Woolvin.)
Wright, Alfred, Philadelphia, Pa., assignor to J. Harris Warthman, trustee. Pile fabric. 2,203,450; June 4.
Wylie, Howard W., Seattle, Wash., assignor to Mailler Searles, Inc., San Francisco, Calif. Conveyer. 2,202,882; June 4.
Yantiss, Jesse A., Haifa, Palestine. Twist drill grinding attachment. 2,202,819; June 4.
Yerk, Henry H., Chicago, Ill. Preparation of meat products. 2,203,318; June 4.
Young, William, Wishaw, Scotland. Device for controlling vertically sliding windows. 2,203,587; June 4.
Zastrow, Robert C., Racine, Wis. Automatic accelerator. 2,203,559; June 4.
Zenith Textile Corporation. (See Broder, Reuben, assignor.)
Zottu, Paul D., West Caldwell, N. J., assignor to Radio Corporation of America. Concentric lines and circuits therefor. 2,203,481; June 4.
Yoder Company, The. (See Yoder, Leonard A., assignor.)
Yoder, Leonard A., Lakewood, assignor to The Yoder Company, Cleveland, Ohio. Apparatus for operating on coiled sheet material. 2,202,883; June 4.
Yost, Clyde E. (See Morgan, E. B., and Yost.)
Young, D'Arcy A., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Objective mount. 2,203,660; June 4.
Young, Emil O., Cleveland, Ohio. Damper control. 2,203,120; June 4.
Young, Leonard A., Detroit, Mich. Paper tube and making. 2,203,006; June 4.
Young, Leonard A., Detroit, Mich. Making golf balls. 2,203,377; June 4.
Young, Lloyd W., Scotch Plains, N. J., assignor to Oxweld Acetylene Company. Flexible cutting nozzle. 2,203,210; June 4.
Youngstown Steel Door Company, The. (See Beauchamp, Wilfred A., assignor.)
Youngstown Sheet and Tube Company, The. (See Jones, C. G., and Titus, assignors.)
Zablocki, Frank, Jamaica, N. Y. Ductor roller control for printing presses. 2,203,070; June 4.
Zahm, Joseph D., assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,202,938; June 4.
Zaiger, Max, Swampscott, Mass. De-icing windshield wiper. 2,203,071; June 4.
Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Telegraph switching system. 2,203,289; June 4.
Zipser, Sidney, Los Angeles, assignor to Technicolor Motion Picture Corporation, Los Angeles (Hollywood), Calif. Portable light meter. 2,202,939; June 4.
Zitscher, Arthur, Kronberg in Taunus, R. Schmitt, Darmstadt, and H. Kracker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation. Water-insoluble azo dyestuffs and fiber dyed therewith. 2,203,038; June 4.
Zubek, John, Detroit, Mich. Electric clock mechanism. 2,203,186; June 4.
Zum-Berge, Emil H., Dallas, assignor, by mesne assignments, to Estate of Emil H. Zum-Berge and George Klein, both of Dallas, Tex. Underreamer. 2,203,246; June 4.
Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Magnetic analysis. 2,202,884; June 4.
Zuschlag, Theodor, West Englewood, N. J., assignor to Hans T. F. Lundberg, Montreal, Quebec, Canada. Apparatus for geophysical exploration. 2,202,885; June 4.
Zutavern, Philipp, and H. Metzger, Ludwigshafen-on-the-Rhine, Germany, assignors to E. Bilhuber, Inc., Jersey City, N. J. Preparation of diacetyldihydromorphinone. 2,203,121; June 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aircraft. B. B. Smith. Re. 21,478; June 4.
Bag closing unit, Filled. N. V. Christensen. Re. 21,472; June 4.
Dyes, Azo. S. S. Rossander. Re. 21,476; June 4.
Heating pad. N. H. McCleary. Re. 21,474; June 4.
Machine for bending wood sheets. V. R. Trabucco. Re. 21,479; June 4.
Radio receiver. A. J. Snow. Re. 21,480; June 4.
Receiving means. R. W. George. Re. 21,473; June 4.
Seal. J. C. Olsen. Re. 21,475; June 4.
Tag, Sealed. M. Rubinoff. Re. 21,477; June 4.

LIST OF PLANT INVENTIONS

Chrysanthemum. I. Nakata and D. Nakata. 401; June 4.

LIST OF DESIGN INVENTIONS

Advertising and vending device, Combined. A. N. Spanel. 120,875; June 4.
Airplane. W. K. Ebel. 120,909; June 4.
Airplanes. L. Holden and C. De Hibbs. 120,931; June 4.
Bottle and closure therefor, Combined. W. Nassour. 120,917; June 4.
Bottle collar or the like. L. P. Neher. 120,941; June 4.
Bowl or similar article, Flower. W. O. Prouty. 120,872; June 4.
Box, Display. A. Rous. 120,873; June 4.
Bracelet. A. Philippe. 120,896–7; June 4.
Bracket, Merchandising display. C. E. Drake. 120,879; June 4.
Braid, Stretchable. M. S. Mindell. 120,890; June 4.
Brooch. G. M. Carson. 120,906; June 4.
Brooch or similar article. C. E. Pauzat. 120,942; June 4.
Building. R. E. Foster. 120,928; June 4.
Cabinet, Brush. J. M. Nixon. 120,870; June 4.
Casing, Pneumatic tire. A. H. Holland. 120,932; June 4.
Chain or similar article, Linked. D. Cooper. 120,878; June 4.
Clip or similar article. M. Weeber. 120,925; June 4.
Clock or similar article. K. Lerman. 120,864–5; June 4.
Coat. N. Barasch. 120,946–7; June 4.
Coat or similar article, House. M. F. Hauck. 120,888; June 4.
Coffee maker. H. G. Lehmann. 120,933–4; June 4.
Colorimeter. S. J. Bailey and R. S. Estey. 120,877; June 4.
Counter, Combination disk record display and sales. A. Bitter. 120,905; June 4.
Dispenser and article support, Combined cigarette. H. Rubin. 120,922; June 4.
Dispenser, Cigarette. H. Rubin. 120,874; June 4.
Dispenser, Cigarette. H. Rubin. 120,920–1; June 4.
Dispensing device or similar article. A. Marra. 120,868; June 4.
Dress. M. Birnbaum. 120,947; June 4.
Dress. P. Fracchia. 120,880; June 4.
Dress. H. M. Harris. 120,959; June 4.
Dress. P. Israel. 120,963; June 4.
Dress. C. M. Neuhardt. 120,869; June 4.
Dress. C. M. Neuhardt. 120,891–4; June 4.
Dress. C. M. Neuhardt. 120,949; June 4.
Dress. R. Richman. 120,965; June 4.
Dress. S. Ruchman. 120,966; June 4.
Dress. M. Sobelman. 120,968; June 4.
Dress ensemble. J. H. Alkon. 120,944; June 4.
Embroidered trimming. F. Hoenig. 120,960–2; June 4.
Filter, Water-faucet. S. Lieberman. 120,915; June 4.
Globe, Light transmitting. A. L. Arenberg. 120,903; June 4.
Grille, Automobile. R. Cadwallader. 120,927; June 4.
Grille for stoves or the like. R. C. Sabins. 120,923; June 4.
Handbag. R. Lobel. 120,940; June 4.
Handbag or similar article, Lady's. B. R. Brody. 120,853–4; June 4.
Heater, Vehicle. G. R. Lippitt. 120,866; June 4.
Heater, Vehicle. G. R. Lippitt. 120,916; June 4.
Heater, Vehicle. G. R. Lippitt. 120,935–9; June 4.
Holder, Combination money and ticket. H. J. Lyon. 120,867; June 4.
Holder for garbage cans. F. Crossley. 120,858; June 4.
Housing or similar article, Horn. L. V. Grover. 120,911; June 4.
Jar or similar article, Double ended. A. Abrams. 120,902; June 4.
Knife, Weeding. E. Tuller. 120,876; June 4.
Lace trimming or similar article. E. W. Freudenberg. 120,881–4; June 4.
Lamp and radio receiving set, Combination. D. J. Crowley. 120,907–8; June 4.
Lamp or similar article, Parking. A. R. Pass. 120,918; June 4.
Lamp shade and supporting bracket, Combined illuminating. J. A. Heckman and B. Arvidson. 120,912; June 4.
Lamp shade, Louver. O. H. Williams. 120,926; June 4.
Lathe. W. G. Hoelscher. 120,863; June 4.
Leather fabric or similar article, Artificial. A. Stern. 120,950; June 4.
Lighting fixture, Fluorescent. L. F. Hursh. 120,913; June 4.
Lighting fixture, Portable. C. L. Steber. 120,924; June 4.
Medal. T. C. Glaser. 120,886; June 4.
Paper or similar article, Wrapping. T. L. Carter. 120,951–3; June 4.
Pencil or similar article, Mechanical. L. W. Saulsbury. 120,899; June 4.
Phonograph record changer standard. L. B. Green. 120,910; June 4.
Pin clip. V. Silson. 120,967; June 4.
Pinking machine. W. T. Maxant. 120,889; June 4.
Protector, Leg garment. J. M. Grezlak. 120,887; June 4.
Rack, Bird feeding. W. L. Bishop. 120,852; June 4.
Radio and lamp, Combined. M. Ress. 120,919; June 4.
Receptacle, Flexible pocket. W. R. Buxton. 120,855–6; June 4.
Redingote. A. Naftal. 120,948; June 4.
Secretary or the like, Corner. M. E. Garner. 120,861; June 4.
Shelf and support therefor, Combined. G. Heisler. 120,862; June 4.
Shoe. D. F. Whatmore. 120,901; June 4.
Sight feed, Lubricator. B. E. Folke. 120,860; June 4.
Slipper. H. Feifer. 120,859; June 4.
Slipper or similar article. C. Wolfelt. 120,943; June 4.
Spark plug cleaner. H. L. Hoke and R. W. Allen. 120,930; June 4.
Spark plug tester. H. L. Hoke and R. W. Allen. 120,929; June 4.
Spoon or other article of flatware. O. M. Otte. 120,895; June 4.
Stand, Bicycle. B. Cohen. 120,857; June 4.
Stapler. H. Ruskin. 120,898; June 4.
Sunglasses. J. Galter. 120,885; June 4.
Textile fabric. I. Cummings. 120,954; June 4.
Textile fabric. R. S. Gentile. 120,956–7; June 4.
Textile fabric. M. L. Guhl. 120,958; June 4.
Textile fabric. J. W. Lindsay. 120,964; June 4.
Textile fabric or similar article. R. Finkelstein. 120,955; June 4.
Tray, Ash. G. J. Horther. 120,914; June 4.
Tray or other article of hollow-ware. J. G. Theobald. 120,900; June 4.
Vaporizer. F. E. Owen. 120,871; June 4.
Whatnot, Illuminable. H. W. Beaver. 120,904; June 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abietyl sulphate and its manufacture. H. M. Parmelee. 2,203,339; June 4.
Abrading. C. H. Kasch. 2,203,530; June 4.
Accelerator, Automatic. R. C. Zastrow. 2,203,559; June 4.
Accounting machine. W. B. Gilson. 2,203,015; June 4.
Accumulating mechanism. D. Y. Read. 2,203,306; June 4.
Acetylene generator. D. F. Geiger. 2,202,847–8; June 4.
Acetylene, Polymerizing. A. Perlick and A. Steinmetz. 2,202,919; June 4.
Acid solution. P. F. Felkers. 2,203,649; June 4.
Adhesive. A. Menger. 2,203,501; June 4.
Advertising device. F. Maltese. 2,202,915; June 4.
Advertising streamer, Aerial. E. G. Wiemer. 2,203,623; June 4.
Aerial navigation. S. L. Egenas. 2,202,987; June 4.
Aerotube apparatus, Fire alarm. W. J. Kleinknecht. 2,203,035; June 4.
Agent for foundry cores and manufacture thereof, Binding. P. A. Ray. 2,203,471; June 4.
Agitating and comminuting mechanism. W. O. Chace. 2,203,404; June 4.
Air cleaning and filtering device. J. E. Hollebone. 2,203,570; June 4.
Air conditioning apparatus. A. E. Dempsey, Jr. 2,203,406; June 4.
Air conditioning device. I. I. Bock. 2,203,590; June 4.
Air conditioning method. C. M. Ashley. 2,203,560; June 4.
Air conditioning system. W. H. Carrier. 2,202,946; June 4.
Aircraft, Rotary-winged. H. S. Campbell. 2,203,012; June 4.
Air intake and filter. R. G. Nichols. 2,203,503; June 4.
Air, Treatment of. H. B. Beer. 2,203,188; June 4.
Alcohol containing aldol, Denatured. L. J. Figg, Jr. 2,202,845; June 4.
Alkyl phenols from petroleum oils, Recovering. W. J. Hund, S. B. Thomas, and D. B. Luten, Jr. 2,203,217; June 4.
Alloy: *See*—
Metal alloy.
Alloy. E. F. Doom and W. J. Priestley. 2,203,213; June 4.
Alloys, Making. E. F. Doom. 2,203,214; June 4.
Ammonium compound, Quaternary. H. A. Piggott and J. D. Rose. 2,203,505; June 4.
Amplifier linearized by negative feedback. H. Bendel. 2,203,484; June 4.
Amplifying apparatus. J. M. West. 2,203,004; June 4.
Anchor, Boat. J. F. Hottel. 2,202,856; June 4.
Anchor holder. G. E. Maxwell. 2,203,390; June 4.
Anchoring device. R. S. Peirce. 2,203,178; June 4.
Animal trap. J. D. Zahm. 2,202,988; June 4.
Annunciator. T. A. Keen. 2,203,630; June 4.
Antioxidants. D. R. Stevens and W. A. Gruse. 2,202,876; June 4.
Antioxidants and petroleum oils containing the same. D. R. Stevens and W. A. Gruse. 2,202,877; June 4.
Antioxidants, Production of aliphatic ketone-diarylamine. W. F. Tuley, C. S. Dewey, and R. S. Hanslick. 2,202,934; June 4.
Antishimmy device. R. C. Stoxen. 2,203,583; June 4.
Apparatus for and method of inducing pyrexia. C. C. Honsaker. 2,203,263; June 4.
Apparatus for and method of making containers. W. E. Amberg. 2,203,513; June 4.
Apparatus for and method of treating hat bodies. F. Franz, A. H. Boesch, and R. Pash. 2,203,409; June 4.
Apparatus for attaching slide fastener locking members to flexible tapes. A. Slusskind. 2,203,448; June 4.
Apparatus for coating metal strips. M. G. Whitfield and V. Shenhunoff. 2,203,606; June 4.
Apparatus for cutting contours. H. F. Kurtz. 2,203,389; June 4.
Apparatus for deaerating sirup. J. Kantor. 2,203,388; June 4.
Apparatus for depositing foam on liquid surfaces. H. M. Hoe. 2,203,301; June 4.
Apparatus for determining seismic velocities. N. R. Sparks. 2,203,272; June 4.
Apparatus for drying. W. Strobridge. 2,203,422; June 4.
Apparatus for electroplating wire or the like. J. L. Schueler. 2,203,062; June 4.
Apparatus for eye treatment. A. A. Woelfel. 2,203,069; June 4.
Apparatus for geophysical exploration. T. Euschlag. 2,202,885; June 4.
Apparatus for heating. F. N. Welch. 2,203,425; June 4.
Apparatus for making bobbin core tubes. L. C. Deane. 2,203,255; June 4.
Apparatus for manufacturing condenser electrodes. W. L. L. Vivie. 2,203,315; June 4.
Apparatus for manufacturing inked ribbons. F. A. Waldron. 2,203,241; June 4.
Apparatus for measuring fluid pressure. K. W. Fieber. 2,203,460; June 4.
Apparatus for measuring the color of light. K. van Briessen and J. Eggert. 2,203,036; June 4.
Apparatus for operating on coiled sheet material. L. A. Yoder. 2,202,883; June 4.
Apparatus for preparing granular coffee. E. G. Berry, A. J. Hazle, Jr., and W. M. Williams. 2,202,891; June 4.
Apparatus for producing gas from carbon containing materials. N. H. Freeman. 2,203,137; June 4.
Apparatus for producing molded pulp articles. C. Stack. 2,203,343; June 4.
Apparatus for projecting cinematographic images carried on disks. R. Levy. 2,203,437; June 4.
Apparatus for rectifying alternating currents. G. Slayter. 2,202,873; June 4.
Apparatus for regulating a condition. E. X. Schmidt. 2,203,472; June 4.
Apparatus for removing surface metal from metallic bodies. J. H. Bucknam. 2,203,211; June 4.
Apparatus for treating granulated coffee. W. M. Williams and E. G. Berry. 2,202,936; June 4.
Apparatus for treating thermoplastic products. G. Smith. 2,203,620; June 4.
Apparatus responsive to accelerations. E. Schmettow. 2,203,061; June 4.
Armrest. H. M. Hood. 2,203,413; June 4.
Article including metal foil, creped. W. W. Rowe. 2,202,870; June 4.
Articles, Means for assorting. L. W. Bacon, Jr. 2,203,248; June 4.
Asphaltic product and producing same. E. C. Daigle. 2,203,081; June 4.
Atomizer. E. A. Mikosz. 2,203,576; June 4.
Atomizer and heater for force feed lubricators, Lubricant. J. C. Burford. 2,203,046; June 4.
Baby dressing table. P. F. Meilink. 2,203,538; June 4.
Bag: *See*—
Sweeper dust bag.
Bags, Forming open mesh. W. E. Sackner and J. E. Millett. 2,202,996; June 4.
Bait box, Live. E. M. Lyon. 2,203,203; June 4.
Balancer for ladders. H. Schwarz and C. A. Ellers. 2,203,445; June 4.
Ball retriever. I. Macdonald. 2,203,170; June 4.
Ballast working implement. C. Jackson. 2,203,018; June 4.
Band for phonographic disks, Controlling and illustrating. G. G. Schoch. 2,202,925; June 4.
Bank feed. H. K. King. 2,203,531; June 4.
Bar: *See*—
Swather bar.
Basket, Produce. S. A. Carter. 2,202,832; June 4.
Beam, Warper. R. U. Thornton. 2,203,584; June 4.
Bearing: *See*—
Shaft bearing.
Bearing corrosion, Prevention of motor. O. L. Brandes. 2,202,825; June 4.
Beef carcasses, Treatment of. A. S. Hartanov. 2,202,951; June 4.
Beer cooling device. F. E. Rice. 2,203,365; June 4.
Beer energizer. P. J. Costello. 2,203,130; June 4.
Bench and table construction, Folding. R. E. Schieber. 2,203,394; June 4.
Bending table. R. F. Onsrud. 2,203,027; June 4.
Bit: *See*—
Drill bit.
Blank for forming collapsible tubes. P. Witte. 2,203,376; June 4.
Blind of guided type, Venetian. E. M. Trammell. 2,203,371; June 4.
Block: *See*—
Building block.
Blotting device. P. J. Gillespie. 2,203,195; June 4.
Blower unit, Reversible. H. D. Euwer. 2,203,491; June 4.
Blue flame burner. H. M. Reeves. 2,202,923; June 4.
Board: *See*—
Drawing board.
Boat. A. L. Field. 2,203,565; June 4.
Bobbin. W. J. Simpson. 2,203,286; June 4.
Bobbinless loom. A. M. De Gezelle, Sr. 2,203,190; June 4.
Body and chassis underframe, Combined. J. Ledwinka. 2,202,859; June 4.

Body elevating mechanism for dumping wagons or the like. H. S. Palm. 2,203,059; June 4.
Boiler: *See*—
Mercury boiler. Power boiler.
Bolt lock, Cap. A. E. Jackman, Jr. 2,203,219; June 4.
Bolt, Safety. G. Klumpp. 2,203,333; June 4.
Bookholder. J. Bell and A. M. Bell. 2,203,126; June 4.
Bottle. M. Leviseur. 2,203,266; June 4.
Bottle mouthpiece. F. W. Trabold. 2,203,476; June 4.
Bowling alley. R. Federer. 2,203,458; June 4.
Box: *See*—
Bait box. Nested box.
Electric outlet box. Shipping box.
Miter box. Tool and tackle box.
Box or crate, Knockdown. A. C. Friedel. 2,203,625; June 4.
Bracket. T. C. Carney and J. A. Peterson. 2,202,811; June 4.
Bracket for lamps and the like. R. W. Hall. 2,202,814; June 4.
Brake equalizer for automobiles. J. Macsicska. 2,203,536; June 4.
Brake shoe mounting. B. Dick. 2,202,842; June 4.
Brake tester. O. H. Fowler. 2,204,136; June 4.
Braking mechanism. B. Dick. 2,202,841; June 4.
Brick forming machine. A. F. Stavenow. 2,203,447; June 4.
Briquetting rolls, Making. G. Komarek. 2,203,200; June 4.
Brooder heater, Electric. K. W. Du Bois. 2,203,215; June 4.
Brush, Fountain. T. F. E. Pound. 2,203,361; June 4.
Buckle, Belt. F. J. O'Brien. 2,203,270; June 4.
Buffing machine. H. Weber and J. R. De Hamer. 2,203,003; June 4.
Building block. J. G. Lee. 2,202,956; June 4.
Building structure. E. S. Guignon, Jr. 2,202,850; June 4.
Burner: *See*—
Blue flame burner. Oil burner.
Exhaust gas burner.
Burner controller, Motorized. B. Cyr. 2,203,613; June 4.
Burrs, Method and apparatus for removing. C. G. Jones and H. G. Titus. 2,202,914; June 4.
Butane-polycarboxylic acids, Production of. H. Hopff and W. Rapp. 2,203,628; June 4.
Button fastener. A. Ilische. 2,203,017; June 4.
Button operating device, Horn. M. H. Hollingsworth. 2,203,281; June 4.
Cabinet: *See*—
Index cabinet. Sewing cabinet.
Recipe and menu cabinet.
Cabinet and dispensing mechanism therefor, Towel. F. G. Steiner. 2,202,930; June 4.
Cable anchoring device. W. O. Schultz. 2,203,066; June 4.
Cable layer. I. T. Kempe. 2,203,435; June 4.
Cake cover, Wedding. B. O. Montgomery. 2,203,540; June 4.
Calculating machine. A. J. Fettig. 2,202,948; June 4.
Calculator. R. T. Frazier. 2,203,194; June 4.
Camera, Photographic. E. H. Settel. 2,203,368; June 4.
Camera, Time controlled subterranean. W. J. Opocensky. 2,203,176; June 4.
Car: *See*—
Refrigerator freight car.
Car frame, Railway. W. F. Dietrichson. 2,203,490; June 4.
Carbinols, High molecular weight substituted ethinyl. A. W. Ralston. 2,203,363; June 4.
Carbonaceous materials, Treatment of. H. Dreyfus. 2,202,901; June 4.
Carburetor float support. B. Mollberg. 2,202,993; June 4.
Card holder. L. Jullien and J. E. Jullien. 2,203,155; June 4.
Card, Mailing. A. Podmore. 2,203,578; June 4.
Cardiac recording apparatus. H. Weiss. 2,202,935; June 4.
Case: *See*—
Spectacle case.
Caster. V. Milich. 2,203,539; June 4.
Catch. E. Kun. 2,203,202; June 4.
Catch. M. V. Mussa. 2,202,916; June 4.
Catch, Door. A. Ronning. 2,203,580; June 4.
Cathode ray tube. G. B. Banks. 2,203,483; June 4.
Cellulosic material, Dyed. J. G. Evans, H. A. Piggott, R. J. W. Reynolds, J. D. Rose, and E. E. Walker 2,203,492; June 4.
Cellulosic material, Treatment of. J. G. Evans, H. A. Piggott, R. J. W. Reynolds, J. D. Rose, and E. E. Walker. 2,203,493; June 4.
Cellulosic materials such as paper and fabrics to make them resistant to water, Treatment of. T. L. Osborne. 2,203,231; June 4.
Centrifugal clutch. W. A. Whatmough. 2,203,117; June 4.
Centrifugal separator. H. E. Korum. 2,203,532; June 4.
Cereal grinding mill. E. G. Berry and W. M. Williams. 2,202,892; June 4.
Chair: *See*—
Counter chair. Folding chair.
Chassis, Motor vehicle. S. S. Blanc. 2,202,810; June 4.
Chisel for removing boiler tubes. I. Klein. 2,203,158; June 4.
Chuck, Magnetic. F. J. Wesemann. 2,203,512; June 4.
Circuit: *See*—
Ignition circuit. Voltage doubler circuit.
Thermionic tube circuit.
Circuit breaker. W. H. Frank. 2,203,462; June 4.
Circuit breaker mechanism. J. A. Coy. 2,203,131; June 4.
Circuit for radio receivers and the like, Antenna. J. H. Pressley. 2,203,442; June 4.
Clamp: *See*—
Line clamp. Spring clamp.
Clamp for mine cars, Rail. H. Sherman. 2,203,602; June 4.
Cleaner: *See*—
Suction cleaner.
Clip: *See*—
Finger clip.
Clock mechanism, Electric. J. Zubeck. 2,203,186; June 4.
Clutch: *See*—
Centrifugal clutch.
Coal mining machine. O. T. Porter. 2,202,962; June 4.
Coating, Elastic. W. J. Anderson and S. S. Rosen. 2,203,274; June 4.
Cock, Gas. R. E. Schoenberger. 2,203,395; June 4.
Coin-operated device. F. R. Butherus. 2,202,897; June 4.
Color correction. G. Ehrenfried. 2,203,652; June 4.
Color correction process. D. L. MacAdam and C. J. Staud. 2,203,656; June 4.
Color harmony, Identifying and reproducing. T. F. Lodwick. 2,203,167; June 4.
Color process and camera therefor. J. G. Capstaff. 2,203,651; June 4.
Comb protector. J. J. Maendel. 2,203,438; June 4.
Combing machine. J. W. Nasmith. 2,202,816; June 4.
Comfort wave machine. J. H. Morrow, K. V. Baker, and H. J. Reeves. 2,203,268; June 4.
Commutator. F. J. Baird and A. L. Simison. 2,202,820; June 4.
Compensable joint. J. E. Carter. 2,203,078; June 4.
Computing and listing machine. W. W. Landsiedel. 2,203,336; June 4.
Computing and listing machine. W. W. Landsiedel. 2,203,533; June 4.
Computing counter. E. A. Slye. 2,203,109; June 4.
Concrete hardening composition of the metal salt type. L. Liberthson. 2,203,302; June 4.
Condition controller. N. A. Metzger. 2,203,631; June 4.
Connection, Pressure vessel. H. J. Kerr. 2,203,357; June 4.
Connector: *See*—
Electrical connector.
Contact attachment for electrical connections. A. J. Anderson. 2,203,122; June 4.
Container: *See*—
Dispensing container.
Container. H. F. Rigerman. 2,203,271; June 4.
Container closure. O. W. Wentz. 2,202,880; June 4.
Container construction. O. W. Wentz. 2,202,879; June 4.
Container cover. C. T. Walter. 2,202,972; June 4.
Container making machine. C. Barbieri. 2,203,515; June 4.
Container for molten glass. P. G. Willetts. 2,203,288; June 4.
Containers from plastic materials, Molding. E. P. Stevenson and B. B. Fogler. 2,203,421; June 4.
Control for refrigeration systems. A. D. Siedle and W. H. Kitto. 2,203,509; June 4.
Control mechanism. B. R. Granberg. 2,203,297; June 4.
Control mechanism, Electrically operable. J. E. Quinlivan. 2,202,922; June 4.
Control surface lock. J. A. Sterhardt. 2,203,396; June 4.
Control system for photocomposing machines. A. T. Koppe. 2,203,094; June 4.
Convertible light. C. Sklarek. 2,202,969; June 4.
Conveyer. H. W. Wylie. 2,202,882; June 4.
Conveyer control device. M. Rosenthal. 2,203,508; June 4.
Conveyer transfer and seal means. A. S. Chandler. 2,203,079; June 4.
Cooling apparatus. C. B. Oliver. 2,203,439; June 4.
Copolymers of polyallyl esters and polymerizable unsaturated compounds. B. S. Garvey and C. H. Alexander. 2,202,846; June 4.
Cord assembly, Assist. A. W. Prance. 2,203,340; June 4.
Cot fastener. D. H. Cox. 2,202,837; June 4.
Couch and bed construction, Combination. E. L. Weinman. 2,203,398; June 4.
Counter chair. T. I. Anderson. 2,203,320; June 4.
Coupler, Car. W. J. Metzger. 2,203,391; June 4.
Coupling. F. J. Raybould. 2,203,237; June 4.
Cover: *See*—
Cake cover. Portable cover.
Container cover.
Cultivating tool. R. S. Klopfenstein. 2,203,159; June 4.
Cup, Force. A. Walus. 2,203,185; June 4.
Cups, Method and machine for making paper. H. J. Smith and C. B. Bild. 2,203,510; June 4.
Curler, Hair. P. J. Graham. 2,203,050; June 4.
Curler, Hair. W. Huppert. 2,203,218; June 4.
Current into alternating current, Arrangement for converting direct. A. Leifer. 2,203,467; June 4.
Cushion assembly. C. F. and W. C. Bartel. 2,203,007; June 4.
Cushioning mechanism. H. D. Page. 2,203,542; June 4.
Cutout figure or object. F. L. Cairo. 2,203,128; June 4.

Cutout, Sectionalizing. G. W. Goldner. 2,203,330; June 4.
Cutter: *See*—
Pipe cutter.
Cutting device, Flying. K. W. Hallden. 2,203,260; June 4.
Cutting mechanism. A. F. Shields. 2,202,872; June 4.
Damper control. E. O. Young. 2,203,120; June 4.
Damper, Vibration. R. R. R. Sarazin. 2,202,967; June 4.
Data transmission and control system. H. H. Willis. 2,203,478; June 4.
Dauber. M. C. Holter. 2,202,907; June 4.
Delivery vehicle, Sitting drive. J. Nicol. 2,203,599; June 4.
Dental device. G. M. Hollenback. 2,203,089; June 4.
Denture, Artificial. R. Klicka. 2,203,226; June 4.
Depositing machine. R. J. Oswalt. 2,202,917; June 4.
Detergents, Preparing. J. Ross and J. E. Mitchell. 2,203,443; June 4.
Device for applying treating material to leather. P. Bolhofner and T. Koch. 2,203,250; June 4.
Device for compressing materials of or into a more or less viscid condition. A. Sonsthagen. 2,203,549; June 4.
Device for control and operation by fluid servo-motor. G. Fleischel. 2,203,296; June 4.
Device for curing ingrowing toenails. E. Schmidthofer. 2,202,926; June 4.
Dextrose from starch, Production of. S. M. Cantor. 2,203,325; June 4.
Dextrose, Production of. C. J. Copland. 2,203,324; June 4.
Diacetyldihydromorphinone, Preparation of. P. Zutavern and H. Metzger. 2,203,121; June 4.
Dialkylaminobenzoates and making them. H. A. Piggott and C. S. Woolvin. 2,202,865; June 4.
Die holder. A. W. Altvater. 2,202,809; June 4.
Differential transmission, Fluid drive. G. T. Pollard. 2,203,546; June 4.
Dishwashing machine. M. N. Partridge. 2,203,029; June 4.
Dispenser: *See*—
Tooth paste dispenser.
Dispensing container. P. M. Thorn. 2,203,313; June 4.
Dispensing device. H. C. Grant, Jr. 2,203,626; June 4.
Dispensing pump. K. Weber. 2,203,242; June 4.
Distributing apparatus. T. M. Ferrill, Jr. 2,203,258; June 4.
Doll eye mounting. M. Buchner and M. Kapp. 2,202,896; June 4.
Door and window latch. J. C. Loggins. 2,203,500; June 4.
Door construction. W. G. Horstman. 2,203,264; June 4.
Door for railway cars, Grain. J. A. Schmitz. 2,203,107; June 4.
Door locking device, Vehicle. T. H. Clarkson-Jones. 2,202,833; June 4.
Door locking system. T. H. Clarkson-Jones. 2,202,834; June 4.
Door operator, Garage. O. D. Boardman. 2,202,943; June 4.
Draft apparatus, Long. C. Walsh and S. R. Walsh. 2,203,423; June 4.
Drag link body and making same. G. H. Hufferd and M. P. Graham. 2,202,909; June 4.
Drawing board, Compartment. J. L. Stenquist. 2,203,474; June 4.
Drier and overlapper. R. J. Thompson. 2,203,605; June 4.
Drill bit. M. Hokanson. 2,203,216; June 4.
Drill grinding attachment, Twist. J. A. Yantiss. 2,202,819; June 4.
Drilling hook. H. E. Grau and R. K. Hertel. 2,203,139; June 4.
Drying agent and making and using the same. W. A. Hammond. 2,203,144; June 4.
Ductor roller control for printing presses. F. Zablocki. 2,203,070; June 4.
Dummy, Portable. M. J. Gilman. 2,203,259; June 4.
Duplicating device. M. J. Doppelt. 2,203,192; June 4.
Dyeing. P. Rabe and H. Roos. 2,203,305; June 4.
Dyes and preparation thereof, Polymethine. E. B. Middleton. 2,202,991; June 4.
Dyes from substituted mercapto derivatives, Preparing cyanine. L. G. S. Brooker. 2,202,827; June 4.
Dyestuff preparation, Dry. D. A. W. Fairweather. 2,203,257; June 4.
Dyestuffs and fiber dyed therewith, Water-insoluble azo. A. Zitscher, R. Schmitt, and H. Kracker. 2,203,038; June 4.
Dyestuffs and making same, Polyazo. W. Hanhart. 2,203,196; June 4.
Dyestuffs, Anthraquinone vat. R. N. Lulek and W. Dettwyler. 2,203,227; June 4.
Dyestuffs, Methine. E. B. Middleton and G. A. Dawson. 2,202,990; June 4.
Dyestuffs of the benzanthrone series. W. H. Lycan. 2,203,416; June 4.
Earpiece manufacture. J. G. Roberts. 2,203,105; June 4.
Echo effects, Method and apparatus for producing. P. C. Goldmark. 2,203,352; June 4.
Electric control system. F. A. Haigh. 2,203,527; June 4.
Electric discharge lamp. J. L. Cox. 2,203,612; June 4.
Electric lamp. H. J. Spanner. 2,203,550; June 4.
Electric outlet box. F. Mueller. 2,203,026; June 4.
Electric switch. D. G. Kimball. 2,203,224; June 4.
Electric switch. C. P. Randolph and L. A. Kempton. 2,203,236; June 4.
Electric switch. F. G. von Hoorn. 2,203,555; June 4.
Electrical conductor. D. K. Crampton. 2,203,080; June 4.
Electrical connector. F. W. Mebold. 2,203,337; June 4.
Electrical switch. O. Froland. 2,203,350–1; June 4.
Electrical switching device. H. A. Douglas. 2,203,326; June 4.
Electrical switching device. W. Schmid. 2,203,309; June 4.
Electron discharge device. J. Böhme. 2,203,249; June 4.
Electron discharge device. J. L. H. Jonker and A. J. W. M. van Overbeek. 2,203,221; June 4.
Electron discharge device. E. Labin. 2,203,334; June 4.
Electron discharge device utilizing electron multiplication. O. Klemperer. 2,203,225; June 4.
Electron multiplier, Shielded anode. P. T. Farnsworth and R. L. Snyder. 2,203,048; June 4.
Electronic discharge tube. B. Berghaus and W. Burkhardt. 2,203,452; June 4.
Electro-optical method and apparatus. J. C. Batchelor. 2,203,347; June 4.
Electroplating process. M. Brown. 2,203,253; June 4.
Elevator, Automatic. H. E. Williams. 2,203,118; June 4.
Elevator, Invalid. C. O. Nicolai. 2,203,204; June 4.
Emulsion, Stable. R. Kapp. 2,203,641; June 4.
Engine: *See*—
Internal combustion engine. Rotary engine.
Ethers, Preparation of polyalkylene ether thioammeline. H. A. Bruson. 2,202,828; June 4.
Exhaust gas burner. W. C. Uhri, Jr., and W. P. Gruner. 2,203,554; June 4.
Explosive. G. C. Hale. 2,202,851; June 4.
Exposure meter. E. F. Weston. 2,203,209; June 4.
Fabric: *See*—
Pile fabric.
Fabric, Mercerizing. E. Weiss. 2,203,375; June 4.
Face, False. G. L. Edwards. 2,203,562; June 4.
Facsimile recorder. J. V. L. Hogan and H. C. Ressler. 2,202,855; June 4.
Fastener: *See*—
Button fastener. Cot fastener.
Fastener and detachable end connecting member therefor, Separable. E. Wittenberg and H. Duchrow. 2,203,005; June 4.
Fastener or holder, Window sash. C. Z. Hayes. 2,202,952; June 4.
Fastening device. A. M. Hexdall. 2,203,146; June 4.
Faucet. A. M. Vedoe. 2,202,971; June 4.
Feeder: *See*—
Lehr feeder.
Feeding mechanism for grinding wheel truing apparatus. W. H. Wood. 2,203,608; June 4.
Fiberboard structure and making the same. C. S. Evans. 2,203,084; June 4.
Film magazine, Endless loop. J. L. Spence, Jr. 2,203,032; June 4.
Film, Stencil. A. A. Heath. 2,203,280; June 4.
Filter: *See*—
Air intake and filter. Oil filter.
Filtering apparatus. H. C. Tingey. 2,202,932; June 4.
Finger clip, Antiskid. G. H. Rives. 2,203,308; June 4.
Firearm. V. A. Browning. 2,203,378; June 4.
Firearm, Tubular magazine. C. G. Swebilius. 2,203,035; June 4.
Fish lure. J. M. Shannon. 2,203,473; June 4.
Fish, Removing bones from. W. A. Gibbs. 2,203,566; June 4.
Fishing device. J. B. Paxton. 2,203,618; June 4.
Fishing float. G. Borneman. 2,203,252; June 4.
Flatiron. H. C. Davis. 2,203,276; June 4.
Flow switch. W. H. Hinsch. 2,203,331; June 4.
Fluid pressure mechanism. B. Dick. 2,203,082; June 4.
Fluid pressures, Measuring and controlling. F. E. O'Neill and R. G. Wheaton. 2,203,577; June 4.
Foil condenser and producing same. R. L. Miller. 2,203,283; June 4.
Foils, films, and threads of cellulose formate, Manufacture of transparent. W. König. 2,203,596; June 4.
Folding chair. R. E. Bascom and H. W. Bascom. 2,203,610; June 4.
Food compositions and producing them, Thickened. A. Musher. 2,203,643; June 4.
Footrest for vehicles. W. T. Jacobs. 2,202,857; June 4.
Force measuring device. H. Brown. 2,203,293; June 4.
Frame: *See*—
Car frame.
Frequency discriminating network. W. R. Koch. 2,203,498; June 4.
Fruit cutting machine. M. C. Hjelte and F. N. Todd. 2,203,627; June 4.
Fungicide. M. C. Goldsworthy. 2,203,431; June 4.
Furnace charger. J. N. Richardson. 2,203,307; June 4.
Game. A. C. De Milt. 2,203,456; June 4.
Game. W. Heiniger. 2,203,145; June 4.
Game. E. Schuman and N. A. Severson. 2,203,183; June 4.
Garment. F. C. Barnard. 2,203,401; June 4.
Garment hanger. J. D. Coney. 2,203,381; June 4.
Garment press. G. F. McDougall. 2,203,359; June 4.
Gas scrubber. N. C. Brundage. 2,203,592; June 4.

Gas therapy apparatus. J. G. Kessler. 2,202,953; June 4.
Gaseous conduction lamp. F. Alexander. 2,203,482; June 4.
Gauge. R. A. and O. F. Johnson. 2,203,019; June 4.
Gauge for paper cutting machines and the like, Power actuated. W. M. Reichart. 2,203,547; June 4.
Gear pump. J. P. Johnson. 2,202,913; June 4.
Gear shifter, Power operated automotive. P. M. Carter, D. F. Linsley, and L. A. Larsen. 2,203,380; June 4.
Gear shifting mechanism. H. W. Price. 2,202,866; June 4.
Gearing. F. C. Best. 2,203,292; June 4.
Gearshift mechanism. F. Girardi and S. Cipullo. 2,202,949–50; June 4.
Generator: *See*—
Acetylene generator. Wave generator.
Low frequency generator.
Glass article bottomer. P. Krause. 2,203,573; June 4.
Glass, Method of and apparatus for making. V. Mulholland. 2,203,269; June 4.
Glassware, Ornamental. A. J. Cunningham and V. Walker. 2,203,647; June 4.
Golf balls, Making. L. A. Young. 2,203,377; June 4.
Governor and driving control for automotive vehicles, Speed. C. V. Shearer. 2,203,446; June 4.
Grain separator. H. L. Johnson. 2,203,152; June 4.
Grenade, Hand. J. Hines and L. Segal. 2,203,640; June 4.
Grinding apparatus. S. A. Hamnett. 2,203,262; June 4.
Grinding implement, Valve seat. S. H. Haas. 2,203,142–3; June 4.
Guard, Bumper. S. R. Conwell. 2,203,489; June 4.
Guard, Drill press. H. E. Tautz. 2,202,878; June 4.
Guard, Grille. J. L. Koubek and H. A. Taylor. 2,203,499; June 4.
Guide, Thread. K. A. Wolfe. 2,202,937; June 4.
Gun for oil wells, Perforating. F. C. Kniss. 2,203,265; June 4.
Gyroscope. H. Langgässer. 2,202,955; June 4.
Hair clipping and shaving device. R. E. Jones. 2,203,020; June 4.
Handle: *See*—
Tool handle.
Handle for drawers and the like. H. L. Pehrson. 2,203,030; June 4.
Handling device for invalid cots. F. A. Buntin. 2,203,045; June 4.
Hanger: *See*—
Garment hanger. Sash hanger.
Hanger for trousers. H. Stec. 2,203,034; June 4.
Hardness testing machine. R. Campbell and F. H. Nass. 2,203,129; June 4.
Hat, Illuminated. L. W. Parrillo. 2,203,028; June 4.
Headrail assembly for Venetian blinds. E. M. Trammell. 2,203,372; June 4.
Heat detector. R. B. Green and A. V. Pennington. 2,203,051; June 4.
Heat exchange apparatus. C. T. Bappler. 2,203,075; June 4.
Heater: *See*—
Brooder heater.
Heater. G. Allen. 2,203,588; June 4.
Heating apparatus. M. Arter. 2,203,187; June 4.
Heating element mounting construction. E. L. Smalley. 2,202,874; June 4.
Heating structure, Automobile. E. L. Potter. 2,202,920; June 4.
Heel mold, Rubber. M. Pancorbo. 2,203,543; June 4.
Heels to shoes, Attaching. E. H. Bastable. 2,202,941; June 4.
High frequency system. A. Wiessner. 2,203,316; June 4.
Hinge and check, Spring door. M. W. Henry. 2,203,197; June 4.
Hinge, Concealed. W. Bobek. 2,203,041; June 4.
Hitch, Trailer. A. L. Rankin. 2,202,867; June 4.
Hoist. R. A. Uecker, I. G. Rambo, D. E. Beatty, and F. H. Graser. 2,203,113; June 4.
Hoisting mechanism for vehicles. H. W. Shonnard. 2,203,310; June 4.
Holder: *See*—
Anchor holder. Receptacle holder.
Card holder. Salt block holder.
Dye holder. Tube cap holder.
Kite string holder.
Holder. J. E. Martin. 2,202,957; June 4.
Holder. A. L. Slee. 2,203,239; June 4.
Holder and clamp, Tool. E. Reaney. 2,203,104; June 4.
Holder and dispenser, Cup. H. Greenhill. 2,203,494; June 4.
Holder and loader, Box strap. G. M. Hill and H. D. Clark. 2,203,412; June 4.
Hook: *See*—
Drilling hook.
Hopper and inclined chute, Rotary. W. E. Smith. 2,203,287; June 4.
Humidity controller. J. M. Larson. 2,203,534–5; June 4.
Hydraulic control mechanism. R. C. Lamond. 2,203,097; June 4.
Hydrocarbon mixtures, Cracking. M. Pier and F. Christmann. 2,203,470; June 4.
Ice, Manufacture of conserving. P. Nitsche. 2,203,230; June 4.
Ignition circuit. D. W. Randolph. 2,203,579; June 4.
Incubator. D. O. Lager. 2,203,335; June 4.
Index cabinet, Card. F. Link. 2,203,166; June 4.
Index sheet. A. A. Tait. 2,203,511; June 4.
Indicating apparatus. C. S. Draper. 2,202,900; June 4.
Infant's bathing device. B. H. Kennedy. 2,203,222–3; June 4.
Ink, Drying printing. H. M. Hanson. 2,203,087; June 4.
Internal combustion engine. F. C. Dons. 2,203,648; June 4.
Internal combustion engine. M. Tips. 2,203,449; June 4.
Iron: *See*—
Soldering iron.
Iron, Manufacture of hematite cast. R. Perrin. 2,203,179; June 4.
Jack: *See*—
Scaffold jack.
Joint: *See*—
Compensable joint.
Justifying means for typewriters and other machines. E. N. Robinson, Jr. and H. W. Krukau. 2,202,869; June 4.
Kite. H. J. Irvin. 2,203,150; June 4.
Kite release for parachutes and gliders. R. F. Doerr. 2,203,083; June 4.
Kite string holder. R. N. Stibbins. 2,203,604; June 4.
Knitting machine. W. Boulais. 2,202,824; June 4.
Knitting, Process of. J. H. Miller and F. Evans. 2,203,228; June 4.
Lamp:
Electric discharge lamp. Gaseous conduction lamp.
Electric lamp. Test lamp.
Lamp. J. Gelb. 2,203,410; June 4.
Lamp arranged for beam and turn indication, Side. C. A. Michel. 2,203,502; June 4.
Latch: *See*—
Door and window latch.
Latch. G. E. Roedding. 2,203,341; June 4.
Lehr and method of annealing glassware, Annealing. W. S. Randall. 2,203,182; June 4.
Lehr feeder. J. E. Figel. 2,203,385; June 4.
Lens shifting and focusing mechanism. A. E. Schubert. 2,203,658; June 4.
Lettuce pack and packing lettuce. E. H. Spiegl. 2,203,033; June 4.
Leveler, Ground. G. A. Partridge. 2,202,815; June 4.
Licithin product and making the same. R. Feibelmann. 2,203,295; June 4.
Light: *See*—
Convertible light.
Light meter, Portable. S. Zipser. 2,202,939; June 4.
Line clamp. O. J. Simler. 2,202,968; June 4.
Line clamp. G. F. Wise. 2,202,976; June 4.
Lines and circuits therefor, Concentric. P. D. Zottu. 2,203,481; June 4.
Liquid pressure actuated regulator. F. Wettstein. 2,203,243; June 4.
Liquids, Aging. O. F. Nilsson and K. F. Nilsson. 2,203,229; June 4.
Litter, Folding. J. J. Ettinger. 2,203,193; June 4.
Lock: *See*—
Bolt lock. Nut lock.
Control surface lock.
Lock and holding device, Sash. G. E. Srack. 2,203,184; June 4.
Lock device, Telephone. C. V. Richey. 2,202,965; June 4.
Lock seam soldering attachment. A. M. Cameron. 2,203,403; June 4.
Locomotive tender. N. M. Lower. 2,203,098; June 4.
Loom: *See*—
Bobbinless loom.
Loom apparatus. M. S. Rosen. 2,202,924; June 4.
Low frequency generator. A. E. Michon. 2,203,417; June 4.
Lubricant. T. J. Brown. 2,203,044; June 4.
Lubricant. K. P. Powers. 2,203,102; June 4.
Lubricant and method of lubrication. T. G. Roehner and E. S. Carmichael. 2,203,507; June 4.
Lubricant for internal combustion engines. O. L. Brandes. 2,202,826; June 4.
Lubricating system, Controllable. A. Sardu. 2,202,817; June 4.
Machine for cleansing and treating. D. E. Bonner. 2,203,251; June 4.
Machine for polishing rollers, such as used in printing machines. I. H. Gilbertson. 2,203,567; June 4.
Machine for reading perforated record cards. C. C. Smith. 2,203,000; June 4.
Machine for slitting meat. J. P. Spang. 2,203,603; June 4.
Machine tool. B. R. Granberg. 2,203,298; June 4.
Magnesium silicate products, Making. N. Goodwin. 2,203,614; June 4.
Magnetic analysis. T. Zuschlag. 2,202,884; June 4.
Mail-sacking accessory. M. F. Theis. 2,203,067; June 4.
Manometer for use with vacuum apparatus. A. Malicov. 2,203,574; June 4.
Manure spreader. R. A. Johnson. 2,202,858; June 4.
Mask for color film, Integral. R. M. Evans. 2,203,658; June 4.
Masticatory. F. A. Kertess. 2,203,436; June 4.
Material, Box toe. H. B. Morse and W. S. Cornell. 2,203,597; June 4.
Materials, Separating fragmentary. V. Rakowsky, R. W. Arms, and G. J. Holt. 2,203,601; June 4.

Matrix setting and type-line-casting machine. O. Bieber. 2,202,942; June 4.
Measuring and testing instrument for oxygen breathing apparatus. F. Hollmann. 2,203,147; June 4.
Meat, Leaching. W. W. Bowers. 2,203,454; June 4.
Meat products, Preparation of. H. H. Yerk. 2,203,318; June 4.
Mercury boiler. R. J. Carpenter. 2,202,831; June 4.
Mercury boiler. B. P. Coulson, Jr. 2,202,835; June 4.
Metal alloy, Hard. C. W. Balke. 2,202,821; June 4.
Metal amides, Making alkali. J. A. Nieuwland. 2,202,994; June 4.
Metal organic compounds, Stabilization of. J. A. van Melsen. 2,203,374; June 4.
Metal to insulation, Bonding. W. Osenberg. 2,203,099–100; June 4.
Metal, Welding of lengths of strip. L. Iversen. 2,203,151; June 4.
Meter: *See*—
Exposure meter. Light meter.
Metering plug. D. and R. E. Moody. 2,203,284; June 4.
Metering valve, Thermoresponsive. R. W. Johnson. 2,203,153; June 4.
Microphone. A. I. Abrahams. 2,202,886; June 4.
Milking machine pulsator. W. A. Scott. 2,202,997; June 4.
Mill: *See*—
Cereal grinding mill.
Milling attachment for machine tools. W. H. Lee. 2,203,162; June 4.
Milling machinery. J. L. Williams. 2,203,273; June 4.
Mirror sign. E. C. White. 2,203,244; June 4.
Miter box. J. A. Sperry. 2,203,369; June 4.
Mixer: *See*—
Portable mixer.
Mixer and dispenser for carbonated and noncarbonated drinks, Automatic. M. J. Holmes. 2,203,054; June 4.
Mixing machine. C. W. Kendall. 2,203,356; June 4.
Modulated-carrier wave-signal-translating system. M. Cawein. 2,203,521; June 4.
Mold: *See*—
Heel mold.
Mooring device. N. U. Gundlan. 2,203,433; June 4.
Mop. A. M. Anderson. 2,203,451; June 4.
Mop. T. Casinello. 2,203,189; June 4.
Mop. K. S. Rogers. 2,203,106; June 4.
Motion display device. E. C. White. 2,203,245; June 4.
Motor vehicle. F. C. Best. 2,203,290–1; June 4.
Mount means, Yieldable. A. P. Armington. 2,202,940; June 4.
Mount, Objective. D'A. A. Young, Jr. 2,203,660; June 4.
Mounting: *See*—
Brake shoe mounting. Ophthalmic mounting.
Doll eye mounting.
Mounting for oscillating members. K. and H. Schröter. 2,203,619; June 4.
Mouthpiece, Cigarette. G. Davidson. 2,202,839; June 4.
Mower, Lawn. H. Junge. 2,203,198; June 4.
Mower sharpening tool, Lawn. B. A. Stuart. 2,203,551; June 4.
Musical instrument. L. Hammond. 2,203,569; June 4.
Musical instrument. J. H. Reuther. 2,203,393; June 4.
Musical instrument, Electrical. T. J. George. 2,203,432; June 4.
N-tertiary amino acyclic carboxylic acids and their salts, Manufacture of. W. S. Calcott, L. Spiegler, and J. M. Tinker. 2,203,009; June 4.
Nail for fastening sheeting. R. L. Engle. 2,203,294; June 4.
Needles, Making spring beard. G. T. Broberg. 2,202,945; June 4.
Nested box. E. S. Tipton. 2,203,240; June 4.
Noise reduction system. V. D. Landon. 2,203,465; June 4.
Nonskid and braking device for vehicles. M. J. Espelta. 2,203,459; June 4.
Nozzle adjusting construction. E. F. Martinet. 2,203,537; June 4.
Nozzle, Flexible cutting. L. W. Young. 2,203,210; June 4.
Nozzle, Suction. A. A. Forsberg. 2,203,650; June 4.
Nozzle, Suction. E. O. H. Hansson. 2,203,088; June 4.
Nut lock. J. H. Reohr. 2,202,868; June 4.
Odorizer for gas, Evaporative. J. F. Putnam. 2,203,362; June 4.
Oil burner. W. O. Behrens. 2,202,822; June 4.
Oil burner. W. O. Behrens. 2,202,981; June 4.
Oil burner. G. Levine. 2,203,165; June 4.
Oil burner. R. S. Thoresen. 2,203,553; June 4.
Oil filter, Nodulated. H. G. Kamrath. 2,203,495; June 4.
Oil treating plant. R. R. MacDonald. 2,203,267; June 4.
Oil well pump. F. E. Steele. 2,202,970; June 4.
Oils, Conversion of hydrocarbon. J. C. Morrell. 2,203,025; June 4.
Oils, Deodorizing. H. J. Ullmann. 2,203,373; June 4.
Oiler, Flange. O. W. Swanson. 2,203,112; June 4.
Opener and liquid dispenser, Combined container. J. S. Kahn. 2,203,156; June 4.
Operating mechanism for injector overflow valves. E. Rawson. 2,203,103; June 4.
Operating position adjustment for harvesting machines. H. Kamplade. 2,203,022; June 4.
Ophthalmic mounting. G. A. Ellestad. 2,203,408; June 4.
Organic compound, Nitrogen-containing. H. A. Piggott and J. D. Rose. 2,203,506; June 4.
Organic substances, Sulphonation of unsaturated. T. C. Oliver. 2,203,440; June 4.
Oscillator for generation of high frequencies, Electrical. W. Flechsig. 2,203,085; June 4.
Oven heating and control system, Multiple. S. R. Porwancher. 2,202,995; June 4.
Oven, Regenerative coke. H. Petsch. 2,203,285; June 4.
Ovens, Heating of bakers' and like. J. E. Pointon and C. Dumbleton. 2,203,180; June 4.
Package production, Flexible refrigerating. C. F. Brown. 2,203,591; June 4.
Package, Shipping. F. M. Kelly. 2,203,199; June 4.
Packages, Wrapping. E. A. Nordberg. 2,203,058; June 4.
Packing, Machinery. C. R. Hubbard. 2,202,908; June 4.
Paint mixing apparatus. C. E. Farrington. 2,203,135; June 4.
Pan with cake loosening means, Tube cake. M. Hutchinson. 2,203,091; June 4.
Paper feeding device. W. L. Lewis and V. O. Wilkerson. 2,203,024; June 4.
Paper, Waxed wrapping. C. M. Rhodes. 2,203,633; June 4.
Papermaking machine, Pressure and vacuum forming. E. E. Berry. 2,202,890; June 4.
Partition for sinks. F. A. Hanson. 2,203,052; June 4.
Partition structure. G. M. Mills. 2,202,861–2; June 4.
Pasteurizing apparatus. J. R. Gruetter. 2,203,141; June 4.
Patty forming machine. F. C. Bauer. 2,203,518; June 4.
Pen filling device, Fountain. O. R. Terry. 2,203,475; June 4.
Pen release mechanism. C. B. Moore. 2,203,057; June 4.
Pencil, Mechanical. D. Kahn. 2,203,093; June 4.
Pencil of the type comprising a lead-conveying tube, Magazine. T. Kovács. 2,203,160; June 4.
Percussion or repercussion apparatus. F. L. Douglas. 2,203,384; June 4.
Perforator, Well casing. M. F. Aloi. 2,202,887; June 4.
Phase failure and overload protective system. E. W. Seeger and G. C. Brown. 2,202,998; June 4.
Phonograph. L. Z. La Forest. 2,203,096; June 4.
Photographic antihalation layer. S. E. Sheppard and R. C. Houck. 2,203,659; June 4.
Photographic apparatus. A. E. Lechleitner and L. R. Martin. 2,203,655; June 4.
Photographic material. E. B. Middleton and G. A. Dawson. 2,202,992; June 4.
Pickling and cleaning device for strips of sheet metal. F. J. Wood. 2,203,480; June 4.
Pickup for sheet feeders. H. Hallstream. 2,203,261; June 4.
Picture projection screen. D. M. Kennedy. 2,202,988; June 4.
Piercing machine or the like. W. G. Bihler. 2,202,894; June 4.
Piezoelectric device. T. G. Kinsley. 2,203,332; June 4.
Piezo-electric device. C. U. Peterson. 2,203,545; June 4.
Pile fabric. A. Wright. 2,203,450; June 4.
Pipe cutter. G. P. and J. T. Ellis. 2,203,011; June 4.
Pipe cutter. J. T. Ellis. 2,202,935–6; June 4.
Pipe welding. J. V. Caputo. 2,202,898; June 4.
Piston. R. C. Cross. 2,203,455; June 4.
Piston expanding tool. S. F. Oliver. 2,203,175; June 4.
Piston, Internal combustion engine. C. W. Dake. 2,202,838; June 4.
Piston ring. C. F. Johnston. 2,203,154; June 4.
Piston ring and making same. A. T. Colwell. 2,202,899; June 4.
Piston sealing device. D. M. Solenberger. 2,203,208; June 4.
Pivot for watt-hour disks and the like. S. S. Greep. 2,203,411; June 4.
Plate attaching device. H. A. Taylor. 2,203,397; June 4.
Plate, Gasketed. W. Astle. 2,203,123; June 4.
Plow, Disk. C. G. Strandlund. 2,202,931; June 4.
Plug: *See*—
Metering plug.
Pocket, seal press. C. Priemeyer. 2,203,644; June 4.
Polishing and buffing machine. G. A. Carlson. 2,203,488; June 4.
Portable cover. H. McCurley. 2,203,575; June 4.
Portable mixer. G. Goldberg and E. Graf. 2,203,430; June 4.
Power boiler. R. J. Rockefeller. 2,203,366; June 4.
Power boiler. E. H. Taylor. 2,203,370; June 4.
Power dividing and transmitting mechanism. B. W. Keese. 2,203,282; June 4.
Power system. J. M. Pestarini. 2,203,544; June 4.
Power transmission. F. T. Harrington, L. R. Twyman, and J. Robinson. 2,203,354; June 4.
Power transmission. H. F. Patterson. 2,203,177; June 4.
Preparation for removing hair from the body. M. E. Buff. 2,202,829; June 4.
Press: *See*—
Garment press. Shaft or tube press.
Pocket seal press.
Press. M. L. Rathbun. 2,202,964; June 4.
Pressure controller. L. L. Cunningham. 2,203,523; June 4.

Printing mechanism. A. E. Long. 2,203,168; June 4.
Protective arrangement. C. Ryder. 2,203,548; June 4.
Protector: *See*—
Comb protector.
Pulp, Bleaching. F. Casciani. 2,203,212; June 4.
Pulp, Bleaching. F. G. Rawling. 2,203,205; June 4.
Pump: *See*—
Dispensing pump. Oil well pump.
Gear pump.
Pump. E. W. Aspden. 2,203,646; June 4.
Pump. G. W. Harry. 2,203,464; June 4.
Pump. J. P. Johnson. 2,202,911; June 4.
Pump and relief valve, Gear. J. P. Johnson. 2,202,912; June 4.
Pumping structure. F. A. Carpenter. 2,203,077; June 4.
Pumping unit. H. A. Holzer. 2,203,148; June 4.
Punch, Statistical card. W. F. Kelley. 2,203,355; June 4.
Radiator and air cleaner assembly. F. A. Donaldson. 2,203,407; June 4.
Radio instruction device. A. L. Daugherty. 2,203,594; June 4.
Radio receiver. J. E. Beggs. 2,203,517; June 4.
Radio receiver. E. L. Brown. 2,203,043; June 4.
Radio tube and the like. M. R. Schulte. 2,202,871; June 4.
Radio tube, Metal. J. E. Beggs. 2,203,516; June 4.
Rail drilling machine. F. C. Lavarack and B. Schlesinger. 2,203,415; June 4.
Rail fastening, Double pressure compensating. R. P. Clarkson. 2,203,624; June 4.
Rail flaw detector mechanism. H. C. Drake. 2,203,256; June 4.
Rate mechanism. R. C. Coupland. 2,202,836; June 4.
Receiver, Superheterodyne. R. Burgholz. 2,203,487; June 4.
Receptacle holder. C. R. Munson and A. R. Gross. 2,203,632; June 4.
Recipe and menu cabinet. J. E. Hines. 2,203,053; June 4.
Record sensing device, Perforated. E. A. Ford. 2,203,013; June 4.
Rectification system. W. H. Bennett. 2,202,823; June 4.
Reel. A. J. Bond. 2,203,453; June 4.
Reel for moving picture film. H. R. Pausin. 2,203,101; June 4.
Refrigerating apparatus. H. F. Smith. 2,203,207; June 4.
Refrigeration. P. P. Anderson, Jr. 2,203,074; June 4.
Refrigeration. W. H. Kitto and A. D. Siedle. 2,203,497; June 4.
Refrigeration. W. A. Kuenzli. 2,203,023; June 4.
Refrigeration control. W. H. Kitto. 2,203,496; June 4.
Refrigeration unit. E. W. Lager. 2,202,954; June 4.
Refrigerator freight car. R. K. Schwebs. 2,203,108; June 4.
Register, Cash. E. Wagner. 2,203,115–16; June 4.
Register, Warm air. A. M. Teevin. 2,203,552; June 4.
Regulator: *See*—
Liquid pressure actuated regulator.
Regulator for time delay circuits. H. B. Martin. 2,203,468; June 4.
Remote control, Selective. W. Koenig. 2,203,358; June 4.
Resin from cashew nutshell oil and another phenol. A. F. Shepard, J. F. Boiney, and L. Sontag. 2,203,206; June 4.
Resins, gums, and balsams. R. R. Grant. 2,202,849; June 4.
Resonator, such as piezoelectric crystal devices, Mechanical. M. E. A. Bruzau, S. Van Mierlo, and P. L. Bour. 2,203,322; June 4.
Retort setting for carbonization of coal and like materials, Vertical. F. J. and E. West. 2,203,586; June 4.
Ring: *See*—
Piston ring.
Roll, Clearer. A. D. Davis. 2,202,812; June 4.
Roll controlling mechanism for printing machines, Web. R. A. Freeman. 2,203,014; June 4.
Roll pressure mechanism, Top. C. Walsh. 2,203,424; June 4.
Roller blank and making rollers therefrom. W. A. Beauchamp. 2,203,125; June 4.
Roof construction. G. E. Swenson. 2,203,312; June 4.
Roof construction. I. S. Towsley. 2,203,314; June 4.
Rotary engine. W. W. Cushman. 2,203,047; June 4.
Rubber and product obtained thereby, Treating. L. H. Howland. 2,203,090; June 4.
Rubber articles, Making. R. W. Albright. 2,203,072; June 4.
Rubber filaments into thread, Assembling. R. G. James. 2,203,387; June 4.
Rule, Rolling. W. E. Evans. 2,203,134; June 4.
Saddle, Top roll. G. Repass and H. B. Ahlberg. 2,203,419; June 4.
Salt block holder. F. H. Beyea. 2,203,275; June 4.
Salts, Quaternary ammonium. H. A. Piggott and C. S. Woolvin. 2,202,864; June 4.
Sand classifier. I. M. Cilcquennoi and H. W. Weimer. 2,203,405; June 4.
Sash hanger. C. O. Goserud. 2,203,049; June 4.
Saxophone. F. E. Comer. 2,203,593; June 4.
Scaffold jack. R. A. Uecker, I. G. Rambo, and D. E. Beatty. 2,203,114; June 4.
Scale, Automatic. N. E. Dorrington and G. A. Cullon. 2,202,947; June 4.
Scale, Counting. M. T. Thorsson. 2,203,002; June 4.
Scissors, Sliding blade. J. Muserlian. 2,203,541; June 4.
Scraper, Dumping. A. G. Gurries. 2,203,615; June 4.
Screen: *See*—
Picture projection screen.
Screw adjusting mechanism. F. Meinhardt. 2,203,303; June 4.
Screw propeller, Adjustable. C. Gausmann. 2,202,813; June 4.
Screw, Self-locking adjusting. C. W. Shaw. 2,202,928; June 4.
Seal. D. A. Boyd. 2,202,944; June 4.
Seal. S. C. Leonard, Jr. 2,203,163–4; June 4.
Sealing means for high pressure heads. J. P. Rathbun. 2,203,364; June 4.
Sealing means for shafts. S. F. Dupree, Jr. 2,203,525; June 4.
Seat: *See*—
Spring seat. Toilet seat.
Seismic prospecting. W. G. Green. 2,203,140; June 4.
Separator: *See*—
Centrifugal separator. Grain separator.
Sewing cabinet. A. I. Ekstrom. 2,203,563; June 4.
Sewing machines, Feed mechanism for. H. Hacklander and H. J. Le Vesconte. 2,203,386; June 4.
Sewing machines, Tufting attachment for. E. W. Jackson. 2,203,220; June 4.
Shaft bearing. E. S. Aker. 2,203,039; June 4.
Shaft or tube press. U. A. Luman. 2,203,092; June 4.
Shaving and clipping tool. H. L. Sessions and H. L. Jones. 2,203,581; June 4.
Shaving or hair clipping device, Mechanical. R. E. Jones. 2,203,021; June 4.
Sheaths of electric cables, pipes, and other metal articles against corrosion, Protecting. T. L. Osborne and H. J. Allcock. 2,203,232; June 4.
Sheet facsimile system, Continuous. W. G. H. Finch. 2,203,461; June 4.
Sheet, Felted fabric. W. J. Moeller. 2,203,173; June 4.
Shield and filter, Register. M. Sinclair. 2,203,311; June 4.
Shield and mounting, Fender. A. P. Fergueson. 2,202,904; June 4.
Shield, Fender. A. P. Fergueson. 2,202,903; June 4.
Shingle, Metallic. E. Bussey. 2,202,830; June 4.
Shipping box. J. E. Borah. 2,203,127; June 4.
Ships, boats and other floating structures, Hydraulic propulsion of. W. Diamond. 2,203,010; June 4.
Shoe. C. C. Klaus. 2,203,157; June 4.
Shoe covering. J. B. Francis. 2,203,429; June 4.
Shoe lasting. S. Azzara. 2,203,247; June 4.
Shoe, Welt. H. D. Webb. 2,202,975; June 4.
Shredding machine. B. V. Edwards. 2,202,843; June 4.
Shutter, Curtain. J. Mihalyi. 2,203,657; June 4.
Shuttle motion, Magnetic. K. T. Gröndahl. 2,203,568; June 4.
Sign: *See*—
Mirror sign.
Sign and sign character. G. A. Auer. 2,202,888; June 4.
Signal: *See*—
Warning signal.
Signal translation, Method and apparatus for. P. C. Goldmark. 2,203,353; June 4.
Signaling, supervising, and recording system, Electric. J. R. Harrington. 2,202,853; June 4.
Skate. J. R. Foley. 2,203,278; June 4.
Sled. J. S. Ruffner. 2,203,060; June 4.
Slimes, Treating. J. O. Betterton, Y. E. Lebedeff, and D. P. Wilkes. 2,202,893; June 4.
Smokestack, Locomotive. O. E. Wolden. 2,203,317; June 4.
Soap product. C. T. Walter. 2,202,973; June 4.
Soap, Ribbon. C. T. Walter. 2,202,974; June 4.
Soldering iron, Fountain type. T. H. Hallwood. 2,203,299; June 4.
Sole, Molding a shoe. P. A. Sperry. 2,202,875; June 4.
Sound generating system to a sound generating diaphragm, Coupling a. W. Ditsche. 2,203,428; June 4.
Sound recording. G. L. Dimmick. 2,203,191; June 4.
Spectacle case. C. L. Bausch. 2,203,402; June 4.
Speed drive system, Variable. V. Hoover. 2,203,149; June 4.
Speed transmission, Variable. W. P. Schmitter. 2,203,635–6; June 4.
Speed transmission, Variable. W. P. Schmitter and A. G. Bade. 2,203,637; June 4.
Speedometer. E. F. Bacon. 2,203,514; June 4.
Spout for containers, Detachable. J. B. Englert. 2,203,133; June 4.
Spreading and grading attachment for scrapers. A. C. Gurries. 2,203,616; June 4.
Spring clamp. O. F. Tallman. 2,203,621; June 4.
Spring device. C. M. Sloman and H. Hierta. 2,203,342; June 4.
Spring seat, Form fitting metal. C. W. Nelems. 2,203,598; June 4.
Spring suspension. D. Pica. 2,203,392; June 4.
Spring system. E. Kreissig and F. Tönne. 2,203,095; June 4.
Sprinkler control system. J. R. Ginnaty. 2,203,138; June 4.
Stairway, Disappearing. E. P. Garner. 2,203,086; June 4.

Standard, Seat end. E. B. Morgan and C. E. Yost. 2,203,304; June 4.
Staple blank. C. B. Goodstein. 2,202,905; June 4.
Staple remover. W. Drypolcher. 2,202,984; June 4.
Starter for engines. R. Odell. 2,203,338; June 4.
Steel for Hawaiian guitars. V. J. Lawrence. 2,203,466; June 4.
Stenciling apparatus. J. Dichter. 2,203,457; June 4.
Stirrer. W. F. McPhee and A. N. Severin. 2,202,860; June 4.
Stove. J. E. Chambers. 2,203,348; June 4.
Strand or cable. I. W. Edwards. 2,202,844; June 4.
Strap for accordions and other musical instruments, Shoulder. H. Petersen. 2,203,234; June 4.
Strip punching machine. H. O. Bates. 2,202,889; June 4.
Striping machine. C. M. Harvey. 2,203,529; June 4.
Striping or banding machine. R. H. Johnson. 2,203,572; June 4.
Structural assembly. E. N. Winslow. 2,202,881; June 4.
Suction cleaner. B. C. Becker. 2,202,979–80; June 4.
Suction cleaner. W. C. Bell. 2,202,982; June 4.
Suction cleaner. V. E. Carlson. 2,203,983; June 4.
Suction cleaner. D. C. Gerber. 2,203,463; June 4.
Suction cleaner. W. H. Kitto. 2,202,989; June 4.
Suction cleaner. E. F. Martinet. 2,203,171; June 4.
Suction cleaner. D. G. Smellie. 2,202,999; June 4.
Suction cleaner. C. H. Taylor. 2,203,001; June 4.
Sulfiing apparatus. J. L. Schueler. 2,203,065; June 4.
Sulphanilamido-aminopyridines and producing the same. E. T. Tisza, B. F. Duesel, and H. L. Friedman. 2,202,933; June 4.
Sulphonated products, Making. B. A. Dombrow and R. M. Beach. 2,203,524; June 4.
Sulphonation product. R. Kapp. 2,203,642; June 4.
Sulphonic or sulphate derivatives of hydrocarbons, Water-soluble and oil-soluble. T. C. Oliver. 2,203,441; June 4.
Support: *See*—
Carburetor float support.
Support and stop, Combined shade. G. W. Lang. 2,203,161; June 4.
Supporting means for piezoelectric plates. W. L. Bond. 2,203,486; June 4.
Surge arrester. C. A. Fox. 2,203,349; June 4.
Swather bar. J. E. Mills. 2,203,418; June 4.
Sweeper dust bag. J. S. Campbell. 2,203,254; June 4.
Switch: *See*—
Electric switch. Flow switch.
Electrical switch.
Switching device. H. M. Bascom. 2,203,321; June 4.
Switching system. J. Wicks. 2,203,557; June 4.
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Baby dressing table. Bending table.
Tabulating machine. J. T. Ferry. 2,203,327; June 4.
Tape dispenser and cutter. F. A. Anderson. 2,203,073; June 4.
Tape, Fastener. J. F. Hartnett. 2,202,854; June 4.
Tape perforator. J. A. Spencer. 2,203,582; June 4.
Tar or pitch, Distillation of. O. Reynard. 2,203,645; June 4.
Telegraph apparatus, Printing. E. W. F. Hanke. 2,203,300; June 4.
Telegraph switching system. W. J. Zenner. 2,203,289; June 4.
Telegraph system with repetition of the signals. A. Bakker and H. C. A. van Duuren. 2,203,609; June 4.
Telephone receiver. M. S. Hawley. 2,202,906; June 4.
Television scanning system. D. E. Harnett. 2,203,528; June 4.
Television system. M. Cawein. 2,203,520; June 4.
Television system. C. L. Richards. 2,203,634; June 4.
Temperature, Method of and apparatus for controlling. L. Gwathmey. 2,203,526; June 4.
Test lamp. O. S. A. Mesch. 2,203,469; June 4.
Textile and other materials, Coloration of. G. H. Ellis and H. C. Olpin. 2,202,902; June 4.
Thermal alarm. R. F. Knaack. 2,203,414; June 4.
Thermionic tube circuit. R. H. Dreisbach and N. F. Martin. 2,203,277; June 4.
Thermostat. H. M. Wilson. 2,203,558; June 4.
Thermostatically controlled valve. R. J. Smith. 2,203,110; June 4.
Thread and making same, Rubber. G. S. Van Voorhis. 2,203,622; June 4.
Thread in superposed layers of fabric, Drawing in loose loops of. J. Sedlmair. 2,203,031; June 4.
Tilling implement. W. H. Silver. 2,202,929; June 4.
Timer. H. E. Warren. 2,203,556; June 4.
Timing relay. H. L. Van Valkenburg. 2,203,585; June 4.
Tire, Pneumatic. J. E. Hale. 2,203,617; June 4.
Toilet seat, Infant's folding. W. C. Baxter. 2,203,076; June 4.
Toilet venting device. P. H. Stebbing and L. L. Wallace. 2,203,111; June 4.
Tool: *See*—
Cultivating tool. Piston expanding tool.
Machine tool. Shaving and clipping tool.
Mower sharpening tool.
Tool. T. E. Brinton. 2,202,895; June 4.
Tool and tackle box. O. G. Bauman. 2,203,008; June 4.
Tool for cleaning and dressing fish. A. Lovgren. 2,203,169; June 4.
Tool for splicing and tightening barbed wire. G. D. Regas. 2,203,238; June 4.
Tool handle, Detachable. M. Plön. 2,202,863; June 4.
Tooth paste dispenser. R. Isidore and W. D. Faltz. 2,203,629; June 4.
Toy aircraft. R. L. Bass. 2,202,978; June 4.
Trap: *See*—
Animal trap.
Trap for a pressure responsive instrument, Steam and sediment. H. J. Hartley. 2,203,434; June 4.
Tray unit or the like, Laundry. H. G. Coordes. 2,203,323; June 4.
Tree, Miniature artificial Christmas. A. W. Hahn, Jr., and R. E. Hahn. 2,203,016; June 4.
Tree reproduction, Fruit. R. J. Rodocker. 2,202,966; June 4.
Trim panel, Laminated. M. S. Randall. 2,202,963; June 4.
Trim panel, Laminated. H. J. Woodall. 2,202,977; June 4.
Trim, Wall. C. G. Wollaeger. 2,203,119; June 4.
Trimming machine. L. Iversen. 2,202,910; June 4.
Trouble recorder. A. C. Powell. 2,202,921; June 4.
Truss. M. Portnow. 2,203,235; June 4.
Truss. W. P. Walter. 2,203,037; June 4.
Tube: *See*—
Cathode ray tube. Radio tube.
Electronic discharge tube.
Tube and method of making, Paper. L. A. Young. 2,203,006; June 4.
Tube cap holder, Collapsible. G. W. Schumaker. 2,202,927; June 4.
Tube construction, Vacuum. E. K. Smith. 2,203,639; June 4.
Tube for automobile tires, Inner. W. B. Barry. 2,203,124; June 4.
Tube welding apparatus. J. L. Anderson. 2,203,319; June 4.
Tuning arrangement for high frequency apparatus. J. Goldmann. 2,203,329; June 4.
Tuning mechanism. L. L. de Kramolin. 2,202,840; June 4.
Turret, Gun. M. Watter. 2,203,345; June 4.
22,23-Dibromostigmasterolacetate and preparing it. M. Bockmühl, G. Ehrhart, H. Ruschig, and W. Aumüller. 2,203,611; June 4.
Underreamer. E. H. Zum-Berge. 2,203,246; June 4.
Urea derivatives, Manufacture of new. H. A. Piggott and J. D. Rose. 2,203,504; June 4.
Vacuum cooking and cooling. J. C. Smaltz and C. J. Covert. 2,203,638; June 4.
Values from lignite liquor, Recovery of. R. Nauth. 2,202,959; June 4.
Valve: *See*—
Metering valve. Thermostatically controlled
Pump and relief valve. valve.
Valve. J. Hansen. 2,202,852; June 4.
Valve. C. Wheatley. 2,203,399; June 4.
Valve assembly. A. L. Parker. 2,202,960–1; June 4.
Valve device. H. Schorer. 2,203,367; June 4.
Valve disk for rectifiers and photoelectric cells, Manufacturing selenium. O. Geisler. 2,203,328; June 4.
Valve gear for steam engines, Adjustable. R. R. Bush. 2,203,379; June 4.
Valve mechanism for fluid pressure systems. W. F. Boldt. 2,203,042; June 4.
Valve operating mechanism. E. J. Panish. 2,203,233; June 4.
Vehicle: *See*—
Delivery vehicle. Motor vehicle.
Vehicle rocking apparatus. P. J. Kroll. 2,203,201; June 4.
Vehicles, Suspension of. J. Kolbe. 2,203,056; June 4.
Ventilating device for centrifuge casings. F. W. Kunkel. 2,203,854; June 4.
Ventilating system for automobiles. N. E. Wahlberg. 2,203,477; June 4.
Ventilator. C. L. Schilling. 2,203,444; June 4.
Viscosimeter. R. D. Delamere and W. M. Hutcheon. 2,203,132; June 4.
Vitamin E concentrate, Producing. J. S. Andrews. 2,203,400; June 4.
Voltage doubler circuit. L. C. Bentley. 2,203,485; June 4.
Warning signal. T. J. Scofield and F. W. Hardick. 2,203,420; June 4.
Washing device for photographs and the like. L. K. Davis. 2,203,382–3; June 4.
Washing machine. W. J. Witwer and A. C. Bunyan. 2,203,479; June 4.
Water gate for pneumatic tires. H. A. Farnsworth. 2,203,564; June 4.
Water, Purifying. R. E. Bassett, Jr. 2,203,040; June 4.
Wave generator, Periodic. M. Cawein. 2,203,519; June 4.
Weather strip and mounting therefor. N. C. Clark. 2,203,522; June 4.
Web handling apparatus. A. Potdevin and R. L. Richmond. 2,203,181; June 4.
Web splicing device. H. A. W. Wood. 2,203,607; June 4.
Well, Liquid cement. T. N. Hutchison. 2,203,571; June 4.
Wells, Device for use in. E. B. Hall and A. L. Armentrout. 2,203,595; June 4.
Wheel suspension. J. Tjaarda. 2,203,344; June 4.
Wheel suspension, Independent. R. F. Peo and S. C. Bliss. 2,202,918; June 4.
Window. A. M. Whitney. 2,202,818; June 4.

Window closer, Automatic. P. Pusak. 2,203,600; June 4.
Window construction. O. L. Dautrick. 2,203,427; June 4.
Window construction. H. R. McCleary. 2,203,172; June 4.
Window, Vehicle. J. Muttray and W. Vogel. 2,203,174; June 4.
Windows, Device for controlling vertically sliding. W. Young. 2,203,587; June 4.
Wiper, De-icing windshield. M. Zaiger. 2,203,071; June 4.
Wiper, Windshield. J. W. Anderson. 2,203,346; June 4.
Wire, Method and apparatus for manufacturing barbed. H. Thiemer. 2,203,068; June 4.
Wire, Method of and apparatus for treating and drawing. J. L. Schueler. 2,203,064; June 4.
Wire, Treating and coiling. J. L. Schueler. 2,203,063; June 4.
Wood hydrolysate solutions, Treatment of. A. M. Partansky. 2,203,360; June 4.
Wood, Treatment of. J. W. Baymiller. 2,203,589; June 4.
Wringer. J. W. Brandt. 2,203,426; June 4.
Writing machine. W. E. McFarland. 2,202,958; June 4.
X-ray apparatus. E. B. Graves. 2,203,279; June 4.
Yarn, Manufacture of chenille. R. Broder. 2,203,561; June 4.

CLASSIFICATION OF PATENTS

ISSUED JUNE 4, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1940

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adam Hat Stores, Inc., New York, N. Y. Men's hats, outer and under shirts, underwear, etc. Serial Nos. 426,591-2; June 11. Class 39.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. Serial No. 426,593; June 11. Class 39.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. Serial No. 426,794; June 11. Class 39.

Adams Products Company. (See Godfrey, Frederick.)

Adclaar Bros., Inc., New York, N. Y. Women's, misses', and juniors' blouses, shirts, skirts, etc. Serial No. 430,169; June 11. Class 39.

Alframine Corporation, New York, N. Y. Soapless soap powders. Serial No. 430,535; June 11. Class 4.

Aluminum Ore Company, East St. Louis, Ill. Alumina, aluminum fluorides, sodium fluorides, etc. Serial No. 425,106; June 11. Class 6.

American Druggists Syndicate, Inc., Long Island City, N. Y. Analgesic balm, headache and neuralgia preparations, etc. Serial No. 424,676; June 11. Class 6.

American Pulley Company, The, Philadelphia, Pa. Pulleys and pulley sets. Serial No. 429,555; June 11. Class 23.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Springs. Serial Nos. 418,028–9; June 11. Class 13.

Ams, Max, Inc., New York, N. Y. Jam. Serial No. 428,671; June 11. Class 46.

Armstrong Laboratories, Tulsa, Okla. Manicure cream. Serial No. 429,802; June 11. Class 6.

Arrow Rubber Corporation, New York, N. Y. Prophylactic rubber articles. Serial No. 425,553; June 11. Class 44.

Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 430,054; June 11. Class 6.

Atlas Powder Company, Wilmington, Del. Dynamite. Serial No. 427,129; June 11. Class 9.

BJB Company, Green Bay, Wis. Liniment. Serial No. 431,285; June 11. Class 6.

Barber, W. H., Company, Minneapolis, Minn. Anti-freeze solution. Serial Nos. 430,992–3; June 11. Class 6.

Barbizon Corporation, The. (See Garfinkel & Ritter, assignor.)

Berst-Forster-Dixfield Company, New York, N. Y. Floral sticks. Serial No. 430,719; June 11. Class 50.

Bliley Electric Company, Erie, Pa. Generator apparatus, and parts, supplies, etc. Serial No. 430,893; June 11. Class 21.

Bloch Freres, Inc., New York, N. Y. Handkerchiefs. Serial No. 426,600; June 11. Class 39.

Bragg, Paul C., doing business as Bragg Meal Company, Burbank, Calif. Mixed cereal meal. Serial No. 430,017; June 11. Class 46.

Brewer & Company Inc., Worcester, Mass. Surgical bandages. Serial No. 418,915; June 11. Class 44.

Brillo Manufacturing Company, Inc., New York and Brooklyn, N. Y. Soaps, cleaning, scouring, and polishing wads, etc. Serial Nos. 430,671–5; June 11. Class 4.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 430,648; June 11. Class 27.

Burke, Robert W., III, doing business as DSK Products Company, Philadelphia, Pa. Soap flakes. Serial No. 429,246; June 11. Class 4.

California Packing Corporation, San Francisco, Calif. Canned fruits. Serial No. 430,174; June 11. Class 46.

Celanese Corporation of America, New York, N. Y. Soap. Serial No. 430,723; June 11. Class 4.

Central Laboratories, Incorporated, Stamford, Conn., and St. Petersburg, Fla. Poultry and livestock conditioner. Serial No. 431,054; June 11. Class 6.

Chase & Company, Sanford, Fla. Celery. Serial No. 430,485; June 11. Class 46.

Cities Service Oil Company, Bartlesville, Okla. Disinfectant. Serial No. 431,349; June 11. Class 6.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and negligee and dress shirts. Serial No. 427,334; June 11. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. Serial No. 430,859; June 11. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and outer shirts. Serial No. 430,860; June 11. Class 39.

Comic Magazines, Inc., Stamford, Conn. Comic strip. Serial No. 430,472; June 11. Class 38.

Consolidated Associates, Inc., Chicago, Ill. Whiskey. Serial No. 430,763; June 11. Class 49.

Copeland & Ryder Co., The, Jefferson, Wis. Men's and women's shoes. Serial No. 430,543; June 11. Class 39.

Copeman Laboratories Company, Flint, Mich. Matches. Serial No. 430,176; June 11. Class 9.

Cosby-Hodges Milling Company, Inc., Birmingham, Ala. Plain and self-rising wheat flour. Serial No. 428,907; June 11. Class 46.

Countess Mara, Inc., New York, N. Y. Neckties. Serial No. 430,949; June 11. Class 39.

Cream of Wheat Corporation, The, Minneapolis, Minn. Wheat breakfast food. Serial No. 423,694; June 11. Class 46.

Creative Products Company. (See Mason, John C.)

Crimson Coach Incorporated, Toledo, Ohio. Smoking and chewing tobacco, cigars and cigarettes. Serial No. 430,582; June 11. Class 17.

Cromo Laboratories, Inc., Garfield, N. J. Unctuous cream. Serial No. 430,861; June 11. Class 6.

Crown Products Company, Ralston, Nebr. Rubber and fabric tubing. Serial No. 429,765; June 11. Class 35.

DSK Products Company. (See Burke, Robert W., III.)

Desmond's, Los Angeles, Calif. Trunks, suit cases, wardrobe bags, etc. Serial No. 430,310; June 11. Class 3.

Ditex Food Company. (See Drushell, J. D.)

Dorf Company. (See Mazilauskas, Edward T.)

Douglas Furniture Novelty Co., Cicero, Ill. Tables and chairs. Serial No. 429,688; June 11. Class 32.

Drushell, J. D., doing business as Ditex Food Company, Chicago, Ill. Dietetic food products in cans; noodles, cereals, etc. Serial No. 428,432; June 11. Class 46.

Dupuy, James R., doing business as Memphis Chemical Company, Memphis, Tenn. Inhalent and rubbing salve. Serial No. 428,809; June 11. Class 6.

E. A. Laboratories, Inc., Brooklyn, N. Y. Automobile heaters using hot fluids from the engine. Serial No. 424,997; June 11. Class 19.

East Asiatic Co., Inc., San Francisco, Calif. Peat moss. Serial No. 430,681; June 11. Class 1.

Easy Washing Machine Corporation, Syracuse, N. Y. Ironing machines. Serial No. 429,937; June 11. Class 24.

Economy Valve Company, Detroit, Mich. Faucet washers. Serial No. 430,766; June 11. Class 13.

Esmond Mills, The, Esmond, Smithfield, R. I. Baby blankets. Serial No. 430,902; June 11. Class 42.

Evans, John R., & Company, Camden, N. J. Kid leathers. Serial No. 430,731; June 11. Class 1.

Fairmont Canning Company, Fairmont, Minn. Canned vegetables. Serial No. 430,499; June 11. Class 46.

Farmers Federation Inc., Asheville, N. C. Roofing. Serial No. 404,844; June 11. Class 12.

Feldman, Manuel, New York, N. Y. Rugs. Serial No. 431,044; June 11. Class 42.

Freedman Fruit Co., Inc., Fresno, Calif. Fresh grapes. Serial No. 430,500; June 11. Class 46.

Galter, Jack, Chicago, Ill. Smoking pipes and cigarette holders. Serial No. 429,941; June 11. Class 8.

Garfinkel & Ritter, assignor to The Barbizon Corporation, New York, N. Y. Women's lingerie. Serial No. 417,215; June 11. Class 39.

General Food Products Co. (See Safeway Stores, Inc.)

General Mills, Inc., Minneapolis, Minn. Food products. Serial No. 429,350; June 11. Class 46.

General Mills, Inc., Minneapolis, Minn. Food products. Serial No. 429,354; June 11. Class 46.

Godfrey, Frederick, doing business as Adams Products Company, Adams, N. Y. Hair lotions, brilliantine, shampoos, etc. Serial No. 420,408; June 11. Class 6.

Goodall Manufacturing Company, Warrensburg, Mo. Lawn mowers. Serial No. 428,479; June 11. Class 23.

Gorelick, Ben, New York, N. Y. Men's hose and socks. Serial No. 422,700; June 11. Class 39.

Gowen, Howerton, Roanoke Rapids, N. C. Preparation for cleaning and removing spots. Serial No. 418,040; June 11. Class 4.

Greene, Richard L., Minneapolis, Minn. Maltless beverages. Serial No. 429,979; June 11. Class 45.

Griffin, L. C., Inc., Reno, Nev. Finger rings. Serial No. 430,506; June 11. Class 28.

Gross Photo Supply Co., The, Toledo, Ohio. Redeveloping solution. Serial No. 431,246; June 11. Class 6.

Gulf Coast Machine & Supply Company, Beaumont, Tex. Oil field equipment. Serial No. 430,392; June 11. Class 13.

Haber, Charles L., New York, N. Y. Faucet washers, toilet seats and pipe-fittings. Serial No. 427,580; June 11. Class 13.

Harvey & Howe, Inc., Chicago, Ill. News column appearing in a monthly publication. Serial No. 430,958; June 11. Class 38.

Hercules Powder Company, Wilmington, Del. Synthetic resin. Serial No. 430,398; June 11. Class 6.

Huffman Manufacturing Company, The, Dayton, Ohio. Bicycles and structural parts therefor. Serial No. 431,049; June 11. Class 19.

Hurley, H. O., Co., Inc., Louisville, Ky. Pharmaceutical product. Serial No. 431,204; June 11. Class 6.

Hygrade Liquor Company, Chicago, Ill. Wine. Serial No. 402,526; June 11. Class 47.

International Salt Company, Inc., Scranton, Pa. Salt tablet dispensing machine. Serial No. 430,775; June 11. Class 23.

International Silver Company, Meriden, Conn. Silver-plated flat-ware. Serial No. 430,654; June 11. Class 28.
Irresistible, Inc., Jersey City, N. J. Perfume. Serial No. 429,982; June 11. Class 6.
Issacoulian, H. H., Inc., New York, N. Y. Rugs. Serial No. 431,055; June 11. Class 42.
Jackson-Wheeler Metals Service, Inc., Brooklyn, N. Y. Bearing metal alloys, babbit metals, and white metal alloys. Serial No. 429,096; June 11. Class 14.
Jay-Thorpe, Inc., New York, N. Y. Scents such as perfumes and toilet water. Serial No. 429,657; June 11. Class 6.
Johnson & Johnson, New Brunswick, N. J. Adhesive plaster. Serial No. 431,258; June 11. Class 44.
Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoes. Serial No. 378,488; June 11. Class 39.
Justman & Co., Inc., El Centro, Calif., and New York, N. Y. Fresh vegetables and melons. Serial No. 430,509; June 11. Class 46.
Kabo Corset Company, Chicago, Ill. Corsets, girdles, foundation garments, etc. Serial No. 424,775; June 11. Class 39.
Kalart Company Inc., The, New York, N. Y. Attachment to a photographic camera. Serial No. 427,344; June 11. Class 26.
Kansas Milling Company, The, Wichita, Kans. Wheat flour. Serial No. 430,402; June 11. Class 46.
Kayser, Julius, & Co., New York, N. Y. Ladies' underwear, nightgowns, pajamas, etc. Serial No. 428,579; June 11. Class 39.
Kayser, Julius, & Co., New York, N. Y. Ladies' underwear. Serial No. 429,266; June 11. Class 39.
Keller-Kohn Co., The, Cleveland, Ohio. Cotton, rayon, wool and silk goods. Serial No. 429,736; June 11. Class 42.
King, James A., Portland, Oreg. Fire extinguishers. Serial No. 419,482; June 11. Class 23.
Kohnstamm, H., & Co. Inc., New York, N. Y. Coal tar dyes. Serial No. 427,757; June 11. Class 6.
Kretschmer, Charles H., Grocery Company, Saginaw, Mich. Wheat germ. Serial No. 427,674; June 11. Class 46.
Lady Godiva Laboratories. (See Tamerlane, Van.)
L'Allegria Packing Company. (See Morrione, Vito.)
Lander Co. Inc., New York, N. Y. Toilet water and talcum powder, shampoo, etc. Serial No. 427,309; June 11. Class 6.
Landis Machine Company, Waynesboro, Pa. Tangential chasers. Serial No. 424,480; June 11. Class 23.
Lathrop, Esther H., Doylestown, Pa. Stencil used when applying lip rouge. Serial No. 419,724; June 11. Class 44.
Les Parfums De Dana, Inc., New York, N. Y. Perfumes. Serial No. 431,122; June 11. Class 6.
M. V. C. Laboratories, Inc., Toledo, Ohio. Nail polish. Serial No. 431,268; June 11. Class 6.
Magazine Repeating Razor Company, New York, N. Y. Razor blades. Serial No. 429,775; June 11. Class 23.
Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. Serial No. 430,451; June 11. Class 39.
Marvellum Company, The, Holyoke, Mass. Cover papers. Serial Nos. 430,611–13; June 11. Class 37.
Mason, John C., doing business as Creative Products Company, New York, N. Y. Insecticides. Serial No. 431,069; June 11. Class 6.
Mazilauskas, Edward T., doing business as Dorf Company, New York, N. Y. Hand cream, skin and texture cream, etc. Serial No. 429,311; June 11. Class 6.
McBee Company, The, Athens, Ohio. Key and gang punches, numbering machines, etc. Serial No. 429,127; June 11. Class 23.
Medical Products Institute, Inc., Cincinnati, Ohio. Volatile antiseptic medicinal fluid. Serial No. 428,492; June 11. Class 6.
Medical Products Institute, Inc., Cincinnati, Ohio. Medicinal fluid preparation. Serial No. 428,494; June 11. Class 6.
Memphis Chemical Company. (See Dupuy, James R.)
Millen, Abraham, Dorchester, Mass. Maltless beverages. Serial No. 429,486; June 11. Class 45.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Interaction products of aldehydes and petones, polymethylol acetones, etc. Serial No. 425,158; June 11. Class 6.
Mission Garden Company, Inc., New York, N. Y. Coffee. Serial No. 415,182; June 11. Class 46.
Mitchell Manufacturing Company, Chicago, Ill. Electric fluorescent lighting units. Serial No. 429,711; June 11. Class 21.
Moline Malleable Iron Company, St. Charles, Ill. Chains, chain links and chain flights. Serial No. 431,016; June 11. Class 13.
More-Merit Food Company, Fort Worth, Tex. Coated candy bar and coated bar of ice cream. Serial No. 423,110; June 11. Class 46.
Morgan, John, (a corporation), Brooklyn, N. Y. Maltless beverages. Serial No. 428,761; June 11. Class 45.
Morrione, Vito, doing business as L'Allegria Packing Company, Brooklyn, N. Y. Olive oil. Serial No. 414,422; June 11. Class 46.
Moscahlades Bros., Inc., New York, N. Y. Olive oil. Serial No. 430,090; June 11. Class 46.
Motor Parts & Supply Co., Liberal, Kans. Crank shafts, crank shaft bearings, etc. Serial No. 429,742; June 11. Class 23.
Namco Manufacturing Co., Inc., New York, N. Y. Radio receiving sets and parts thereof. Serial No. 430,694; June 11. Class 21.
National Bronze and Aluminum Foundry Company, The, Cleveland, Ohio. Non-slipping plates. Serial No. 426,703; June 11. Class 12.
National Co-operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Building hardware. Serial No. 422,595; June 11. Class 13.
Naylee Chemical Company, Philadelphia, Pa. Concentrated soapless cleaner. Serial No. 431,018; June 11. Class 4.
Nega-File Company, The. (See Rusch, R. G.)
Nestle's Milk Products, Inc., New York, N. Y. Milk food product. Serial No. 427,166; June 11. Class 46.
Newgate Ginger Ale Company. (See Squires, Harry.)
Newport, Mr., Inc., Chicago, Ill. Maltless beverages. Serial No. 430,330; June 11. Class 45.
Novelty Press Inc., New York, N. Y. Periodical publication. Serial No. 430,358; June 11. Class 38.
O'Neil Duro Company, Milwaukee, Wis. Mixed paints, ready mixed paints, cold-water paints, etc. Serial No. 430,663; June 11. Class 16.
Outdoor Supply Company, Inc., New York, N. Y. Aluminum cooking kits and mess kits. Serial No. 428,622; June 11. Class 13.
Palmer Corporation, The, Sarasota, Fla. Fresh citrus fruits. Serial No. 430,516; June 11. Class 46.
Parfums Chevalier Garde, Inc., New York, N. Y. Cosmetic lotion. Serial No. 430,092; June 11. Class 6.
Pease, McCormick & Dance, Inc., doing business as West Coast Trading Co., San Francisco, Calif. Canned fruits and vegetables. Serial No. 430,519; June 11. Class 46.
Peck, Margaret C., Libertyville, Ill. Dolls. Serial No. 431,426; June 11. Class 22.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Men's, women's, and children's slippers and shoes. Serial No. 430,923; June 11. Class 39.
Phosphate Mining Company, The, New York, N. Y. Fertilizer and fertilizer materials. Serial No. 429,622; June 11. Class 10.
Pioneer Suspender Company, Philadelphia, Pa. Trouser-supporting belts, garters and suspenders. Serial No. 430,623; June 11. Class 39.
Polk County Citrus Sub-Exchange, Bartow, Fla. Fresh citrus fruits. Serial No. 430,370; June 11. Class 46.
Pro-long, Inc., Providence, R. I. Preparation designed to prevent runs in silk stockings. Serial No. 427,819; June 11. Class 6.
Purex Products, Incorporated, Baltimore, Md. Medicinal mineral oil, cod liver oil, rubbing alcohol, etc. Serial No. 429,415; June 11. Class 6.
Rapid Roller, Chicago, Ill. Printers' rollers, composition coated rollers, offset rollers, etc. Serial No. 428,931; June 11. Class 23.
Recker Bros. Co., Phoenix, Ariz. Fresh vegetables and melons. Serial No. 430,842; June 11. Class 46.
Reinhold Company, Cleveland, Ohio. Covers for containers, utensils, etc. Serial No. 426,897; June 11. Class 50.
Rexley Frocks Inc., New York, N. Y. Children's, misses', juniors', and women's dresses, suits, skirts, etc. Serial No. 426,226; June 11. Class 39.
Rouw, H., Company, The, Edinburg, Tex. Fresh citrus fruits. Serial No. 430,928–9; June 11. Class 46.
Rusch, R. G., doing business as The Nega-File Company, Easton, Pa. Envelopes. Serial No. 429,870; June 11. Class 2.
Safeway Stores, Inc., doing business as General Food Products Co., Oakland, Calif. Canned vegetables. Serial No. 423,508; June 11. Class 46.
Schobie Hats, Inc., Philadelphia, Pa. Men's hats. Serial No. 429,540; June 11. Class 39.
Sea Board Supply Company, Inc., Philadelphia, Pa. Feed for poultry, dogs, and cattle. Serial No. 429,419; June 11. Class 46.
Sexton Co., The, Kansas City, Mo. Vitamin oil pre-mix. Serial No. 428,770; June 11. Class 6.
Sharp, K. K., doing business as K. K. Sharp Company, Holtville, Calif. Fresh carrots. Serial No. 430,524; June 11. Class 46.
Silbrite Chemical Company. (See Sowa, Frank J.)
Simmons, Isaac, Liberty, Miss. Preparation for the treatment of piles, burns, boils, etc. Serial No. 431,380; June 11. Class 6.
Smith, Landon P., Inc., Irvington, N. J. Holders for sandpaper and steelwool, razor blades, pliers, etc. Serial No. 428,367; June 11. Class 23.
Smith, Landon P., Inc., Irvington, N. J. Paint brush cleaners, painters' kits, etc. Serial No. 428,368; June 11. Class 23.
Southworth Machine Company, Portland, Maine. Attachment for a printing press or the like. Serial No. 399,780; June 11. Class 23.
Sowa, Frank J., doing business as Silbrite Chemical Company, New York, N. Y. Chemical compositions. Serial No. 430,041–42; June 11. Class 6.
Special Foods, Inc., Worthington, Ohio. Vegetable substitute for meat. Serial No. 430,525; June 11. Class 46.

Squires, Harry, doing business as Newgate Ginger Ale Company, Thompsonville, Conn. Maltless beverages, and syrups, extracts, and flavors. Serial No. 430,977; June 11. Class 45.
Stein, A., & Company, Chicago, Ill. Food guards, crib sheets, table covers, etc. Serial No. 429,197; June 11. Class 50.
Steinen, William, Mfg. Co., Newark, N. J. Toilet sets and dresser sets. Serial No. 429,009; June 11. Class 40.
Strom, Collum & Hoppe, San Francisco, Calif. Men's and boys' knitted and textile products. Serial No. 429,919; June 11. Class 39.
Sulphur Products Inc., Wooster, Ohio. Hydrophilic, colloidal, sulphur preparation. Serial No. 429,012; June 11. Class 6.
Supercurline Corp., New York, N. Y. Hair waving cream. Serial No. 428,935; June 11. Class 6.
Tamerlane, Van, doing business as Lady Godiva Laboratories, Los Angeles, Calif. Facial creams, rouge, and face powder. Serial No. 430,468; June 11. Class 6.
Tannolite Co. Inc., The, New Rochelle, N. Y. Mouth wash and gargle. Serial No. 427,178; June 11. Class 6.
Target Curler Corporation, Detroit, Mich. Non-electrical hair curlers and bob-pins. Serial No. 430,989; June 11. Class 40.
Time, Incorporated, New York, N. Y. Motion picture films, sound films, etc. Serial No. 426,960; June 11. Class 26.
Time, Incorporated, New York, N. Y. Motion picture films, sound films, etc. Serial No. 427,180; June 11. Class 26.
Timely Clothes, Incorporated, Rochester, N. Y. Men's clothing. Serial No. 429,108; June 11. Class 39.
Transparent Cover Co., Chicago, Ill. Shampoo capes, household aprons, shower caps. Serial No. 429,878; June 11. Class 39.
Truth Digest, Incorporated, New York, N. Y. Publication issued periodically. Serial No. 430,528; June 11. Class 38.
United Buyers Corporation, Chicago, Ill. Brooms, mops, scrubbing brushes, etc. Serial No. 430,811; June 11. Class 29.
United Paper Company, Tampa, Fla. Toilet paper, paper towels, paper facial tissue, etc. Serial No. 430,885; June 11. Class 37.
U. S. Industrial Chemicals, Inc., New York, N. Y. Alcohol-type solvent. Serial No. 430,366; June 11. Class 6.
United States Products Corporation, Ltd., San Jose, Calif. Canned fruits. Serial No. 428,895; June 11. Class 46.
Vogt, F. G, & Sons, Incorporated, Philadelphia, Pa. Canned sausage. Serial No. 430,815; June 11. Class 46.
Waldman and Company, New York, N. Y. Misses', juniors', and children's coats and suits. Serial No. 430,003; June 11. Class 39.
Warshawsky & Co., Chicago, Ill. Rebuilt internal combustion motors. Serial No. 430,051; June 11. Class 23.
Waterbury Button Company, The, Waterbury, Conn. Harmonicas. Serial No. 430,817; June 11. Class 36.
Wells Manufacturing Corporation, Fond du Lac, Wis. Gasoline engines. Serial No. 429,463; June 11. Class 23.
West Coast Trading Co. (See Pease, McCormick & Dance, Inc.)
West Disinfecting Company, Long Island City, N. Y. Disinfectant. Serial No. 431,281; June 11. Class 6.
Wildroot Co., Inc., Buffalo, N. Y. Brilliantine. Serial No. 429,150; June 11. Class 6.
Wright & Lawrence, Inc., Chicago, Ill. After shaving lotion and talcum powder. Serial No. 430,531; June 11. Class 6.
Zenith Radio Corporation, Chicago, Ill. Hearing aids and parts thereof. Serial No. 431,099; June 11. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Markets. (See American Stores Company.)
Air Youth of America, Inc., New York, N. Y. Model airplanes. 378,634; June 11; Serial No. 428,275; published Apr 12, 1940. Class 22.
All American Comics, Inc., New York, N. Y. Magazine. 378,571; June 11; Serial No. 427,610; published Apr. 2, 1940. Class 38.
Allied Materials Corporation, Oklahoma City, Okla. Emulsified asphalt and asphalt compositions. 378,462; June 11; Serial No. 425,542; published Apr. 2, 1940. Class 12.
Alrose Chemical Co., Cranston, R. I. Compositions for the chemical treatment of textile fibres and the textile materials made therefrom. 378,512–4; June 11; Serial Nos. 427,001–3; published Mar. 5, 1940. Class 6.
American Aggregate Company, Kansas City, Mo. Aggregate for use in preparing concrete. 135,380; renewed Oct. 12, 1940.
American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Hoists and parts thereof. 378,700; June 11. Class 23.
American Cyanamid & Chemical Corporation, New York, N. Y. Wetting agents. 378,642; June 11; Serial No. 428,375; published Mar. 26, 1940. Class 6.
American Cystoscope Makers, Inc., New York, N. Y. Sterilizing tablets. 378,494; June 11; Serial No. 426,753; published Mar. 5, 1940. Class 6.
American Lady Corset Company, Detroit, Mich. Corsets. 131,019; renewed May 4, 1940.
American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y., to American Manufacturing Company, Brooklyn, N. Y. Rope, cord and twine. 130,608; renewed May 4, 1940.
American Safety Razor Corporation. (See Kampfe Bros., assignor.)
American Safety Razor Corporation. (See Gem Safety Razor Corporation, assignor.)
American Steel Wool Mfg. Co. Inc., Long Island City, N. Y. Steel wool pads. 378,701; June 11. Class 4.
American Stores Company, also doing business as Acme Markets, Philadelphia, Pa. Canned and dried fruits and vegetables. 378,696; June 11. Class 46.
American Time Products, Inc., New York, N. Y. Watch rate recorders. 378,441; June 11; Serial No. 424,220; published Apr. 2, 1940. Class 26.
Arkwright, Incorporated, New York, N. Y. Bicycles, tricycles, ice velocipedes, etc. 378,589; June 11; Serial No. 427,869; published Apr. 2, 1940. Class 19.
Auburn Fabrics, Inc., New York, N. Y. Fabrics. 378,639; June 11; Serial No. 428,347; published Apr. 2, 1940. Class 42.
Automatic Paper Machinery Company, Inc., Hoboken, N. J. Toilet tissue. 378,473; June 11; Serial No. 426,282; published Apr. 2, 1940. Class 37.
Baldwin, Marion E., doing business as Hillshire Farms, Killingly, Conn. Goat's milk. 378,481; June 11; Serial No. 426,514; published Apr. 2, 1940. Class 46.
Ball, W. R., doing business as Ball Drug Company, Jackson, La. Ointment. 378,478; June 11; Serial No. 426,355; published Apr. 2, 1940. Class 6.
Band Box Corporation, The, St. Louis, Mo. Supplies and accessories for dry cleaning. 378,422; June 11; Serial No. 420,618; published Mar. 5, 1940. Class 6.
Band Box Corporation, The, St. Louis, Mo. Supplies and accessories for dry cleaning. 378,423; June 11; Serial No. 420,620; published Mar. 26, 1940. Class 6.
Barber, S. Morgan, Jr., doing business as Morgan Barber & Company, Greens Farms, Conn. Index card holder. 378,531; June 11; Serial No. 427,227; published Apr. 2, 1940. Class 37.
Barkin, Levin, & Co. Inc., New York, N. Y. Silks, woolens, cotton piece goods, etc. 378,601; June 11; Serial No. 427,955; published Apr. 2, 1940. Class 42.
Barnes, Arthur A., doing business as Vanasal Company, Elmira, N. Y. Skin ointment. 378,466; June 11; Serial No. 425,683; published Mar. 26, 1940. Class 6.
Bayes, Ross, & Co., Inc., New York, N. Y. Precious metals and precious metal alloys. 378,671; June 11; Serial No. 428,829; published Apr. 2, 1940. Class 44.
Beacon Manufacturing Company, Swannanoa, N. C. Blankets. 378,667; June 11; Serial No. 428,745; published Apr. 2, 1940. Class 42.
Beatrice Creamery Company, Chicago, Ill. Powder for making hot chocolate. 378,602; June 11; Serial No. 427,956; published Apr. 2, 1940. Class 46.
Beaumont Dry Goods & Notion Co., Beaumont, Tex. Clothing. 135,913; renewed Oct. 26, 1940.
Becton, Dickinson & Co., Rutherford, N. J. Veterinary needles and syringes. 135,392; renewed Oct. 12, 1940.
Beddoes, Joseph George, to J. G. Beddoes Ltd., Birmingham, England, successor. Locks. 128,930; renewed Jan. 20, 1940.
Bedford Products, Dunkirk, N. Y. Marmalade, jellies, jams, etc. 378,677; June 11. Class 46.
Beer, William J., Co., Inc., New York, N. Y. Sport articles, games and accessories. 378,679; June 11. Class 22.
Bellinger, George, Atlanta, Ga. Laxative preparation. 378,421; June 11; Serial No. 420,442; published Mar. 5, 1940. Class 6.
Belove Watch Case Co., Inc., New York, N. Y. Watch cases and watch dials. 378,674; June 11. Class 27.
Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweepers. 378,432; June 11; Serial No. 422,463; published Apr. 2, 1940. Class 23.
Bliss Display Corporation, New York, N. Y. Decorative paper. 378,697; June 11. Class 37.
Bonita Packing Co., Guadalupe, Calif. Fresh vegetables. 378,518; June 11; Serial No. 427,065; published Apr. 2, 1940. Class 46.
Borden Company, The. (See Casein Company of America, Inc., assignor.)
Bradford, Theodore, Washington, D. C. Eye lotion, medicine and tonic. 378,482; June 11; Serial No. 426,521; published Mar. 5, 1940. Class 6.

Bradshaw, John, Company, Boston, Mass. Perfumes, toilet water, talcum powder, etc. 378,484; June 11; Serial No. 426,555; published Mar. 19, 1940. Class 6.
Briar Hill Corporation, Millersburg, Ohio. Smoking pipes, stoker units, pipe filters, etc. 378,533; June 11; Serial No. 427,270; published Apr. 2, 1940. Class 8.
Brooklyn Scientific Products Co., Inc., New York, N. Y. Medicinal preparation. 378,539; June 11; Serial No. 427,332; published Mar. 19, 1940. Class 6.
Brooks Brothers, New York, N. Y. Pipe tobacco. 378,603; June 11; Serial No. 427,958; published Apr. 2, 1940. Class 17.
Burbot Liver Products Co., Baudette, Minn. Vitamin and mineral wafers. 378,630; June 11; Serial No. 428,302; published Mar. 19, 1940. Class 6.
Byron, Jackson Co., Huntington Park, Calif. Electric motors and parts therefor. 378,463; June 11; Serial No. 425,608; published Apr. 2, 1940. Class 21.
C. E. L. Co., Inc., New York, N. Y. Chemical composition to be added to gasolene, fuel oil, etc. 378,579; June 11; Serial No. 427,750; published Apr. 2, 1940. Class 6.
Cadie Chemical Products, Inc., New York, N. Y. Material for killing moths, moth eggs, and moth larvae. 378,535; June 11; Serial No. 427,292; published Mar. 19, 1940. Class 6.
Carkey and Shults, Little Falls, N. Y. Game. 378,495; June 11; Serial No. 426,759; published Apr. 2, 1940. Class 22.
Casein Company of America, Inc., assignor to The Borden Company, New York, N. Y. Dry skimmed milk. 378,387; June 11; Serial No. 383,257; published Apr. 2, 1940. Class 46.
Casey, P. and S., doing business as Vitamineral Products Company, Peoria, Ill. Compound containing various minerals to be mixed with feed rations of animals. 378,449; June 11; Serial No. 424,753; published Mar. 26, 1940. Class 6.
Casey, Paul S., doing business as Vitamineral Products Company, Peoria, Ill. Compound containing various minerals. 378,450; June 11; Serial No. 424,756; published Jan. 9, 1940. Class 6.
Cavalier Laboratories. (See Frieden Bros. Co., Inc.)
Cedacote Products Inc., New York, assignor to Fletcher Hall, Woodside, N. Y. Preparations which repel moths and other insects. 378,414; June 11; Serial No. 418,674; published June 13, 1939. Class 6.
Celanese Corporation of America, New York, N. Y. Piece goods. 378,648–52; June 11; Serial Nos. 428,423–7; published Apr. 2, 1940. Class 42.
Centrale Vereeniging tot Beheer van Proefstations voor de Overjarige Cultures in Nederlandsch-Indie, Batavia, Isle of Java, Netherlands East Indies. Rubber powder. 378,608; June 11; Serial No. 428,019; published Apr. 2, 1940. Class 1.
Chase & Sanborn, Boston, Mass., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Tea. 134,226; renewed Aug. 24, 1940.
Chase & Sanborn, Boston, Mass., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Tea. 134,347; renewed Aug. 31, 1940.
Chess, Mary, Inc., New York, N. Y. Bath oil, toilet water, friction lotion, etc. 378,496; June 11; Serial No. 426,762; published Mar. 12, 1940. Class 6.
Chicago Flexible Shaft Company, Chicago, Ill. Electrical food and beverage mixers. 378,428; June 11; Serial No. 421,725; published Apr. 2, 1940. Class 21.
Chicago Welding Sales Company, Chicago, Ill. Fluxing compound. 378,461; June 11; Serial No. 423,363; published Apr. 2, 1940. Class 6.
Chicago Pottery Company, Chicago, Ill. Closet bowls. 378,643; June 11; Serial No. 428,380; published Apr. 2, 1940. Class 13.
Chrysler Corporation, Highland Park, Mich., and Dayton, Ohio. Water and brine cooking units. 378,662; June 11; Serial No. 428,608; published Apr. 2, 1940. Class 31.
Churngold Corporation, The, Cincinnati, Ohio. Oleomargarine. 378,491; June 11; Serial No. 426,688; published Apr. 2, 1940. Class 46.
Cloutier, Albert E., doing business as Dresso Products, Fall River, Mass. Bleach and water softener. 378,604; June 11; Serial No. 427,964; published Mar. 12, 1940. Class 6.
Coating Materials Laboratories, Inc., Belleville, N. J. Paints, lacquers, paint enamels, etc. 378,445; June 11; Serial No. 424,422; published Mar. 26, 1940. Class 16.
Cohen, Goldman & Co., Inc., New York, N. Y. Clothing. 135,639; renewed Oct. 19, 1940.
Cohler Company Inc., Red Lion, Pa. Pajamas, underwear, robes, etc. 378,540; June 11; Serial No. 427,335; published Mar. 12, 1940. Class 39.
Cohn & Rosenberger Inc., New York, N. Y. Necklaces and bracelets, finger rings, earrings, etc. 378,425; June 11; Serial No. 420,895; published Mar. 26, 1940. Class 28.
Collins Company, The, Collinsville, Conn. Plows, bush hooks, axes, etc. 378,529; June 11; Serial No. 427,194; published Apr. 2, 1940. Class 23.
Combustion Engineering Company, Inc. (See Locomotive Pulverized Fuel Company.)
Comex Wine & Spirits, Inc., New York, N. Y. Wines. 378,623; June 11; Serial No. 428,107; published Apr. 2, 1940. Class 47.
Comfort Manufacturing Company, Chicago, Ill. Hand cream. 378,404; June 11; Serial No. 416,402; published Apr. 4, 1939. Class 6.
Conklin, Horace E., Binghamton, N. Y., assignor to Craver-Dickinson Seed Company, Buffalo, N. Y. Seed-corn, grass-seeds, and field seeds. 130,684; renewed May 4, 1940.
Corn Products Refining Company, New York, N. Y. Beater starch. 378,599; June 11; Serial No. 427,926; published Mar. 26, 1940. Class 6.
Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 378,655–8; June 11; Serial Nos. 428,465–8; published Mar. 26, 1940. Class 6.
Cremer, Amelia E., doing business as Amelia Top Company, Hanover, Pa. Bottle closures. 378,476; June 11; Serial No. 426,328; published Apr. 2, 1940. Class 50.
Crimson Coach Incorporated, Toledo, Ohio. Smoking and chewing tobacco, cigars, and cigarettes. 378,590; June 11; Serial No. 427,881; published Apr. 2, 1940. Class 17.
Crocker, Burbank Papers, Inc., Fitchburg, Mass. Paper. 378,532; June 11; Serial No. 427,235; published Apr. 2, 1940. Class 37.
Crown Screw & Manufacturing Co. (See Hunt, George L.)
Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Perfumes, toilet waters, face and toilet powders, etc. 378,572; June 11; Serial No. 427,616; published Apr. 2, 1940. Class 6.
Dandro-Nox Co., Inc., The, Baltimore, Md. Face bleach, skin whitening cream, eyebrow pencil, etc. 378,577; June 11; Serial No. 427,703; published Mar. 5, 1940. Class 6.
D'Arrigo Bros. Company, San Jose, Calif. Fresh vegetables. 378,686; June 11. Class 46.
Davies, Harry, Molding Co., Chicago, Ill. Ash trays. 378,591; June 11; Serial No. 427,884; published Apr. 2, 1940. Class 8.
Davies-Young Soap Company, The, Dayton, Ohio. Prepared liquid wax. 378,624; June 11; Serial No. 428,109; published Mar. 26, 1940. Class 16.
Delettrez, Inc., Long Island City, N. Y. Astringents, astringent cerates, beauty creams, etc. 378,497; June 11; Serial No. 426,763; published Mar. 5, 1940. Class 6.
Dell Publishing Company, Inc., New York, N. Y. Magazines. 378,509; June 11; Serial No. 427,577; published Mar. 19, 1940. Class 38.
Dextone Company, The, New Haven, Conn. Artificial stone slabs. 378,485; June 11; Serial No. 426,563; published Mar. 26, 1940. Class 12.
Doho Chemical Corporation, The, New York, N. Y. Osmotherapeutic treatment of ear diseases, ear drops. 378,396; June 11; Serial No. 412,409; published Jan. 3, 1939. Class 6.
Dolge, C. B., Company, The, Westport, Conn. Insecticides. 378,542; June 11; Serial No. 427,368; published Mar. 19, 1940. Class 6.
Douglas Fir Plywood Association, Tacoma, Wash.; Washington, D. C.; New York, N. Y.; and El Monte, Calif. Douglas fir plywood. 378,682; June 11. Class 12.
Draper Manufacturing Company, Port Huron, Mich. Hollow balanced balls of brass or other metal. 130,487; renewed April 27, 1940.
Dresso Products. (See Cloutier, Albert E.)
Dubert Laboratories. (See Paniello, Santiago, M. D.)
Duke Laboratories, Inc., Stamford, Conn. Emollient or ointment. 378,507; June 11; Serial No. 426,925; published Mar. 5, 1940. Class 6.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Smalt, ceramic colors, and paint pigments. 378,573; June 11; Serial No. 427,624; published Apr. 2, 1940. Class 16.
Duraloy Company, The, Scottdale, Pa. Ferrous rough castings. 378,430; June 11; Serial No. 421,875; published Apr. 2, 1940. Class 14.
Dyment Company, The, Cleveland, Ohio. Liquid coating. 378,474; June 11; Serial No. 426,288; published Mar. 19, 1940. Class 6.
Earle Wholesale Grocery Co., Earle, Ark. Petroleum jelly. 378,498; June 11; Serial No. 426,766; published Mar. 5, 1940. Class 6.
Eastman Kodak Company, Rochester, N. Y. Inorganic chemicals. 378,515; June 11; Serial No. 427,011; published Mar. 5, 1940. Class 6.
Eastman Kodak Company, Rochester, N. Y. Inorganic chemicals. 378,516; June 11; Serial No. 427,014; published Mar. 5, 1940. Class 6.
Eclipse Sleep Products, Inc., Brooklyn, N. Y. Mattresses. 378,578; June 11; Serial No. 427,705; published Apr. 2, 1940. Class 32.
Electrol Incorporated, Clifton, N. J. Domestic oil burners and air conditioning units. 378,675; June 11. Class 34.
Ellett, Thomas W., Richmond, Va. Writing paper, bank books, envelopes, etc. 378,483; June 11; Serial No. 426,528; published Apr. 2, 1940. Class 37.
Elmo, Inc., Philadelphia, Pa. Pack solution, texture cream, melting cream, etc. 378,524; June 11; Serial No. 427,101; published Mar. 26, 1940. Class 6.
Embalmers' Supply Company, The, Westport, Conn. Embalming supplies. 378,418; June 11; Serial No. 419,747; published Mar. 5, 1940. Class 6.

Euclid Candy Company of California, Inc., San Francisco, Calif. Candy. 378,631; June 11; Serial No. 428,227; published Apr. 2, 1940. Class 46.
Euclid Pharmacal Company. (See Goodwin, John D.)
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 378,546–51; June 11; Serial Nos. 427,402–7; published Mar. 26, 1940. Class 38.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 378,552; June 11; Serial No. 427,409; published Mar. 26, 1940. Class 38.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 378,553–6; June 11; Serial Nos. 427,411–4; published Mar. 26, 1940. Class 38.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 378,557; June 11; Serial No. 427,415; published Apr. 2, 1940. Class 38.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 378,558; June 11; Serial No. 427,417; published Mar. 26, 1940. Class 38.
Ferguson, H. K., Company, The, Cleveland, Ohio. Plans and specifications. 135,991; renewed Oct. 26, 1940.
Finch, Joseph S., and Company, Schenley, Pa. Whiskey, gin, rum, etc. 378,605; June 11; Serial No. 427,975; published Apr. 2, 1940. Class 49.
Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient vehicle tires. 378,439; June 11; Serial No. 423,558; published Apr. 2, 1940. Class 35.
Fleer, Frank H., Corporation, Philadelphia, Pa. Confections. 378,580; June 11; Serial No. 427,753; published Apr. 2, 1940. Class 46.
Foodcraft Products. (See United Buyers Corporation.)
Foote Bros. Gear and Machine Corporation, Chicago, Ill. Steel parts. 378,416; June 11; Serial No. 419,507; published Apr. 2, 1940. Class 14.
Foote Bros. Gear and Machine Corporation, Chicago, Ill. Steel parts. 378,417; June 11; Serial No. 419,509; published Apr. 2, 1940. Class 14.
Fougera, E., & Co., Inc., New York, N. Y. Soap. 136,000; renewed Oct. 26, 1940.
Frank, Daniel, Co., Boston, Mass. Smoking tobacco. 378,487; June 11; Serial No. 426,613; published Apr. 2, 1940. Class 17.
Frieden Bros. & Co., Inc., doing business as Cavalier Laboratories, Norfolk, Va. Home use ammonia, bluing, petroleum jelly, etc. 378,415; June 11; Serial No. 418,774; published June 13, 1939. Class 6.
Fruit Sales Agency. (See United States Warehouse Co.)
Funk, Donald S., doing business as National Standard Air-Products Co., Chicago, Ill. Forced draft ventilators and air conditioning units. 378,442; June 11; Serial No. 424,266; published Apr. 2, 1940. Class 34.
Geigy Company, Inc., New York, N. Y. Chemicals adapted for the moth-proofing of fibers and fabrics. 378,586; June 11; Serial No. 427,840; published Mar. 5, 1940. Class 6.
Gem Safety Razor Corporation, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Shaving-brushes. 134,365; renewed Aug. 31, 1940.
General Aniline & Film Corporation, Binghamton, N. Y. Chemicals and preparations and compounds thereof used in photographic processes. 378,593; June 11; Serial No. 427,889; published Mar. 5, 1940. Class 6.
General Mills, Inc., Minneapolis, Minn. Oat cereal breakfast food. 378,469; June 11; Serial No. 425,885; published Apr. 2, 1940. Class 46.
Givaudan, L., & Cie. Société Anonyme, Vernier, Switzerland. Perfumery and beauty preparations. 378,433; June 11; Serial No. 422,930; published Mar. 26, 1940. Class 6.
Glidden Company, The, Cleveland, Ohio. Adhesive agent and emulsification agent. 378,398; June 11; Serial No. 414,107; published Apr. 2, 1940. Class 6.
Globe Chemical Company, Inc., The, Cincinnati, Ohio. Acetone, acid acetic, acid boric, etc. 378,409–10; June 11; Serial Nos. 417,534–5; published Mar. 5, 1940. Class 6.
Goldstein & Lall, New York, N. Y. Perfumes. 378,420; June 11; Serial No. 421,770; published Apr. 2, 1940. Class 6.
Goodman Chemical Co., The, New York, N. Y. Bleaching peroxide. 378,527; June 11; Serial No. 427,137; published Mar. 19, 1940. Class 6.
Goodwin, John D., doing business as Euclid Pharmacal Company, Cincinnati, Ohio. Pile and fistula ointment. 378,536; June 11; Serial No. 427,300; published Mar. 19, 1940. Class 6.
Goulding, Charles E., Jr., doing business as Selrahc Co., Tampa, Fla. Preparation for barber's itch, athlete's foot, ring-worms, etc. 378,632; June 11; Serial No. 428,232; published Mar. 19, 1940. Class 6.
Gray, Dorothy, Salons, Bloomfield, N. J. Lipsticks, dry rouge, and cream rouge. 378,592; June 11; Serial No. 427,886; published Mar. 12, 1940. Class 6.
Gray, Dorothy, Salons, Bloomfield, N. J. Perfume. 378,403; June 11; Serial No. 415,586; published Apr. 2, 1940. Class 6.
Gum Laboratories, Inc., Clifton Heights, Pa. Gum. 378,501; June 11; Serial No. 426,807; published Mar. 26, 1940. Class 6.
Gum Laboratories, Inc., Clifton Heights, Pa. Gum containing a non-poisonous peroxide compound. 378,502; June 11; Serial No. 426,808; published Mar. 5, 1940. Class 6.
Haas-Miller Corporation, Philadelphia, Pa. Compound used for fulling and scouring woolen and worsted goods, and general textile scouring. 378,574; June 11; Serial No. 427,626; published Mar. 5, 1940. Class 6.
Haller Baking Company, Pittsburgh, Pa. Bread. 130,743; renewed May 4, 1940.
Haller Baking Company, Pittsburgh, Pa. Bread, cakes, and pastry. 131,132; renewed May 4, 1940.
Hall, Fletcher. (See Cedacote Products Inc., assignor.)
Harris-Seybold-Potter Company, Cleveland, Ohio. Chemical preparations. 378,587; June 11; Serial No. 427,843; published Mar. 19, 1940. Class 6.
Hartman, Joel, doing business as Woodland Paper Products, New York, N. Y. Absorbent tissue paper. 378,676; June 11. Class 37.
Harvey, Thomas B., Leather Co., Philadelphia, Pa. Partly prepared and finished leathers. 378,443; June 11; Serial No. 424,322; published Apr. 2, 1940. Class 1.
Hawaii Nishikai. (See Nakamura, Gensaku.)
Hearst Publications, Incorporated, San Francisco, Calif. Column devoted to stamp collectors and stamp collections. 378,453; June 11; Serial No. 424,900; published Mar. 26, 1940. Class 38.
Hecker, George V., The Estate of, assignor, by mesne assignments, to Hecker Products Corporation, New York, N. Y. Buckwheat-flour. 18,000; re-renewed June 3, 1940.
Heil, Carl E., doing business as Heil and Company, Cleveland, Ohio. Anodes used in electrolytic work. 378,699; June 11. Class 21.
Hickok Manufacturing Company, Inc., Rochester, N. Y. Initials and initial articles. 378,543; June 11; Serial No. 427,375; published Mar. 26, 1940. Class 28.
Hillerich & Bradsby Company, Louisville, Ky. Base ball bats. 378,504; June 11; Serial No. 427,894; published Apr. 2, 1940. Class 22.
Hillshire Farms. (See Baldwin, Marion E.)
Hockmeyer Bros. Inc., Portland, Maine, and New York, N. Y. Cotton piece goods. 378,653; June 11; Serial No. 428,435; published Apr. 2, 1940. Class 42.
Hoffman, J. L., Company, Allentown, Pa. Fowl medicine. 378,635; June 11; Serial No. 428,286; published Mar. 19, 1940. Class 6.
Hollander, A., & Son, Inc., Newark, N. J. Fur-skins. 135,700; renewed Oct. 19, 1940.
Horn, A. C., Company, Long Island City, N. Y. Liquid to lay coal dust in the coal industry for plants and mines. 378,668; June 11; Serial No. 428,756; published Apr. 2, 1940. Class 6.
Hough, J. E., & Sons. (See Ragsdale, J. E.)
House of Marcell, Inc., New York, N. Y. Bath powder, talcum powder, bath crystals, etc. 378,499; June 11; Serial No. 426,773; published Mar. 26, 1940. Class 6.
Howson, Horace, doing business as Mutual Distributors, Wichita, Kans. Tonic and eliminant. 378,537; June 11; Serial No. 427,306; published Mar. 19, 1940. Class 6.
Hunt, George L., doing business as Crown Screw & Manufacturing Co., Chicago, Ill. Reels. 378,633; June 11; Serial No. 428,234; published Apr. 2, 1940. Class 13.
Indian Hill Citrus Association, North Pomona, Calif. Fresh citrus fruit. 378,595; June 11; Serial No. 427,895; published Apr. 2, 1940. Class 46.
International Braid Company, Providence, R. I. Shoe laces. 378,451; June 11; Serial No. 424,773; published Apr. 2, 1940. Class 40.
Interstate Drug Corp., Chicago, Ill. Insect spray. 378,454; June 11; Serial No. 425,055; published Mar. 26, 1940. Class 6.
Ironized Yeast Co. Inc., The, Atlanta, Ga. Medicinal preparation. 378,503; June 11; Serial No. 426,835; published Mar. 5, 1940. Class 6.
J. L. R. Chemical Co. (See Rubel, Jeff L.)
Johnson, C. A., doing business as The Johnson School of Arithmatics, Cheyenne, Wyo. Text books. 378,564; June 11; Serial No. 427,540; published Apr. 2, 1940. Class 38.
Kallman, Donald R., Park Ridge, Ill. Lipstick, rouge, face powder, etc. 378,561; June 11; Serial No. 427,466; published Apr. 2, 1940. Class 6.
Kampfe Bros., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Shaving-brushes. 132,978; renewed July 6, 1940.
Karg, Frank G., Chicago, Ill. Prophylactic sheaths. 378,640; June 11; Serial No. 428,357; published Apr. 2, 1940. Class 44.
Kasson Pharmaceutical Laboratories. (See Maraventano, Mary K.)
Kelly, Henry, & Sons, Inc., New York, N. Y. Whiskey. 378,683; June 11. Class 49.
Kimble Glass Company, Vineland, N. J. Glass funnels. 378,644; June 11; Serial No. 428,391; published Apr. 2, 1940. Class 26.
King, E. & F., & Co., Incorporated, Boston, Mass. Chemical wood preservative compounds. 378,426; June 11; Serial No. 421,088; published Mar. 26, 1940. Class 6.
Klean-It Company. (See Potts, Orion A.)
Knight, J. B., Sr., doing business as "Old 97 Manufacturing Company" and "La Charma Company", Tampa, Fla. Diuretic and vegetable compounds, nose and throat drops, cough mixture, etc. 378,486; June 11; Serial No. 426,589; published Mar. 26, 1940. Class 6.

Kopecky, Clara, Berwyn, Ill. Fruit and vegetable preserves. 378,424; June 11; Serial No. 420,823; published Apr. 2, 1940. Class 46.

"La Charma Company". (See Knight, J. B., Sr.)

Lander Co. Inc., New York, N. Y. Face powder, skin cream, cologne, etc. 378,468; June 11; Serial No. 425,791; published Feb. 20, 1940. Class 6.

Latin-American Information, Inc., New York, N. Y. Periodical publication. 378,467; June 11; Serial No. 425,741; published Apr. 2, 1940. Class 38.

Laury, Joseph A., Syracuse, N. Y. Preparation for use for falling hair, dandruff, and scalp irritations. 378,698; June 11. Class 6.

Lawrence, James, Co., Inc., New York, N. Y. Preparation for use in the treatment of kidney disorders. 378,625; June 11; Serial No. 428,118; published Mar. 12, 1940. Class 6.

Lawry, Rolla C., St. Louis, Mo., assignor, by mesne assignments, to Mystic Laboratories, Inc., Jersey City, N. J. Preparation used as a deodorant. 132,505; renewed June 22, 1940.

Layne & Bowler Company, The, Houston, Tex. Oil field and water well equipment. 378,678; June 11. Class 23.

Lehn & Fink Products Corporation, Bloomfield, N. J. Perfume, eau de cologne, dusting powder, etc. 378,563; June 11; Serial No. 427,506; published Mar. 19, 1940. Class 6.

Lenthéric, Incorporated, New York, N. Y. Perfumes. 378,621–2; June 11; Serial Nos. 428,080–1; published Mar. 12, 1940. Class 6.

Lion Match Company, Inc., New York, N. Y. Matches, including book matches. 378,626; June 11; Serial No. 428,119; published Apr. 2, 1940. Class 9.

Lisner, E. Irene. (See Schmid, Julius, Incorporated, assignor.)

Locomotive Pulverized Fuel Company, to Combustion Engineering Company, Inc., New York, N. Y. Engines, locomotives, and their parts. 131,534; renewed May 18, 1940.

Lul Products, Inc., Baltimore, Md. Machinery and parts thereof, etc. 378,397; June 11; Serial No. 413,792; published Apr. 2, 1940. Class 23.

Madison Foods. (See Rural Educational Association.)

Magay Corporation, New York, N. Y. Preparation for treating arthritis, rheumatism, etc. 378,419; June 11; Serial No. 419,869; published Aug. 1, 1939. Class 6.

Majestic Surgical Instrument Co., Cicero, Ill. Short wave therapeutic apparatus. 378,444; June 11; Serial No. 424,400; published Apr. 2, 1940. Class 44.

Maraventano, Mary K., doing business as Kasson Pharmaceutical Laboratories, New York, N. Y. Counterirritant. 378,519; June 11; Serial No. 427,082; published Apr. 2, 1940. Class 6.

Marquetland, Theodore, Philadelphia, Pa. Candy. 131,184; renewed May 4, 1940.

Marquis, A. N., Company, The, Chicago, Ill. Publications. 378,389; June 11; Serial No. 402,838; published Dec. 27, 1938. Class 38.

Marquis, A. N., Company, The, Chicago, Ill. Publications. 378,391–2; June 11; Serial Nos. 403,513–4; published Dec. 27, 1938. Class 38.

Matejka, Dr. Karl, Brunn, Czechoslovakia. Weapon oil. 378,390; June 11; Serial No. 403,437; published Apr. 2, 1940. Class 15.

Maurer, Oscar E., to Rainier Brewing Company, San Francisco, Calif., successor. Malt-syrup. 131,183; renewed May 4, 1940.

McCoy's Products, Inc., New York, N. Y. Cod liver oil tablets. 378,520; June 11; Serial No. 427,083; published Apr. 2, 1940. Class 6.

McKenna, Philip M., doing business as McKenna Metals Company, Latrobe, Pa. Inserts used in dies and tools, and dies, cutting tools, etc. 378,692; June 11. Class 23.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Vitamin preparation. 378,609; June 11; Serial No. 428,039; published Mar. 12, 1940. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Barbituric acid derivative. 378,610; June 11; Serial No. 428,040; published Mar. 12, 1940. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Antiseptic preparation. 378,611; June 11; Serial No. 428,041; published Mar. 12, 1940. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Reconstructive tonic and stimulant. 378,612; June 11; Serial No. 428,042; published Mar. 12, 1940. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Vitamin F concentrate. 378,613; June 11; Serial No. 428,043; published Mar. 12, 1940. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Castor and olive oil emulsion. 378,614; June 11; Serial No. 428,044; published Mar. 12, 1940. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Preparation useful in restoring salts lost in perspiration. 378,615; June 11; Serial No. 428,045; published Mar. 12, 1940. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Reconstructive tonic and nerve stimulant. 378,616; June 11; Serial No. 428,046; published Mar. 12, 1940. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Mixture of castor and olive oils. 378,617; June 11; Serial No. 428,048; published Mar. 26, 1940. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Preparation useful in the treatment of gall bladder diseases. 378,618; June 11; Serial No. 428,050; published Mar. 12, 1940. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Cough syrup. 378,619; June 11; Serial No. 428,051; published Mar. 12, 1940. Class 6.

Merrel, Wm. S., Company, The, Cincinnati, Ohio. Preparation used for gall bladder disfunction. 378,544; June 11; Serial No. 427,381; published Mar. 19, 1940. Class 6.

Michigan Alkali Company, Wyandotte, Mich. Chlorine. 378,401; June 11; Serial No. 414,795; published Mar. 5, 1940. Class 6.

Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala. Caulking compounds. 378,459; June 11; Serial No. 425,347; published Apr. 2, 1940. Class 12.

Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala. Liquid roof coating and plastic roofing cement. 378,460; June 11; Serial No. 425,356; published Mar. 26, 1940. Class 12.

Monark Silver King, Inc., Chicago, Ill. Bicycles. 378,596; June 11; Serial No. 427,899; published Apr. 2, 1940. Class 19.

Monroe Chemical Company, Quincy, Ill. Dyes. 378,565; June 11; Serial No. 427,550; published Mar. 19, 1940. Class 6.

Monroe Chemical Company, Quincy, Ill. Dyes. 378,566; June 11; Serial No. 427,552; published Mar. 19, 1940. Class 6.

Morgan Company, by change of name to Morgan Company of Wisconsin, Oshkosh, Wis. Doors, sash and millwork. 128,136; renewed Dec. 23, 1939.

Morgan Manufacturing Co., Inc., The, Keene, N. H., to Screw Machine Products Company, Inc., Providence, R. I., successor. Automobile specialties. 130,552; renewed Apr. 27, 1940.

Morgan, Marguerite J., doing business as New Health Products Co., East Aurora, N. Y. Laxative. 378,508; June 11; Serial No. 426,928; published Mar. 5, 1940. Class 6.

Morris, Philip, & Co. Ltd. Incorporated, New York, N. Y. Cigarettes. 378,545; June 11; Serial No. 427,387; published Apr. 2, 1940. Class 17.

Muench-Kreuzer Candle Co., Inc., Syracuse, N. Y. Candles. 378,480; June 11; Serial No. 426,661; published Mar. 19, 1940. Class 15.

Mullins Manufacturing Corporation, Salem, Ohio. Kitchen cabinets. 378,455; June 11; Serial No. 425,118; published Apr. 2, 1940. Class 32.

Mullins Manufacturing Corporation, Salem, Ohio. Sinks and combined sinks and cabinets. 378,456; June 11; Serial No. 425,119; published Apr. 2, 1940. Class 32.

Mutual Distributors. (See Howson, Horace.)

Mystic Laboratories, Inc. (See Lawry, Rolla C., assignor.)

Nakamura, Gensaku, doing business as Hawaii Nishikai, Honolulu, Hawaii. Blood tonic preparation. 378,457; June 11; Serial No. 425,288; published Apr. 2, 1940. Class 6.

Narrow Fabric Co., The, Wyomissing Borough, Pa., to The Narrow Fabric Company, Reading, Pa. Notions and fancy goods. 136,114; renewed Oct. 26, 1940.

Nashua Manufacturing Company, Boston, Mass. Blankets. 378,659; June 11; Serial No. 428,585; published Apr. 2, 1940. Class 42.

National Carbon Company, Inc., New York, N. Y. Antifreeze. 378,559; June 11; Serial No. 427,438; published Mar. 19, 1940. Class 6.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Index cards, letter and card indexes, crayons, etc. 378,447; June 11; Serial No. 424,600; published Apr. 2, 1940. Class 37.

National Lead Company, New York, N. Y. Chemical compounds. 378,446; June 11; Serial No. 424,552; published Mar. 19, 1940. Class 6.

National Silver Company, New York, N. Y. Knives, forks, spoons, etc. 378,408; June 11; Serial No. 417,502; published July 11, 1939. Class 28.

National Standard Air-Products Co. (See Funk, Donald S.)

Neville Company, The, Neville Island, Pittsburgh, Pa. Resinous media. 378,645; June 11; Serial No. 428,403; published Apr. 2, 1940. Class 6.

New Health Products Co. (See Morgan, Marguerite J.)

New York Mattress Company, Boston, Mass. Mattresses. 378,673; June 11; Serial No. 428,066; published Apr. 2, 1940. Class 32.

Northern Paper Mills, Green Bay, Wis. Bathroom tissue. 378,475; June 11; Serial No. 426,317; published Apr. 2, 1940. Class 37.

O-Cedar Corp'n, Chicago, Ill. Insecticides. 378,452; June 11; Serial No. 424,821; published Mar. 5, 1940. Class 6.

"Old 97 Manufacturing Company". (See Knight, J. B., Sr.)

Oldetyme Distillers, Inc., New York, N. Y. Whiskey. 378,670; June 11; Serial No. 428,819; published Apr. 2, 1940. Class 49.

P. and F. Company, The, Cheshire, Conn. Coffee. 378,538; June 11; Serial No. 427,314; published Apr. 2, 1940. Class 46.

Pacific Mills, Lawrence and Boston, Mass., to Pacific Mills, Boston, Mass. Cotton piece and dress goods. 135,765; renewed Oct. 19, 1940.

Paniello, Santiago, M. D., doing business as Dubert Laboratories, Tampa, Fla. Medicinal wine tonic. 378,420; June 11; Serial No. 420,019; published Apr. 2, 1940. Class 6.

Parfumerie Caron. (See Daltroff, E., & Cie.)

Parfums Charbert, Inc., New York, N. Y. Lipstick, rouge, perfume, etc. 378,509–10; June 11; Serial Nos. 426,986–7; published Mar. 5, 1940. Class 6.

Paris Cosmetics, Inc., New York, N. Y. Lipstick, face powder, rouge, etc. 378,560; June 11; Serial No. 427,441; published Mar. 19, 1940. Class 6.

Phillips, Ed., & Sons Company, Minneapolis, Minn. Whiskey. 378,660; June 11; Serial No. 428,763; published Apr. 2, 1940. Class 49.

Pick Manufacturing Company, West Bend, Wis. Oil filters. 378,666; June 11; Serial No. 428,702; published Apr. 2, 1940. Class 31.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 378,628; June 11; Serial No. 428,172; published Apr. 2, 1940. Class 46.

Pinkham, Lydia E., Medicine Company, Lynn, Mass. Preparations indicated as a tonic. 378,567; June 11; Serial No. 427,554; published Apr. 2, 1940. Class 6.

Pittsburg Storage Company. (See Stewart, W.)

Polis & Hagan, Edinburg, Tex. Fresh citrus fruits. 378,504; June 11; Serial No. 426,867; published Apr. 2, 1940. Class 46.

Post, Frederick, Company, The, Chicago, Ill. Transparentized sheets as of cloth base. 378,406; June 11; Serial No. 417,086; published Apr. 2, 1940. Class 37.

Potts, Orion A., doing business as Klean-It Company, Youngstown, Ohio. Chemicals for rust prevention. 378,641; June 11; Serial No. 428,365; published Mar. 26, 1940. Class 6.

Prevor, Sydney M., doing business as United Mds'g. Syndicate, Brooklyn, N. Y. Electric broilers. 378,404; June 11; Serial No. 425,667; published Mar. 5, 1940. Class 21.

Purex Products, Incorporated, Baltimore, Md. Medicinal mineral oil, cod liver oil, rubbing alcohol, etc. 378,477; June 11; Serial No. 426,343; published Mar. 26, 1940. Class 6.

Quaker Oats Company, The, Chicago, Ill. Breakfast cereals. 378,606; June 11; Serial No. 427,991; published Apr. 2, 1940. Class 46.

RCA Manufacturing Company, Inc., Camden, N. J. Current, voltage, pressure phase measuring and generating devices and appurtenances thereto and parts thereof. 378,399; June 11; Serial No. 414,367; published Apr. 2, 1940. Class 26.

Ragsdale, J. E., doing business as J. E. Hough & Sons, Manchester, Tenn. Antiseptic ointment. 378,575; June 11; Serial No. 427,639; published Apr. 2, 1940. Class 6.

Rainier Brewing Company. (See Maurer, Oscar E., successor.)

Ralksite Company. (See Sovatkin, Stanley B.)

Rand Rubber Company, Brooklyn, N. Y. Dress shields. 378,672; June 11; Serial No. 428,885; published Apr. 2, 1940. Class 40.

Reeves Bros. Inc., New York, N. Y. Cotton piece goods. 378,597; June 11; Serial No. 427,910; published Apr. 2, 1940. Class 42.

Refinery Supply Company, The, Tulsa, Okla. Apparatus to contain liquefied gas and display its change from liquid to gaseous state. 378,620; June 11; Serial No. 428,056; published Apr. 2, 1940. Class 26.

Reis, Robert, & Co., New York, N. Y. Knitted and textile underwear and hosiery. 135,784; renewed Oct. 19, 1940.

Reliance Gauge Column Company, The, Cleveland, Ohio. Filling-liquids for liquid-level gauge instruments. 378,393; June 11; Serial No. 406,731; published Mar. 26, 1940. Class 6.

Revlon Products Corporation, New York, N. Y. Enamel adapted for coating finger nails, and lipsticks. 378,663; June 11; Serial No. 428,625; published Apr. 2, 1940. Class 6.

Roux Distributing Co., New York, N. Y. Nail enamel, nail enamel thinner, nail enamel remover, etc. 378,492; June 11; Serial No. 426,737; published Mar. 5, 1940. Class 6.

Rubel, Jeff L., doing business as J. L. R. Chemical Co., Okolona, Miss. Pile salve. 378,506; June 11; Serial No. 426,902; published Mar. 5, 1940. Class 6.

Ruko Company, New York, N. Y. Camera cases. 378,637; June 11; Serial No. 428,332; published Apr. 2, 1940. Class 26.

Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Canned protein food. 378,680; June 11. Class 46.

Ruskin Tomato Growers, Inc., Ruskin, Fla. Fresh tomatoes. 378,471; June 11; Serial No. 426,037; published Apr. 2, 1940. Class 46.

Sage, Peggy, Inc., New York, N. Y. Nail polish. 378,521–2; June 11; Serial Nos. 427,088–9; published Mar. 19, 1940. Class 6.

Salinitro, Nicholas, doing business as Salinitro Laboratories, New York, N. Y. Chemical preparation. 378,488; June 11; Serial No. 426,632; published Mar. 19, 1940. Class 6.

Schenley Import Corporation, New York, N. Y. Wines. 378,600; June 11; Serial No. 427,945; published Apr. 2, 1940. Class 47.

Schenley International Corporation, New York, N. Y. Whiskey, brandy, gin, etc. 378,588; June 11; Serial No. 427,855; published Apr. 2, 1940. Class 49.

Schmid, Julius, Incorporated, New York, N. Y., assignor, by mesne assignments, to E. Irene Lisner, Bronxville, N. Y. Face-powder and rouges. 132,800; renewed June 29, 1940.

Schram's Method of Scalp Treatment, Detroit, Mich. Preparation for the treatment of the hair and scalp. 378,431; June 11; Serial No. 422,020; published Mar. 26, 1940. Class 6.

Schulte, D. A., Inc., New York, N. Y. Radio games. 378,598; June 11; Serial No. 427,912; published Apr. 2, 1940. Class 22.

Scott Paper Company, Chester, Pa. Paper towels. 378,511; June 11; Serial No. 426,990; published Apr. 2, 1940. Class 37.

Screw Machine Products Company, Inc. (See Morgan Manufacturing Co., Inc., successor.)

Seaman, Jean, Glendale, Calif. Cleansing cream and hand lotion, hair rinses, etc. 378,448; June 11; Serial No. 424,633; published Mar. 26, 1940. Class 6.

Secore Company, Ltd., Cleveland, Ohio. Plastic flooring material. 378,695; June 11. Class 12.

Selrahc Co. (See Goulding, Charles E., Jr.)

Seneca Textile Corporation, New York, N. Y. Cotton, rayon, acetate and/or silk piece goods. 378,684; June 11. Class 42.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Biologically active substances of animal and vegetable origin. 378,388; June 11; Serial No. 387,352; published Apr. 2, 1940. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations containing a substance extracted from an animal organ. 378,568; June 11; Serial No. 427,560; published Apr. 2, 1940. Class 6.

Sharp, Thomas W., doing business as Sharp's, Little Rock, Ark. Sandwiches. 378,607; June 11; Serial No. 427,998; published Apr. 2, 1940. Class 46.

Shedd-Brown Mfg. Co., Minneapolis, Minn. Calendars. 378,400; June 11; Serial No. 414,646; published Mar. 19, 1940. Class 38.

Shulton, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 378,395; June 11; Serial No. 410,804; published Mar. 19, 1940. Class 6.

Silbrite Chemical Co. (See Sowa, Frank J.)

Simpson, Wesley, Inc., New York, N. Y. Acetate rayon, spun rayon, wool, etc. 378,585; June 11; Serial No. 427,827; published Apr. 2, 1940. Class 42.

Sinclair Refining Company, New York, N. Y. Insecticides. 378,583–4; June 11; Serial Nos. 427,823–4; published Apr. 2, 1940. Class 6.

Slomon, Ira L., Long Island City, N. Y. Hat sizing. 378,490; June 11; Serial No. 426,674; published Mar. 5, 1940. Class 6.

Society of Chemical Industry in Basle, Basel, Switzerland. Female sex hormone. 378,629; June 11; Serial No. 428,202; published Mar. 26, 1940. Class 6.

Society of Chemical Industry in Basle, Basel, Switzerland. Male sexual hormone. 378,630; June 11; Serial No. 428,203; published Mar. 26, 1940. Class 6.

Solar, Frank, doing business as Solar Film Co., Chicago, Ill. Photographic film. 378,694; June 11. Class 26.

Southern Mills, Incorporated, Atlanta, Ga. Padding. 378,402; June 11; Serial No. 415,462; published Apr. 2, 1940. Class 42.

Sovatkin, Stanley B., doing business as Ralksite Company, Brooklyn, N. Y. Steel hardening compound. 378,470; June 11; Serial No. 425,932; published Mar. 12, 1940. Class 6.

Sowa, Frank J., doing business as Silbrite Chemical Co., New York, N. Y. Silver and metal tarnish preventing fluid. 378,412; June 11; Serial No. 418,316; published Aug. 22, 1939. Class 6.

Special Foods, Inc., Worthington, Ohio. Vegetable substitute for meat. 378,627; June 11; Serial No. 428,136; published Apr. 2, 1940. Class 46.

Spiegel, Incorporated, Chicago, Ill. Boric acid powder, boric acid crystals, camphorated oil, etc. 378,440; June 11; Serial No. 424,105; published Apr. 2, 1940. Class 6.

Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 378,660–1; June 11; Serial Nos. 428,593–4; published Mar. 26, 1940. Class 6.

Staley, A. E., Manufacturing Company, Decatur, Ill. Edible starches and confectioner's starches, etc. 378,691; June 11. Class 46.

Standard Brands Incorporated. (See Chase & Sanborn, assignor.)

Standard Oil Company of New Jersey, Wilmington, Del. Waxes and petrolatums. 378,570; June 11; Serial No. 427,601; published Apr. 2, 1940. Class 6.

Star Expansion Bolt Company, New York, N. Y. Expansion shields. 378,690; June 11. Class 13.

Stearns, Frederick, & Company, Detroit, Mich. Perfume. 378,434; June 11; Serial No. 423,075; published Apr. 2, 1940. Class 6.

Stearns, Frederick & Company, Detroit, Mich. Medicinal preparation. 378,576; June 11; Serial No. 427,683; published Mar. 12, 1940. Class 6.

Steinway & Sons, New York, N. Y. Publications and periodical reports for recorded music. 378,534; June 11; Serial No. 427,290; published Mar. 19, 1940. Class 38.

Sterliseat Corporation, Wilmington, Del. Toilet seats. 378,681; June 11. Class 13.

Stewart, W., doing business as Pittsburg Storage Company, Pittsburg, Tex. Fresh vegetables. 378,523; June 11; Serial No. 427,094; published Apr. 2, 1940. Class 46.

Steyr-Daimler-Puch Aktiengesellschaft, Steyr, Oberdonau, Germany. Parts used in the construction or repair of automobiles. 378,687; June 11. Class 23.

Stok-A-Fire Company, Inc., University City, Mo. Coal furnaces. 378,685; June 11. Class 34.

Strauss Stores Corp., Maspeth, Long Island, N. Y. Spark plugs. 378,688; June 11. Class 21.

Sun-Rub Products, Inc., East Cleveland, Ohio. Analgesic lotion or medicament. 378,581–2; June 11; Serial Nos. 427,778–9; published Mar. 12, 1940. Class 6.

Taylor, Richard W., doing business as R. W. Taylor & Company, Plymouth, Mass. Compound for imparting a water repellent and wear resisting finish for knitted and woven textiles. 378,500; June 11; Serial No. 426,793; published Mar. 5, 1940. Class 6.

Thomas, Chester L., doing business as Thomas Quilt Factories, Denver, Colo. Quilts, pads for beds, cots, etc. 378,693; June 11. Class 42.

Timme, Estate of Otto, deceased, doing business as E. F. Timme & Son, New York, N. Y. Pile fabrics in the piece. 378,703; June 11. Class 42.

Titanine, Inc., New York, N. Y. to Titanine, Inc., Union (Union Co.), N. J. Varnish preparation. 131,854; renewed May 25, 1940.

Tobacco Processing Co., Inc., New York, N. Y. Smoking tobacco. 378,530; June 11; Serial No. 427,216; published Apr. 2, 1940. Class 17.

Traub Manufacturing Company, The, Detroit, Mich. Jewelry. 134,105; renewed Aug. 10, 1940.

Trimount Coin Machine Company, Boston, Mass. Coin operated vending machines. 378,654; June 11; Serial No. 428,451; published Apr. 2, 1940. Class 23.

United Buyers Corporation, Chicago, Ill. Publication. 378,411; June 11; Serial No. 417,630; published Mar. 26, 1940. Class 38.

United Buyers Corporation, doing business as Fooderaft Products, Chicago, Ill. Lye, bluing, ammonia, etc. 378,458; June 11; Serial No. 425,314; published Mar. 5, 1940. Class 6.

United Drug Company, Boston, Mass. Analgesic and antipyretic tablet. 378,517; June 11; Serial No. 427,049; published Mar. 5, 1940. Class 6.

United Mds'g. Syndicate. (See Prevor, Sydney M.)

United States Warehouse Co., doing business as Fruit Sales Agency, Detroit, Mich. Canned apple juice. 378,541; June 11; Serial No. 427,352; published Apr. 2, 1940. Class 45.

Upjohn Company, The, Kalamazoo, Mich. Medicinal substance. 378,562; June 11; Serial No. 427,483; published Mar. 19, 1940. Class 6.

Valdor, Inc., New York, N. Y. Lipstick, rouge, and nail polish. 378,505; June 11; Serial No. 426,872; published Mar. 26, 1940. Class 6.

Vanasal Company. (See Barnes, Arthur A.)

Velveray Corporation of America, New York, N. Y. Decorated, printed, and ornamented knitted and woven textile piece goods. 378,437; June 11; Serial No. 423,246; published Apr. 2, 1940. Class 42.

Venango Refining Co. Inc., Franklin, Pa. Lubricating oils. 378,479; June 11; Serial No. 426,504; published Mar. 26, 1940. Class 15.

Viavi Company, The, San Francisco, Calif. Laxative emulsion and douche powder. 378,493; June 11; Serial No. 426,742; published Mar. 26, 1940. Class 6.

Video, Incorporated, Bloomfield, N. J. Soluble tablets of saline effervescent substances. 378,435; June 11; Serial No. 423,077; published Mar. 26, 1940. Class 6.

Video, Incorporated, Bloomfield, N. J. Antiseptic tablets and powders, tooth pastes and powders, headache tablets and powders, etc. 378,436; June 11; Serial No. 423,078; published Apr. 2, 1940. Class 6.

Vitamineral Products Company. (See Casey, Paul S.)

Wald, John R., Company, Huntingdon, Pa. Light reflecting material in sheet form. 378,525; June 11; Serial No. 427,120; published Apr. 2, 1940. Class 50.

Walker, Ada, Wyoming, Ohio. Live and dressed poultry, sandwiches, eggs, and fresh vegetables. 378,438; June 11; Serial No. 423,319; published Apr. 2, 1940. Class 46.

Wamblu Corporation, Rochester, N. Y. Lead structural steel paint, wall paint, barn paint, etc. 378,638; June 11; Serial No. 428,339; published Apr. 2, 1940. Class 16.

Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparations. 378,528; June 11; Serial No. 427,151; published Mar. 19, 1940. Class 6.

Warren Lamp Company, Warren, Pa. Electric incandescent lamps. 378,689; June 11. Class 21.

Watkins, F., Proprietary Limited, Melbourne, Victoria, Australia. Sausages and minced meat. 378,472; June 11; Serial No. 426,041; published Apr. 2, 1940. Class 46.

Watson, Horald V., Hull, Tex. Preparation for the treatment of small insect bites, simple ringworm of the toes and feet, and athlete's foot. 378,465; June 11; Serial No. 425,668; published Apr. 2, 1940. Class 6.

Wayne Pump Company, The, Fort Wayne, Ind. Oil tank and pump assemblies, and grease bucket and pump assemblies. 378,394; June 11; Serial No. 410,760; published Apr. 2, 1940. Class 23.

Wayside Gardens Co., The, Mentor, Ohio. Plants and bulbs. 378,702; June 11. Class 1.

Webb Laboratories, Inc., Schenectady, N. Y. Malt tonic. 378,480; June 11; Serial No. 426,506; published Mar. 19, 1940. Class 6.

Webb Laboratories, Inc., Schenectady, N. Y.. Preparation for general tonic builder, anemia, debility, etc. 378,663; June 11; Serial No. 428,669; published Apr. 2, 1940. Class 6.

Western Adhesives Company, Chicago, Ill. Material for protecting human skin from injury from irritants. 378,413; June 11; Serial No. 418,320; published Aug. 1, 1939. Class 6.

Western Union Telegraph Company, The, New York, N. Y. Electro-sensitive and/or thermo-sensitive recording blanks. 378,646; June 11; Serial No. 428,413; published Apr. 2, 1940. Class 26.

Westvaco Chlorine Products Corporation, New York, N. Y. Raw or calcined magnesia compounds. 378,405; June 11; Serial No. 416,883; published Apr. 2, 1940. Class 1.

Willey, C. A., Company, Long Island City, N. Y. Lacquer for furniture and household goods. 132,593; renewed June 22, 1940.

Woodland Paper Products. (See Hartman, Joel.)

Worcester Braiding Company, Worcester, Mass. Shoe laces. 378,526; June 11; Serial No. 427,124; published Mar. 12, 1940. Class 40.

World Bottling Co., Ltd., New Orleans, La. Maltless beverages. 131,679; renewed May 18, 1940.

Yard-Man, Inc., Jackson, Mich. Hand and motor propelled lawn mowers. 378,647; June 11; Serial No. 428,415; published Apr. 2, 1940. Class 23.

Ziff-Davis Publishing Company, Chicago, Ill. Publication. 378,407; June 11; Serial No. 417,393; published Mar. 26, 1940. Class 38.

Ziff-Davis Publishing Company, Chicago, Ill. Periodical publication. 378,427; June 11; Serial No. 421,364; published Mar. 26, 1940. Class 38.

LIST OF REGISTRANTS OF LABELS

Abbadaba Patrick Co. (See Mooney, Hugh N.)

Aiden, Mildred, Los Angeles, Calif. Krak-O-Lets. For Wheat Chips. 54,912; June 11.

American Steel and Wire Company of New Jersey, The, doing business as American Steel & Wire Company, Cleveland, Ohio. Austempering. For Steel. 54,913; June 11.

Beck, C. O., Dallas, Tex. Home-Style. For Bread. 54,914; June 11.

Biltmore Textile Company, Inc., Providence, R. I. Finest Quality Dress Shoe Laces. For Shoe Laces. 54,915; June 11.

Brown-Forman Distillery Company, Louisville, Ky. King of Kentucky. For Whiskey. 54,916; June 11.

Brown-Forman Distillery Company, Louisville, Ky. Old Tucker. For Whiskey. 54,917; June 11.

Canton Noodle Factory, San Francisco, Calif. Poppy Brand Genuine Plain Noodles. For Chinese Noodles. 54,918; June 11.

Center Music Stores, Inc., New York, N. Y. The Farewell Speech of Former King Edward VIII. For an Electrical Recording. 54,919; June 11.

Chicago Lock Company, Chicago, Ill. Protection Durability. For Locks. 54,920; June 11.

Clairol, Inc., New York, N. Y. Clairolite Brilliantine Lightener. For Brilliantine and Lightener for the Hair. 54,921; June 11.

Corydon & Ohlrich, Inc., Chicago, Ill. Kronborg Taffel Akvavit. For Taffel Akvavit (A Spirit Containing Caraway and Other Flavors). 54,922; June 11.

Cowley, Simpson Lamar, Hugo, Okla. Cowley's Rat and Mouse Exterminator. For a Solution Used as a Rat and Mouse Exterminator. 54,962; June 11.

Davol Rubber Company, Providence, R. I. Davol "Anti-Colic" Nipples. For Nipples. 54,923; June 11.

Di Pascale, T., Detroit, Mich. Arona. For Italian Cigars. 54,924; June 11.

Economics Laboratory, Incorporated, St. Paul, Minn. Sollax. For a Cleaner and Water Softener. 54,925; June 11.

Frederick Bros. Inc., Chicago, Ill. F B Extra Pale. For Beer. 54,926; June 11.

Hart Drug Corporation, Miami, Fla. Betaferrum Tablets. For a Hematinic Combined with Vitamin B_1 in Tablet Form. 54,927; June 11.

Hart Drug Corporation, Miami, Fla. Elixir Betaferrum. For a Hematinic Combined with Vitamin B_1 in Elixir Form. 54,928; June 11.

Hart Drug Corporation, Miami, Fla. Iso-Efemist. For an Isotonic Ephedrine Solution. 54,929–31; June 11.

Heileman, G., Brewing Co., La Crosse, Wis. Golden Leaf. For Beer. 54,932; June 11.

Holeproof Hosiery Co., Milwaukee, Wis. Fine Stockings by Holeproof. For Stockings. 54,933; June 11.

Kamm & Schellinger Company, Inc., Mishawaka, Ind. Kamm's Pilsener Light. For Pilsener Beer. 54,934; June 11.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Country Club Quality Brand Cake Flour. For Cake Flour. 54,935; June 11.

Kuriash Company, Inc., The, Rochester, N. Y. Professional Twissors the Scissor Handle Tweezers for Removing Superfluous Hair. For Tweezers for Removing Superfluous Hair. 54,936; June 11.

Los Angeles Soap Co., doing business as White King Soap Co., Los Angeles, Calif. Scotch Soap. For Granulated Soap. 54,937; June 11.

MacGregor, Stuart, & Co., Glasgow, Scotland. Stuart MacGregor's Loch Lomond. For Scotch Whiskey. 54,939; June 11.

MacIntosh, H. E., doing business as Tatham Stamp & Coin Co., Springfield, Mass. Buried Treasure Mixture. For Assorted Coins of the World. 54,940; June 11.

MacIntosh, H. E., doing business as Tatham Stamp & Coin Co., Sprinfield, Mass. World Parade Coin Collection. For Twenty Different Uncirculated Coins from Twenty Different Countries. 54,941; June 11.

Main Petroleum Service Company, Bath and Woolwich, Maine. State of Maine Motor Oils. For Motor Oils. 54,942; June 11.

MacDonald, Rose, doing business as R. M. Packing Co., Jamaica, New York. MacDonald's Chopped Mixed Vegtables for Dogs, Cats and Puppies. For Chopped Mixed Vegetables for Dogs, Cats and Puppies. 54,938. June 11.

Minnesota Valley Canning Company, Le Sueur, Minn. Valley Prime. For Canned Large Sweet Peas. 54,943; June 11.

Mirex Cigar Co. Inc., Peoria, Ill. Gate Post. For Cigars. 54,944; June 11.

Modern Diet Products, Inc., Milwaukee, Wis. Vege-Sal. For a Table Seasoning Salt Flavored with Raw Dehydrated Vegetables. 54,945; June 11.

Mooney, Hugh N., doing business as Abbadaba Patrick Co., Chicago, Ill. Abba Dabba. For a Water Softener. 54,946; June 11.

National Cash Register Company, The, Dayton, Ohio. G. For Paper Rolls. 54,947; June 11.

National Cash Register Company, The, Dayton, Ohio. RAA. For Paper Rolls. 54,948; June 11.

Norwich Pharmacal Company, The, Norwich, N. Y. Noramin 12, a Dietary Supplement. For a Dietary Supplement Consisting of Capsules Containing 5 Vitamins and Wafers Containing Compounds Providing 7 Minerals. 54,949; June 11.

Parker Brothers Inc., Salem, Mass. Blarney Stones. For a Game. 54,950; June 11.

Pelphrey, H. F., & Son, Los Angeles, Calif. Pel-Freez. For Quick Frozen California Domestic Rabbit. 54,951; June 11.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Aunt Dinah. For Molasses. 54,952; June 11.

Perkins Products Company, Clearing Station, Chicago, Ill. Kool-Aid. For Bubble Gum. 54,953; June 11.

Perkins Products Company, Clearing Station, Chicago, Ill. Kool-Aid. For Cream Soda. 54,954; June 11.

Quaker Oats Company, The, Chicago, Ill. Quaker Puffed Rice. For Breakfast Cereal. 54,955; June 11.

Quaker Oats Company, The, Chicago, Ill. Quaker Puffed Wheat. For Breakfast Cereal. 54,956; June 11.

R. M. Packing Co. (See MacDonald, Rose.)

Ramond, Chas. K., New Orleans, La. Alpha-Beta Word Game. For a Word Game. 54,957; June 11.

Royal Quality Hosiery Co., Chicago, Ill. Royal Quality. For Hosiery. 54,958; June 11.

Saniwax Paper Co., Kalamazoo, Mich. Oven Gold. For Bread. 54,959; June 11.

Schoits, W. G., Los Angeles, Calif. "My Children Need that Extra Nutrition". For Bread. 54,960; June 11.

Sems Company, Incorporated, Stamford, Conn. Aco-Gel. For Medicinal Compound for the Treatment of Colds. 54,961; June 11.

Smucker, J. M., Co., The, Orrville, Ohio. Smucker's Old Fashioned Strawberry Preserves. For Strawberry Preserves. 54,963; June 11.

Storz Brewing Company, Omaha, Neb. Storz Gold Crest. For Beer. 54,964; June 11.

Swann Farms, Dandridge, Tenn. Swann Brand Apple Juice. For Apple Juice. 54,965; June 11.

Tatham Stamp & Coin Co. (See MacIntosh, H. E.)

Webb, Thomas J., Company, Chicago, Ill. Mount Vernon. For Coffee. 54,966; June 11.

White King Soap Co. (See Los Angeles Soap Co.)

Wise, Llewellyn Hamilton, doing business as L. H. Wise Laboratories, Cincinnati, Ohio. Tex. For Facial Cream. 54,967; June 11.

Zimbal, Abe, Rome, N. Y. Top-Pot. For a Game. 54,968; June 11.

LIST OF REGISTRANTS OF PRINTS

Atlas Novelty Company, Chicago, Ill. The Outstanding 7 Lite Lamp of the Year. For Floor Lamps. 18,012; June 11.

Belford Studios. (See Snodgrass, Clefford F.)

Brandt, Irving, & Co., Chicago, Ill. Brandt Biltmore. For Braces. 18,013; June 11.

Camp, S. H., & Company, Jackson, Mich. Good Posture is Nature's Rule Only We Humans Ignore it. For Supports for Better Posture and Better Appearance. 18,014; June 11.

Camp, S. H., & Company, Jackson, Mich. Camp National Posture Week—May 6th–11th. For Supports for Better Posture and Better Appearance. 18,015–16; June 11.

Clairol, Inc., New York, N. Y. Keep Your Hair at its Colorful Best. For a Vegetable Oil Shampoo. 18,017; June 11.

Clairol, Inc., New York, N. Y. Think of Your Hair—Reproductions of True Unretouched Photographs from Case Histories of Clairol, Inc. For a Vegetable Oil Shampoo. 18,018; June 11.

Club Aluminum Products Co., Chicago, Ill. She'll Cook in it Joyfully She'll Serve in it Smartly. For Aluminum Waterless Cookware. 18,019; June 11.

Consolidated Associates, Inc., Chicago, Ill. Switch to Old Switch. For Whiskey. 18,020; June 11.

De Forest, Elmer Edgar, Susanville, Calif., What Should Our Farm Marketing Policy Be? For Grocery Order Lists. 18,021; June 11.

F. & M. Schaefer Brewing Co., The, Brooklyn, N. Y. Schaefer Express. For Beer. 18,033; June 11.

Gambrell, William J., San Marino, Calif. Little Hammies. For Ground, Smoked and Cured Ham Made in Links and Patties. 18,022; June 11.

Graf, George N., doing business as George N. Graf Company, New York, N. Y. It's Policed for Freshness. For Bread. 18,023; June 11.

Hampden Brewing Company, Williamansett, Mass. A Perfect Score. For Ale and Beer. 18,024; June 11.

Homer Laughlin China Company, The, Newell, W. Va. Add + A + Place. For Dinnerware. 18,025; June 11.

Jantzen Knitting Mills, Portland, Oreg. It's Smart to Start with a Jantzen Foundation. For Foundation Garments. 18,026; June 11.

McGraw Electric Company, Elgin, Ill. Her Eyes will Linger Longest on the Gifts She'll Always Use. For a Hospitality Set Consisting of a Walnut Tray, Four Lap Trays, Crystal Dishes, Toast-Trimmer and Automatic Toaster and for a Waffle Service Consisting of a Waffle Baker, Syrup Jug, Batter Bowl, Ladle and Walnut Tray. 18,027; June 11.

McQuay-Norris Manufacturing Company, St. Louis, Mo. Engineered Motor Reringing. For Piston Rings. 18,028; June 11.

Nos-Ease Company, New York, N. Y. Glosstex. For Temple Coverings for Spectacles. 18,029; June 11.

Pabst Brewing Company, Peoria Heights, Ill. This is a Blue Ribbon Country. For Beer. 18,030; June 11.

Paulson, Henry, doing business as Henry Paulson & Co., Chicago, Ill. Buy Jewelry from your Jeweler. The Man Who Knows Jewelry. For Jewelry. 18,031; June 11.

Perkins Products Company, Chicago, Ill. Kool-Aid. For a Base for Desserts and Soft Drinks. 18,032; June 11.

Snodgrass, Clefford F., doing business as Belford Studios, Pasadena, Calif. Colorfrost by Belford. For Frosted, Colored, Glassware. 18,034; June 11.

Southern Handkerchief Mfg. Co., Greenville, S. C. All American Navy Best by Test Specification Handkerchiefs. For Handkerchiefs. 18,035; June 11.

Tenderet Corporation, Chicago, Ill. Tenderet Filled Steak. For Meat. 18,036; June 11.

Wallace & Company, Milwaukee, Wis. Wash and Shine for Ninety-Nine. For a Liquid Polish that Washes and Polishes in One Application. 18,037; June 11.

Willard Storage Battery Company, Cleveland, Ohio. Willard Spark Plugs. For Automobile Spark Plugs. 18,038; June 11.

World Bottling Co., Ltd., New Orleans, La. It's a Food Not a Fad. For a Drink. 18,039; June 11.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leathers, Partly prepared and finished. Thomas B. Harvey Leather Co. 378,443; June 11; Serial No. 424,322; published Apr. 2, 1940.

Magnesia compounds, Raw or calcined. Westvaco Chlorine Products. 378,405; June 11; Serial No. 416,883; published Apr. 2, 1940.

Plants and bulbs. Wayside Gardens Co. 378,702; June 11.

Rubber, powder. Centrale Vereeniging tot Beheer van Proefstations voor de Overjarige Cultures in Nederlandsch-Indie. 378,608; June 11; Serial No. 428,019; published Apr. 2, 1940.

Seed-corn, grass-seeds, and field seeds. H. E. Conklin. 130,684; renewed May 4, 1940.

Skins, Fur. A Hollander & Son, Inc. 135,700; renewed Oct. 19, 1940.

CLASS 4

Soap. E. Fougera & Co. 136,000; renewed Oct. 26, 1940.

Steel wool pads. American Steel Wool Mfg. Co. Inc. 378,701; June 11.

CLASS 6

Acetone, acid acetate, acid boric, etc. Globe Chemical Company. 378,409–10; June 11; Serial Nos. 417,534–5; published Mar. 5, 1940.

Adhesive agent and emulsification agent. Glidden Company. 378,398; June 11; Serial No. 414,107; published Apr. 2, 1940.

Ammonia, bluing, petroleum jelly, etc., Home use. Frieden Bros. & Co. 378,415; June 11; Serial No. 418,774; published June 13, 1939.

Analgesic and antipyretic tablet. United Drug Company. 378,517; June 11; Serial No. 427,049; published Mar. 5, 1940.

Anti-freeze. National Carbon Company. 378,559; June 11; Serial No. 427,438; published Mar. 19, 1940.

Antiseptic preparation. McNeil Laboratories, Incorporated. 378,611; June 11; Serial No. 428,041; published Mar. 12, 1940.

Astringents, astringent cerates, beauty creams, etc. Delettrez, Inc. 378,497; June 11; Serial No. 426,763; published Mar. 5, 1940.

Astringents, astringent cerates, bleach creams, etc. Shulton, Inc. 378,395; June 11; Serial No. 410,804; published Mar. 19, 1940.

Barbituric acid derivative. McNeil Laboratories, Incorporated. 378,610; June 11; Serial No. 428,040; published Mar. 12, 1940.

Bath oil, toilet water, friction lotion, etc. Mary Chess Inc. 378,496; June 11; Serial No. 426,762; published Mar. 12, 1940.

Bleach and water softener. A. E. Cloutier. 378,604; June 11; Serial No. 427,964; published Mar. 12, 1940.

Bleach, skin whitening cream, eye brow pencil, etc. Dandro-Nox Co. 378,577; June 11; Serial No. 427,703; published Mar. 5, 1940.

Boric acid powder, boric acid crystals, camphorated oil, etc. Spiegel, Incorporated. 378,440; June 11; Serial No. 424,105; published Apr. 2, 1940.

Castor and olive oil emulsion. McNeil Laboratories, Incorporated. 378,614; June 11; Serial No. 428,044; published Mar. 12, 1940.

Castor and olive oils, Mixture of. McNeil Laboratories, Incorporated. 378,617; June 11; Serial No. 428,048; published Mar. 26, 1940.

Chemical adapted for the moth-proofing of fibers and fabrics. Geigy Company. 378,586; June 11; Serial No. 427,840; published Mar. 5, 1940.

Chemical composition to be added to gasolene, fuel oil, etc. C. E. L. Co. 378,579; June 11; Serial No. 427,750; published Apr. 2, 1940.

Chemical compounds. National Lead Company. 378,446; June 11; Serial No. 424,552; published Mar. 19, 1940.

Chemical preparation. N. Salinitro. 378,488; June 11; Serial No. 426,632; published Mar. 19, 1940.

Chemical preparations. Harris-Seybold-Potter Company. 378,587; June 11; Serial No. 427,843; published Mar. 19, 1940.

Chemicals and preparations and compounds thereof used in photographic processes. General Aniline & Film Corporation. 378,593; June 11; Serial No. 427,889; published Mar. 5, 1940.

Chemicals for rust prevention. O. A. Potts. 378,641; June 11; Serial No. 428,365; published Mar. 26, 1940.

Chemicals, Inorganic. Eastman Kodak Company. 378,515; June 11; Serial No. 427,011; published Mar. 5, 1940.

Chemicals, Inorganic. Eastman Kodak Company. 378,516; June 11; Serial No. 427,014; published Mar. 5, 1940.

Chlorine. Michigan Alkali Company. 378,401; June 11; Serial No. 414,795; published Mar. 5, 1940.

Coating, Liquid. Dymant Company. 378,474; June 11; Serial No. 426,288; published Mar. 19, 1940.

Cod liver oil tablets. McCoy's Products, Inc. 378,520; June 11; Serial No. 427,083; published Apr. 2, 1940.

Compositions for the chemical treatment of textile fibres and the textile materials made therefrom. Alrose Chemical Co. 378,512–4; June 11; Serial Nos. 427,001–3; published Mar. 5, 1940.

Compound containing various minerals. P. S. Casey. 378,450; June 11; Serial No. 424,756; published Jan. 9, 1940.

Compound containing various minerals to be mixed with feed rations of animals. P. S. Casey. 378,449; June 11; Serial No. 424,753; published Mar. 26, 1940.

Compound for imparting a water repellent and wear resisting finish for knitted and woven textiles. R. W. Taylor. 378,500; June 11; Serial No. 426,793; published Mar. 5, 1940.

Compound used for fulling and scouring woolen and worsted goods, and general textile scouring. Hass-Miller Corporation. 378,574; June 11; Serial No. 427,626; published Mar. 5, 1940.

Cough syrup. McNeill Laboratories, Incorporated. 378,619; June 11; Ser. No. 428,051; published Mar. 12, 1940.

Counterirritant. M. K. Maraventano. 378,519; June 11; Serial No. 427,082; published Apr. 2, 1940.

Cream, Hand. Comfort Manufacturing Company. 378,404; June 11; Serial No. 416,402; published Apr. 4, 1939.

Cream, hand lotion, hair rinses, etc., Cleansing. J. Seaman. 378,448; June 11; Serial No. 424,633; published Mar. 26, 1940.

Diuretic and vegetable compounds, nose and throat drops, cough mixture, etc. J. B. Knight, Sr. 378,486; June 11; Serial No. 426,589; published Mar. 26, 1940.

Dyes. Monroe Chemical Company. 378,565; June 11; Serial No. 427,550; published Mar. 19, 1940.

Dyes. Monroe Chemical Company. 378,566; June 11; Serial No. 427,552; published Mar. 19, 1940.

Embalming supplies. Embalmers' Supply Company. 378,418; June 11; Serial 419,747; published Mar. 5, 1940.

Emollient or ointment. Duke Laboratories, Inc. 378,507; June 11; Serial No. 426,925; published Mar. 5, 1940.

Enamel adapted for coating finger nails, and lipsticks. Revlon Products Corporation. 378,663; June 11; Serial No. 428,625; published Apr. 2, 1940.

Fluxing compound. Chicago Welding Sales Company. 378,461; June 11; Serial No. 423,363; published Apr. 2, 1940.

Gum. Gum Laboratories, Inc. 378,501; June 11; Serial No. 426,807; published Mar. 26, 1940.

Gum containing a non-poisonous peroxide compound. Gum Laboratories, Inc. 378,502; June 11; Serial No. 426,808; published Mar. 5, 1940.

Hormone, Female sex. Society of Chemical Industry in Basle. 378,620; June 11; Serial No. 428,202 published Mar. 26, 1940.

Hormone, Male sexual. Society of Chemical Industry in Basle. 378,630; June 11; Serial No. 428,203; published Mar. 26, 1940.

Insecticides. C. B. Dolge Company. 378,542; June 11; Serial No. 427,368; published Mar. 19, 1940.

Insecticides. O Cedar Corp'n. 378,452; June 11; Serial No. 424,821; Mar. 5, 1940.

Insecticides. Sinclair Refining Company. 378,583–4; June 11; Serial Nos. 427,823–4; published Apr. 2, 1940.

Laxative. M. J. Morgan. 378,508; June 11; Serial No. 426,928; published Mar. 5, 1940.

Laxative emulsion and douche powder. Viavi Company. 378,493; June 11; Serial No. 426,742; published Mar. 26, 1940.

Laxative preparation. G. Bellinger. 378,421; June 11; Serial No. 420,442; published Mar. 5, 1940.

Lipstick, face powder, rouge, etc. Paris Cosmetics, Inc. 378,560; June 11; Serial No. 427,441; published Mar. 19, 1940.

Lipstick, rouge, and nail polish. Valdor, Inc. 378,505; June 11; Serial No. 426,872; published Mar. 26, 1940.

Lipstick, rouge, face powder; etc. D. R. Kallman. 378,561; June 11; Serial No. 427,466; published Apr. 2, 1940.

Lipstick, rouge, perfume, etc. Parfums Charbert, Inc. 378,509–10; June 11; Serial Nos. 426,986–7; published Mar. 5, 1940.

Lipsticks, dry rouge, and cream rouge. Dorothy Gray Salons. 378,592; June 11; Serial No. 427,886; published Mar. 12, 1940.

Liquid to lay coal dust in the coal industry for plants and mines. A. C. Horn Company. 378,668; June 11; Serial No. 428,756; published Apr. 2, 1940.

Liquids for liquid level gauge instruments, Filling. Reliance Gauge Column Company. 378,393; June 11; Serial No. 406,731; published Mar. 26, 1940.

Lotion, medicine, and tonic, Eye. T. Bradford. 378,482; June 11; Serial No. 426,521; published Mar. 5, 1940.

Lotion or medicament, Analgesic. Sun-Rub Products, Inc. 378,581–2; June 11; Serial Nos. 427,778–9; published Mar. 12, 1940.

Lye, bluing, ammonia, etc. United Buyers Corporation. 378,458; June 11; Serial No. 425,314; published Mar. 5, 1940.

Material for killing moths, moth eggs, and moth larvae. Sadie Chemical Products, Inc. 378,535; June 11; Serial No. 427,292; published Mar. 19, 1940.

Material for protecting human skin from injury from irritants. Western Adhesives Company. 378,413; June 11; Serial No. 418,320; published Aug. 1, 1939.

Medicinal mineral oil, cod liver oil, rubbing alcohol, etc. Purex Products, Incorporated. 378,477; June 11; Serial No. 426,343; published Mar. 26, 1940.

Medicinal preparation. Brooklyn Scientific Products Co. 378,539; June 11; Serial No. 427,332 published Mar. 19, 1940.

Medicinal preparation. Ironized Yeast Co. Inc. 378,503; June 11; Serial No. 426,835; published Mar. 5, 1940.

Medicinal preparation. Frederick Stearns & Company. 378,576; June 11; Serial No. 427,683; published Mar. 12, 1940.

Medicinal preparations. William Warner & Co. 378,528; June 11; Serial No. 427,151; published Mar. 19, 1940.

Medicinal substance. Upjohn Company. 378,562; June 11; Serial No. 427,483; published Mar. 19, 1940.

Medicine. Fowl. J. L. Hoffman Company. 378,635; June 11; Serial No. 428,286; published Mar. 19, 1940.

Nail enamel, nail enamel thinner, nail enamel remover, etc. Roux Distributing Co. 378,492; June 11; Serial No. 426,737; published Mar. 5, 1940.

Nail polish. Peggy Sage, Inc. 378,521–2; June 11; Serial Nos. 427,088–9; published Mar. 19, 1940.

Ointment. W. R. Ball. 378,478; June 11; Serial No. 426,355; published Apr. 2, 1940.

Ointment, Antiseptic. J. E. Ragsdale. 378,575; June 11; Serial No. 427,639; published Apr. 2, 1940.

Ointment, Pile and fistula. J. D. Goodwin. 378,536; June 11; Serial No. 427,300; published Mar. 19, 1940.

Ointment, Skin. A. A. Barnes. 378,466; June 11; Serial No. 425,683; published Mar. 26, 1940.

Osmotherapeutic treatment of ear diseases, ear drops. Doho Chemical Corporation. 378,396; June 11; Serial No. 412,409; published Jan. 3, 1939.

Pack solution, texture cream, melting cream, etc. Elmo, Inc. 378,524; June 11; Serial No. 427,101; published Mar. 26, 1940.

Perfume. Dorothy Gray Salons. 378,403; June 11; Serial No. 415,586; published Apr. 2, 1940.

Perfume. Frederick Stearns & Company. 378,434; June 11; Serial No. 423,075; published Apr. 2, 1940.

Perfume, eau de cologne, dusting powder, etc. Lehn & Fink Products Corporation. 378,563; June 11; Serial No. 427,506; published Mar. 19, 1940.

Perfumery and beauty preparations. L. Givaudan & Cie. Société Anonyme. 378,433; June 11; Serial No. 422,930; published Mar. 26, 1940.

Perfumes. Goldstein & Lall. 378,429; June 11; Serial No. 421,770; published Apr. 2, 1940.

Perfumes. Lentheric, Incorporated. 378,621–2; June 11; Serial Nos. 428,080–1; published Mar. 12, 1940.

Perfumes, toilet water, talcum powder, etc. John Bradshaw Company. 378,484; June 11; Serial No. 426,555; published Mar. 19, 1940.

Perfumes, toilet waters, face and toilet powders, etc. E. Daltroff & Cie. 378,572; June 11; Serial No. 427,616; published Apr. 2, 1940.

Peroxide, Bleaching. Goodman Chemical Co. 378,527; June 11; Serial No. 427,137 published Mar. 19, 1940.

Petroleum jelly. Earle Wholesale Grocery Co. 378,498; June 11; Serial No. 426,766; published Mar. 5, 1940.

Powder and rouges, Face. Julius Schmid, Incorporated. 132,800; renewed June 29, 1940.

Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 378,655–8; June 11; Serial Nos. 428,465–8; published Mar. 26, 1940.

Powder, skin cream, cologne, etc., Face. Lander Co. Inc. 378,468; June 11; Serial No. 425,791; published Feb. 20, 1940.

Powder, talcum powder, bath crystals, etc., Bath. House of Marcell, Inc. 378,499; June 11; Serial No. 426,773; published Mar. 26, 1940.

Preparation for barber's itch, athlete's foot, ring-worms, etc. C. E. Goulding, Jr. 378,632; June 11; Serial No. 428,232; published Mar. 19, 1940.

Preparation for general tonic, builder, anemia, debility, etc. Webb Laboratories, Inc. 378,665; June 11; Serial No. 428,669; published Apr. 2, 1940.

Preparation for the treatment of small insect bites, simple ringworm of the toes and feet, and athlete's foot. H. V. Watson. 378,465; June 11; Serial No. 425,668; published Apr. 2, 1940.

Preparation for the treatment of the hair and scalp. Schram's Method of Scalp Treatment. 378,431; June 11; Serial No. 422,020; published Mar. 26, 1940.

Preparation for treating arthritis, rheumatism, etc. Magay Corporation. 378,419; June 11; Serial No. 419,860; published Aug. 1, 1939.

Preparation for use for falling hair, dandruff, and scalp irritations. J. A. Laury. 378,698; June 11.

Preparation for use in the treatment of kidney disorders. James Lawrence Co. 378,625; June 11; Serial No. 428,118; published Mar. 12, 1940.

Preparation used as a deodorant. R. C. Lawry. 132,505; renewed June 22, 1940.

Preparation used for gall bladder disfunction. Wm. S. Merrell Company. 378,544; June 11; Serial No. 427,381; published Mar. 19, 1940.

Preparation useful in restoring salts lost in perspiration. McNeil Laboratories, Incorporated. 378,615; June 11; Serial No. 428,045; published Mar. 12, 1940.

Preparation useful in the treatment of gall bladder diseases. McNeil Laboratories, Incorporated. 378,618; June 11; Serial No. 428,050; published Mar. 12, 1940.

Preparations containing a substance extracted from an animal organ. Sharp & Dohme, Incorporated. 378,568; June 11; Serial No. 427,560; published Apr. 2, 1940.

Preparations indicated as a tonic. Lydia E. Pinkham Medicine Company. 378,567; June 11; Serial No. 427,554; published Apr. 2, 1940.

Preparations which repel moths and other insects. Cedacote Products Inc. 378,414; June 11; Serial No. 418,674; published June 13, 1939.

Preservative compounds, Chemical wood. E. & F. King & Co. 378,426; June 11; Serial No. 421,088; published Mar. 26, 1940.

Resinous media. Neville Company. 378,645; June 11; Serial No. 428,403; published Apr. 2, 1940.

Salve, Pile. J. L. Rubel. 378,506; June 11; Serial No. 426,902; published Mar. 5, 1940.

Sizing, Hat. I. I. Slomon. 378,490; June 11; Serial No. 426,674; published Mar. 5, 1940.

Spray, Insect. Interstate Drug Corp. 378,454; June 11; Serial No. 425,055; published Mar. 26, 1940.

Starch, Beater. Corn Products Refining Company. 378,599; June 11; Serial No. 427,926; published Mar. 26, 1940.

Steel hardening compound. S. B. Sovatkin. 378,470; June 11; Serial No. 425,932; published Mar. 12, 1940.

Sterilizing tablets. American Cystoscope Makers, Inc. 378,494; June 11; Serial No. 426,753; published Mar. 5, 1940.

Substances of animal and vegetable origin, Biologically active. Sharp & Dohme, Incorporated. 378,388; June 11; Serial No. 387,352; published Apr. 2, 1940.

Supplies and accessories for dry cleaning. Band Box Corporation. 378,422; June 11; Serial No. 420,618; published Mar. 5, 1940.

Supplies and accessories for dry cleaning. Band Box Corporation. 378,423; June 11; Serial No. 420,620; published Mar. 26, 1940.

Tablets and powders, tooth pastes and powders, headache tablets and powders, etc., Antiseptic. Video, Incorporated. 378,436; June 11; Serial No. 423,078; published Apr. 2, 1940.

Tablets of saline effervescent substances, Soluble. Video, Incorporated. 378,435; June 11; Serial No. 423,077; published Mar. 26, 1940.

Tarnish preventing fluid, Silver and metal. F. J. Sowa. 378,412; June 11; Serial No. 418,316; published Aug. 22, 1939.

Tonic and eliminant. H. Hawson. 378,537; June 11; Serial No. 427,306; published Mar. 19, 1940.

Tonic and nerve stimulant, Reconstructive. McNeil Laboratories, Incorporated. 378,611; June 11; Serial No. 428,046; published Mar. 12, 1940.

Tonic and stimulant, Reconstructive. McNeil Laboratories, Incorporated. 378,612; June 11; Serial No. 428,042; published Mar. 12, 1940.

Tonic, Malt. Webb Laboratories, Inc. 378,480; June 11; Serial No. 426,506; published Mar. 19, 1940.

Tonic, Medicinal wine. S. Paniello, M. D. 378,420; June 11; Serial No. 420,019; published April 2, 1940.

Tonic preparation, Blood. G. Nakamura. 378,457; June 11; Serial No. 425,288; published April 2, 1940.

Vitamin and mineral wafers. Burbot Liver Products Co. 378,636; June 11; Serial No. 428,302; published Mar. 19, 1940.

Vitamin F concentrate. McNeil Laboratories, Incorporated. 378,613; June 11; Serial No. 428,043; published Mar. 12, 1940.

Vitamin preparation. McNeil Laboratories, Incorporated. 378,609; June 11; Serial No. 428,039; published Mar. 12, 1940.

Vitaminic preparations. E. R. Squibb & Sons. 378,660–1; June 11; Serial Nos. 428,593–4; published Mar. 26, 1940.

Waxes and petrolatums. Standard Oil Company of New Jersey. 378,570; June 11; Serial No. 427,601; published Apr. 2, 1940.

Wetting agents. American Cyanamid & Chemical Corporation. 378,642; June 11; Serial No. 428,375; published Mar. 26, 1940.

CLASS 7

Rope, cord and twine. American Manufacturing Company. 130,608; renewed May 4, 1940.

CLASS 8

Ash trays. H. Davies. 378,591; June 11; Serial No. 427,884; published Apr. 2, 1940.

Pipes, stoker units, pipe filters, etc., Smoking. Briar Hill Corporation. 378,533; June 11; Serial No. 427,270; published Apr. 2, 1940.

CLASS 9

Matches, including book matches. Lion Match Company. 378,626; June 11; Serial No. 428,119; published Apr. 2, 1940.

CLASS 12

Aggregate for use in preparing concrete. American Aggregate Company. 135,380; renewed Oct. 12, 1940.
Asphalt and asphalt compositions, Emulsified. Allied Materials Corporation. 378,462; June 11; Serial No 425,542; published Apr. 2, 1940.
Caulking compounds. Mobile Paint Manufacturing Company of Delaware, Inc. 378,459; June 11; Serial No. 425,347; published Apr. 2, 1940.
Coating and plastic roofing cement, Liquid roof. Mobile Paint Manufacturing Company of Delaware, Inc. 378,460; June 11; Serial No. 425,356; published Mar. 26, 1940.
Doors, sash and millwork. Morgan Company. 128,136; renewed Dec. 23, 1939.
Plastic flooring material. Secore Company, Ltd. 378,695; June 11.
Plywood, Douglas fir. Douglas Fir Plywood Association. 378,682; June 11.
Stone slabs, Artificial. Dextone Company. 378,485; June 11; Serial No. 426,563; published Mar. 26, 1940.

CLASS 13

Bowls, Closet. Chicago Pottery Company. 378,643; June 11; Serial No. 428,380; published Apr. 2, 1940.
Reels. G. L. Hunt. 378,633; June 11; Serial No. 428,234; published Apr. 2, 1940.
Shields, Expansion. Star Expansion Bolt Company. 378,690; June 11.
Sinks and combined sinks and cabinets. Mullins Manufacturing Corporation. 378,456; June 11; Serial No. 425,119; published April 2, 1940.
Toilet seats. Sterilseat Corporation. 378,681; June 11.

CLASS 14

Balls of brass or other metal, Hollow balanced. Draper Manufacturing Company. 130,487; renewed Apr. 27, 1940.
Castings, Ferrous rough. Duraloy Company. 378,430; June 11; Serial No. 421,875; published Apr. 2, 1940.
Steel parts. Foote Bros. Gear and Machine Corporation. 378,416; June 11; Serial No. 419,507; published Apr. 2, 1940.
Steel parts. Foote Bros. Gear and Machine Corporation. 378,417; June 11; Serial No. 419,509; published Apr. 2, 1940.

CLASS 15

Candles. Muench-Kreuzer Candle Co. 378,489; June 11; Serial No. 426,661; published Mar. 19, 1940.
Oil, Weapon. Dr. K. Matejka. 378,390; June 11; Serial No. 403,437; published Apr. 2, 1940.
Oils, Lubricating. Venango Refining Co. 378,479; June 11; Serial No. 426,504; published Mar. 26, 1940.

CLASS 16

Lacquer for furniture and household goods. C. A. Willey. 132,593; renewed June 22, 1940.
Paint, wall paint, barn paint, etc., Lead structural steel. Wamblu Corporation. 378,638; June 11; Serial No. 428,339; published April 2, 1940.
Paints, lacquers, paint enamels, etc. Coating Materials Laboratories, Inc. 378,445; June 11; Serial No. 424,422; published Mar. 26, 1940.
Smalt, ceramic colors, and paint pigments. E. I. du Pont de Nemours and Company. 378,573; June 11; Serial No. 427,624; published Apr. 2, 1940.
Varnish preparation. Titanine, Inc. 131,854; renewed May 25, 1940.
Wax, Prepared liquid. Davies-Young Soap Company. 378,624; June 11; Serial No. 428,109; published Mar. 26, 1940.

CLASS 17

Cigarettes. Philip Morris & Co. Ltd. Incorporated. 378,545; June 11; Serial No. 427,387; published Apr. 2, 1940.
Tobacco, cigars, and cigarettes, Smoking and chewing. Crimson Coach Incorporated. 378,590; June 11; Serial No. 427,881; published Apr. 2, 1940.
Tobacco, Pipe. Brooks Brothers. 378,603; June 11; Serial No. 427,958; published Apr. 2, 1940.
Tobacco, Smoking. Daniel Frank Co. 378,487; June 11; Serial No. 426,613; published Apr. 2, 1940.
Tobacco, Smoking. Tobacco Processing Co. 378,530; June 11; Serial No. 427,216; published Apr. 2, 1940.

CLASS 19

Bicycles. Monark Silver King, Inc. 378,596; June 11; Serial No. 427,899; published Apr. 2, 1940.
Bicycles, tricycles, ice velocipedes, etc. Arkwright, Incorporated. 378,589; June 11; Serial No. 427,869; published Apr. 2, 1940.

CLASS 21

Anodes used in electrolytic work. C. E. Heil. 378,699; June 11.
Broilers, Electric. S. M. Prevor. 378,464; June 11; Serial No. 425,667; published Mar. 5, 1940.
Lamps, Electric incandescent. Warren Lamp Company. 378,689; June 11.
Mixers, Electrical food and beverage. Chicago Flexible Shaft Company. 378,428; June 11; Serial No. 421,725; published Apr. 2, 1940.
Motors and parts therefor, Electric. Byron Jackson Co. 378,463; June 11; Serial No. 425,608; published Apr. 2, 1940.
Spark plugs. Strauss Stores Corp. 378,688; June 11.

CLASS 22

Airplanes, Model. Air Youth of America, Inc. 378,634; June 11; Serial No. 428,275; published Apr. 2, 1940.
Base ball bats. Hillerich & Bradsby Company. 378,594; June 11; Serial No. 427,894; published Apr. 2, 1940.
Game. Carkey and Schults. 378,495; June 11; Serial No. 426,759; published Apr. 2, 1940.
Games, Radio. D. A. Schulte, Inc. 378,598; June 11; Serial No. 427,912; published Apr. 2, 1940.
Sport articles, games and accessories. William J. Beer Co. 378,679; June 11.

CLASS 23

Automobile specialties. Morgan Manufacturing Co. 130,552; renewed Apr. 27, 1940.
Engines, locomotives, and their parts, etc. Locomotive Pulverized Fuel Company. 131,534; renewed May 18, 1940.
Equipment, Oil field and water well. Layne & Bowler Company. 378,678; June 11.
Hoists and parts thereof. American Chain & Cable Company. 378,700; June 11.
Inserts used in dies and tools, and dies, cutting tools, etc. P. M. McKenna. 378,602; June 11.
Machinery and parts thereof, etc. Lul Products, Inc. 378,397; June 11; Serial No. 413,792; published Apr. 2, 1940.
Mowers, Hand and motor propelled lawn. Yard-Man, Inc. 378,647; June 11; Serial No. 428,415; published Apr. 2, 1940.
Parts used in the construction or repair of automobiles. Steyr-Daimler-Puch Aktiengesellschaft. 378,687; June 11.
Plows, bush hooks, axes, etc. Collins Company. 378,529; June 11; Serial No. 427,194; published Apr. 2, 1940.
Sweepers, Carpet. Bissell Carpet Sweeper Co. 378,432; June 11; Serial No. 422,463; published Apr. 2, 1940.
Tank and pump assemblies, and grease bucket and pump assemblies, Oil. Wayne Pump Company. 378,394; June 11; Serial No. 410,760; published Apr. 2, 1940.
Vending machines, Coin operated. Trimount Coin Machine Company. 378,654; June 11; Serial No. 428,451; published Apr. 2, 1940.

CLASS 25

Locks. J. G. Beddoes. 128,930; renewed Jan. 20, 1940.

CLASS 26

Apparatus to contain liquefied gas and display its change from liquid to gaseous state. Refinery Supply Company. 378,620; June 11; Serial No. 428,056; published Apr. 2, 1940.
Camera cases. Ruko Company. 378,637; June 11; Serial No. 428,332; published Apr. 2, 1940.
Film, Photographic. F. Solar. 378,694; June 11.
Funnels, Glass. Kimble Glass Company. 378,644; June 11; Serial No. 428,391; published Apr. 2, 1940.
Measuring and generating devices and appurtenances therete and parts thereof, Current, voltage, pressure phase. RCA Manufacturing Company. 378,399; June 11; Serial No. 414,367; published Apr. 2, 1940.
Recorders, Watch rate. American Time Products, Inc. 378,441; June 11; Serial No. 424,220; published Apr. 2, 1940.
Recording blanks, Electro-sensitive and/or thermo-sensitive. Western Union Telegraph Company. 378,646; June 11; Serial No. 428,413; published Apr. 2, 1940.

CLASS 27

Watch cases and watch dials. Belove Watch Case Co. 378,674; June 11.

CLASS 28

Initials and initial articles. Hickok Manufacturing Company. 378,543; June 11; Serial No. 427,375; published Mar. 26, 1940.
Jewelry. Traub Manufacturing Company. 134,105; renewed Aug. 10, 1940.
Knives, forks, spoons, etc. National Silver Company. 378,408; June 11; Serial No. 417,502; published July 11, 1939.
Necklaces and braclets, finger rings, earrings, etc. Cohn & Rosenberger Inc. 378,425; June 11; Serial No. 420,895; published Mar. 26, 1940.

CLASS 29

Brushes, Shaving. Gem Safety Razor Corporation. 134,365; renewed Aug. 31, 1940.
Brushes, Shaving. Kampfe Bros. 132,978; renewed July 6, 1940.

CLASS 31

Cooking units, Water and brine. Chrysler Corporation. 378,662; June 11; Serial No. 428,608; published Apr. 2, 1940.

Filters, Oil. Pick Manufacturing Company. 378,666; June 11; Serial No. 428,702; published Apr. 2, 1940.

CLASS 32

Cabinets, Kitchen. Mullins Manufacturing Corporation. 378,455; June 11; Serial No. 425,118; published Apr. 2, 1940.
Mattresses. Eclipse Sleet Products, Inc. 378,578; June 11; Serial No. 427,705; published Apr. 2, 1940.
Mattresses. New York Mattress Company. 378,673; June 11; Serial No. 428,966; published Apr. 2, 1940.

CLASS 34

Burners and air conditioning units, Domestic oil. Electrol Incorporated. 378,675; June 11.
Furnaces, Coal. Stok-A-Fire Company. 378,685; June 11.
Ventilators and air conditioning units, Forced draft. D. S. Funk. 378,442; June 11; Serial No. 424,266; published Apr. 2, 1940.

CLASS 35

Tires, Resilient vehicle. Firestone Tire & Rubber Company. 378,439; June 11; Serial No. 423,558; published Apr. 2, 1940.

CLASS 37

Card holder, Index. S. M. Barber, Jr. 378,531; June 11; Serial No. 427,227; published Apr. 2, 1940.
Cards, letter and card indexes, crayons, etc., Index. National Co-Operatives, Inc. 378,447; June 11; Serial No. 424,600; published Apr. 2, 1940.
Paper. Burbank Crocker Papers, Inc. 378,532; June 11; Serial No. 427,235; published Apr. 2, 1940.
Paper, Absorbent tissue. J. Hartman. 378,676; June 11.
Paper, bank books, envelopes, etc., Writing. T. W. Ellett. 378,483; June 11; Serial No. 426,528; published Apr. 2, 1940.
Paper, Decorative. Bliss Display Corporation. 378,697; June 11.
Paper towels. Scott Paper Company. 378,511; June 11; Serial No. 426,990; published Apr. 2, 1940.
Sheets as of cloth base, Transparentized. Frederick Post Company. 378,406; June 11; Serial No. 417,086; published Apr. 2, 1940.
Tissue, Bathroom. Northern Paper Mills. 378,475; June 11; Serial No. 426,317; published Apr. 2, 1940.
Tissue, Toilet. Automatic Paper Machinery Company. 378,473; June 11; Serial No. 426,282; published Apr. 2, 1940.

CLASS 38

Books, Text. C. A. Johnson. 378,564; June 11; Serial No. 427,540; published Apr. 2, 1940.
Calendars. Shedd-Brown Mfg. Co. 378,400; June 11; Serial No. 414,646; published Mar. 19, 1940.
Column devoted to stamp collectors and stamp collections. Hearst Publications, Incorporated. 378,453; June 11; Serial No. 424,900; published Mar. 26, 1940.
Magazine. All American Comics, Inc. 378,571; June 11; Serial No. 427,610; published Apr. 2, 1940.
Magazine column. F-R Publishing Corporation. 378,546–51; June 11; Serial Nos. 427,402–7; published Mar. 26, 1940.
Magazine column. F-R Publishing Corporation. 378,552; June 11; Serial No. 427,409; published Mar. 26, 1940.
Magazine column. F-R Publishing Corporation. 378,553–6; June 11; Serial Nos. 427,411–14; published Mar. 26, 1940.
Magazine column. F-R Publishing Corporation. 378,557; June 11; Serial No. 427,415; published Apr. 2, 1940.
Magazine column. F-R Publishing Corporation. 378,558; June 11; Serial No. 427,417; published Mar. 26, 1940.
Magazines. Dell Publishing Company. 378,569; June 11; Serial No. 427,577; published Mar. 19, 1940.
Plans and specifications. H. K. Ferguson Company, The. 135,991; renewed Oct. 26, 1940.
Publication. United Buyers Corporation. 378,411; June 11; Serial No. 417,630; published Mar. 26, 1940.
Publication. Ziff-Davis Publishing Company. 378,407; June 11; Serial No. 411,393; published Mar. 26, 1940.
Publication, Periodical. Latin-American Information, Inc. 378,467; June 11; Serial No. 425,741; published Apr. 2, 1940.
Publication, Periodical. Ziff-Davis Publishing Company. 378,427; June 11; Serial No. 421,364; published Mar. 26, 1940.
Publications. A. N. Marquis Company. 378,389; June 11; Serial No. 402,838; published Dec. 27, 1938.
Publications. A. N. Marquis Company. 378,391–2; June 11; Serial Nos. 403,512–14; published Dec. 27, 1938.
Publications and periodical reports for recorded music. Steinway & Sons. 378,534; June 11; Serial No. 427,290; published Mar. 19, 1940.

CLASS 39

Clothing. Beaumont Dry Goods & Notion Co. 135,913; renewed Oct. 26, 1940.
Clothing. Cohen, Goldman & Co. 135,639; renewed Oct. 19, 1940.
Corsets. American Lady Corset Company. 131,019; renewed May 4, 1940.
Pajamas, underwear, robes, etc. Cohler Company Inc. 378,540; June 11; Serial No. 427,335; published Mar. 12, 1940.
Underwear and hosiery, Knitted and textile. Robert Reis & Co. 135,784; renewed Oct. 19, 1940.

CLASS 40

Laces, Shoe. International Braid Company. 378,451; June 11; Serial No. 424,773; published Apr. 2, 1940.
Laces, Shoe. Worcester Braiding Company. 378,526; June 11; Serial No. 427,124; published Mar. 12, 1940.
Notions and fancy goods. Narrow Fabric Co. 136,114; renewed Oct. 26, 1940.
Shields, Dress. Rand Rubber Company. 378,672; June 11; Serial No. 428,885; published Apr. 2, 1940.

CLASS 42

Blankets. Beacon Manufacturing Company. 378,667; June 11; Serial No. 428,745; published Apr. 2, 1940.
Blankets. Nashua Manufacturing Company. 378,659; June 11; Serial No. 428,585; published Apr. 2, 1940.
Cotton piece and dress goods. Pacific Mills. 135,765; renewed Oct. 19, 1940.
Cotton piece goods. Hockmeyer Bros. Inc. 378,653; June 11; Serial No. 428,435; published Apr. 2, 1940.
Cotton piece goods. Reeves Bros. Inc. 378,597; June 11; Serial No. 427,910; published Apr. 2, 1940.
Cotton, rayon, acetate and/or silk piece goods. Seneca Textile Corporation. 378,684; June 11.
Fabrics. Auburn Fabrics, Inc. 378,639; June 11; Serial No. 428,347; published Apr. 2, 1940.
Fabrics in the piece, Pile. Estate of Otto Timme. 378,703; June 11.
Padding. Southern Mills, Incorporated. 378,402; June 11; Serial No. 415,462; published Apr. 2, 1940.
Piece goods. Celanese Corporation of America. 378,648–52; June 11; Serial Nos. 428,423–7; published Apr. 2, 1940.
Quilts, pads for beds, cots, etc. C. L. Thomas. 378,693; June 11.
Rayon, spun rayon, wool, etc., Acetate. Wesley Simpson Inc. 378,585; June 11; Serial No. 427,827; published Apr. 2, 1940.
Silk, satin, rayon, etc. Cohn-Hall-Marx Co. 378,684; June 11; Serial No. 428,641; published Apr. 2, 1940.
Silks, woolens, cotton piece goods, etc. Levin Barkin & Co. Inc. 378,601; June 11; Serial No. 427,955; published Apr. 2, 1940.
Textile piece goods, Decorated, printed, and ornamented knitted and woven. Velveray Corporation of America. 378,437; June 11; Serial No. 423,246; published Apr. 2, 1940.

CLASS 44

Metals and precious metal alloys, Precious. Ross Bayes & Co. 378,671; June 11; Serial No. 428,829; published Apr. 2, 1940.
Prophylactic sheaths. F. G. Karg. 378,640; June 11; Serial No. 428,357; published Apr. 2, 1940.
Therapeutic apparatus, Short wave. Majestic Surgical Instrument Co. 378,444; June 11; Serial No. 424,400; published Apr. 2, 1940.
Veterinary needles and syringes. Becton, Dickinson & Co. 135,392; renewed Oct. 12, 1940.

CLASS 45

Beverages, Maltless. World Bottling Co. 131,679; renewed May 18, 1940.
Canned apple juice. United States Warehouse Co. 378,541; June 11; Serial No. 427,352; published Apr. 2, 1940.

CLASS 46

Bread. Haller Baking Company. 130,743; renewed May 4, 1940.
Bread, cakes and pastry. Haller Baking Company. 131,132; renewed May 4, 1940.
Candy. Euclid Candy Company of California, Inc. 378,631; June 11; Serial No. 428,227; published Apr. 2, 1940.
Candy. T. Marquetland. 131,184; renewed May 4, 1940.
Canned and dried fruits and vegetables. American Stores Company. 378,696; June 11.
Canned protein food. Rural Educational Association. 378,680; June 11.
Cereals, Breakfast. Quaker Oats Company. 378,606; June 11; Serial No. 427,991; published Apr. 2, 1940.
Coffee. P. and F. Company. 378,538; June 11; Serial No. 427,314; published Apr. 2, 1940.
Confections. Frank H. Fleer Corporation. 378,580; June 11; Serial No. 427,753; published Apr. 2, 1940.
Flour, Buckwheat. The estate of George V. Hecker. 18,000; re-renewed June 3, 1940.
Flour, Wheat. Pillsbury Flour Mills Company. 378,628; June 11; Serial No. 428,172; published Apr. 2, 1940.
Fruit, Fresh citrus. Indian Hill Citrus Association. 378,595; June 11; Serial No. 427,895; published Apr. 2, 1940.
Fruits, Fresh citrus. Polis & Hagan. 378,504; June 11; Serial No. 426,867; published Apr. 2, 1940.
Marmalade, jellies, jams, etc. Bedford Products. 378,677; June 11.
Milk, Dry skimmed. Casein Company of America, Inc. 378,387; June 11; Serial No. 383,257; published Apr. 2, 1940.

Milk, Goat's. M. E. Baldwin. 378,481; June 11; Serial No. 426,514; published Apr. 2, 1940.
Oat cereal breakfast food. General Mills, Inc. 378,469; June 11; Serial No. 425,885; published Apr. 2, 1940.
Oleomargarine. Churngold Corporation. 378,491; June 11; Serial No. 426,688; published Apr. 2, 1940.
Poultry, sandwiches, eggs, and fresh vegetables, Live and dressed. A. Walker. 378,438; June 11; Serial No. 423,319; published Apr. 2, 1940.
Powder for making hot chocolate. Beatrice Creamery Company. 378,602; June 11; Serial No. 427,956; published Apr. 2, 1940.
Preserves, Fruit and vegetable. C. Kopecky. 378,424; June 11; Serial No. 420,823; published Apr. 2, 1940.
Sandwiches. T. W. Sharp. 378,607; June 11; Serial No. 427,098; published Apr. 2, 1940.
Sausages and minced meat. F. Watkins. 378,472; June 11; Serial No. 426,041; published Apr. 2, 1940.
Starches, and confectioner's starches, etc., Edible. A. E. Staley Manufacturing Company. 378,691; June 11, Syrup, Malt. O. E. Maurer. 131,183; renewed May 4, 1940.
Tea. Chase & Sanborn. 134,226; renewed Aug. 24, 1940.
Tea. Chase & Sanborn. 134,347; renewed Aug. 31, 1940.
Tomatoes, Fresh. Ruskin Tomato Growers, Inc. 378,471; June 11; Serial No. 426,037; published Apr. 2, 1940.
Vegetable substitute for meat. Special Foods, Inc. 378,627; June 11; Serial No. 428,136; published Apr. 2, 1940.
Vegetables, Fresh. Bonita Packing Co. 378,518; June 11; Serial No. 427,065; published Apr. 2, 1940.
Vegetables, Fresh. D'Arrigo Bros. Company. 378,686; June 11.
Vegetables, Fresh. W. Stewart. 378,523; June 11; Serial No. 427,094; published Apr. 2, 1940.

CLASS 47

Wines. Comex Wine & Spirits, Inc. 378,623; June 11; Serial No. 428,107; published Apr. 2, 1940.
Wines. Schenley Import Corporation. 378,600; June 11; Serial No. 427,945; published Apr. 2, 1940.

CLASS 49

Whiskey. Henry Kelly & Sons, Inc. 378,683; June 11.
Whiskey. Oldetyme Distillers, Inc. 378,670; June 11; Serial No. 428,819; published Apr. 2, 1940.
Whiskey. Ed Phillips & Sons Company. 378,669; June 11; Serial No. 428,763; published Apr. 2, 1940.
Whiskey, brandy, gin, etc. Schenley International Corporation. 378,588; June 11; Serial No. 427,855; published Apr. 2, 1940.
Whiskey, gin, rum, etc. Joseph S. Finch and Company. 378,605; June 11; Serial No. 427,975; published Apr. 2, 1940.

CLASS 50

Bottle closures. A. E. Cremer. 378,476; June 11; Serial No. 426,328; published Apr. 2, 1940.
Light reflecting material in sheet form. John R. Wald Company. 378,525; June 11; Serial No. 427,120; published Apr. 2, 1940.

LIST OF LABELS

Abba Dabba. For a Water Softener. Hugh N. Mooney. 54,946; June 11.
Aco-Gel. For Medicinal Compound for the Treatment of Colds. Sems Company. 54,961; June 11.
Alpha-Beta Word Game. For a Word Game. Chas. K. Ramond. 54,957; June 11.
Arona. For Italian Cigars. T. Di Pascale. 54,924; June 11.
Aunt Dinah. For Molasses. Penick & Ford, Ltd. Incorporated. 54,952; June 11.
Austempering. For Steel. American Steel and Wire Company of New Jersey. 54,913; June 11.
Betaferrum Tablets. For a Hematinic Combined With Vitamin B_1 in Tablet Form. Hart Drug Corporation. 54,927; June 11.
Blarney Stones. For a Game. Parker Brothers Inc. 54,950; June 11.
Buried Treasure Mixture. For Assorted Coins of the World. H. E. MacIntosh. 54,940; June 11.
Clairolite Brilliantine Lightener. For Brilliantine and Lightener for the Hair. Clairol, Inc. 54,921; June 11.
Cowley's Rat and Mouse Exterminator. For a Solution Used as a Rat and Mouse Exterminator. S. L. Cowley. 54,962; June 11.
Davol "Anti-Colic" Nipples. For Nipples. Davol Rubber Company. 54,923; June 11.
Elixir Betaferrum. A Hematinic Combined With Vitamin B_1 in Elixir Form. Hart Drug Corporation. 54,928; June 11.
F B Extra Pale. For Beer. Frederick Bros. Inc. 54,926; June 11.
Fine Stockings by Holeproof. For Stockings. Holeproof Hosiery Co. 54,933; June 11.
Finest Quality Dress Shoe Laces. For Laces. Biltmore Textile Company. 54,915; June 11.
G. For Paper Rolls. National Cash Register Company. 54,947; June 11.
Gate Post. For Cigars. Mirex Cigar Co. Inc. 54,944; June 11.
Golden Leaf. For Beer. G. Heileman Brewing Co. 54,932; June 11.
Home-Style. For Bread. C. O. Beck. 54,914; June 11.
Iso-Efemist. For an Isotonic Ephedrine Solution. Hart Drug Corporation. 54,929–31; June 11.
Kamm's Pilsener Light. For Pilsener Beer. Kamm & Schellinger Company. 54,934; June 11.
King of Kentucky. For Whiskey. Brown-Forman Distillery Company. 54,916; June 11.
Kool-Aid. For Bubble Gum. Perkins Products Company. 54,953; June 11.
Kool-Aid. For Cream Soda. Perkins Products Company. 54,953; June 11.
Krak-O-Lets. For Wheat Chips. M. Alden. 54,912; June 11.
Kroger's Country Club Quality Brand Cake Flour. For Cake Flour. Kroger Grocery & Baking Company. 54,935; June 11.
Kronborg Taffel Akvavit. For Taffel Akvavit (A Spirit Containing Caraway and Other Flavors). Corydon & Ohlrich, Inc. 54,922; June 11.
MacDonald's Chopped Mixed Vegetables for Dogs, Cats and Puppies. For Chopped Mixed Vegetables for Dogs, Cats and Puppies. R. MacDonald. 54,938; June 11.
Mount Vernon. For Coffee. Thomas J. Webb Company. 54,966; June 11.
"My Children Need That Extra Nutrition". For Bread. W. G. Scholts. 54,960; June 11.
Noramin 12, a Dietary Supplement. For a Dietary Supplement Consisting of Capsules Containing 5 Vitamins and Wafers Containing Compounds Providing 7 Minerals. Norwich Pharmacal Company. 54,949; June 11.
Old Tucker. For Whiskey. Brown-Forman Distillery Company. 54,917; June 11.
Oven Gold. For Bread. Saniwax Paper Co. 54,959; June 11.
Pel-Freez. For Quick Frozen California Domestic Rabbit. H. F. Pelphrey & Son. 54,951; June 11.
Poppy Brand Genuine Chinese Plain Noodles. For Chinese Noodles. Canton Noodle Factory. 54,918; June 11.
Professional Twissors, the Scissor Handle Tweezers for Removing Superfluous Hair. For Tweezers for Removing Superfluous Hair. Kurlash Company. 54,936; June 11.
Protection Durability. For Locks. Chicago Lock Company. 54,920; June 11.
Quaker Puffed Rice. For Breakfast Cereal. Quaker Oats Company. 54,955; June 11.
Quaker Puffed Wheat. For Breakfast Cereal. Quaker Oats Company. 54,956; June 11.
RAA. For Paper Rolls. National Cash Register Company. 54,948; June 11.
Royal Quality. For Hosiery. Royal Quality Hosiery Co. 54,958; June 11.
Scotch Soap. For Granulated Soap. Los Angeles Soap Co. 54,937; June 11.
Smucker's Old Fashioned Strawberry Preserves. For Strawberry Preserves. J. M. Smucker Co. 54,963; June 11.
Sollax. For a Cleaner and Water Softener. Economics Laboratory, Incorporated. 54,925; June 11.
State of Maine Motor Oils. For Motor Oils. Maine Petroleum Service Company. 54,942; June 11.
Storz Gold Crest. For Beer. Storz Brewing Company. 54,964; June 11.
Stuart MacGregor's Loch Lomond. For Scotch Whiskey. Stuart MacGregor & Co. 54,939; June 11.
Swann Brand Apple Juice. For Apple Juice. Swann Farms. 54,965; June 11.
Tex. For Facial Cream. L. H. Wise. 54,967; June 11.
The Farewell Speech of Former King Edward VIII. For an Electrical Recording. Center Music Stores, Inc. 54,919; June 11.
Top-Pot. For a Game. A. Zimbal. 54,968; June 11.
Valley Prime. For Canned Large Sweet Peas. Minnesota Valley Canning Company. 54,943; June 11.
Vege-Sal. For a Table Seasoning Salt Flavored With Raw Dehydrated Vegetables. Modern Diet Products, Inc. 54,945; June 11.
World Parade Coin Collection. For Twenty Different Uncirculated Coins From Twenty Different Countries. H. E. MacIntosh. 54,941; June 11.

LIST OF PRINTS

Add + A + Place. For Dinnerware. Homer Laughlin China Company. 18,025; June 11.
All American Navy Best by Test Specification Handkerchiefs. For Handkerchiefs. Southern Handkerchief Mfg Co. 18,035; June 11.
A Perfect Score. For Ale and Beer. Hampden Brewing Company. 18,024; June 11.
Brandt Biltmore. For Braces. Irving Brandt & Co. 18,013; June 11.
Buy Jewelry from your Jeweler. The Man Who Knows Jewelry. For Jewelry. H. Paulson. 18,031; June 11.
Camp National Posture Week—May 6th–11th. For Supports for Better Posture and Better Appearance. S. H. Camp & Company. 18,015–16; June 11.
Colorfrost by Belford. For Frosted, Colored, Glassware. C. F. Snodgrass. 18,034; June 11.
Engineered Motor Reringing. For Piston Rings. McQuay-Norris Manufacturing Company. 18,028; June 11.
Glostex. For Temple Coverings for Spectacles. Nos-Ease Company. 18,029; June 11.
Good Posture is Nature's Rule Only We Humans Ignore It. For Supports For Better Posture and Better Appearance. S. H. Camp & Company. 18,014; June 11.
Her Eyes will Linger Longest on the Gifts She'll Always Use. For a Hospitality Set Consisting of a Walnut Tray, Four Lap Trays, Crystal Dishes, Toast-Trimmer and Automatic Toaster and for a Waffle Service Consisting of a Waffle Baker, Syrup Jug, Batter Bowl, Ladle and Walnut Tray. McGraw Electric Company. 18,027; June 11.
It's a Food Not a Fad. For a Drink. World Bottling Co. 18,039; June 11.
It's Policed for Freshness. For Bread. G. N. Graf. 18,023; June 11.
It's Smart to Start with a Jantzen Foundation. For Foundation Garments. Jantzen Knitting Mills. 18,026; June 11.
Keep Your Hair at Its Colorful Best. For a Vegetable Oil Shampoo. Clairol, Inc. 18,017. June 11.
Kood-Aid. For a Base for Desserts and Soft Drinks. Perkins Products Company. 18,032; June 11.
Little Hammies. For Ground, Smoked and Cured Ham Made in Links and Patties. W. J. Gambrell. 18,022; June 11.
Schaefer Express. For Beer. F. & M. Schaefer Brewing Co. 18,033; June 11.
She'll Cook in It Joyfully She'll Serve in it Smartly. Aluminum Waterless Cookware. Club Aluminum Products Co. 18,019; June 11.
Switch to Old Switch. For Whiskey. Consolidated Associates, Inc. 18,020; June 11.
Tenderet Filled Steak. For Meat. Tenderet Corporation. 18,036; June 11.
The Outstanding 7 Lite Lamp of the Year. For Floor Lamps. Atlas Novelty Company. 18,012; June 11.
Think of Your Hair—Reproductions of True Unretouched Photographs from Case Histories of Clairol, Inc. For a Vegetable Oil Shampoo. Clairol, Inc. 18,018; June 11.
This is a Blue Ribbon Country. For Beer. Pabst Brewing Company. 18,030; June 11.
Wash and Shine for Ninety-Nine. For a Liquid Polish that Washes and Polishes in One Application. Wallace & Company. 18,037; June 11.
What Should Our Farm Marketing Policy Be? E. E. De Forest. 18,021; June 11.
Willard Spark Plugs. For Automobile Spark Plugs. Willard Storage Battery Company. 18,038; June 11.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Gaterman, William, Manitowoc, Wis. Attachment for mowing machines. Re. 21,481; June 11.

Martin, Walter R., Long Beach, Calif. Multiple drilling gauge. Re. 21,482; June 11.

LIST OF DESIGN PATENTEES

Acme Ring Co. (See Mengel, Otto H., assignor.)
Ancell, Samuel, New York, N. Y. Dress. 121,053; June 11.
Anderson, Eugene R., Chicago, Ill. Juvenile car. 120,981; June 11.
Bell & Howell Company, The. (See Reinecke, Jean O., assignor.)
Bell & Howell Company, The. (See Townsley, Malcolm G., assignor.)
Berkman, Boris, Chicago, Ill. Combined hood and jacket or similar article. 121,044; June 11.
Bernikow, David, Brooklyn, N. Y. Soap dish. 120,982; June 11.
Bixer, Edmond P., New York, N. Y. Textile fabric or similar article. 121,031; June 11.
Bixer, Edmond P., New York, N. Y. Textile fabric or similar article. 121,032; June 11.
Bixer, Edmond P., New York, N. Y. Textile fabric or similar article. 121,033; June 11.
Bixer, Edmond P., New York, N. Y. Textile fabric or similar article. 121,034; June 11.
Bixer, Edmond P., New York, N. Y. Textile fabric or similar article. 121,035; June 11.
Block, Richard G., Los Angeles, Calif. Flower container. 120,983; June 11.
Boyle, John D., Greenwich, Conn. Puzzle. 121,006; June 11.
Boyle, John D., Greenwich, Conn. Puzzle. 121,007; June 11.
Brod, Melvin D., New York, N. Y. Combined chenille jacket and hood. 121,036; June 11.
Broffman, Abraham, Brooklyn, N. Y. Combined letter opener and telephone dialer. 120,969; June 11.
Cavagnaro, Milton D., assignor to San Francisco Bay Exposition, San Francisco, Calif. Commemorative emblem or similar article. 121,008; June 11.
Cohn & Rosenberger, Inc. (See Verrecchio, Gene, assignor.)
Cooper, David, Brooklyn, N. Y. Clip or similar article. 120,970; June 11.
Cooper, David, Brooklyn, N. Y. Clip or similar article. 120,971; June 11.
Cooper, David, Brooklyn, N. Y. Linked chain or similar article. 120,984; June 11.
Cooper, David, Brooklyn, N. Y. Linked chain or similar article. 120,985; June 11.
Cooper, David, Brooklyn, N. Y. Linked chain or similar article. 120,986; June 11.
Crone, Pliney M., Kansas City, Mo. Directional signal lamp. 121,058; June 11.
Cummings, Israel, New York, N. Y. Textile fabric. 120,987; June 11.
Curtis, Kenneth, Winnetka, Ill., assignor to Eger Bait Manufacturing Company, Bartow, Fla. Fish bait. 120,988; June 11.
Delphos Bending Company, The. (See Peltier, Leslie, assignor.)
Desser, Michael S., assignor to Kimble Glass Company, Vineland, N. J. Towel bar bracket. 120,972; June 11.
Dreyfus, Adolphe, Mount Vernon, assignor to Ellen Lace & Embroidery Co. Inc., New York, N. Y. Lace. 121,037; Jan. 11.
Dreyfus, Adolphe, Mount Vernon, assignor to Ellen Lace & Embroidery Co. Inc., New York, N. Y. Lace. 121,038; June 11.
Dreyfus, Adolphe, Mount Vernon, assignor to Ellen Lace & Embroidery Co. Inc., New York, N. Y. Lace. 121,039; June 11.
Dreyfus, Adolphe, Mount Vernon, assignor to Ellen Lace & Embroidery Co. Inc., New York, N. Y. Lace. 121,040; June 11.
Eger Bait Manufacturing Company. (See Curtis, Kenneth, assignor.)
Ellen Lace & Embroidery Co. Inc. (See Dreyfus, Adolphe, assignor.)
Evans Case Company. (See Regan, Quinlan T., assignor.)
Exhibit Supply Company, The. (See Meyer, John F., assignor.)
F. & N. Lawn Mower Company, The. (See Kluter, Marlowe H., assignor.)
Farley, Francis S., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Molding press. 121,009; June 11.
Feldman, Philip, New York, N. Y. Coat lining. 121,054; June 11.
Firestone Tire & Rubber Company, The. (See Reeves, Robert L., assignor.)
Flannery, Bernard M., Galion, Ohio. Apparel rack or the like. 121,045; June 11.
Formis, Frederick K., Chattanooga, Tenn. Display carton. 121,046; June 11.
Freeman, Lawrence W., Plainfield, N. J., assignor to Pathe Laboratories, Inc., New York, N. Y. Film viewer. 120,973; June 11.
Gentile, Robert S., New York, N. Y. Textile fabric. 121,010; June 11.
Gentile, Robert S., New York, N. Y., assignor to Tabin-Picker & Company, Chicago, Ill. Textile fabric. 121,047; June 11.
Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fire extinguisher or similar article. 121,011; June 11.
Gray, Edgar V., Brightwaters, N. Y. Flashlight for theaters. 121,012; June 11.
Griffith, Lester G. (See Villasenor, David V., assignor.)
Hamilton, J. T. & A., Company. (See Kihn, Lawrence J., assignor.)
Harvey, James A., Roanoke, Va. Hub tool. 120,974; June 11.
Hopkins, Horner H., Des Moines, Iowa. Knife holder. 121,048; June 11.
Karron, Charles, Brooklyn, N. Y. Handbag frame. 121,013; June 11.
Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass bottle. 120,989; June 11.
Kimble Glass Company. (See Desser, Michael S., assignor.)
Kinsley, Felix P., St. Louis, Mo. Finger ring. 120,975; June 11.
Kinsley, Felix P., St. Louis, Mo. Finger ring. 120,976; June 11.
Kinsley, Felix P., St. Louis, Mo. Finger ring. 120,977; June 11.
Kirby, John F., Lakewood, assignor to National Plastics, Inc., Cleveland, Ohio. Lamp. 120,990; June 11.
Kluter, Marlowe H., assignor to The F. & N. Lawn Mower Company, Richmond, Ind. Lawn mower handle. 121,014; June 11.
Koch, Roderic M., Evansville, Ind. Base for a floral basket or similar article. 120,991; June 11.
Kushner, Phillip S., Detroit, Mich. Ash tray. 120,992; June 11.
La Vigne, Jerome R., assignor to The Waterbury Buckle Company, Waterbury, Conn. Clasp. 120,993; June 11.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 121,049; June 11.
Lett, Robert L., La Crosse, Wis. Game board. 120,994; June 11.
Levy, Nat, New York, N. Y. Necklace or the like. 121,059; June 11.
Lindsay, John W., North Adams, Mass. Textile fabric. 120,995; June 11.
Lindsay, John W., North Adams, Mass. Textile fabric. 121,015; June 11.
Lonergan Manufacturing Company. (See Walker, George W., assignor.)
Mengel, Otto H., assignor to Acme Ring Co., Newark, N. J. Finger ring. 120,996; June 11.
Meyer, John F., assignor to The Exhibit Supply Company, Chicago, Ill. Cabinet for an amusement apparatus. 120,997; June 11.
Michaels, Marx, Los Angeles, Calif. Doll. 120,998; June 11.
Mitchell, Bernard A., Chicago, Ill. Bed lamp. 121,016; June 11.
Morimura Bros., Inc. (See Leigh, Cyril W., assignor.)
Murdock, James A., Chicago, Ill. Removable bottle closure. 120,999; June 11.

National Plastics, Inc. (See Kirby, John F., assignor.)
Neuhardt, Charlotte M., New York, N. Y. Dress. 121,055; June 11.
Newman, Alexander I., assignor to Precision Scientific Company, Chicago, Ill. Distillation testing apparatus. 121,017; June 11.
Orlan, John W., New York, N. Y. Textile fabric or similar article. 121,041; June 11.
Parker Brothers, Incorporated. (See Vandenborre, Rene, assignor.)
Pataky, Louis, Florissant, Mo. Mill dispenser. 121,018; June 11.
Pathe Laboratories, Inc. (See Freemen, Lawrence W., assignor.)
Peltier, Leslie, assignor to The Delphos Bending Company, Delphos, Ohio. Base frame for child's rocking toy or similar article. 121,000; June 11.
Precision Scientific Company. (See Newman, Alexander I., assignor.)
Reeves, Robert L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Battery servicer. 121,010; June 11.
Regan, Quinlan T., Chartley, assignor to Evans Case Company, North Attleboro, Mass. Lighter or the like. 121,020; June 11.
Regan, Quinlan T., Chartley, assignor to Evans Case Company, North Attleboro, Mass. Lighter or the like. 121,021; June 11.
Reinecke, Jean O., assignor to The Bell & Howell Company, Chicago, Ill. Photographic camera case. 121,022; June 11.
Richman, Ruth, New York, N. Y. Dress ensemble. 121,060; June 11.
Roberts, Henry T., Barrington, assignor to J. P. Seeburg Corporation, Chicago, Ill. Cabinet for a loud speaker. 121,023; June 11.
Robinson, Grace C., New York, N. Y. Wrapping paper. 121,050; June 11.
Sampsel, Arthur V., assignor to Sampsel Time Control, Inc., Mendota, Ill. Air conditioning control. 121,001; June 11.
Sampsel Time Control, Inc. (See Sampsel, Arthur V., assignor.)
San Francisco Bay Exposition. (See Cavagnaro, Milton D., assignor.)
Sayre, Mark E., Westlake, Oreg. Shaving cup. 120,978; June 11.
Schepp, William J., Ridgewood, N. J. Cleansing film dispenser or similar article. 121,002; June 11.
Seeburg, J. P., Corporation. (See Roberts, Henry T., assignor.)
Shander, Benjamin, Philadelphia, Pa. Blouse. 121,056; June 11.
Simon, Irwin B., San Francisco, Calif. Ribbon fabric. 121,057; June 11.
Specialties Development Corporation. (See Grant, Harry C., Jr., assignor.)
Stevens, Harriet S., Chicago, Ill. Toy bed. 121,003; June 11.
Tabin-Picker & Company. (See Gentile, Robert S., assignor.)
Tang, Margaret H., New York, N. Y. Bead or similar article. 121,024; June 11.
Tillman, Abe, New York, N. Y. Woven textile fabric. 121,042; June 11.
Tisch, Frank, New York, N. Y. Dress. 121,025; June 11.
Townsley, Malcolm G., assignor to The Bell & Howell Company, Chicago, Ill. Photographic exposure meter case. 121,026; June 11.
Vandenborre, Rene, New York, N. Y., assignor to Parker Brothers, Incorporated, Salem, Mass. Game device. 121,004; June 11.
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 120,979; June 11.
Villasenor, David V., assignor to L. G. Griffith, Los Angeles, Calif. Textile fabric or similar article. 121,043; June 11.
Walker, George W., Detroit, assignor to Lonergan Manufacturing Company, Albion, Mich. Cabinet for space heaters or the like. 121,027; June 11.
Walker, George W., Detroit, assignor to Lonergan Manufacturing Company, Albion, Mich. Cabinet for space heaters or the like. 121,028; June 11.
Walker, George W., Detroit, assignor to Lonergan Manufacturing Company, Albion, Mich. Cabinet for space heaters or the like. 121,029; June 11.
Walker, George W., Detroit, assignor to Lonergan Manufacturing Company, Albion, Mich. Cabinet for space heaters or the like. 121,030; June 11.
Walther, John L., New York, N. Y. Textile fabric. 121,051; June 11.
Ward, Lawrence T., East Orange, N. J. Siphon. 121,052; June 11.
Waterbury Buckle Company, The. (See La Vigne, Jerome R., assignor.)
Watson-Stillman Co., The. (See Farley, Francis S., assignor.)
Weston, Alexander S., New York, N. Y. Combined cigar lighter display and stand. 120,980; June 11.
Wright, Russel, New York, N. Y. Vending machine. 121,005; June 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abegg, Walter A., assignor of one-half to B. Reinhold, Los Angeles, Calif. Rotary table bushing. 2,204,112; June 11.
Acken, Marshall F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Crystallizing organic explosive compounds. 2,204,059; June 11.
Adlake Company, The. (See Stewart, Lemuel L., assignor.)
Agramonte, Jules. (See De Roo, W. C., Schwarz, and Agramonte.)
Agulnek, Harry, assignor to S. Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y. Knitting machine. 2,203,711; June 11.
Ainsworth, Albert A., Ossining, N. Y. Mounting for cards, photographs, and the like. 2,204,098; June 11.
Air Reduction Company. (See Anderson, James L., assignor.)
Air Reduction Company. (See Balcar, Frederick R., assignor.)
Aitken, Roger G., McMasterville, Quebec, and C. J. S. Warrington, Westmount, Quebec, assignors to Canadian Industries Limited, Montreal, Quebec, Canada. Warning agent for poisonous gases. 2,203,764; June 11.
Akers, Charles B., Akron, Ohio. Sectional casing construction. 2,203,808; June 11.
Aktiebolaget Formator. (See Granstedt, Karl E., assignor.)
Aktiebolaget Gerk. Arehns Mekaniska Verkstad. (See Danielsson, Paul, assignor.)
Aktiengesellschaft für Drahtlose Technische Studien. (See Keller, Curt, assignor.)
Albers, John R., assignor to Wincharger Corporation, Sioux City, Iowa. Mounting for wind charging units. 2,204,462; June 11.
Albright, Sterling W., Racine, Wis. Hacksaw. 2,204,390; June 11.
Alkan, Robert, Paris, France. Automatic steering device. 2,204,290; June 11.
Allen-Bradley Company. (See Megow, G. E., and Thomson, assignors.)
Allen, Edward N., and R. L. Hinckley, Springfield, Mass. Outlet box closure. 2,204,006; June 11.
Allen, Joseph W., assignor to Eclipse Aviation Corporation, East Orange, N. J. Indicating mechanism. 2,204,463; June 11.
Allen, Raymond P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Calcium silicate and preparing the same. 2,204,113; June 11.
Allen, Victor O., Madison, N. J., assignor to Radio Corporation of America. Cathode for electron discharge devices. 2,204,391; June 11.
Allgrunn, Carl G., Middleport, assignor to "Friend" Manufacturing Company, Gasport, N. Y. Dusting apparatus. 2,204,099; June 11.
American Broach and Machine Company. (See Lapointe, Francis J. and E. J., assignors.)
American Cyanamid Company. (See Christmann, L. J., and Foster, assignors.)
American Cyanamid Company. (See Ham, Garnet P., assignor.)
American Hard Rubber Company. (See Kugler K., assignor.)
American Hardware Corporation, The. (See Dyson, Louis M., assignor.)
American Laundry Machinery Company. (See Gerlach, Frank A., assignor.)
American Machine & Foundry Company. (See Leary, James W., assignor.)
American Smelting and Refining Company. (See Lindner, Karl A., assignor.)
American Steel and Wire Company of New Jersey, The. (See Wilkoff, Howard M., assignor.)
American Stove Company. (See Meacham, Edward M., assignor.)
American Voith Contact Co. Inc. (See Thaler, Wilhelm, assignor.)
Andersen, Joakim U. F., Charlottenlund, near Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y. Self-synchronous control system. 2,203,854; June 11.
Anderson, Christ, assignor of one-third to C. A. Willman and one-third to R. Muskatt, Ontonagon, Mich. Toothpick dispenser. 2,203,765; June 11.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus and method of forming and welding tubes. 2,203,855; June 11.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning system utilizing refrigeration. 2,204,114; June 11.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Adjustable paper stop for accounting machines. 2,204,242; June 11.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Paper carriage for accounting machines. 2,204,243; June 11.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,204,060; June 11.
Andrieu, Robert, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulator circuit. 2,204,061; June 11.
Animatagraph Corporation Limited. (See Musaphia, Georges, assignor.)
Aoyagi, Suesaburo. Hilo, Hawaii. Massaging device. 2,203,976; June 11.
Applebaum, Samuel B., assignor to The Permutit Company, New York, N. Y. Water deaerator and purifier. 2,204,062; June 11.
Arm, Frederick E., Brooklyn, assignor of one-half to M. Mastowski, New York, N. Y. Hose and pipe coupler. 2,204,392; June 11.
Armour and Company. (See Raison, A. W., Harwood, and Hopkins, assignors.)
Armstrong, Edwin H., New York, N. Y. Radio transmitting system. 2,203,712; June 11.
Armstrong, Hugh, Maryville, Mo. Seed harvester. 2,204,115; June 11.
Art Steel Company. (See Bergman, Ed., assignor.)
Ashaway Line & Twine Manufacturing Company. (See Crandall, Julian T., assignor.)
Ashton, Philip E., assignor to The Cuno Engineering Corporation, Meriden, Conn. Cigar lighter. 2,203,662; June 11.
Ashworth, Harry E., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,203,888; June 11.
Askania-Werke A. G. (See Wünsch, Guido, assignor.)
Associated Electric Laboratories, Inc. (See Geitgey, Irvin, assignor.)
Associated Press, The. (See Vega, Paul E., assignor.)
Association of American Railroads. (See Cooper, L. H., and Nightingale, assignors.)
Association of American Railroads. (See Nightingale, William J.)
Athletic Shoe Company, The. (See Shapiro, Isadore, assignor.)
Atlantic Research Associates, Inc. (See Atwood, Francis C., assignor.)
Atwater, Karl W., Pittsburgh, Pa. Automatic lubrication device. 2,204,171; June 11.
Atwood, Francis C., Newton, Mass., assignor to Atlantic Research Associates, Inc., Wilmington, Del. Producing clean wet-ground mica. 2,204,063; June 11.
Atwood, Winfield A., Yeadon, Pa., assignor to General Electric Company. Auxiliary switch. 2,204,393; June 11.
Auston, Ellsworth W., assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Earth mover. 2,203,713; June 11.
Auston, Ellsworth W., assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Earth mover. 2,204,033; June 11.
Automatic Control Corporation. (See Persons, Lawrence M., assignor.)
Automatic Power Transmission Company. (See Schlote, Guido F., assignor.)
Automatic Telephone & Electric Company. (See Williams, Merrel O., assignor.)
Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Sash holder mechanism. 2,204,464; June 11.
B. S. A. Tools Limited. (See Ogilvie, William, assignor.)
Babcock & Wilcox Company, The. (See Moore, W. T., Cassidy, Hardgrove, and Kerr, assignors.)
Babcock & Wilcox Company, The. (See Savoye, Charles U., assignor.)
Baer, Harry A. D., Allentown, Pa. Blade holder. 2,203,714; June 11.
Baer, Howard, Jersey City, N. J., and M. J. Finnegan, New York, N. Y., assignors to Eclipse Aviation Corporation, East Orange, N. J. Measuring instrument. 2,203,766; June 11.

Baier, Anton, Munich, Germany. Device for adjusting the Roentgen ray cone by means of an auxiliary lamp. 2,204,465; June 11.

Baier, Otto, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Electric discharge device. 2,204,204; June 11.

Bailey, Edward A., West Caldwell, N. J., assignor to General Electric Company. Air conditioning system. 2,204,394; June 11.

Bailey Meter Company. (See Johnson, Clarence, assignor.)

Baily, Robert W., Narberth, Pa. Apparatus for multiphase vibration. 2,204,007; June 11.

Balcar, Frederick R., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Producing chlorine. 2,204,172; June 11.

Balcar, Otto, Cedar Rapids, Iowa. Rail joint. 2,204,395; June 11.

Baldsiefen, Walter D., Metuchen, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Antihalation photographic element. 2,203,767; June 11.

Baldsiefen, Walter D., Metuchen, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Antihalation photographic element. 2,203,768; June 11.

Balle, Gerhard. (See Steindorff, A., Balle, Heimke, and Horst.)

Barco Corporation. (See Barley, Albert C., Jr., assignor.)

Barium Reduction Corporation. (See Specht, Randolph C., assignor.)

Barley, Albert C., Jr., Portland, assignor to Barco Corporation, Detroit, Mich. Punching or cutting impregnated fabrics. 2,203,937; June 11.

Barnes, Howard T., assignor to G. F. Foss, Montreal, Quebec, Canada. Mixture applicable to tires, footwear, or the like to prevent skidding. 2,204,466; June 11.

Barnes, James L., Fostoria, Ohio. Optical instrument. 2,204,291; June 11.

Barnes, Walter C., Lake Bluff, and H. W. Keevil, Highland Park, Ill. Magnetic clamp. 2,204,396; June 11.

Barrett, Edward L., La Grange, assignor to Barrett Engineering Company, Chicago, Ill. Amusement device. 2,204,397; June 11.

Barrett, Edward R., Detroit, Mich., assignor to Gar Wood Industries, Inc. Fluid control system. 2,203,938; June 11.

Barrett, Edward R., Detroit, Mich., assignor to Gar Wood Industries, Inc. Fluid control system. 2,203,939; June 11.

Barrett Engineering Company. (See Barrett, Edward L., assignor.)

Barth, Gustav, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Direction indicating means. 2,204,292; June 11.

Batten, Percy H., and D. W. Morris, assignors to Twin Disc Clutch Company, Racine, Wis. Clutch. 2,204,337; June 11.

Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)

Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Pyroxylin wafer for attaching heels and heelbreast flaps. 2,203,769; June 11.

Beard, Joseph W., Durham, N. C. Equine encephalomyelitis vaccine. 2,204,064; June 11.

Beason, Edward E., Kansas City, assignor to J. H. Peters, Independence, Mo. Door construction. 2,203,856; June 11.

Beatson, William, Long Branch, N. J. Frying pan. 2,204,467; June 11.

Beaver, Hartsell W., Statesville, N. C. Lawn mower sharpener. 2,204,293; June 11.

Bechtold, Ira C., Colton, assignor to California Portland Cement Company, Los Angeles, Calif. Manufacture of Portland cement. 2,203,809; June 11.

Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. High frequency signal responsive control system. 2,203,857; June 11.

Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Tuning indicator system for radio receiving apparatus and the like. 2,204,398; June 11.

Belzer, Harold H., Camden, and W. E. Newman, Moorestown, N. J., assignors to Radio Corporation of America. Motor driven tuning system. 2,204,065; June 11.

Bell, Alfred B., assignor to Heywood-Wakefield Company, Gardner, Mass. Armrest support. 2,204,205; June 11.

Bell Telephone Laboratories, Incorporated. (See Gleason, Daniel H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hoyt, Frederick A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hulin, Lynford S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Knoop, William A., assginor.)

Bell Telephone Laboratories, Incorporated. (See Skellett, Albert M., assignor.)

Bellamy, John I. (See Sloan, W. E., and Bellamy.)

Below, Fritz. (See Möller, R., and Below.)

Bender, Charles P., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Fluid discharge device. 2,204,524; June 11.

Bendix Aviation Corporation. (See Heintz, Ralph M., assignor.)

Bendix Aviation Corporation. (See Nardone, Romeo M., assignor.)

Bendix Radio Corporation. (See Seright, Carl G., assignor.)

Bendix-Westinghouse Automotive Air Brake Company. (See Eaton, Wilfred A., assignor.)

Bendix-Westinghouse Automotive Air Brake Company. (See Ralston, James V., assignor.)

Benecke, Heinrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Loud-speaker arrangement. 2,203,715; June 11.

Beniers, Emil. (See Wolff, P., and Beniers.)

Benner, Raymond C., and G. J. Easter, assignors to The Carborundum Company, Niagara Falls, N. Y. Refractory and making it. 2,203,770; June 11.

Bennett, Arthur, San Francisco, Calif. Automatic tape-applying machine. 2,203,977; June 11.

Bennett, Willard H., assignor to Electronic Research Corporation, Newark, Ohio. Electrical inverter. 2,203,663; June 11.

Bennett, William B., Seagraves, assignor of one-half to W. Shaw, Los Angeles, Calif. Planter box. 2,203,771; June 11.

Benninghofen, Paul, et al. (See Katz, R., and Waechter, assignors.)

Benson, Bernhart A., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Washing machine. 2,203,664; June 11.

Bergman, Ed, New York, assignor to Art Steel Company, Inc., Bronx, N. Y. Sectional cabinet. 2,203,716; June 11.

Bergmann, Richard F., Lakewood, C. C. Walters, Cleveland, and F. J. Samerdyke, Rocky River, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Drive mechanism for twister frames. 2,203,665; June 11.

Berlin, Ludwig W. (See Schlichenmaier, H., and Berlin.)

Berry, Wilbert P., Kansas City, Kans. Steering system for automobiles. 2,203,810; June 11.

Berryman, Grover C., Los Angeles, Calif. Forming pneumatic tires. 2,204,468; June 11.

Bertran, Benjamin E., assignor of one-half to J. A. Bertran, Los Angeles, Calif. Shoring bell bottom pile holes. 2,203,978; June 11.

Bertran, Josie A. (See Bertran, Benjamin E., assignor.)

Bilhuber, E., Inc. (See Hildebrandt, Gustav, assignor.)

Birdseye, Clarence, and P. Deren, assignors, by mesne assignments, to Birdseye Electric Corporation, Gloucester, Mass. Reflecting electric lamp. 2,204,399; June 11.

Birdseye Electric Corporation. (See Birdseye, C., and Deren, assignors.)

Birkhofer, John J., Newark, assignor to The Kroydon Co. Inc., Maplewood, N. J. Ski pole construction. 2,204,469; June 11.

Bishop, G. F., San Francisco, Calif., and A. F. Moyer, Minneapolis, Minn., assignors, by mesne assignments, to Toro Manufacturing Corporation of Minnesota. Power gang and lawn mower. 2,204,244; June 11.

Blain, Albert, Philadelphia, Pa., assignor to Radio Corporation of America. Radio apparatus. 2,203,811; June 11.

Blanchard, Arthur D., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Exhaust pipe. 2,204,924; June 11.

Blank, Charles E., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Safety device. 2,204,338; June 11.

Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Power system. 2,203,717; June 11.

Bliss, E. W., Company. (See Nash, Leonard W., assignor.)

Blocher, Charles M., North Manchester, Ind. Safety-lock equipped coupling pin. 2,204,116; June 11.

Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Guard arrangement for machine tools. 2,203,979; June 11.

Boardman Company, The. (See Whitlock, Harold W., assignor.)

Boller, Ernest R., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preservation of fibrous cellulosic material. 2,204,066; June 11.

Bolser, Clark M., Cedar Falls, Iowa. Signal light. 2,204,525; June 11.

Bonotto, Michele, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del. Method and mechanism for continuously forming liquid-impervious plugs in extraction units. 2,203,666; June 11.

Booty, Philip C. P., Chicago, assignor of one-third to W. E. O'Neil and one-third to L. D. Winters, Evanston, Ill. Carburetor. 2,203,858; June 11.

Bossert Company, The. (See Clement, Walter J., assignor.)

Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,204,470; June 11.

Bower, Eugene, Angola, N. Y. Seed planter. 2,204,245; June 11.

Bowles, Albert F., Philadelphia, assignor to Reilly-Whiteman-Walton Company, Conshohocken, Pa. Alkylated phenols and producing them. 2,204,339; June 11.

Bowser, Percy L. (See Flammang, J., and Bowser.)

Bowser, Percy L., Jr., assignor to The Sterling Corporation, St. Louis, Mo. Melting furnace. 2,204,173; June 11.

Boyce, Leonard D., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor step-up device. 2,204,526; June 11.

Boyce, Leonard D., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor step-up control. 2,204,527; June 11.

Brackett, James H., Pasadena, Calif. Apparatus for folding sheets of fabric and the like. 2,204,268; June 11.

Brackett, Tracy F., assignor to General Motors Corporation, Detroit, Mich. Spraying machine. 2,203,940; June 11.

Bradshaw, John R., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Releasable floating valve. 2,204,340; June 11.

Brammer, Harry, Leeds, England. Driving belt. 2,204,117; June 11.

Breitenstein, Charles J., and F. G. Nicolaus, assignors to R. T. Moloney, Chicago, Ill. Rotary spinner switch. 2,203,889; June 11.

Brendlin, Adolf, Knapsack, Bezirk Cologne, Germany. High pressure membrane. 2,203,859; June 11.

Briggs & Stratton Corporation. See Fitz Gerald, John W., assignor.)

Briggs & Stratton Corporation. See Mack, Perry E., assignor.)

Britton, Edgar C., and J. E. Livak, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of coumarin. 2,204,008; June 11.

Brockman, Robert H., St. Petersburg, Fla. Dental pulp tester. 2,204,295; June 11.

Brogden, Ernest M., Orland, Fla., assignor to Bank of The Manhattan Company, trustee, New York, N. Y. Merchandising package. 2,204,118; June 11.

Bromley, Wayne K. (See Minor, Joseph H., assignor.)

Brooks, Ernest A., Baltimore, Md. Scupper plug. 2,204,400; June 11.

Brooks, Herbert, Yeovil, assignor to Petters Limited, Yeovil, Somerset, England. Scavenging of the cylinders of two-stroke internal combustion engines. 2,204,296; June 11.

Brooks, James A., Minneapolis, Minn. Lawn edger. 2,204,246; June 11.

Browall, Bert H., Malmo, Sweden, and L. Scheib, Kaiserslautern, Germany, assignors to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Automatic slack adjustor for vehicle brakes, especially railway car brakes. 2,203,890; June 11.

Brown, Charles L., Jr. (See Lofgren, G. E., and Brown.)

Brown, Kenneth F., Burbank, assignor to National Cable & Metal Co., Glendale, Calif. Battery terminal clamp. 2,204,269; June 11.

Brown, Maude E., St. Paul, Minn. Pan lifter. 2,203,812; June 11.

Bruker, Hobart W., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Cutting machine. 2,204,067; June 11.

Brunk, Harold J., Chicago, Ill., assignor to The C. F. Pease Company. Distributing light uniformly. 2,204,297; June 11.

Brunner, Ernest J., Eugene, Oreg., deceased; M. C. Brunner, administratrix. Bulldozer mounting. 2,203,941; June 11.

Brunner, Marie C., administratrix. (See Bruner, Ernest J.)

Brunner, Reed R., Chevy Chase, Md., assignor to United Air Lines Transport Corporation, Chicago, Ill. Direction finding apparatus. 2,204,206; June 11.

Brunswig, Heinrich, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Direction finding system. 2,204,174; June 11.

Brush Beryllium Company, The. (See Kjellgren, B. R. F., and Sawyer, assignors.)

Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Insecticidal agent. 2,204,009; June 11.

Buechmann, Frederick, St. Albans, N. Y. Recording instrument. 2,203,667; June 11.

Buffalo Forge Company. (See Stone, Stanley H., assignor.)

Burch, Donald D., Tulsa, Okla. Process and apparatus for treating liquids. 2,203,718; June 11.

Burckhalter, Robert N., assignor to Michiana Products Corporation, Michigan City, Ind. Oil filter. 2,203,668; June 11.

Burgess, Ernest A., Los Angeles, Calif. Water motor. 2,203,813; June 11.

Burns, Erwin. (See Wickersham, Harry P., assignor.)

Burnside, James H., 2nd, assignor, by mesne assignments, to Circuit Breakers, Inc., New York, N. Y. Circuit breaker. 2,204,528; June 11.

Burrows, Frederick W. (See Jenkins, J. F., and Burrows.)

Burt, Robert V., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Continuous mixing of viscous materials. 2,203,980; June 11.

Burtenshaw, George H., Taumarunui, New Zealand. Denture demonstrating apparatus. 2,203,891; June 11.

Butler, Frank D., United States Navy. Internal combustion engine charge-forming device. 2,203,669; June 11.

Butler, Fred., assignor to F. C. McClelland, Chicago, Ill. Air conditioning apparatus. 2,204,401; June 11.

Buzzard, Robert W., Kensington, Md. Treating electrolytic coatings on magnesium and its alloys. 2,203,670; June 11.

Byer, Gertrude E. (See Parsons, R. V., and Wilcox, assignors.)

California Portland Cement Company. (See Bechtold, Ira C., assignor.)

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Lubricator. 2,204,119; June 11.

Campbell, James L., Jr., and H. M. Dorsey, Jr., Atlanta, Ga. Combination bottle closure and liquid dispenser. 2,204,471; June 11.

Canadian Industries Limited. (See Aitken, R. G., and Warrington, assignors.)

Canfield, Gerald L. (See Rankin, Armand T., assignor.)

Caquot, Albert L., Paris, France. Vibrating device. 2,204,472; June 11.

Carborundum Company, The. (See Benner, R. C., and Easter, assignors.)

Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)

Carlisle, George L., assignor, by mesne assignments, to Railway and Industrial Engineering Company, Greensburg, Pa. Fuse cutout. 2,204,298; June 11.

Carlisle, George L., assignor, by mesne assignments, to Railway and Industrial Engineering Company, Greensburg, Pa. Repeater circuit breaker. 2,204,299; June 11.

Carlisle, George L., assignor, by mesne assignments, to Railway and Industrial Engineering Company, Greensburg, Pa. Fused cutout. 2,204,300; June 11.

Carlson, Bert G., Freeport, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Airplane automatic pilot. 2,203,671; June 11.

Carlson, Warner W. (See Stahly, G. L., and Carlson.)

Carney, Clifford R., Miami, Fla., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Ice cube remover. 2,203,892; June 11.

Carroll, Jerome J., Chicago, Ill. Storage filing box. 2,204,540; June 11.

Carter Carburetor Corporation. (See Boyce, Leonard D., assignor.)

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna system. 2,204,175; June 11.

Carwardine, George, Bath, assignor of one-half to Herbert Terry & Sons Limited, Redditch, England. Elastic force and equipoising mechanism. 2,204,301; June 11.

Cassidy, Perry R. (See Moore, W. T., Cassidy, Hardgrove, and Kerr.)

Catholic Diocese of Green Bay. (See Steinmetz, George, assignor.)

Celanese Corporation of America. (See Dingley, R. McV., and Dickie, assignors.)

Celanese Corporation of America. (See Seymour, G. W., and White, assignor.)

Chamberlain, Alfred J., Wauwatosa, Wis. Dispensing container. 2,204,176; June 11.

Chandler & Price Company, The. (See Jirousek, Joseph F., assignor.)

Chapman, Arthur J., assignor of three-tenths to C. I. Eshleman and two-tenths to R. B. Ryland, Wheeling, W. Va. Golf club. 2,203,893; June 11.

Chapman, Charles W., assignor to F. Perkins Limited, Peterborough, England. Internal-combustion engine of the fuel-injection compression-ignition type. 2,204,068; June 11.

Chase Brass & Copper Co. Incorporated. (See King, J. E., and Hale, assignors.)

Chester, Frank R., assignor to F. R. Chester, Corporation, Seattle, Wash. Power driven liquefier. 2,203,672; June 11.

Chester, Frank R., Corporation. (See Chester, Frank R., assignor.)

Chicago Electric Manufacturing Company. (See Benson, Bernhart A., assignor.)

Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)

Chicago Forging & Manufacturing Co. (See Peterson, Arthur E., assignor.)

Christmann, Ludwig J., Bronxville, and G. H. Foster, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Manufacture of melamine and its deamination products. 2,203,860; June 11.

Chrsiyer Corporation. (See Neeson, Charles R., assignor.)

Cincinnati Milling Machine Company, The. (See Romaine, Millard, assignor.)

Cincinnati Milling Machine Company, The. (See Vancil, E. D., and Hawley, assignors.)

Circuit Breakers, Inc. (See Burnside, James H., 2nd., assignor.)

Clark Equipment Company. (See Gettig, J. H., and Spatta, assignors.)

Clark, Herbert D. (See Hoover, A. H., and Clark.)

Clement, Walter J., New Hartford, assignor to The Bossert Company, Inc., Utica, N. Y. Metal trap for hammer mills. 2,204,069; June 11.

Clements Mfg. Co. (See Clements, William J., assignor.)

Clements, William J., assignor to Clements Mfg. Co., Chicago, Ill. Air control system for vehicles. 2,203,814; June 11.

Cleveland Graphite Bronz Company, The. (See Edwards, George, assignor.)

Cleveland Rock Drill Company, The. (See Feucht, Albert, assignor.)

Cobb, Henry P., Harrow Weald, assignor to Courtaulds Limited, London, England. Crimping threads, filaments, and the like. 2,204,341; June 11.
Coberly, Clarence J., Los Angeles, Calif., assignor to RoKo Corporation, Reno, Nev. Liquid operated motor. 2,204,120; June 11.
Coburn, Clifton R., Youngstown, Ohio, assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Handling magnetizable plates and apparatus therefor. 2,204,207; June 11.
Colaiuca, Leonardo, Somerville, N. J. Game apparatus. 2,204,473; June 11.
Cole, Nelson E. (See Heasley, L. E., and Cole.)
Coleman, Orville K., Mineola, N. Y., assignor to The Rattan Manufacturing Company, New Haven, Conn. Cable hanger. 2,204,121; June 11.
Colgate-Palmolive-Peet Company. (See Muncie, F. W., and Russell, assignors.)
Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Surface-protective apparatus. 2,204,122; June 11.
Collins, Paul F., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Pattern for castings. 2,204,123; June 11.
Columbus Dental Manufacturing Company, The. (See Collins, Paul F, assignor.)
Commonwealth Engineering Corporation. (See Stahly, G. L., and Carlson, assignors.)
Compagnie du Chemin de Fer Metropolitain de Paris. (See Levin, Rémey F. O., assignor.)
Compo Shoe Machinery Corporation. (See Smith, John F., assignor.)
Conant, Margaret, Kansas City, Kans. Electric current rectifier. 2,204,010; June 11.
Condon, Ernest E., Flushing, N. Y. Bumper guard. 2,203,942; June 11.
Continental Oil Company. (See Lincoln, B. H., and Steiner, assignors.)
Continental Roll & Steel Foundry Company. (See Leckrone, Roy J., assignor.)
Cook, Charles B., Los Angeles, Calif. Box treating apparatus. 2,204,011; June 11.
Cook, Charles B., Los Angeles, Calif. Air conditioning apparatus. 2,204,012; June 11.
Cook, Edgar N., West Hollywood, Calif. Sanitary toilet seat. 2,204,100; June 11.
Cook, Ernest W. (See Iftiger, H. J., and Cook.)
Cooke, Donald D., New York, N. Y. Marking of aircraft landing areas. 2,203,894; June 11.
Cooley, Austin G., assignor to Wide World Photos, Inc., New York, N. Y. Coupling device for signal transmission and receiving systems. 2,204,529; June 11.
Cooper, Kenneth K., Fort Wayne, Ind., assignor to General Electric Company. Dynamo-electric machine. 2,204,402; June 11.
Cooper, Lawson H., and W. J. Nightingale, Flint, Mich., assignor, by mesne assignments, to H. J. Forster, trustee for the Association of American Railroads. Automobile loading frame. 2,204,034; June 11.
Copenhaver, John W. (See Russell, A., and Copenhaver.)
Cordier, David E., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Formaldehyde-urea molding composition. 2,203,772; June 11.
Cordier, David E., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Formaldehyde-urea molding composition. 2,203,773; June 11.
Cornell Machine Company, The. (See Cornell, Mead, assignor.)
Cornell, Mead, assignor to The Cornell Machine Company, Cleveland, Ohio. Treating process. 2,203,673; June 11.
Cornelissen, Arnold J., Buffalo, N. Y. Vehicle wheel. 2,203,774; June 11.
Coultas, Wilbur, J., assignor to Deere & Company, Moline, Ill. Hitch connection. 2,203,981; June 11.
Coultas, Wilbur J., and C. J. Frederiksen, assignors to Deere & Company, Moline, Ill. Cutting apparatus. 2,203,982; June 11.
Courtaulds Limited. (See Cobb, Henry P., assignor.)
Cowling, Richard J., Cleveland, Ohio. Forming, refrigerating, and harvesting frozen bodies. 2,204,474; June 11.
Crago, Harry R., Caldwell, N. J., assignor to General Electric Company. Method of and apparatus for cooling. 2,204,403; June 11.
Craig, Burnie J., Los Angeles County, Calif. Latch for automotive vehicle doors. 2,204,208; June 11.
Crandall, Julian T., assignor to Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Spindle for winding machines. 2,204,475; June 11.
Crane, Samuel G., assignor of one-half to E. B. Leaverton, Omaha, Nebr. Electrothermal motor. 2,203,719; June 11.
Crickmer, Charles S. (See Glitsch, H. C., and Crickmer.)
Crockett, Guy S., Moreland Hills, Ohio. Steering device. 2,204,070; June 11.
Cromartie, George G. (See Slack, C. M., and Cromartie.)
Crompton & Knowles Jacquard & Supply Company. (See Foster, Herbert V., assignor.)
Crompton & Knowles Loom Works. (See Patrick, Joseph M., assignor.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Back-to-back receiver. 2,204,342; June 11.
Cuno Engineering Corporation, The. (See Ashton, Philip E., assignor.)
Cuozzo, Michele, Lynn, Mass., assignor to United Machinery Corporation, Borough of Flemington, N. J. Breast flap molding machine. 2,203,775; June 11.
Curtis-Wright Corporation. (See Wells, Willis L., assignor.)
Czefra, George, Chicago, Ill. Wringer feed. 2,204,302; June 11.
Dahl, Otto, and S. D. Osborn, Spokane, Wash. Filter pack and method of and apparatus for making same. 2,203,815; June 11.
Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)
Daisy Manufacturing Company. (See McHenry, John J., assignor.)
Dale, Clarence R., assignor to Dale Service Corporation, Los Angeles, Calif. Apparatus for detecting water intrusion in boreholes. 2,203,720; June 11.
Dale Service Corporation. (See Dale, Clarence R., assignor.)
Dalley, Charles J., Maplewood, N. J. Pinking shears. 2,204,071; June 11.
Danielsson, Paul, assignor to Aktiebolaget Gerk. Arehns Mekaniska Verkstad, Stockholm, Sweden. Fish-cleaning machine. 2,204,124; June 11.
Danils, Nils, Goteborg, Sweden. Air filtering apparatus. 2,203,776; June 11.
Dart, William F., Mason, Mich. Refrigerator latch. 2,204,053; June 11.
Dashefsky, George J., Rockville Centre, N. Y. Mathematical instrument. 2,203,674; June 11.
Davenport, Edmund S., Chatham, N. J., and E. H. Engel, Vandergrift, Pa., assignors to United States Steel Corporation. Heat treating steel and the metallurgical product produced thereby. 2,204,209; June 11.
Davidson, Glenn. (See Lofgren, Frederick V., assignor.)
Davies, George M. (See Knowlton, C. H., and Davies.)
Davis and Thompson Company. (See Davis, Frank M., assignor.)
Davis, Charles R., Rochester, N. Y. Burglar resisting safe. 2,203,675; June 11.
Davis, Frank K., Silver Spring, Md., assignor to Underwood Elliott Fisher Company, New York, N. Y. Manifolding typewriting machine. 2,204,247; June 11.
Davis, Frank M., Milwaukee, assignor to Davis and Thompson Company, West Allis, Wis. Machine tool spindle mounting. 2,203,943; June 11.
Davis, Herbert L., Atlanta, Ga. No-punch binder. 2,203,676; June 11.
Davis, James H., R. P. Koehring, and J. T. Marvin, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Sintering porous metal objects. 2,203,895; June 11.
Dawson, Arla R. (See Glorfield, Edward, assignor.)
Dawson, Melville P., Outremont, Quebec, assignor of sixty per cent to P. J. Dunlop, Timmins, Ontario, Canada. Adjustable bedpan. 2,204,343; June 11.
Dayton, James M., Torrington, Conn. Fishing reel. 2,204,125; June 11.
Dazey Churn & Manufacturing Company. (See Kublin, Frederick W., assignor.)
Dean, John G., Birmingham, N. J., assignor to The Permutit Company, New York, N. Y. Separation of isotopes. 2,204,072; June 11.
De Boer, Jan H., W. Elenbaas, E. G. Dorgelo, and H. J. Lemmens, Eindhoven, Netherlands, assignors to General Electric Company. Electric incandescent lamp. 2,203,896; June 11.
Decker, Blythe, Princeton, Ind. Vibrator head rest. 2,204,035; June 11.
Deem, Arden G., Champaign, Ill., and W. A. Lazier, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of aromatic nitriles. 2,203,861; June 11.
Deere & Company. (See Coultas, Wilbur J., assignor.)
Deere & Company. (See Coultas, W. J., and Frederiksen, assignors.)
Deere & Company. (See Silver, Walter H., assignor.)
Dearf, Ada, Coney Island, N. Y. Cigarette and cigar holder attachment. 2,203,816; June 11.
Degenhard Graf von Wurmbrand-Stuppach. (See Insam, Theodor, assignor.)
De Graaff, Antonius, Eindhoven, Netherlands, assignor to General Electric Company. Electric incandescent lamp. 2,203,897; June 11.
De Haes, Jerome, Chicago, Ill. Current control clock. 2,203,944; June 11.
Delamere Company. (See Huppert, William, assignor.)
De Phillips, Henry A., New York, N. Y. Composition for sound recording disks. 2,203,983; June 11.
Deren, Pincus. (See Birdseye, C., and Deren.)
De Roo, William C., and B. A. Schwartz, Kokomo, Ind., and J. Agramonte, Birmingham, assignors to General Motors Corporation, Detroit, Mich. Radio antenna. 2,203,945; June 11.
Derrickson, Carl H. (See Leatherman, Clarence M., assignor.)
Despatch Shops, Inc. (See Steuber, George A., assignor.)
Deters, John A. L., Chicago, Ill. Indicating and measuring instrument. 2,203,984; June 11.

Detmers, Fred E., Los Angeles, Calif. Combination accelerator and brake control for vehicles. 2,203,777; June 11.
Detroit Harvester Company. (See Wagner, Robert W., assignor.)
Deutsche Werke Kiel Aktiengesellschaft. (See Zwilling, Theodor, assignor.)
Devereaux, Anthony P. (See Gray, J. E., Devereaux and Parker.)
De Vries, Reinier W. P., Eindhoven, Netherlands, assignor to General Electric Company. Luminescent material. 2,203,898; June 11.
Dewhirst, Paul A. (See Hamer, Leland S., assignor.)
Dickie, William A. (See Dingley, R. McV., and Dickie.)
Dickinson, George H., et al. (See Lampkin, Elbert H., assignor.)
Dickinson, Wilfred, et al. (See Lampkin, Elbert H., assignor.)
Diesbach, Fritz G., et al. (See Katz, R., and Waechter, assignors.)
Di Filippo, Abramo, Washington, D. C. Baffle for furnaces. 2,204,036; June 11.
Dingley, Robert McV., and W. A. Dickie, Spondon, Near Derby, England, assignors to Celanese Corporation of America. Crepe yarn and the manufacture thereof. 2,203,721; June 11.
Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Surge valve for hydraulic presses. 2,204,270; June 11.
Ditto, Marvin W., assignor to Emulsions Process Corporation, New York, N. Y. Producing steel. 2,203,778; June 11.
Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Cutter chain. 2,204,344; June 11.
Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,204,248; June 11.
Dodge Emulsor Corporation. (See Dodge, John D., assignor.)
Dodge, John D., assignor to Dodge Emulsor Corporation, Detroit, Mich. Rotor construction for rotary pumps. 2,204,073; June 11.
Doescher, Joe E., assignor to D. E. Makepeace Company, Attleboro, Mass. Heat-treating wire. 2,203,946; June 11.
Domke, Fred E., assignor to W. H. Hutchinson & Son, Inc., Chicago, Ill. Machine for feeding, counting, and packaging articles. 2,204,126; June 11.
Domke, Fred E., assignor to W. H. Hutchinson & Son, Inc., Chicago, Ill. Distributing mechanism. 2,204,127; June 11.
Dorgelo, Eduard G. (See de Boer, J. H., Elenbaas, Dorgelo, and Lemmens.)
Dorman, Kenneth L., Grand Rapids, Mich. Radio antenna. 2,203,985; June 11.
Dorph, Kurt W. F., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of hyposulphites. 2,204,476; June 11.
Dorsey, Hugh M., Jr. (See Campbell, J. L., Jr., and Dorsey.)
Dow Chemical Company, The. (See Britton, E. C., and Livak, assignors.)
Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive. 2,203,677; June 11.
Driggs, Ivan H., Towson, assignor to The Glenn L. Martin Company, Baltimore, Md. Aircraft construction. 2,204,404; June 11.
Duffies, Stanley B. (See Wise, V. A., Duffies, Henney, and Lohner.)
Dulchin, Edward, New York, N. Y. Fur trimming plate and composite fur. 2,203,947; June 11.
Dunbrook, Raymond F., and B. J. Humphrey, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber composition and preserving rubber. 2,203,899; June 11.
Dunlap Printing Company. (See Dunlap, Wilbur B., assignor.)
Dunlap, Wilbur B., assignor to Dunlap Printing Company, Philadelphia, Pa. Punching machine. 2,204,405; June 11.
Dunlop, Pious J. (See Dawson, Melville P., assignor.)
Du Pont, E. I., de Nemours & Company. (See Acken, Marshall F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Boller, Ernest R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Deem, A. G., and Lazier, assignors.)
Du Pont, E. I., de Nemours & Company. (See Ellingboe, Ellsworth K., assignor.)
Du Pont, E. I., de Nemours & Company. (See Farlow, Mark W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hahn, Frederick C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Heckert, Winfield W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Heckert, W. W., and Kirby, assignors.)
Du Pont, E. I., de Nemours & Company. (See Kepfer, Raymond J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Loder, Donald J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rossander, S. S., and Sparks, assignors.)
Du Pont, E. I., de Nemours & Company. (See Strain, Daniel E., assignor.)
Du Pont Film Manufacturing Corporation. (See Baldsiefen, Walter D., assignor.)
Dupuis, Clyde, Freehold, N. J., assignor to S. Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y. Knitting machine. 2,203,948; June 11.
Dürsteler, Wilhelm, Thalwil, Switzerland. Method and apparatus for the continuous wet treatment of webs of textile material. 2,203,678; June 11.
Dyson, Louis M., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,204,345; June 11.
Eaglesfield, Charles C., Mitcham Junction, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Television receiver circuit. 2,203,722; June 11.
Eason, Clarence M., assignor to Industrial Clutch Company, Waukesha, Wis. Clutch. 2,203,862; June 11.
Easter, George J. (See Benner, R. C., and Easter.)
Eastman, H. John. (See O'Grady, Daniel J., assignor.)
Eastman Kodak Company. (See Malm, C. J., and Nadeau, assignors.)
Eastman Kodak Company. (See Murray, Alexander, assignor.)
Eaton, George R., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Time recorder system. 2,204,346; June 11.
Eaton Manufacturing Company. (See Swank, Arthur L., assignor.)
Eaton, Warren S., Los Angeles, Calif., assignor to Radio Corporation of America. Directional antenna. 2,204,406; June 11.
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake control valve. 2,204,530; June 11.
Ebaugh, Edward L., Kneeland, Calif. Gate. 2,204,477; June 11.
Eclipse Aviation Corporation. (See Allen, Joseph W., assignor.)
Eclipse Aviation Corporation. (See Baer, H., and Finnegan, assignors.)
Eclipse Aviation Corporation. (See Blanchard, Arthur D., assignor.)
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Eddy, Schuyler C., Kalamazoo, Mich. Cribbage board. 2,204,177; June 11.
Edwards, George, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Method of and apparatus for making bimetallic strip. 2,203,679; June 11.
Edwards, O. M., Company, The. (See Axe, Roy T., assignor.)
Edwards, William C., Anderson, assignor to General Motors Corporation, Detroit, Mich. Steering column lock. 2,203,949; June 11.
Eggert, John, Leipzig-Gohlis, and G. Heymer, Wofen Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Photographic printing. 2,204,074; June 11.
Eichthaler, Jennie, Broadwater, Nebr. Sectional spring mattress. 2,203,950; June 11.
Eisensmith, William F., Penns Grove, N. J. Load bracing device. 2,204,075; June 11.
Electric & Musical Industries Limited. (See Lubszynski, Hans G., assignor.)
Electric Switch Corporation. (See Staley, Joseph H., assignor.)
Electrical Engineers Equipment Company. (See Farrell, Fred, assignor.)
Electro-Gas Corporation. (See Nolan, Frank J., assignor.)
Electrol S. A. (See Posada Zendejas, Eduardo, assignor.)
Electrolux Corporation. (See Ell, Lars J. F., assignor.)
Electrolux Corporation. (See Lofgren, G. E., and Brown, assignors.)
Electronic Research Corporation. (See Bennett, Willard H., assignor.)
Elenbaas, Willem. (See de Boer, J. H., Elenbaas, Dorgelo, and Lemmens.)
Ell, Lars J. F., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,204,128; June 11.
Ellingboe, Ellsworth K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitric acid oxidation of oleic and other fatty acids. 2,203,680; June 11.
Ellis, Clarence R. Sausalito, Calif. Sharpening device. 2,203,951; June 11.
Elmquist, Ruth E. (See Humfeld, H., Kettering, and Elmquist.)
Emerson, Kenneth W. (See Todd, F. N., and Emerson.)
Emulsions Process Corporation. (See Ditto, Marvin W., assignor.)
Enbusk, John, Astoria, Oreg. Material separator. 2,204,478; June 11.
Engel, Edwin H. (See Davenport, E. S., and Engel.)
Englar, Lillian G., Crestwood, N. Y. Display device. 2,204,129; June 11.
Engstrom, Birger, assignor to Forster Manufacturing Corporation, Pittsburgh, Pa. Pipe thread protector. 2,204,130; June 11.

Enoch, Walter S., New York, N. Y. Display device. 2,204,076; June 11.
Erbguth, Paul F. K. (See Sandberg, R. A. F., Erbguth, and Smith.)
Erbguth, Paul F. K., and R. A. F. Sandberg, Brooklyn, and E. S. Smith, Jr., St. Albans, assignors to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Safety control for vulcanizer presses. 2,204,531; June 11.
Erbguth, Paul F. K., and R. A. F. Sandberg, assignors to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Process control. 2,204,532; June 11.
Eriksson, Frans W., Vasteras, Sweden. Leg for furniture. 2,204,077; June 11.
Eshbaugh, Jesse E., Flint, assignor to General Motors Corporation, Detroit, Mich. Hydraulic lash adjuster. 2,203,952; June 11.
Eshleman, Charles I., et al. (See Chapman, Arthur J., assignor.)
Evans, James M., and E. J. Phillips, assignors to Evans Products Company, Detroit, Mich. Interlockng relay. 2,203,779; June 11.
Evans Products Company. (See Evans, J. M., and Phillips, assignors.)
Extractol Process, Ltd. (See Bonotto, Michele, assignor.)
Falk Corportion, The. (See Parsons, Fred A., assignor.)
Farlow, Mark W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of secondary alkyl sulphonic acds. 2,204,210; June 11.
Farnsworth, Philo T., San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Producing electron multiplication. 2,204,479; June 11.
Farnsworth Television & Radio Corporaton. (See Farnsworth, Philo T., assignor.)
Farrell, Fred, Elmwood Park, Ill., assignor to Electrical Engineers Equipment Company. Electric switch. 2,203,863; June 11.
Farrington, John F. (See Harnett, D. E., and Farrington.)
Farwell, Claude C., Groton, Mass. Automobile radio antenna. 2,203,986; June 11.
Fawley, Elmer H., assignor to Mueller Co., Decatur, Ill. Tool. 2,204,303; June 11.
Feldspathic Research Corporation. (See Peddrick, Charles H., Jr., assignor.)
Fernbach, Hans, London, England. Wrapping and presentation for use of bath salts, soap, and like personal toilet substances. 2,204,037; June 11.
Fernseh Aktiengesellschaft. (See Langenwalter, Hans W., assignor.)
Fernseh Aktien-Gesellschaft. (See Möller, Rolf, assignor.)
Fernseh Aktien-Gesellschaft. (See Möller, R., and Below, assignors.)
Ferrary, Ferdinand F., assignor to J. Pressman & Co., Inc., Brooklyn, N. Y. Toy. 2,204,078; June 11.
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Latch. 2,203,817; June 11.
Fesefeldt, Otto, assignor to Kommandit-Gesellschaft in Firma Peter Kolln, Elmshorn, Germany. Feed trough for grading machines. 2,204,480; June 11.
Feucht, Albert, Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feeding mechanism for rock drills. 2,203,953; June 11.
Feucht, Albert, Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill. 2,203,954; June 11.
"Fides" Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Krenzien, Otto, assignor.)
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Thermal operated circuit controlling device. 2,204,481; June 11.
Files, Glenn W., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. Radiographic method and apparatus. 2,204,347; June 11.
Filipiak, Walter, Chicago, Ill. Golf ball retriever. 2,204,482; June 11.
Filtration Equipment Corp. (See Fraser, Charles E., assignor.)
Finch, William G. H., New York, N. Y. Facsimile scanning system. 2,204,271; June 11.
Findra, George, New Brunswick, N. J. Eraser feeding device. 2,204,038; June 11.
Finger, Paul E., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa. Freight car construction. 2,204,348; June 11.
Finnegan, Martin J. (See Baer, H., and Finnegan.)
Firestone Tire & Ruhber Company, The. (See Dunbrook, R. F., and Humphrey, assignors.)
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 2,204,533; June 11.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Tuning dial. 2,203,723; June 11.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,203,724; June 11.
Flammang, John, and P. L. Bowser, assignors to The Sterling Corporation, St. Louis, Mo. Molding machine. 2,204,407; June 11.
Fleischhauer, Richard, and H. Ritter, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Azo dyestuffs. 2,203,818; June 11.
Florence Stove Company. (See Reeves, Herbert M., assignor.)
Florman, Irving, New York, N. Y. Cigarette lighter. 2,203,681; June 11.
Folmer Graflex Corporation. (See Hineline, Edson S., assignor.)
Folmer Graflex Corporation, The. (See Hendrickson, Henry M., assignor.)
Folsom, Elwood E., Trumbull, Conn., assignor to General Electric Company. Connector plug. 2,204,408; June 11.
Forrest, William J., Ilford, England. Filtering or straining or like treatment of fluids. 2,204,349; June 11.
Forrester, Jesse W., Marshfield, Oreg. Device for hanging trip line corner blocks. 2,204,211; June 11.
Forsling, Oscar E., Kimball, Nebr. Full view rifle front sight. 2,204,483; June 11.
Forster, H. J., trustee. (See Cooper, L. H., and Nightingale, assignors.)
Forster, H. J., trustee. (See Nightingale, William J., assignor.)
Forster, James T., et al. (See Lampkin, Elbert H., assignor.)
Forster Manufacturing Corporation. (See Engstrom, Birger, assignor.)
Foss, George F. (See Barnes, Howard T., assignor.)
Foster, George H. (See Christmann, L. J., and Foster.)
Foster, Herbert V., Providence, assignor to Crompton & Knowles Jacquard & Supply Company. Pawtucket, R. I. Mounting for Jacquard cylinders. 2,204,484; June 11.
Foster Wheeler Corporation. (See Frisch, Martin, assignor.)
Foulke, Ted E., Nutley, N. J., assignor, by mesne assignments, to General Electric Company. Luminescent material and producing the same. 2,203,682; June 11.
Fox, Harry S., and K. W. Emerson, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Apparatus for sealing cartons. 2,203,900; June 11.
Foxboro Company, The. (See Macdonald, Waldron S., assignor.)
François, Auguste E., Choisy-le-Roi, France. Treatment of grain, especially wheat. 2,204,039; June 11.
Franz Manufacturing Co. (See Ferris, William D., assignor.)
Fraser, Charles E., Kew Gardens, assignor to Filtration Equipment Corp., New York, N. Y. Seal for sand filter cleaning mechanism. 2,204,534; June 11.
Fraser, William, Liverpool, England. Hydraulic coupling. 2,204,261; June 11.
Frederick, Joseph M., assignor of one-half to J. L. Rosenfield, Baltimore, Md. Applying and attaching metallic end closures to cartons. 2,203,955; June 11.
Frederickson, Clayton E., Chicago, Ill. Differential mechanism. 2,203,683; June 11.
Frederiksen, Carl J. (See Coultas, W. J., and Frederiksen.)
Friedman, Max, High Point, N. C. Cigarette maker and holder. 2,203,864; June 11.
"Friend" Manufacturing Company. (See Allgrunn, Carl G., assignor.)
Frisch, Martin, Cranford, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Steam generator. 2,204,350; June 11.
Frisch, Martin, Cranford, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Firing steam generators. 2,204,351; June 11.
Fritz, Walter. (See Wlicken, K., Kliempt, Fritz, and Heck.)
Fuehrer, George H., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Centralizer for drill steels. 2,204,352; June 11.
Fulton Company, The. (See Thorp, Joel R., assignor.)
Fulton, James W., Waukegan, Ill. Rule gauge. 2,204,353; June 11.
Fumagalli, Charles, Guatemala City, Guatemala. Controller for battery charging apparatus. 2,204,101; June 11.
Fyfe, Charles E., Cedarhurst, N. Y. Lock. 2,203,819; June 11.
Gaidos, Alonzo F., Redwood City, Calif. Support. 2,204,013; June 11.
Gaitzsch, Friedrich, Chemnitz, Germany. Machine tool. 2,204,485; June 11.
Galante, Ermanno, Woburn, Mass. Corner piece for frames. 2,203,987; June 11.
Gallagher, John J., Denver, Colo., assignor to Poor & Company, New York, N. Y. Joint equalizer spring. 2,204,304; June 11.
Gano, Harlan S., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,204,409; June 11.
Ganzer, Hugo, Berlin, Germany. Shoe with a device for preventing and treating flat-footedness. 2,204,410; June 11.
Garden City Plating & Mfg. Co. (See Krauss, Carl, assignor.)
Gartner, Joseph A., Elkins Park, Pa. Floor dressing machine. 2,204,178; June 11.
Gatz, Leo B., Chicago, Ill. Tennis table. 2,203,780; June 11.
Gaylor, Peter J. (See Wiezevich, Peter J.)
Geary, John W., Jr. (See Luhn, Hans P., assignor.)
Geiger, Max., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Signaling system. 2,203,865; June 11.

Geitgey, Irvin, Elyria, Ohio, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,203,725; June 11.
Gelb, Joseph, New York, N. Y. Arc lamp. 2,204,079; June 11.
General Aniline & Film Corporation. (See Eggert, J., and Heymer, assignors.)
General Aniline & Film Corporation. (See Fleischhauer, R., and Ritter, assignors.)
General Aniline & Film Corporation. (See Goldhammer, Leo, assignor.)
General Aniline & Film Corporation. (See Riester, Oskar, assignor.)
General Aniline & Film Corporation. (See Schlichenmaier, H., and Berlin, assignors.)
General Aniline & Film Corporation. (See Wolff, P., and Beniers, assignors.)
General Arts, Incorporated. (See Tait, Wilfred E., assignor.)
General Electric Company. (See Atwood, Winfield A., assignor.)
General Electric Company. (See Bailey, Edward A., assignor.)
General Electric Company. (See Cooper, Kenneth K., assignor.)
General Electric Company. (See Crago, Harry R., assignor.)
General Electric Company. (See de Boer, J. H., Elenbaas, Dorgelo, and Lemmens, assignors.)
General Electric Company. (See de Graaff, Antonius, assignor.)
General Electric Company. (See de Vries, Reinier W. P., assignor.)
General Electric Company. (See Folsom, Elwood E., assignor.)
General Electric Company. (See Foulke, Ted E., assignor.)
General Electric Company. (See Hinnüber, Josef, assignor.)
General Electric Company. (See Knowlton, Paul H., Jr., assignor.)
General Electric Company. (See Lennox, T. C., and Minneci, assignors.)
General Electric Company. (See Malloy, Frank J., assignor.)
General Electric Company. (See McArthur, E. D., and Rowe, assignors.)
General Electric Company. (See Mershon, Alfred V., assignor.)
General Electric Company. (See Safford, Moyer M., assignor.)
General Electric Company. (See Steyskal, Herbert, assignor.)
General Electric Company. (See Warren, Glenn B., assignor.)
General Electric X-Ray Corporation. (See Files, Glenn W., assignor.)
General Motors Corporation. (See Brackett, Tracy F., assignor.)
General Motors Corporation. (See Davis, J. H., Koehring, and Marvin, assignors.)
General Motors Corporation. (See De Roo, W. C., Schwarz, and Agramonte, assignors.)
General Motors Corporation. (See Edwards, William C., assignor.)
General Motors Corporation. (See Eshbaugh, Jesse E., assignor.)
General Motors Corporation. (See Georgiev, Alexander M., assignor.)
General Motors Corporation. (See Long, George R., assignor.)
General Motors Corporation. (See Rutherford, Paul H., assignor.)
General Railway Signal Company. (See Field, Oscar S., assignor.)
General Railway Signal Company. (See Preston, Neil D., assignor.)
General Time Instruments Corporation. (See Ostler, Ernest S., assignor.)
General Tire & Rubber Company, The. (See Bender, Charles P., assignor.)
George, Edward B., Chicago, Ill. Surfacing machine abrasive sheet holder. 2,204,486; June 11.
George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Ultra high frequency signal generator. 2,204,179; June 11.
Georgiev, Alexander M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Container for electrolytic condensers. 2,203,902; June 11.
Gerlach, Erwin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Apparatus for cultivating crystals. 2,204,180; June 11.
Gerlach, Frank A., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Control and operating mechanism for unloading washers. 2,203,781; June 11.
Gesellschaft für Linde's Eismaschinen A. G. (See Zerkowitz, Guido, assignor.)
Gettig, Joseph H., and G. Spatta, assignors to Clark Equipment Company, Buchanan, Mich. Apparatus for reducing tubular blanks. 2,203,956; June 11.
Gibbons, Willis A., Montclair, and J. McGavack, Leonia, N. J., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Treatment of latex. 2,203,866; June 11.
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gleason, Daniel H., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,204,181; June 11.
Glitsch, Hans C., and C. S. Crickmer, assignors to Mirla Tool Company, Dallas, Tex. Flow valve. 2,203,957; June 11.
Globe Knitting Works. (See Pray, Gordon D., assignor.)
Glorfield, Edward, assignor of one-half to A. R. Dawson, Burley, Idaho. Two way plow. 2,204,487; June 11.
Glunz, Henry F., Astoria, Long Island, N. Y. Sterilizing liquids and filling containers. 2,204,131; June 11.
Goetzmann, Albert L. (See Johnson, A. J., and Goetzmann.)
Goldhammer, Leo, Munich, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Photographic camera. 2,204,488; June 11.
Gmöhling, Karl. (See Schmidt, M., and Gmöhling.)
Goodman Manufacturing Company. (See Doberstein, Edward J., assignor.)
Goodman Manufacturing Company. (See Wood, Frank J., assignor.)
Goodrich, B. F. Company, The. (See Allen, Raymond P., assignor.)
Goodrich, B. F., Company, The. (See Colley, Russell S., assignor.)
Goodrich, B. F., Company, The. (See Jones, Paul C., assignor.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Gordon, Joseph P., Rockford, Ill. Seat cushion. 2,204,449; June 11.
Goslin-Birmingham Manufacturing Company. (See Hunter, Henry M., assignor.)
Gossman, Mathias, assignor to L. G. Legorreta, Mexico, D. F. Mexico. Protective device for electric circuits. 2,203,867; June 11.
Gottlieb, Joseph A., San Francisco, Calif. Line designating machine. 2,204,305; June 11.
Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Handle and base construction for an electrical appliance. 2,204,212; June 11.
Gould, George, assignor to Wolseley Motors Limited, Birmingham, England. Appliance for rolling screw threads. 2,204,182; June 11.
Gould, Stephen P. (See Whittier, E. O., and Gould.)
Gould, Stephen P., and E. O. Whittier, Washington, D. C., dedicated to the free use of the People in the Territory of the United States. Fiber. 2,204,535; June 11.
Grace, Nathaniel H., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Stimulation of plant growth by the treatment of seeds. 2,204,213; June 11.
Grace, Nathaniel H., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Stimulation of growth from plant cuttings. 2,204,214; June 11.
Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, Sweden. Method and mechanism for wrapping cigars. 2,204,132; June 11.
Gray, John E., A. P. Devereaux, and W. M. Parker, assignors to Mueller Brass Co., Port Huron, Mich. Apparatus for making wrought metal tubes. 2,203,868; June 11.
Gray, William W., Colorado Springs, Colo. Placer gold mining device. 2,204,489; June 11.
Greenlee, Eli M., Newport, Ky., and J. S. Knittel, Hartwell, Ohio. Centrifugal pump. 2,203,958; June 11.
Greensfelder, Bernard S., Martinez, and R. N. Shiras, Long Beach, assignors to Shell Development Company, San Francisco, Calif. Manufacture of motor fuel. 2,204,215; June 11.
Greensfelder, Edward, cotrustee. (See Rubinstein, Wilton, assignor.)
Greenwood & Batley Limited. (See Maclagan, John C. M., assignor.)
Griswold, Frank W., Minneapolis, Minn. Railway crossing signal. 2,203,988; June 11.
Grogan, John S. (See Hayden, Albert S., assignor.)
Grout, James H., Chicago, Ill. Retinoscope. 2,204,014; June 11.
Gruskin, Benjamin, Philadelphia, Pa., assignor to Lakeland Foundation, Chicago, Ill. Antigen for determination of tuberculosis and making the same. 2,204,272; June 11.
Guedon, Emile C., Audubon, N. J., assignor to Radio Corporation of America. Electrical signal translating apparatus. 2,203,820; June 11.
Guildford, Joseph R., Regina, Saskatchewan, Canada. Curtain rod device. 2,204,411; June 11.
Hahn, Frederick C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose etherification process. 2,203,869; June 11.
Hale, Adolph A., Grand Haven, Mich. Tube slotting or punching die. 2,204,273; June 11.
Hale, Randal L. (See King, J. E., and Hale.)
Halliburton Oil Well Cementing Company. (See Bradshaw, John R., assignor.)
Halliburton Oil Well Cementing Company. (See O'Donnell, Roland E., assignor.)

Ham, Garnet P., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Stabilized photographic fixing powder. 2,203,903; June 11.

Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Valve device. 2,203,980; June 11.

Hammack, George W., Richmond, Va. Pneumatic separator. 2,203,959; June 11.

Hammond, Charles A., Alden, N. Y. Radiator. 2,203,904; June 11.

Hammond, John H., Jr. (See Purington, Ellison S., assignor.)

Haney, Myron L., Chicago, Ill. Ticket delivering and recording machine. 2,204,133; June 11.

Hansch, August C. and H. E., Whippany, N. J. Production of screen negatives. 2,204,080; June 11.

Hansch, Henry E. (See Hansch, August C. and H. E.)

Hansen, Walter C., St. Louis, Mo. Garment stretcher and creaser. 2,204,354; June 11.

Hanson, Leonard. (See Main, C. E., and Hanson.)

Hardgrove, Ralph M. (See Moore, W. T., Cassidy, Hardgrove, and Kerr.)

Hare, Terence G., Windsor, Ontario, Canada. Valve. 2,203,684; June 11.

Hare, Terence G., Windsor, Ontario, Canada. Valve seal. 2,204,355; June 11.

Harnett, Daniel E., Tuckahoe, and J. F. Farrington, Flushing, N. Y., assignors to Hazeltine Corporation. Attenuator circuit. 2,204,216; June 11.

Harrell, Clennie B., assignor to Metropolis Bending Company, Metropolis, Ill. Folding table. 2,204,081; June 11.

Harris, Abel G., Tonica, Ill. Plow disk mounting. 2,204,490; June 11.

Harris, Emil L. (See Overstreet, E. L., and Harris.)

Harris, Wilbur T., Trenton, N. J., assignor to Research Corporation, New York, N. Y. Vacuum tube. 2,204,306; June 11.

Hart & Cooley Manufacturing Company. (See Heasley, L. E., and Cole, assignors.)

Harwood, James. (See Ralston, A. W., Harwood, and Hopkins.)

Hattox, Erwin M. (See Stahly, E. E., and Hattox.)

Haupt, Hans, Berlin-Zehlendorf, Germany. Folding umbrella. 2,204,536; June 11.

Hawaiian Pineapple Company. (See Fox, H. S., and Emerson, assignors.)

Hawaiian Pineapple Company. (See Todd, F. N., and Emerson, assignors.)

Hawley, Amos H., Sr. (See Vancil, E. D., and Hawley.)

Hayden, Albert S., assignor of one-half to J. S. Grogan, Kimball, W. Va. Automatic car stop. 2,204,102; June 11

Hazeltine Corporation. (See Harnett, D. E., and Farrington, assignors.)

Heald Machine Company, The. (See Blood, Harold L., assignor.)

Hearing, Irvin I., Hammonton, N. J. Umbrella marker. 2,204,307; June 11.

Heasley, Loyd E., and N. E. Cole, assignors to Hart & Cooley Manufacturing Company, Holland, Mich. Grille. 2,204,356; June 11.

Heck, Wilhelm. (See Wilcken, K., Kliepmt, Fritz, and Heck.)

Heckert, Winfield W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lamellar trisodium phosphate hydrate. 2,204,357; June 11.

Heckert, Winfield W., Wilmington, and J. E. Kirby, Holly Oak, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Lameller trisodium phosphate hydrate. 2,204,358; June 11.

Heckman, Joseph C., Pittsburgh, Pa. Pigment. 2,203,905; June 11.

Heetkamp, Heinrich, Dusseldorf-Buderich, Germany. Rolling mill plant for the manufacture of seamless tubes. 2,204,491; June 11.

Helmke, Paul. (See Steindorff, A., Balle, Helmke, and Horst.)

Heintz, Ralph M., Montclair, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine control mechanism. 2,204,492; June 11.

Hellema, Jan C., assignor to N. V. Papierwarenfabrik Voorheen Gebrs. Hellema, Zaandam, Netherlands. Bag of paper or like material and the manufacture thereof. 2,203,726; June 11.

Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,204,249; June 11.

Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Testing device. 2,203,782; June 11.

Hemphill Company. (See Lawson, Robert H., assignor.)

Hendrickson, Henry M., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Door latch or catch for cameras and other structures. 2,204,359; June 11.

Hendrickson, Roy H. (See Ryan, W. D., and Hendrickson.)

Hennessy, Carroll A. (See Taylor, W. J., and Hennessy.)

Henney, Grover R. (See Wise, V. A., Duffies, Henney, and Lohner.)

Henry, Charles P., assignor to J. N. Henry, Cranston, R. I. Cream-whip rod. 2,204,493; June 11.

Henry, James N. (See Henry, Charles P., assignor.)

Henze, Otto, Philadelphia, Pa. Fishing reel. 2,204,082; June 11.

Herbst, John A., Oradell, N. J., assignor to The Teleregister Corporation, New York, N. Y. Contact structure. 2,203,727; June 11.

Hercules Powder Company. (See Ott, Emil, assignor.)

Herriger, Felix, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof (Germany), Lorenzweg. Electron tube. 2,204,217; June 11.

Herzmark, Nicolas, Paris, France. Gas operated starting mechanism. 2,204,308; June 11.

Hess, Emil, Berlin, Wis. Safety hydraulic brake system. 2,203,908; June 11.

Heymer, Gerd. (See Eggert, J., and Heymer.)

Heymer, Rae J., Minneapolis, Minn. Game apparatus. 2,203,990; June 11.

Heywood-Wakefield Company. (See Bell, Alfred B., assignor.)

Heywood-Wakefield Company. (See Hill, Oiva E., assignor.)

Hickman, John G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Ash receptacle. 2,203,960; June 11.

Hickok, Willard H., Bloomfield, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Television transmitting tube. 2,204,250; June 11.

Hildebrandt, Gustav, Mannheim, assignor to E. Bilhuber Inc., Jersey City, N. J. Preparation of derivatives of β-(P-hydroxy-phenyl)-isopropylamine. 2,204,494; June 11.

Hildenbrand, Frederick, Stockton, Calif. Device for holding valve keepers. 2,204,309; June 11.

Hildreth, Harold F. (See Mosshart, Donald J., assignor.)

Hill, Oiva E., assignor to Heywood-Wakefield Company, Gardner, Mass. Reversing car-seat base. 2,204,218; June 11.

Himes, David N., assignor of forty per cent to T. Wortham, Hugo, Okla. Nut cracker. 2,204,040; June 11.

Hinchman, William H. D., assignor to The Zonolite Company of Montana, Detroit, Mich. Vermiculite processing machine. 2,203,821; June 11.

Hinckley, Robert L. (See Allen, E. N., and Hinckley.)

Hineline, Edson S., assignor to Folmer Graflex Corporation, Rochester, N. Y. Camera traversing apparatus for photographing nearby large object surfaces. 2,203,783; June 11.

Hineline, Edson S., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Mechanism for photographically recording voting machine indications. 2,203,906; June 11.

Hines, Claude M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Motor control system. 2,203,907; June 11.

Hinnüber, Josef, Essen, Germany, assignor to General Electric Company. Weld rod. 2,204,412; June 11.

Hiner, Frank M., Detroit, Mich. Wax paper folding machine. 2,204,274; June 11.

Hogue, James E., Hot Springs, Ark., assignor to J. Lowe. Forming frozen confections. 2,204,495; June 11.

Hogue, James E., Hot Springs, Ark., assignor to J. Lowe. Confection making apparatus. 2,204,496; June 11.

Holmquist, Oscar B., Sr., Amory, Miss. Valve packing gland. 2,204,310; June 11.

Holthouse, Harry B., Chicago, Ill. Ignition apparatus. 2,203,784; June 11.

Honorary Advisory Council for Scientific and Industrial Research. (See Grace, Nathaniel H., assignor.)

Hoover, Albert H., and H. D. Clark, Oil City, Pa. Illuminated license plate and case therefor. 2,203,785; June 11.

Hoover Company, The. (See Nelson, Rudolph S., assignor.)

Hoover Company, The. (See Schug, Howard L., assignor.)

Hopkins, Ervin W. (See Ralston, A. W., Harwood, and Hopkins.)

Horst, Karl. (See Steindorff, A., Balle, Helmke, and Horst.)

Houdry Process Corporation. (See Samans, Walter, assignor.)

Howard Foundry Co. (See Siegert, Walter, assignor.)

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,204,134; June 11.

Howell, Harry, Ilford, Manitoba, Canada. Tobacco pipe. 2,204,311; June 11.

Hoyt, Frederick A., East Orange, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Coin collector. 2,204,083; June 11.

Hubbert, Leslie S., Edison, Ohio, assignor to The Hydraulic Press Corp. Inc., Wilmington, Del. Hydromechanical press. 2,204,413; June 11.

Hubner, William H. (See Murphy, G. B., and Hubner.)

Hughes, John, Rochdale, England. Jockey pulley. 2,204,084; June 11.

Hulin, Lynford S., Nyack, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Earpiece. 2,204,183; June 11.

Humer, Frank. (See Solomon, H. D., and Humer.)

Humfeld, Harry, and J. H. Kettering, Arlington, Va., and R. E. Elmquist, Washington, D. C., dedicated to the free use of the People of the United States of America. Protecting materials of keratin composition. 2,204,360; June 11.

Humphrey, Bingham J. (See Dunbrook, R. F., and Humphrey.)

Hunter, Henry M., New York, N. Y., assignor to Goslin-Birmingham Manufacturing Company, Inc. Calandria. 2,204,497; June 11.

Hunter, Rex A., Derry, Pa. Cartridge. 2,204,085; June 11.

Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair device. 2,204,361; June 11.

Hurd, Mark M., Minneapolis, Minn. Container for film rolls. 2,204,414; June 11.

Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,203,786; June 11.

Husted, Harry A., Sandusky, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio. Molding means for making thermoplastic articles. 2,203,787; June 11.

Hutchinson, Arno M., Mead, Wash. Polisher. 2,203,728; June 11.

Hutchinson, W. H., & Son, Inc. (See Domke, Fred E., assignor.)

Huxter, Walker L. C., Richmond, Va. Vaporizer. 2,204,312; June 11.

Hydraulic Press Corp. Inc. (See Hubbert, Leslie S., assignor.)

Hyman, Eli, Brookline, Mass. Ribbon. 2,203,822; June 11.

I. G. Farbenindustrie Aktiengesellschaft. (See Krauss, Alwin, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Luehdemann, Rolf, assignor.)

I. G. Farbenindistrie Aktiengesellschaft. (See Mueller-Cunradi, M., and Otto, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Pier, Mathias, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Steindorff, A., Balle, Heimke, and Horst, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Suchy, Robert, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Teichmann, L., and Martini, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Wassenegger, H., and Jaeger, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Werner, M., and Tietz, assignors.)

Iftiger, Herbert J., and E. W. Cook, Los Angeles, Calif., assignor, by mesne assignments, to Service Devices Corporation. Dispensing device. 2,204,015; June 11.

Illian, Douglas F., Evanston, Ill. Electric table lamp. 2,204,362; June 11.

Imperial Oil & Gas Products Company. (See Knapp, William A., assignor.)

Industrial Clutch Company. (See Eason, Clarence M., assignor.)

Industrial Patents Corporation. (See Wise, V. A., Duffies, Henney, and Lohner, assignors.)

Industrial Rayon Corporation. (See Bergmann, R. F., Walters, and Samerdyke.)

Industrial Rayon Corporation. (See Kline, H. B., and Jordan, assignors.)

Industrial Rayon Corporation. (See Lovett, Louis E., assignor.)

Ingersoll-Rand Company. (See Blank, Charles E., assignor.)

Ingersoll-Rand Company. (See Fuehrer, George H., assignor.)

Ingersoll-Rand Company. (See Metzgar, Chester W., assignor.

Insam, Theodor, Kitzbuhel, assignor to Degenhard Graf von Wurmbrand-Stuppach, Vienna, Germany. Emergency stretcher contrivance for use on ski tours. 2,203,909; June 11.

Issartel, Joannes, and E. Robert, Lyon, France, assignors to Robissa S. A., Basle, Switzerland. Apparatus for coloring, printing, and decorating flat surfaces, particularly woven textiles. 2,203,910; June 11.

Jaeger, Karl. (See Wassenegger, H., and Jaeger.)

Jähne, Ernest H., and R. E. Schleehahn, Dresden, Germany, assignors, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Cigar banding machine. 2,204,219; June 11.

Jakosky, John J., and P. B. Lyons, Los Angeles, Calif., assignors to Schlumberger Well Surveying Corporation, Houston, Tex. Method and apparatus for use in determining the geologic nature and characteristics of a formation traversed by a borehole. 2,203,729; June 11.

Janes, Robert B., Rutherford, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrode for television tubes. 2,204,251; June 11.

Jefferson, Ernest S., Belhaven, N. C. Electric animal prod. 2,204,041; June 11.

Jenkins, John F., Park Ridge, and F. W. Burrows, Evanston, Ill. Metal awning. 2,204,363; June 11.

Jenks, Clayton L., Boylston Center, Mass. Knife sharpening device. 2,203,788; June 11.

Jirousek, Joseph F., assignor to Chandler & Price Company, Cleveland, Ohio. Sheet separating and feeding mechanism for printing presses. 2,203,823; June 11.

Johnson, Andrew J., and A. L. Goetzmann, Minneapolis, Minn. Beverage cooler. 2,203,991; June 11.

Johnson, Clarence, East Cleveland, Ohio, assignor to Bailey Meter Company. Measuring apparatus. 2,203,789; June 11.

Johnson, Clarence, Cleveland Heights, Ohio, assignor to Bailey Meter Company. Measuring apparatus. 2,203,790; June 11.

Johnson, Curtis H., Santa Monica, Calif. Method and apparatus for determining the strike and dip of subsurface strata. 2,203,730; June 11.

Johnson Service Company. (See Otto, Carl A., assignor.)

Johnson, Curtis D., Black River, Jamaica. Shock absorber. 2,204,415; June 11.

Jones, Anita J., Beverly Hills, Calif. Identification button. 2,204,313; June 11.

Jones, Paul C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Chlorination of ketones. 2,204,135; June 11.

Jones, Sam P., Dallas, Tex. Gas mixer. 2,203,961; June 11.

Jordan, Lavern J. (See Kline, H. B., and Jordan.)

Jung, Albert H., Flushing, assignor to United American Metals Corporation, Brooklyn, N. Y. Casting apparatus. 2,204,498; June 11.

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Meyer, Ludwig, assignor.)

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Wilcken, K., Kliempt, Fritz, and Heck, assignors.)

Kamenarovic, Leone, Milan, Italy, assignor to Radio Corporation of America. Radio frequency winding with iron core. 2,204,086; June 11.

Karlson, Alfred F., North Leominster, assignor to Parks-Cramer Company, Fitchburg, Mass. Ventilating and humidifying system. 2,204,016; June 11.

Kattwinkel, Hans, Radebeul, Germany. Clutch device. 2,204,499; June 11.

Katz, Russell, Hamilton, and H. J. Waechter, Mount Healthy, assignors to P. Benninghofen and F. G. Diesbach, Hamilton, Ohio. Autographic register. 2,204,220; June 11.

Kaufman, Hiram J., Detroit, Mich. Cooling and dehumidifying device. 2,203,685; June 11.

Keevil, Henry W. (See Barnes, W. C., and Keevil.)

Kehle, Ottmar A., West Los Angeles, assignor to Sterling Products Company, Los Angeles, Calif. Filter. 2,204,417; June 11.

Keller, Curt, assignor to Aktiengesellschaft für Technische Studien, Zurich, Switzerland. Regulating and starting thermal power plants. 2,203,731; June 11.

Kellogg Switchboard and Supply Company. (See Eaton, George R., assignor.)

Kepfer, Raymond J., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lamellar trisodium phosphate hydrate. 2,204,364; June 11.

Kerr, Howard J. (See Moore, W. T., Cassidy, Hardgrove, and Kerr.)

Kesling, Elmer G., Bloomfield, Mo. Surgical instrument and using the same. 2,204,275; June 11.

Kettering, James H. (See Humfeld, H., Kettering, and Elmquist.)

Kienle, John A., et al. (See Weinhardt, Robert A., assignor.)

King, John E., and R. L. Hale, assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Autoilluminant writing implement. 2,204,136; June 11.

Kingsley, Errol F., Portland, Oreg. Apparatus for recovering precious metals. 2,204,018; June 11.

Kirby, James E. (See Heckert, W. W., and Kirby.)

Kjellgren, Bengt R. F., Rocky River, and C. B. Sawyer, Cleveland Heights, assignors to The Brush Beryllium Company, Cleveland, Ohio. Producing beryllium. 2,204,221; June 11.

Klemm, Karl, Dresden, Germany. Lifting platform. 2,204,365; June 11.

Kliempt, Franz. (See Wilcken, K., Kliempt, Fritz, and Heck.)

Kline, Hayden B., Cleveland, and L. J. Jordan, Fairview, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Thread-advancing reel. 2,203,686; June 11.

Kline, Hayden B., Lakewood, and L. J. Jordan, Fairview Village, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Drying wet thread. 2,204,500; June 11.

Knapp, William A., Monroe, La., assignor to Imperial Oil & Gas Products Company, Pittsburgh, Pa. Making carbon black. 2,204,366; June 11.

Knittel, Joseph S. (See Greenlee, E. M., and Knittel.)

Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiple channel electro-optical system. 2,203,870; June 11.

Knowlton, Chase H., Greenburgh, N. Y., and G. M. Davies, Fair Lawn, N. J., assignors to The New York Central Railroad Company. Streamlined locomotive. 2,204,137; June 11.

Knowlton, Paul H., Jr., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid power plant. 2,204,138; June 11.

Knowlton, Paul H., Jr., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid power plant. 2,204,139; June 11.

Koblinski, John J., Des Plaines, Ill. Liner for molds for linotype machines. 2,204,314; June 11.

Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Radio traffic control. 2,203,871; June 11.

Koehring, Roland P. (See Davis, J. H., Koehring, and Marvin.)

Kojola, Hugo V., and M. O'Brian, Indianapolis, Ind., assignors to The Prest-O-Lite Company, Inc. Producing acetylene and lime hydrate. 2,204,184; June 11.

Kollsman, Paul, New York, N. Y. Directional instrument. 2,203,824; June 11.

Kollsman, Paul, New York, N. Y., assignor, by mesne assignments, to Square D Company, Detroit, Mich. Trapped self-draining pitot-static tube. 2,204,367; June 11.

Komarewsky, Vasili, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of motor fuel. 2,203,825; June 11.

Komarewsky, Vasili, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic dehydrogenation of hydrocarbons. 2,203,826; June 11.

Kommandit-Gesellschaft in firma Peter Kolln. (See Fesefeltd, Otto, assignor.)

Konetsky, Milton J., San Francisco, Calif. Tandem axle assembly. 2,204,087; June 11.

Koppers Company. (See Koppers, Heinrich, assignor.)

Koppers Company. (See Mack, Karl, assignor.)

Koppers Company. (See Radtke, Max, assignor.)

Koppers Company. (See Rummel, Roman, assignor.)

Koppers Company. (See Schmidt, Wilhelm, assignor.)

Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Coal charging hopper for coke ovens. 2,204,019; June 11.

Kors, Frank F., Independence, Kans. Seine. 2,203,827; June 11.

Krafty, Thomas M., Sandusky, Ohio. Sanitary can cover. 2,203,911; June 11.

Kramer, Sheridan H., St. Paul, Minn. Animal toilet. 2,204,416; June 11.

Krauss, Alwin, Frankfort-on-the-Main-Griesheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Maine, Germany. Obtaining pure noble gases. 2,204,501; June 11.

Krauss, Carl, Chicago, Ill., assignor to Garden City Plating & Mfg. Co., Inc. Revolving garment carrier. 2,204,502; June 11.

Krenzien, Otto, Berlin-Siemensstadt, assignor to "Fides" Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Secondary electron emitter and making it. 2,204,252; June 11.

Kroydon Co. Inc., The. (See Birkhofer, John J., assignor.)

Kubach, August B., South Milwaukee, Wis. Corpse lifting apparatus. 2,203,732; June 11.

Kublin, Frederick W., assignor to Dazey Churn & Manufacturing Company, St. Louis, Mo. Can opener. 2,204,368; June 11.

Kueffer, E. H. (See Metcalf, Herbert E., assignor.)

Kugler, Keith K., Culbertson, Nebr., assignor to American Hard Rubber Company, New York, N. Y. Closure device for battery box covers. 2,204,088; June 11.

Kuhnl, Leopold. (See Morris, W. T., and Kuhnl.)

La Due, Russell M., Sioux City, Iowa. Inverted bell packer for concrete pipe. 2,204,020; June 11.

Lakeland Foundation. (See Gruskin, Benjamin, assignor.)

Lamb, Otto O., St. Louis, Mo. Iron stand. 2,203,962; June 11.

Lampkin, Elbert H., assignor of one-fourth to G. H. Dickinson, one-fourth to W. Dickinson and one-fourth to J. T. Forster, Tulsa, Okla. Rod coupling. 2,204,103; June 11.

Land, Edwin H., Boston, Mass., and J. Mahler, Nemecky Brod, Czechoslovakia, assignors, by mesne assignments, to Polaroid Corporation, Dover, Del. Apparatus employing polarized light for the production of stereoscopic images. 2,203,687; June 11.

Landon, Vernon D., Haddonfield, N. J., assignor to Radio Corporation of America. Noise reduction system. 2,204,089; June 11.

Landon, Vernon D., Haddonfield, N. J., assignor to Radio Corporation of America. Noise rejecting limiter system. 2,204,090; June 11.

Langbein, Harold W., Los Angeles, Calif. Mill. 2,204,140; June 11.

Lange, Frank E., Cuyahoga Falls, Ohio. Steering wheel. 2,203,791; June 11.

Lange, Kurt, Berlin, Germany. Developing device. 2,203,963; June 11.

Langenwalter, Hans W., Berin-Zehlendorf, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, Germany. Electron multiplier. 2,204,503; June 11.

La Plant-Choate Manufacturing Company. (See Austin, Ellsworth W., assignor.)

Lapointe, Elmer J. (See Lapointe, Francis J. and E. J.)

Lapointe, Francis J. and E. J., assignors to American Broach and Machine Company, Ann Arbor, Mich. Surface broach. 2,204,537; June 11.

Larson, Swan E., assignor to Geo. D. Roper Corporation, Rockford, Ill. Pump. 2,203,828; June 11.

Lass, William P., Santa Cruz, Calif. Method and apparatus for forming pulp articles. 2,204,276; June 11.

Las-Stik Manufacturing Company, The. (See Sohngen, Louis C., assignor.)

Lawrence, George H., Chicago, Ill. Board for drop hammers. 2,204,222; June 11.

Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Automatic wrap stripe knitting machine. 2,204,417; June 11.

Lawton, Howard C. (See Limerick, D. A., and Lawton.)

Lawton, Howard C., and A. G. Loomis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Treating oil and gas wells. 2,204,223; June 11.

Lazier, Wilbur A. (See Deem, A. G., and Lazier.)

Leary, James W., Bloomfield, N. J., assignor to American Machine & Foundry Company. Cigarette tipping device. 2,204,369; June 11.

Leatherman, Clarence M., Coldwater, assignor of one-half to C. H. Derrickson, Bronson, Mich. Concrete forming machine. 2,204,021; June 11.

Leaverton, Edgar B. (See Crane, Samuel G., assignor.)

Leckrone, Roy J., Mount Lebanon, Pa., assignor to Continental Roll & Steel Foundry Company. Feeder and catcher table mechanism. 2,203,733; June 11.

Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Piston for air guns. 2,204,370; June 11.

Leffer, Friedrich W., Kenton-Harrow, England, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,203,829; June 11.

Legatski, Harold R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Absorbent cooling system. 2,204,042; June 11.

Legorreta, Luis G. (See Gossmann, Mathias, assignor.)

Leigh, Connie B., Los Angeles, Calif. Automatic lubricant injector for internal combustion engines. 2,204,277; June 11.

Lemmens, Hendricus J. (See de Boer, J. H., Elenbaas, Dorgelo, and Lemmens.)

Lennox, Thomas C., and S. Minneci, Pittsfield, Mass., assignors to General Electric Company. Line drop compensator. 2,204,418; June 11.

Leue, Bruno A., assignor to The Meeker Company, Inc., Joplin, Mo. Key case. 2,203,830; June 11.

Levin, Rémy F. O., assignor to Compagnie du Chemin de Fer Metropolitain de Paris, Paris, France. Electrical route indicator. 2,204,315; June 11.

Levin, Samuel S., Fox Chapel Borough, Pa. Photographic plate holder. 2,203,912; June 11.

Lewthwaite, Raymond B. (See Young, M. S., and Lewthwaite.)

Lighter, Stephen, Chicago, Ill. Shirt and collar protector. 2,204,419; June 11.

Lightfoot, Richard D., Great Neck, assignor to Signaphone Corporation of America. Alarm system. 2,204,420; June 11.

Limerick, Donald A., and H. C. Lawton, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Treating oil wells. 2,204,224; June 11.

Lincoln, Bert H., and W. L. Steiner, assignors to Continental Oil Company, Ponca City, Okla. Sulphurized oil. 2,204,538; June 11.

Lind, Francis T. (See Porter, H. W., and Lind.)

Lindner, Karl A., Baltimore, Md., assignor to American Smelting and Refining Company, New York, N. Y. Casting wheel control. 2,203,831; June 11.

Line Material Company. (See Schultz, William O., assignor.)

Little, Bert A., Wichita, Kans. Tube testing device. 2,203,688; June 11.

Livak, John E. (See Britton, E. C., and Livak.)

Lockridge, Morgan L., Knights Landing, Calif. Fishhook. 2,204,278; June 11.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of N-substituted formamides. 2,204,371; June 11.

Lofgren, Frederick V., Valparaiso, Ind., assignor to G. Davidson, Aurora, Ill. Ornamental paper manufacture. 2,204,141; June 11.

Lofgren, Gustaf E., Riverside, and C. L. Brown, Jr., Stamford, Conn., assignors to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,203,964; June 11.

Logan, John W., Jr., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track switch operating apparatus. 2,203,913; June 11.

Logan, John W., Jr., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway crossing protection apparatus. 2,203,914; June 11.

Lohner, Carl L. (See Wise, V. A., Duffies, Henney, and Lohner.)

Loney, John W., Brockton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe tree. 2,203,792; June 11.

Long, George R., assignor to General Motors Corporation, Dayton, Ohio. Ice tray. 2,203,915; June 11.

Loomis, Albert G. (See Lawton, H. C., and Loomis.)

Lorenz, C., Aktiengesellschaft. (See Baier, Otto, assignor.)

Lorenz, C., Aktiengesellschaft. (See Brunswig, Heinrich, assignor.)

Lorenz, C., Aktiengesellschaft. (See Herriger, Felix, assignor.)

Lorenz, C., Aktiengesellschaft. (See Steiner, Helmut, assignor.)

Lorenz, C., Aktiengesellschaft. (See Wiessner, Alfred, assignor.)

Loshbough, James E., Elkhart, Ind. Clutch for punch presses. 2,204,421; June 11.

Lougheed, John W., Jackson, Mich. Gang hook boot. 2,204,185; June 11.

Loughren, Arthur V., Moorestown, and J. C. Smith, Merchantville, N. J., assignors to Radio Corporation of America. Radio signaling system. 2,204,422; June 11.

Lovett, Louis E., Cleveland Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for the manufacture of thread or the like. 2,203,793; June 11.

Lowe, Joe. (See Hogue, James E., assignor.)

Lowe, Joe, Corporation. (See Taylor, W. J., and Hennessy, assignors.)

Lowrey, George A., Houston, Tex. Inside pipe cutter. 2,204,091; June 11.

Lubszynski, Hans G., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron lens. 2,203,734; June 11.

Lucke, Henry J. (See Vonschott, William, assignor.)

Ludwig, Harold L., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,203,916; June 11.

Luehdemann, Rolf, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of zinc hyposulphite. 2,204,504; June 11.

Luhn, Hans P., North Tarrytown, N. Y., assignor to J. W. Geary, Jr., Houston, Tex. Apparatus for picking cotton. 2,204,092; June 11.

Lumbard, Henry G., Auburn, Maine. Welt insole. 2,204,505; June 11.

Lutz, Francis, Merced, Calif. Gauging and marking instrument for drawer pulls and door handles. 2,203,992; June 11.

Lutz, Marjorie M., assignor to Marjorie Montgomery, Inc., Los Angeles, Calif. Garment. 2,203,993; June 11.

Lyons, Patrick B. (See Jakosky, J. J., and Lyons.)

MacClatchie, John W., Los Angeles, assignor to MacClatchie Manufacturing Company of California, Compton, Calif. Gate valve. 2,204,142; June 11.

MacClatchie Manufacturing Company of California. (See MacClatchie, John W., assignor.)

MacCreedy, William E., Houston, Tex. Liquid level gauge. 2,204,233; June 11.

Macdonald, Waldron S., assignor to The Foxboro Company, Foxboro, Mass. Recording and control apparatus. 2,203,689; June 11.

MacDougall, Archibald J., assignor to MacDougall Chemical Company, Toronto, Ontario, Canada. Electrolytic apparatus. 2,204,506; June 11.

MacDougall Chemical Company. (See MacDougall, Archibald J., assignor.)

Mack, Karl, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Inclined wharf for coke oven batteries. 2,204,022; June 11.

Mack, Perry E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Hand tractor. 2,203,735; June 11.

Maclagan, John C. M., assignor to Greenwood & Batley Limited, Leeds, England. Cold forging machine. 2,204,043; June 11.

Magazine Repeating Razor Company. (See Morris, W. T., and Kuhnl, assignors.)

Magee, Gerald M., Glen Ellyn, Ill. Spring clip rail fastener. 2,203,994; June 11.

Mahaffy, Frank G., Toronto, Ontario, Canada. Lifting truck. 2,203,872; June 11.

Mahler, Joseph. (See Land, E. H., and Mahler.)

Mahnken, Werner, Blankenfelde, Mahlow, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Tuning control for radio receivers. 2,203,736; June 11.

Main, Charles E., Kansas City, and L. Hanson, Carrollton, Mo.; said Hanson assignor to said Main. Stroboscopic distant indicator. 2,203,995; June 11.

Makepeace, D. E., Company. (See Doescher, Joe E., assignor.)

Malburn, Raymond S., Los Angeles, Calif. Embalming device. 2,203,832; June 11.

Mallory, Edward B., Tenafly, N. J. Mechanical aerator. 2,204,093; June 11.

Malloy, Frank J., Cleveland Heights, Ohio, assignor to General Electric Company. Sealing-in machine. 2,203,917; June 11.

Malm, Carl J., and G. F. Nadeau, assignors to Eastman Kodak Company, Rochester, N. Y. Separation of chlorinated compounds from liquids. 2,203,690; June 11.

Manhattan Company, Bank of the, Trustee. (See Brogden, Ernest M., assignor.)

Mann, Henry S., et al. (See Young, Otis W., assignor.)

Manning, Maxwell & Moore, Inc. (See Coburn, Clifton R., assignor.)

Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Control device. 2,203,691; June 11.

Marinsky, Davis. (See Morin, L. H., and Marinsky.)

Martin, Glenn L., Company, The. (See Driggs, Ivan H., assignor.)

Martin, Glenn L., Company, The. (See Phillips, Michael J., assignor.)

Martin, Joseph A., assignor to Vickers Incorporated, Detroit, Mich. Sealing ring. 2,204,507; June 11.

Martini, Hans. (See Teichmann, L., and Martini.)

Marvin, John T. (See Davis, J. H., Koehring, and Marvin.)

Mason, Howard F., assignor of one-half to A. Slater, Los Angeles, Calif. Parking device and method of operating. 2,204,023; June 11.

Mason, Lindsey H., Bala-Cynwyd, Pa. Process and apparatus for sulphur bleaching animal textile fiber. 2,204,044; June 11.

Masters, George, Selukwe, Southern Rhodesia, South Africa. Medicine bottle. 2,204,104; June 11.

Mastowski, Mary. (See Arm, Frederick E., assignor.)

Mathieson Alkali Works, Inc., The. (See Dorph, Kurt W. F., assignor.)

Matthies, August, Elbingerode, Harz, Germany. Electric lamp stand. 2,204,508; June 11.

Mawen Motor Corporation. (See Meyer André J., assignor.)

Maybach-Motorenwerke Gesellschaft mit beschrankter Haftung. (See Meyer, Gustav, assignor.)

McArthur, Elmer D., Schenectady, N. Y., and H. E. Rowe, Pittsfield, Mass., assignors to General Electric Company. Discharge device. 2,204,423; June 11.

McClellan, Fred C. (See Butler, Fred, assignor.)

McCoy, Dohrman. (See Peak, Ben H., assignor.)

McGavack, John. (See Gibbons, W. A., and McGavack.)

McHenry, John J., Detroit, assignor to Daisy Manufacturing Company, Plymouth, Mich. Piston for air guns. 2,204,372; June 11.

McIntosh, Roy E., assignor to Star Expansion Bolt Company, New York, N. Y. Making and assembling expansion shields. 2,204,373; June 11.

McKeever, Roy S., Tulsa, Okla., assignor, by mesne assignments, to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Oil and gas separator. 2,204,509; June 11.

McLaren, John H., New York, N. Y. Folder. 2,204,095; June 11.

McQuay-Norris Manufacturing Company. (See Mummert, Arden J., assignor.)

McWherter, Paul W. (See Walker, H. B., and McWherter.)

Meacham, Edward M., Elyria, Ohio, assignor to American Stove Company, St. Louis, Mo. Baking oven. 2,204,045; June 11.

Meeker Company, The. (See Leue, Bruno A., assignor.)

Megow, George E., South Milwaukee, and H. G. Thomson, assignors to Allen-Bradley Company, Milwaukee, Wis. Bendable electric lead. 2,203,996; June 11.

Megow, George E., South Milwaukee, and H. G. Thomson, assignors to Allen-Bradley Company, Milwaukee, Wis. Molded composition resistor. 2,203,997; June 11.

Meier, Edwin E., Hawthorne, N. J., assignor to William Skinner & Sons, common-law trust of Massachusetts. Lining for garments. 2,204,094; June 11.

Meinhardt, Maude E., Los Angeles, Calif. Crushing and grinding machine. 2,204,024; June 11.

Meister, George, Solothurn, Switzerland. Roller skate. 2,204,280; June 11.

Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,203,833; June 11.

Melville, James H., Miami, Fla. Pen lifting attachment for recording meters. 2,204,046; June 11.

Mendelsohn, Samuel, Brooklyn, N. Y. Photoflash synchronizer. 2,204,424; June 11.

Merckel, Frederick G., Montclair, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Purifying water. 2,204,225; June 11.

Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)

Mergens, George P., Manitowoc, Wis., assignor, by mesne assignments, to U-Need-A-Merchandiser, Inc., Brooklyn, N. Y. Vending machine. 2,203,834; June 11.

Merlin Corporation, The. (See Young, M. S., and Mewthwaite, assignors.)

Mershon, Alfred V., Schenectady, N. Y., assignor to General Electric Company. Vibration indicator. 2,204,425; June 11.

Metcalf, Herbert E., Walnut Creek, assignor to E. H. Kueffer, Oakland, Calif. Unitary signal switch. 2,204,096; June 11.

Metropolis Bending Company. (See Harrell, Clennie B., assignor.)

Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor. 2,204,374; June 11.

Meyer, André J., Lexington, Ky., assignor to Mawen Motor Corporation, New York, N. Y. Engine. 2,203,692; June 11.

Meyer, Gustav, assignor to Maybach-Motorenbau Gesellschaft mit beschrankter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Control device for change-speed gears. 2,204,143; June 11.

Meyer, Leonard S., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Formaldehyde-urea molding compositions. 2,203,794; June 11.

Meyer, Ludwig, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Piston locking device. 2,204,279; June 11.

Michiana Products Corporation. (See Burckhalter, Robert N., assignor.)

Miller, Max C., Cumberland, R. I. Knitting machine. 2,203,693; June 11.

Miller, Parks W., McKeesport, and W. A. Trosen, Clairton, Pa. Electric lamp fixture. 2,204,316; June 11.

Millspaugh, William H., assignor to Sandusky Foundry and Machine Co., Sandusky, Ohio. Papermaking machine. 2,204,426; June 11.
Milwaukee Gas Specialty Company. (See Mantz, Harold A., assignor.)
Minneapolis-Honeywell Regulator Co. (See Rudolph, Chester A., assignor.)
Minneci, Salvatore. (See Lennox, T. C., and Minneci.)
Minnesota Mining & Manufacturing Company. (See Drew, Richard G., assignor.)
Minor, Joseph H., University City, assignor of one-half to W. K. Bromley, St. Louis, Mo. Carbon remover. 2,203,835; June 11.
Mirla Tool Company. (See Glitsch, H. C., and Crickmer, assignors.)
Mishcon, Samuel. (See Aguinek, Harry, assignor.)
Mishcon, Samuel. (See Dupuis, Clyde, assignor.)
Moberg, Ivar O., Lowell, assignor to Nashua Manufacturing Company, Boston, Mass. Electrically heated blanket. 2,203,918; June 11.
Mohr, Roger W., Burlington, Wis. Control device for radio receiving. 2,204,186; June 11.
Möller, Rolf, assignor to the firm of Fernseh Aktien-Gesellschaft Zehlendorf, near Berlin, Germany. Synchronizing method. 2,204,427; June 11.
Möller, Rolf, Berlin-Zehlendorf, and F. Below, Klein Machnow Post Berlin-Zehlendorf, assignors to the firm of Fernseh Aktien-Gesellschaft Zehlendorf, near Berlin, Germany. Electron multiplier. 2,204,428; June 11.
Moloney, Raymond T. (See Breitenstein, C. J., and Nicolaus, assignors.)
Montague, Carroll H., Richmond, Va. Antiglare device for headlights. 2,204,429; June 11.
Montague, Carroll H., Richmond, Va. Antiglare device for headlights. 2,204,430; June 11.
Montgomery, James M., assignor to The Permutit Company, New York, N. Y. Volumetric feeder. 2,204,097; June 11.
Montgomery, Marjorie, Inc. (See Lutz, Marjorie M., assignor.)
Moore, Samuel S., Brooklyn, N. Y. Picture frame. 2,203,737; June 11.
Moore, William E., Pittsburgh, and G. L. Simpson, Coraopolis, assignors to Pittsburgh Research Corporation, Pittsburgh, Pa. Adsorption apparatus and method. 2,204,431; June 11.
Moore, William T., New York, N. Y., P. R. Cassidy, Short Hills, and R. M. Hardgrove and H. J. Kerr, Westfield, assignors to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,204,144; June 11.
Morgadanes, Dolores, New Orleans, La. Automobile tent. 2,204,432; June 11.
Morin, Louis H., and D. Marinsky, Bronx, assignors to Whitehall Patents Corporation, New York, N. Y. Separable fastener element and making the same. 2,203,694; June 11.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of motor fuel. 2,203,836; June 11.
Morris, Donald W. (See Batten, P. H., and Morris.)
Morris, William T., Great Neck, N. Y., and L. Kuhnl, Bridgeport, Conn., assignors to Magazine Repeating Razor Company, New York, N. Y. Razor. 2,203,837; June 11.
Morrison, Montford, Upper Montclair, N. J. Electronic distributor system. 2,204,375; June 11.
Mosshart, Donald J., Springfield, Pa., assignor of one-half to H. F. Hildreth, Long Meadow, Mass. Combustion apparatus. 2,204,317; June 11.
Moyer, Amos F. (See Bishop, G. F., and Moyer.)
Moyer, Amos F., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Power mower. 2,204,254; June 11.
Moyer, Amos F., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Lawn mower. 2,204,255; June 11.
Mueller Brass Co. (See Gray, J. E., Devereaux, and Parker, assignors.)
Mueller Co. (See Fawley, Elmer H., assignor.)
Mueller Co. (See Reedy, Emmett M., assignor.)
Mueller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, and M. Otto, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymers of high molecular weight and producing same. 2,203,873; June 11.
Mueller, Louis J., Martinsburg, W. Va., assignor to The Standard Lime and Stone Company, Baltimore, Md. Rotary kiln. 2,204,145; June 11.
Muller, J. C., N. V. (See Jähne, E. H., and Schleehahn, assignors.)
Mummert, Arden J., University City, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston expander. 2,204,025; June 11.
Muncie, Fred W., New Brunswick, N. J., and K. L. Russell, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Detergent. 2,204,433; June 11.
Munson, Joseph J., Houma, La. Rolling mill. 2,204,434; June 11.
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,204,146; June 11.
Murphy, Donald F., Bristol, assignor to Röhm & Haas Company, Philadelphia, Pa. Combination insecticide composition. 2,203,919; June 11.
Murphy, George B., and W. H. Hubner, Universal Oil Products Company, Chicago, Ill. Combustion of fuels. 2,203,838; June 11.
Murphy, Thomas J., Stamford, Conn. Reciprocating electric motor. 2,203,695; June 11.
Murray, Alexander, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic stencil material. 2,204,147; June 11.
Musaphia, Georges, Los Angeles, Calif., assignor to Animatagraph Corporation Limited, Charlottetown, Prince Edward Island, Canada. Animated display apparatus. 2,204,435; June 11.
Muskatt, Roy, et al. (See Anderson, Christ, assignor.)
Muzzey, David S., Jr., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Commutation system. 2,204,436; June 11.
N. V. Papierwarenfabrik Voorheen Gebrs. Hellema. (See Hellema, Jan C., assignor.)
Nachod & United States Signal Co. (See Richterkessing, Frank H., assignor.)
Nadeau, Gale F. (See Malm, C. J., and Nadeau.)
Nampa, Sulo M., Detroit, Mich., assignor, by mesne assignments, to Transportation Systems, Inc., Oklahoma City, Okla. Wheel structure. 2,203,965; June 11.
Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starter. 2,203,795; June 11.
Nardonne, Romeo M., East Orange, N. J., assignor by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,204,437; June 11.
Nash, Leonard W., Damascus, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y. Severing marginal trimmings as they are cut from sheet-metal strip. 2,203,738; June 11.
Nash-Kelvinator Corporation. (See Carney, Clifford R., assignor.)
Nashua Manufacturing Company. (See Moberg, Ivar O., assignor.)
National Cable & Metal Co. (See Brown, Kenneth F., assignor.)
National Malleable and Steel Castings Company. (See Newberry, Thomas E., assignor.)
Neeson, Charles R., Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Compressor mounting. 2,204,510; June 11.
Nelms, Joseph C., East Cleveland, Ohio. Treating sulphur bearing coals. 2,204,148; June 11.
Nelson, Rudolph S., Larchmont, N. Y., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,204,226; June 11.
Neufeld, Jacob, Tulsa, Okla. Position determining system and method. 2,204,438; June 11.
Newberry, Thomas E., Northumberland, Pa., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Oil conveying member for journal boxes. 2,204,376; June 11.
Newman, William E. (See Beizer, H. H., and Newman.)
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
New York Central Railroad Company, The. (See Knowlton, C. H., and Davies, assignors.)
Nicholson, Frederick A., and W. T. Pritchard, assignors to Stetson-Ross Machine Company, Seattle, Wash. Mechanism for machine finished matching or edge jointing lumber for stock of nonuniform width. 2,204,439; June 11.
Nicolaus, Frank G. (See Breitenstein, C. J., and Nicolaus.)
Nightingale, William J. (See Cooper, L. H., and Nightingale.)
Nightingale, William J., Flint Mich., assignor, by mesne assignments, to H. J. Forster, trustee for the Association of American Railroads. Automobile decking device. 2,204,377; June 11.
Nolan, Frank J., Bridgeport, Conn., assignor to Electro-Gas Corporation, Rochester, N. Y. Gas producing apparatus. 2,204,318; June 11.
Nordstrom, Sven J., Lafayette, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Valve. 2,204,440; June 11.
Nystrom, Karl F., Milwaukee, Wis. Generator suspension mechanism. 2,204,281; June 11.
O'Brian, Maurice. (See Kojola, H. V., and O'Brian.)
O'Donnell, Roland E., Midland, Tex., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Open hole packer. 2,204,378; June 11.
Ogilvie, Allan R., Oaklyn, N. J., assignor to Radio Corporation of America. Measurement of dielectrics. 2,203,839; June 11.
Ogilvie, William, Knowle, assignor to B. S. A. Tools Limited, Birmingham, England. Thread-cutting device for lathes. 2,204,441; June 11.
O'Grady, Daniel J., Los Angeles, assignor to H. J. Eastman, Long Beach, Calif. Expansion bit and reamer. 2,203,998; June 11.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Motor overload protection system. 2,203,920; June 11.

Ohls, Robert L., assignor to Reed Roller Bit Company, Houston, Tex. Governor. 2,203,874; June 11.
Older, Clifford, Wilmette, Ill. Concrete road joint. 2,203,999; June 11.
Olin, John F., Grosse Ile, Mich., assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Manufacture of detergents. 2,203,696; June 11.
Olson, Harry F., Audubon, N. J., assignor to Radio Corporation of America. Loud-speaker. 2,203,875; June 11.
Olson, Oscar R. (See Ritts, A. V., and Olson.)
O'Neil, William E., et al. (See Booty, Philip C. P., assignor.)
O'Neill, Edith L. (See O'Neill, Frank E., assignor.)
O'Neill, Frank E., assignor to E. L. O'Neill, Glendale, Calif. Perforating well casing and the like. 2,203,796; June 11.
Osborn, Stanley D. (See Dahl, O., and Osborn.)
Osier, Ernest S., Park Ridge, Ill., assignor, by mesne assignments, to General Time Instruments Corporation, New York, N. Y. Time recorder. 2,204,187; June 11.
Otis, Herbert C., Dallas, Tex. Scraping device. 2,203,966; June 11.
Ott, Emil, Elsmere, assignor to Hercules Powder Company, Wilmington, Del. Flotation reagent. 2,203,739; June 11.
Ott, Emil, New Castle, assignor to Hercules Powder Company, Wilmington, Del. Flotation of ores. 2,203,740; June 11.
Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Humidostat and like devices. 2,204,047; June 11.
Otto, Michael. (See Mueller-Cunradi, M., and Otto.)
Overstreet, Elvin L., Houston, and E. L. Harris, Park Place, Tex. Register system for watchmen. 2,203,741; June 11.
Overstrom, Gustave A., Big Sur, Calif. Vibrating screen structure. 2,204,379; June 11.
Overton, Valdy C., Houston, Tex. Current deflector. 2,203,742; June 11.
Package Machinery Company. (See Smith, E. L., and Wetsel, assignors.)
Padjen, Mike W., Georgetown, Calif. Infant's crib. 2,203,921; June 11.
Paisley, John H., Elmira, N. Y. Line coupling. 2,203,922; June 11.
Papiersackfabrik Rothrist A.-G. (See Pletscher, Willy, assignor.)
Parker, William M. (See Gray, J. E., Devereaux, and Parker.)
Parkersburg Rig & Reel Company, The. (See McKeever, Roy S., assignor.)
Parks-Cramer Company. (See Karlson, Alfred F., assignor.)
Parsons, Fred A., assignor to The Falk Corporation, Milwaukee, Wis. Machine tool transmission and control. 2,203,743; June 11.
Parsons, Raymond V., New York, N. Y., and A. L. Wilcox, Darien, Conn., assignors of one-third to G. E. Byer. Building construction. 2,204,319; June 11.
Pasternack, Richard, Brooklyn, N. Y., and P. P. Regna, North Bergen, N. J., assignors to Charles Pfizer & Company, Brooklyn, N. Y. Preparation of salts of 2-keto-aldonic acids. 2,203,923; June 11.
Patrick, Joseph M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam. 2,204,442; June 11.
Paul, Homer E. (See Schuster, F. E., and Paul.)
Peak, Ben H., assignor of one-third to D. McCoy, Simi, Calif. Valve spring tool. 2,204,443; June 11.
Pearson, Carl E., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,203,797; June 11.
Pease, C. F., Company, The. (See Brunk, Harold J., assignor.)
Peddrick, Charles H., Jr., Northville, assignor to Feldspathic Research Corporation, New York, N. Y. Insecticide. 2,203,744; June 11.
Pedery, Joseph, New York, N. Y. Tobacco pipe. 2,204,282; June 11.
Pennsylvania Industrial Engineers. (See Ritts, A. V., and Olson, assignors.)
People in the Territory of the United States, Dedicated to the free use of the. (See Gould, S. P., and Whittier.)
People of the United States of America, Dedicated to the free use of the. (See Humfeld, H., Kettering, and Elmquist.)
People of the United States of America, Dedicated to the free use of the. (See Whittier, E. O., and Gould.)
Perkins, F., Limited. (See Chapman, Charles W., assignor.)
Perkins, Maynard F., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for retaining contact masses in tubular elements. 2,203,840; June 11.
Permutit Company, The. (See Applebaum, Samuel B., assignor.)
Permutit Company, The. (See Dean, John G., assignor.)
Permutit Company, The. (See Montgomery, James M., assignor.)
Persons, Lawrence M., assignor, by mesne assignments, to Automatic Control Corporation, St. Louis, Mo. Thermoresponsive device. 2,203,841; June 11.
Peters, Jacob H. (See Beason, Edward E., assignor.)
Peters, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna stay arrangement. 2,204,026; June 11.
Peterson, Arthur E., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 2,203,876; June 11.
Petters Limited. (See Brooks, Herbert, assignor.)
Peyton, Bernard, Queens Village, N. Y. Signal device for vehicles. 2,204,027; June 11.
Pfizer, Charles, & Company. (See Pasternack, R., and Regna, assignors.)
Phelps, William A., Dayton, Ohio. Electric razor. 2,204,444; June 11.
Phillips, Edmond J. (See Evans, J. M., and Phillips.)
Phillips, Michael J., Cleveland, Ohio, assignor to The Glenn L. Martin Company, Baltimore, Md. Valve. 2,204,048; June 11.
Phillips Petroleum Company. (See Legatski, Harold R., assignor.)
Phillips Petroleum Company. (See Schulze, Walter A., assignor.)
Picha, Emil, assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Mowing machine for bent turfs. 2,204,256; June 11.
Pier, Mathias, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of low boiling motor fuels. 2,203,842; June 11.
Pierce, Erold F., Pines Lake, N. J., assignor to Wright Aeronautical Corporation. Multispeed supercharger. 2,203,843; June 11.
Pierce, Harold C., Pomona, Calif. Rail car mover. 2,204,000; June 11.
Pierik, Jan, Indianapolis, Ind. Rotary tool chuck. 2,203,967; June 11.
Pintsch, Julius, Kommanditgesellschaft. (See Wilckens, Ernst, assignor.)
Pittsburgh Research Corporation. (See Moore, W. E., and Simpson, assignors.)
Planskoy, Léonti, Paris, France. Production of images which are geometrically equivalent, applicable to photography and to cinematography. 2,204,049; June 11.
Plaskon Company. (See Cordier, David E., assignor.)
Plaskon Company. (See Meyer, Leonard S., assignor.)
Plaskon Company. (See Simons, John K., assignor.)
Pletscher, Willy, Rothrist-Lehen, assignor to Papiersackfabrik Rothrist A.-G., Rothrist, Canton Aargan, Switzerland. Closure for paper bags. 2,203,924; June 11.
Plumb, Charles C., Cranston, R. I. Telephone message recording and reproducing apparatus. 2,203,877; June 11.
Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)
Poirier, Ernest, Waterville, Maine. Stock regulating apparatus for paper machines. 2,203,925; June 11.
Polaroid Corporation. (See Land, E. H., and Mahler, assignors.)
Poor & Company. (See Gallagher, John J., assignor.)
Porter, H. K., Inc. (See Porter, H. W., and Lind, assignors.)
Porter, Henry W., Brookline, and F. T. Lind, Everett, assignors to H. K. Porter, Inc., Everett, Mass. Pole pruner and like tools. 2,203,926; June 11.
Posada Zendejas, Eduardo, Mexico, D. F., Mexico, assignor to Electrol S. A. Protective device for electrical circuits. 2,203,853; June 11.
Potts, Allen D., Lockport, N. Y., and D. Simonds, Hollis, N. H., assignors to Simonds Saw and Steel Co., Fitchburg, Mass. Tool steel. 2,204,283; June 11.
Powell, Samuel F. (See Schwab, J. W., Powell, and Smith.)
Powers, Joseph B., Flushing, N. Y. Valve. 2,204,257; June 11.
Pratt, Richard H., Mobile, Ala. Permanent cotton bale identifying means. 2,204,149; June 11.
Pray, Gordon D., assignor to Globe Knitting Works, Grand Rapids, Mich. Underwear. 2,204,380; June 11.
Pressman, J., & Co. (See Ferrary, Ferdinand F., assignor.)
Prest-O-Lite Company, The. (See Kojola, H. V., and O'Brian, assignors.)
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,204,445; June 11.
Pritchard, Wilmot T. (See Nicholson, F. A., and Pritchard.)
Procter & Gamble Company, The. (See Burt, Robert V., assignor.)
Prosperity Company Inc., The. (See Zimarik, Louis, assignor.)
Purington, Ellison S., Gloucester, Mass., assignor to J. H. Hammond, Jr. Privacy signaling system. 2,204,050; June 11.
Quattrociocche, Robert B., Steubenville, Ohio. Musical instrument. 2,204,150; June 11.
Radio Corporation of America. (See Allen, Victor O., assignor.)
Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Beizer, H. H., and Newman, assignors.)

Radio Corporation of America. (See Blain, Albert, assignor.)
Radio Corporation of America. (See Carter, Philip S., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Eaglesfield, Charles C., assignor.)
Radio Corporation of America. (See Eaton, Warren S., assignor.)
Radio Corporation of America. (See George, Ralph W., assignor.)
Radio Corporation of America. (See Guedon, Emile C., assignor.)
Radio Corporation of America. (See Hickok, Willard H., assignor.)
Radio Corporation of America. (See Janes, Robert B., assignor.)
Radio Corporation of America. (See Kamenarovic, Leone, assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Landon, Vernon D., assignor.)
Radio Corporation of America. (See Loughren, A. V., and Smith, assignors.)
Radio Corporation of America. (See Ogilvie, Allan R., assignor.)
Radio Corporation of America. (See Olson, Harry F., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Rosenberg, Albert L., assignor.)
Radio Corporation of America. (See Sachtleben, Lawrence T., assignor.)
Radio Corporation of America. (See Sherman, Jesse B., assignor.)
Radio Corporation of America. (See Shore, Henry, assignor.)
Radio Corporation of America. (See Stone, Fred B., assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See Walker, Louis E. Q., assignor.)
Radio Corporation of America. (See Wolf, Lester J., assignor.)
Radio Corporation of America. (See Wolff, Irving, assignor.)
Radtke, Max, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Production of water gas. 2,204,001; June 11.
Railway and Industrial Engineering Company. (See Carlisle, George L., assignor.)
Ralston, Anderson W., and J. Harwood, Chicago, and E. W. Hopkins, Hinsdale, assignors to Armour and Company, Chicago, Ill. Insecticide. 2,204,511; June 11.
Ralston, James V., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake. 2,204,105; June 11.
Rankin, Armand T., assignor of one-half to G. L. Canfield, Indianapolis, Ind. Coal stoker. 2,203,844; June 11.
Rattan Manufacturing Company, The. (See Coleman, Orville K., assignor.)
Reed Roller Bit Company. (See Ohls, Robert L., assignor.)
Reed Roller Bit Company. (See Stancliff, Thomas H., assignor.)
Reedy, Emmett M., Los Angeles, Calif., assignor to Mueller Co., Decatur, Ill. Flow control unit. 2,204,106; June 11.
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Broiler construction. 2,204,381; June 11.
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Regna, Peter P. (See Pasternack, R., and Regna.)
Reilly-Whiteman-Walton Company. (See Bowles, Albert F., assignor.)
Reinhold, B. (See Abegg, Walter A., assignor.)
Research Corporation. (See Harris, Wilbur T., assignor.)
Retco, Inc. (See Toop, Frederick, assignor.)
Rheinauer, Ernest. (See Stapp, Joseph, assignor.)
Richardson, Clarence H., Peoria, Ill. Paper cutter. 2,204,227; June 11.
Richeda, Oreste P., Hanford, Calif. Accordion stand. 2,204,028; June 11.
Richterkessing, Frank H., assignor to Nachod & United States Signal Co., Incorporated, Louisville, Ky. Traffic signal. 2,204,228; June 11.
Ricketts, James R., Oakland, Calif. Spigot for wine casks and the like. 2,203,968; June 11.
Riddell, John T., Chicago, Ill. Construction and anchoring shoe cleats. 2,203,969; June 11.
Riester, Oskar, Dessau-Ziebigk, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Polymethine dyes. 2,204,188; June 11.
Rinkel, Paul, Berlin-Charlottenburg, Germany, assignor to H. Weill, New York, N. Y. Hollow bodies capable of being produced by folding sheet material. 2,203,697; June 11.
Ritter, Heinrich. (See Fleischhauer, R., and Ritter.)
Ritts, Arch V., Allison Park, and O. R. Olson, Swissvale, assignors to Pennsylvania Industrial Engineers, Pittsburgh, Pa. Immersion burner. 2,204,051; June 11.
Robert, Ernest. (See Issartel, J., and Robert.)
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Directive signaling. 2,204,052; June 11.
Robinson, Harry C., Chattanooga, Tenn. Display rack. 2,204,446; June 11.
Robissa S. A. (See Issartel, J., and Robert, assignors.)
Rodefer Glass Company, The. (See Rodefer, H. H., and Vaupel, assignors.)
Rodefer, Howard H., and H. Vaupel, assignors to The Rodefer Glass Company, Bellaire, Ohio. Molding apparatus. 2,204,151; June 11.
Rodene, Walford S., Oskaloosa, Iowa. Heat actuated clip for holding cigarettes and the like. 2,203,745; June 11.
Röhm & Haas Company. (See Bruson, Herman A., assignor.)
Röhm & Haas Company. (See Murphy, Donald F., assignor.)
Röhm & Haas Company. (See Russell, A., and Copenhaver, assignors.)
Röhm & Haas Company. (See Smith, Earl W., assignor.)
Röhm & Haas Company. (See Walker, H. B., and McWherter, assignors.)
RoKo Corporation. (See Coberly, Clarence J., assignor.)
Romaine, Millard, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Broaching machine. 2,203,798; June 11.
Romanski, Henry, New Orleans, La. Refrigeration. 2,204,382; June 11.
Roosenstein, Hans O., Berlin-Tempelhof, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio frequency distribution system. 2,203,746; June 11.
Roper, Geo. D., Corporation. (See Larson, Swan E., assignor.)
Rose Patch & Label Co. (See Rosenthal, Arthur, assignor.)
Rosenberg, Albert L., Oaklyn, N. J., assignor to Radio Corporation of America. Electrical testing system. 2,203,878; June 11.
Rosenfeld, Jacob L. (See Frederick, Joseph M., assignor.)
Rosenthal, Arthur, assignor to Rose Patch & Label Co., Grand Rapids, Mich. Apparatus for cutting, folding, and creasing labels. 2,204,189; June 11.
Rossander, Swanie S., and C. E. Sparks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,204,229; June 11.
Rossander, Swanie S., and C. E. Sparks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,204,230; June 11.
Rowe, Hobart E. (See McArthur, E. D., and Rowe.)
Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,204,002; June 11.
Rubinstein, Wilton, Clayton, Mo., assignor of one-half to said Rubinstein as trustee, and Edward Greensfelder, as cotrustee. Collar, cuff, and the like. 2,204,152; June 11.
Rudolph, Chester A., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Combination thermostatic switch. 2,204,231; June 11.
Rummel, Roman, Ruhland, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Production of water gas. 2,204,003; June 11.
Russell, Alfred, and J. W. Copenhaver, assignors to Röhm & Haas Company, Philadelphia, Pa. Tanning material. 2,204,512; June 11.
Russell, Charles V., Miles City, Mont. Mixer. 2,204,029; June 11.
Russell, Kenneth L. (See Muncle, F. W., and Russell.)
Rutherford, Paul H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Electric motor. 2,203,927; June 11.
Ryan, George F., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Nibbling machine. 2,204,258; June 11.
Ryan, William D., and R. H. Hendrickson, Rochester, N. Y. Machine for decoding symbols. 2,204,153; June 11.
Ryland, Robert B., et al. (See Chapman, Arthur J., assignor.)
Sachtleben, Lawrence T., Camden, N. J., assignor to Radio Corporation of America. Sound film printer. 2,203,879; June 11.
Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Manufacture of printing rolls. 2,204,383; June 11.
Salisbury, Henry M., Hawthorne, N. J. Adhesive composition and preparing the same. 2,204,384; June 11.
Samans, Walter, Philadelphia, Pa., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Heat exchange apparatus. 2,204,447; June 11.
Samerdyke, Fred J. (See Bergmann, R. F., Walters, and Samerdyke.)
Sandberg, Rolf A. F. (See Erbguth, P. F. K., and Sandberg.)
Sandberg, Rolf A. F. (See Erbguth, P. F. K., Sandberg, and Smith.)

Sandberg, Rolf A. F., and P. F. K. Erbguth, Brooklyn, and E. S. Smith, Jr., St. Albans, assignors to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Safety control vulcanizer presses. 2,204,513; June 11.
Sandoz Chemical Works, Inc. (See Stern, Ernest R., assignor.)
Sandstone, Harvey D., Los Angeles, Calif. Laminated disk drill bit. 2,203,747; June 11.
Sandusky Foundry and Machine Co. (See Millspaugh, William H., assignor.)
Savoye, Charles U., Hackensack, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange device. 2,204,154; June 11.
Savoye, Charles U., Hackensack, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange device. 2,204,155; June 11.
Sawyer, Charles B. (See Kjellgren, B. R. F., and Sawyer.)
Say, James, Hammersmith, London, England. Twist drill and like metal-cutting tools. 2,204,030; June 11.
Scheib, Ludwig. (See Browall, B. H., and Scheib.)
Schindelbeck, Valentine, Boonton, N. J. Combination dispenser. 2,203,880; June 11.
Schleehahn, Rudolf E. (See Jähne, E. H., and Schleehahn.)
Schlichenmaier, Hans, and L. W. Berlin, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. Vat dyestuffs of the anthraquinoneacridone series. 2,204,232; June 11.
Schlote, Guido F., Milwaukee, Wis., assignor to The Automatic Power Transmission Company, Inc., Ogden, Utah. Transmission. 2,204,514; June 11.
Schlumberger Well Surveying Corporation. (See Jakosky, J. J., and Lyons, assignors.)
Schmid, Carl J., assignor to Julius Schmid, Inc., New York, N. Y. Container venting means. 2,204,448; June 11.
Schmid, Julius, Inc. (See Schmid, Carl J., assignor.)
Schmidt, Martin, Weende, near Gottingen, and K. Gmöhling, Gottingen, Germany. Self-locking nut. 2,204,385; June 11.
Schmidt, Wilhelm, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Coke oven charging-hole closure construction. 2,203,698; June 11.
Schneider, Charles C., St. Louis, Mo. Cloth laying machine. 2,203,970; June 11.
Schoenwetter, Reinhold D., Clarendon, Va., assignor to Swirling Heat, Inc. Ignition means for oil burners. 2,204,450; June 11.
Schoenwetter, Reinhold D., Clarendon, Va., assignor to Swirling Heat, Inc. Oil burner. 2,204,451; June 11.
Schug, Howard L., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,204,233; June 11.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 2,203,928; June 11.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 2,204,320; June 11.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbon oils. 2,204,234; June 11.
Schuster, Fred E., Cincinnati, and H. E. Paul, Sharonville, Ohio. Spinal adjustment device. 2,204,259; June 11.
Schwab, James W., S. F. Powell, and G. Smith, Newgulf, assignors to Texas Gulf Sulphur Company, Houston, Tex. Solidification of sandy soils. 2,203,881; June 11.
Schwarz, Bertram A. (See De Roo, W. C., Schwarz, and Agramonte.)
Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Catalyst and producing the same. 2,204,157; June 11.
Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Continuous reactor. 2,204,156; June 11.
Seppelfricke, Otto, Gelsenkirchen, Germany. Stopcock. 2,204,452; June 11.
Seright, Carl G., assignor to Bendix Radio Corporation, Chicago, Ill. Remote control device. 2,204,054; June 11.
Serio, Anthony W. (See Serio, Harry P. and A. W.)
Serio, Harry P. and A. W., Elmira, N. Y. Percolator strainer basket for coffeepots. 2,204,158; June 11.
Servel, Inc. (See Andersson, Sven W. E., assignor.)
Service Devices Corporation. (See Iftiger, H. J., and Cook, assignors.)
Sewall, Arthur C., Auburn, Maine. Platform shoe and platform for use in the same. 2,204,159; June 11.
Seymour, George W., and B. B. White, Cumberland, Md., assignors to Celanese Corporation of America. Fibrous acetone soluble cellulose acetate of 58–60% acetyl content. 2,203,699; June 11.
Seymour, George W., and B. B. White, Cumberland, Md., assignors to Celanese Corporation of America. Preparation of cellulose esters of high acyl value. 2,203,700; June 11.
Seymour, George W., and B. B. White, Cumberland, Md., assignors to Celanese Corporation of America. Production of cellulose esters. 2,203,748; June 11.
Seymour, George W., and B. B. White, Cumberland, Md., assignors to Celanese Corporation of America. Stabilizing organic ester of cellulose of high acyl values. 2,203,749; June 11.
Shaffer, Charles A., Hays, Pa. Work handling apparatus. 2,203,799; June 11.
Shapiro, Isadore, assignor to The Athletic Shoe Company, Chicago, Ill. Athletic shoe. 2,203,929; June 11.
Sharpless Solvents Corporation, The. (See Olin, John F., assignor.)
Shaw, William. (See Bennett, William B., assignor.)
Shell Development Company. (See Greensfelder, B. S., and Shiras, assignors.)
Shell Development Company. (See Lawton, H. C., and Loomis, assignors.)
Shell Development Company. (See Limerick, D. A., and Lawton, assignors.)
Shell Development Company. (See Muzzey, David S., Jr., assignor.)
Shell Development Company. (See Straatman, Alphons G. H., assignor.)
Shell Oil Company. (See Whitmire, Homer E., assignor.)
Shelton, Donald D., Portland, Oreg. Anti-thumb-sucking device. 2,204,235; June 11.
Shepherd, Alfred W., Maplewood, N. J. Control device. 2,204,161; June 11.
Shepherd, Solomon W., Oakland, Calif. Amusement device. 2,203,971; June 11.
Shepherd, Thomas L., London, England. Rubber process and product. 2,203,701; June 11.
Sherman, Jesse B., New York, N. Y., assignor to Radio Corporation of America. Measuring system. 2,203,750; June 11.
Shiras, Russell N. (See Greensfelder, B. S., and Shiras.)
Shonnard, Harold W., Montclair, N. J. Conveyer mechanism. 2,204,236; June 11.
Shore, Henry, Elizabeth, N. J., assignor to Radio Corporation of America. Photoamplifier system. 2,203,882; June 11.
Siegel, Jane, New York, N. Y. Moistening apparatus for sealing adhesive surfaces and the like. 2,204,190; June 11.
Siegert, Walter, assignor to Howard Foundry Co., Chicago, Ill. Making abrasive castings. 2,204,453; June 11.
Siegrist, Carl J., Stockton, Kans. Game apparatus. 2,204,321; June 11.
Siemens & Halske Aktiengesellschaft. (See Töpfer, Herbert, assignor.)
Siemens & Halske Aktiengesellschaft. (See Urban, Richard, assignor.)
Siemens & Halske Aktiengesellschaft. (See Wochinger, Eduard, assignor.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Barth, Gustav, assignor.)
Sifakas, Constantin A., New York, N. Y. Poultry nest. 2,204,284; June 11.
Signaphone Corporation of America. (See Lightfoot, Richard D., assignor.)
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Lister. 2,203,972; June 11.
Simonds, Daniel. (See Potts, A. D., and Simonds.)
Simonds Saw and Steel Co. (See Potts, A. D., and Simonds, assignors.)
Simons, Abraham, New York, N. Y. Method of and apparatus for drawing wire. 2,203,751; June 11.
Simons, John K., Dormont, Pa., assignor to Plaskon Company, Inc., Toledo, Ohio. Formaldehyde-urea molding composition. 2,203,800; June 11.
Simpson, George L. (See Moore, W. E., and Simpson.)
Sinclair Refining Company. (See Smith, Reading B., assignor.)
Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,204,055; June 11.
Skinner, William, & Sons. (See Meier, Edwin E., assignor.)
Slack, Charles M., Glen Ridge, and G. G. Cromartie, Maplewood, N. J. Alarm cable and switch. 2,204,237; June 11.
Slater, August E. (See Mason, Howard F., assignor.)
Sletten, Kermit M., Willmar, Minn. Door latch mechanism. 2,203,845; June 11.
Sloan Valve Company. (See Sloan, W. E., and Bellamy, assignors.)
Sloan, William E., River Forest, and J. I. Bellamy, Brookfield, assignors to Sloan Valve Company, Chicago, Ill. Flush valve. 2,204,191; June 11.
Smetana, Otto F., Philadelphia, assignor, by mesne assignments, to Textile Machine Works, Wyomissing, Pa. Straight knitting machine. 2,204,322; June 11.
Smidth, F. L., & Company. (See Andersen, Joakin U. F., assignor.)
Smith, Burns L., Los Angeles, Calif. Platen and manufacturing the same. 2,203,752; June 11.
Smith, Earl W., assignor to Röhm & Haas Company, Philadelphia, Pa. Sulphation of higher alcohols. 2,204,323; June 11.
Smith, Ed S., Jr. (See Erbguth, P. F. K., Sandberg, and Smith.)
Smith, Ed. S., Jr. (See Sandberg, R. A. F., Erbguth, and Smith.)
Smith, Elmer L., Longmeadow, and C. Wetsel, assignors to Package Machinery Company, Springfield, Mass. Article forwarding device for wrapping machines. 2,204,162; June 11.
Smith, Frank J., Louisville, Ky., assignor to Standard Oil Company, Chicago, Ill. Petroleum distillation. 2,203,930; June 11.
Smith, Guy. (See Schwab, J. W., Powell, and Smith.)
Smith, Jerome C. (See Loughren, A. V., and Smith.)

Smith, John F., Quincy, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Pressing machine for use in footwear manufacture. 2,204,386; June 11.
Smith, Reading B., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Gasoline recovery. 2,204,285; June 11.
Smith, Rulo W., Auburn, Ind. Apparatus for calibrating measuring instruments. 2,204,260; June 11.
Sohngen, Louis C., assignor to The Las-Stik Manufacturing Company, Hamilton, Ohio. Wood putty. 2,204,324; June 11.
Solomon, Harry D., and F. Humer, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Sliding top. 2,203,931; June 11.
Sparks, Chiles E. (See Rossander, S. S., and Sparks.)
Spatta, George. (See Gettig, J. H., and Spatta.)
Specht, Randolph C., St. Albans, assignor to Barium Reduction Corporation, Charleston, W. Va. Making barium chloride. 2,204,192; June 11.
Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)
Spicer, William E., and R. N. Watts, Baton Rouge, La., assignors to Standard-I. G. Company. Reclaiming catalysts. 2,204,193; June 11.
Square D Company. (See Kollsman, Paul, assignor.)
Stahlecker, Wilhelm, Stuttgart-Bad Cannstatt, assignor to Vereinigte Kugellagerfabriken A. G., Schweinfort, Werk Bad-Cannstatt, Germany. Roll for textile machinery. 2,204,515; June 11.
Stahly, Eldon E., and E. M. Hattox, Baton Rouge, La., assignors to Standard Oil Development Company. Alkylation process. 2,204,194; June 11.
Stahly, Grant L., and W. W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del. Making ether and ester derivatives of polysaccharides synthesized through bacterial action. 2,203,702; June 11.
Stahly, Grant L., and W. W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del. Ethers of dextran. 2,203,703; June 11.
Stahly, Grant L., and W. W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del. Chemical method of etherifying dextran. 2,203,704; June 11.
Stahly, Grant L., and W. W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del. Soluble benzyl ether of dextran. 2,203,705; June 11.
Staley, Joseph H., assignor to Electric Switch Corporation, Columbus, Ind. Centrifugal control. 2,204,325; June 11.
Stancliff, Thomas H., assignor to Reed Roller Bit Company, Houston, Tex. Drill. 2,203,846; June 11.
Standard-I. G. Company. (See Spicer, W. E., and Watts, assignors.)
Standard Lime and Stone Company, The. (See Mueller, Louis J., assignor.)
Standard Oil Company. (See Smith, Frank J., assignor.)
Standard Oil Development Company. (See Stahly, E. E., and Hattox, assignors.)
Standard Oil Development Company. (See Steik, Karl T., assignor.)
Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)
Standard Products Company, The. (See Husted, Harry A., assignor.)
Standard Railway Equipment Manufacturing Company. (See Finger, Paul E., assignor.)
Standard Railway Equipment Manufacturing Company. (See Swanson, Earl R., assignor.)
Stapp, Joseph, Sunnyside, Long Island, assignor of one-half to E. Rheinauer, New York, N. Y. Heel brace. 2,204,160; June 11.
Star Expansion Bolt Company. (See McIntosh, Roy E., assignor.)
Steele, James W., North Kansas City, Mo. Collar or neckband support. 2,204,004; June 11.
Steenholdt, Raymond C., Canton, S. Dak. Battery terminal quick action clip. 2,204,387; June 11.
Steik, Karl T., Montclair, N. J., assignor to Standard Oil Development Company. Oil-insoluble reaction product of an alkanol amine and petroleum sulphonic acids. 2,204,326; June 11.
Steindorff, Adolf, G. Balle, and P. Heimke, Frankfort-on-the Main, and K. Horst, Hofheim in Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Sulphuric acid esters of alcohol ethers containing carbocyclic group. 2,203,883; June 11.
Steiner, Helmut, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Picture telegraph apparatus. 2,204,238; June 11.
Steiner, Louis, New York, assignor to U-Need-A-Merchandiser, Inc., Brooklyn, N. Y. Dispensing mechanism for vending machines. 2,203,847; June 11.
Steiner, Waldo L. (See Lincoln, B. H., and Steiner.)
Steinmetz, George, assignor to Catholic Diocese of Green Bay, Green Bay, Wis. Concrete mold. 2,204,195; June 11.
Sterling Corporation, The. (See Bowser, Percy L., Jr., assignor.)
Sterling Corporation, The. (See Flammang, J., and Bowser, assignors.)
Sterling Products Company. (See Kehle, Ottmar A., assignor.)
Stern, Ernest R., Forest Hills, assignor to Sandoz Chemical Works, Inc., New York, N. Y. Producing suede finish. 2,204,262; June 11.
Stetson-Ross Machine Company. (See Nicholson, F. A., and Pritchard, assignors.)
Steuber, George A., Penfield, N. Y., assignor to Despatch Shops, Inc. Car ladder. 2,204,163; June 11.
Steuber, George A., Penfield, N. Y., assignor to Despatch Shops, Inc. Ice hatch for refrigerator cars. 2,204,164; June 11.
Steuber, George A., Penfield, N. Y., assignor to Despatch Shops, Inc. Floor rack for refrigerator cars. 2,204,165; June 11.
Stevens, Jacob, New York, N. Y. Ornamental indoor aerial. 2,204,286; June 11.
Stevenson, Sven, Buffalo, N. Y. Automobile radio mast. 2,204,031; June 11.
Stewart, Lemuel L., Elkhart, Ind., assignor to The Adlake Company. Lighting fixture for railway cars and the like. 2,204,327; June 11.
Steyskal, Herbert, Berlin, Germany, assignor to General Electric Company. Photoelectric tube. 2,204,388; June 11.
Stockbarger, Donald C., Belmont, assignor to Stockton Profile Gauge Corporation, Lowell, Mass. Method of and apparatus for maintaining web alignment. 2,203,706; June 11.
Stockton Profile Gauge Corporation. (See Stockbarger, Donald C., assignor.)
Stone, Arthur P., Akron, assignor to The Wright Tool and Forge Company, Barberton, Ohio. Battery post scraper. 2,204,516; June 11.
Stone, Fred B., Haddon Heights, N. J., assignor to Radio Corporation of America. Tuning indicator circuit. 2,204,056; June 11.
Stone, Stanley H., assignor to Buffalo Forge Company, Buffalo, N. Y. Holding or stripping mechanism for shearing machines. 2,203,884; June 11.
Straatman, Alphons G. H., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Method and apparatus for determining the nature of borehole fluids. 2,204,196; June 11.
Strain, Daniel E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Low molecular weight methacrylic acid ester polymers. 2,204,517; June 11.
Strandt, Gustav E., Milwaukee, Wis. Sash drain. 2,203,753; June 11.
Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
Suchy, Robert, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Hardening steel wires. 2,204,005; June 11.
Supreme Knitting Machine Co. (See Agulnek, Harry, assignor.)
Supreme Knitting Machine Co. (See Dupuis, Clyde.)
Svenska Aktiebolaget Bromsregulator. (See Browall, B. H., and Schelb, assignors.)
Swank, Arthur L., Detroit, Mich., deceased; N. L. Swank, special administratrix, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Closure device for sealed cooling system. 2,203,801; June 11.
Swank, Nellie L., administratrix. (See Swank, Arthur L., assignor.)
Swanson, Earl R., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Hatch closure. 2,204,328; June 11.
Swanson, Oscar W., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Calculating machine keyboard. 2,204,239; June 11.
Swartz, Paul, Mamaroneck, N. Y. Pulverizing mill. 2,204,057; June 11.
Swett, Walter W., Takoma Park, Md. Folding table. 2,204,107; June 11.
Swift, George W., Jr., Inc. (See Bruker, Hobart W., assignor.)
Swirling Heat, Inc. (See Schoenwetter, Reinhold D., assignor.)
Syracuse Chilled Plow Co. (See Young, Austin E., assignor.)
Tagliabue, Charles J., Mfg. Co. (See Erbguth, P. F. K., and Sandberg, assignors.)
Tagliabue, Charles J., Mfg. Co. (See Erbguth, P. F. K., Sandberg, and Smith, assignors.)
Tagliabue, Charles J., Mfg. Co. (See Sandberg, R. A. F., Erbguth, and Smith, assignors.)
Talt, Wilfred E., Milford, assignor to General Arts, Incorporated, Westport, Conn. Spool winding means for cameras. 2,204,518; June 11.
Taylor, James, Oklahoma City, Okla. Aligning and locking means for flooring strips. 2,203,932; June 11.
Taylor, William J., and C. A. Hennessy, Syracuse, assignors to Joe Lowe Corporation, New York, N. Y. Apparatus for simultaneously cutting a plurality of confectionery products. 2,204,519; June 11.
Teichmann, Ludwig, and H. Martini, Leverkusen-I. G. Werk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Decomposing zirconium ore. 2,204,454; June 11.
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Andrieu, Robert, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Benecke, Heinrich, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Geiger, Max, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Gerlach, Erwin, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Mahnken, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Peters, Wilhelm, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Teleregister Corporation. (See Herbst, John A., assignor.)
Tennant, Roger L., Dallas, Tex. Dispensing apparatus for storage tanks. 2,204,329; June 11.
Ternstedt Manufacturing Company. (See Hickman, John G., assignor.)
Ternstedt Manufacturing Company. (See Solomon, H. D., and Humer, assignors.)
Terry, Herbert, & Sons Limited. (See Carwardine, George, assignor.)
Texas Gulf Sulphur Company. (See Schwab, J. W., Powell and Smith, assignors.)
Textile Machine Works. (See Smetana, Otto F., assignor.)
Thaler, Wilhelm, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co. Inc., New York, N. Y. Device for bringing the stock stream upon the screen of a paper making machine. 2,203,802; June 11.
Thomas, George J., Birmingham, Mich. Hydraulic operator. 2,203,754; June 11.
Thompson, Charles F., Dumbarton, Va. Totalizing mechanism for voting apparatus. 2,203,707; June 11.
Thompson, Frank S., assignor to T. C. Thompson & Son, Limited, Manchester, England. Inking arrangement of platen printing presses. 2,203,848; June 11.
Thompson, T. C., & Son, Limited. (See Thompson, Frank S., assignor.)
Thomson, Homer G. (See Megow, G. E., and Thomson.)
Thoresen, Edwin H., assignor to William Thoresen Company, Chicago, Ill. Manufacturing ornamental corner pieces. 2,204,263; June 11.
Thoresen, William, Company. (See Thoresen, Edwin H., assignor.)
Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Accelerator pedal. 2,203,933; June 11.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Vegetable oil refining. 2,204,109; June 11.
Tietz, Hans. (See Werner, M., and Tietz.)
Timken-Detroit Axle Company, The. (See Wilber, Carl L., assignor.)
Todd, Francis N., and K. W., Emerson, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Apparatus for sealing cartons. 2,203,901; June 11.
Toledo Scale Manufacturing Company. (See Hem, Halvor O., assignor.)
Toledo Scale Manufacturing Company. (See Hurt, Samuel N., assignor.)
Toop, Frederick, York, Pa., assignor to Petco, Inc., York, Pa. Motor-seating carriage for portable electric machines. 2,204,110; June 11.
Töpfer, Herbert, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany. Telephone system. 2,203,755; June 11.
Toro Manufacturing Corporation of Minnesota. (See Bishop, G. F., and Moyer, assignors.)
Toro Manufacturing Corporation of Minnesota. (See Moyer, Amos F., assignor.)
Toro Manufacturing Corporation of Minnesota. (See Picha, Emil, assignor.)
Touton, Rush D., Cynwyd, assignor to Wurton Machine Company, Philadelphia, Pa. Method and apparatus for conditioning tobacco. 2,204,240; June 11.
Townsend, Roy C., La Crosse, Wis. Trailer. 2,204,108; June 11.
Transportation Systems, Inc. (See Nampa, Sulo M., assignor.)
Travis, Paul H., Detroit, Mich. Door check. 2,204,330; June 11.
Travis, Paul H., Detroit, Mich. Door check. 2,204,331; June 11.
Trent, Harold E., Philadelphia, Pa. Vane type heater. 2,204,332; June 11.
Trist, Arthur R., Chipstead, England. Printing plate. 2,203,849; June 11.
Trix, Herbert B., et al. (See Weinhardt, Robert A., assignor.)
Tropsch, Hans, deceased, by C. W. von Helmolt, administrator de bonis non, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,203,850; June 11.
Trosen, Walter A. (See Miller, P. W., and Trosen.)
Trumbull Electric Manufacturing Company, The. (See Row, Raymond N., assignor.)
Tucci, Anthony J., North Tarrytown, N. Y. Spraying apparatus. 2,203,851; June 11.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Guard for pneumatic thread extractors. 2,204,455; June 11.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread remover. 2,204,456; June 11.
Twin Disc Clutch Company. (See Batten, P. H., and Morris, assignors.)
U-Need-A-Merchandiser, Inc. (See Mergens, George P., assignor.)
U-Need-A-Merchandiser, Inc. (See Steiner, Louis, assignor.)
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Underwood Elliott Fisher Company. (See Davis, Frank K., assignor.)
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Swanson, Oscar W., assignor.)
Union Switch & Signal Company. (See Ashworth, Harry E., assignor.)
Union Switch & Signal Company, The. (See Hines, Claude M., assignor.)
Union Switch & Signal Company, The. (See Logan, John W., Jr., assignor.)
Union Switch & Signal Company, The. (See Ludwig, Harold L., assignor.)
Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
United Air Lines Transport Corporation. (See Brunner, Reed R., assignor.)
United American Metals Corporation. (See Jung, Albert H., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Cuozzo, Michele, assignor.)
United Shoe Machinery Corporation. (See Loney, John W., assignor.)
United Shoe Machinery Corporation. (See Ryan, George F., assignor.)
United States Rubber Company. (See Gibbons, W. A., and McGavack, assignors.)
United States Steel Corporation. (See Davenport, E. S., and Engel, assignors.)
Universal Gear Corporation. (See Wennerstrom, Carl G., assignor.)
Universal Oil Products Company. (See Komarewsky, Vasili, assignor.)
Universal Oil Products Company. (See Leffer, Friedrich W., assignor.)
Universal Oil Products Company. (See Mekler, Lev A., assignor.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Oil Products Company. (See Murphy, G. B., and Hubner, assignors.)
Universal Oil Products Company. (See Perkins, Maynard F., assignor.)
Universal Oil Products Company. (See Tropsch, Hans, assignor.)
Urban, Richard, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 2,203,756; June 11.
Urtel, Rudolf, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Signaling system. 2,204,058; June 11.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electric condenser. 2,204,166; June 11.
Vancil, Edgar D., and A. H. Hawley, Sr., assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Broaching machine. 2,203,803; June 11.
Van der Essen, Louis P., Gloversville, N. Y. Method of and apparatus for producing crinkled silking. 2,203,804; June 11.
Vang, Alfred, et al. (See Weinhardt, Robert A., assignor.)
Vater, Andrew A., Art, and C. J. Vater, Mason, Tex. Apparatus for weighing livestock. 2,204,389; June 11.
Vater, Christian J. (See Vater, Andrew A. and C. J.)
Vaupel, Henry. (See Rodefer, H. H., and Vaupel.)
Vega, Paul E., assignor to The Associated Press, New York, N. Y. Ribbon inking device. 2,203,757; June 11.
Vereinigte Kugellagerfabriken A. G. Schweinfort. (See Stahlecker, Wilhelm, assignor.)
Vickers Incorporated. (See Martin, Joseph A., assignor.)
Vogt, Richard, Hamburg, Germany. Float system. 2,204,457; June 11.
Von Helmolt, Carl W., administrator. (See Tropsch, Hans.)
Vonschott, William, assignor of one-fifth to H. J. Lucke, New York, N. Y. Deviation indicator. 2,203,708; June 11.
Wade, Thomas E., Laramie, Wyo. Book holder. 2,203,661; June 11.
Waechter, Harry J. (See Katz, R., and Waechter.)
Wagner, Robert W., assignor to Detroit Harvester Company, Detroit, Mich. Mowing machine. 2,204,333; June 11.
Wagner, Robert W., assignor to Detroit Harvester Company, Detroit, Mich. Mowing structure. 2,204,334; June 11.

Wagner, Robert W., assignor to Detroit Harvester Company, Detroit, Mich. Mounting for mower mechanism. 2,204,335; June 11.
Walker, Henry B., Elkins Park, and P. W. McWherter, assignors to Röhm & Haas Company, Philadelphia, Pa. Leather finishing. 2,204,520; June 11.
Walker, Louis E. Q., Chelmsford, England, assignor to Radio Corporation of America. Television system. 2,203,758; June 11.
Wallace & Tiernan Products, Inc. (See Merckel, Frederick G., assignor.)
Walls, Walter H., Darwin, Minn. Electrical connector. 2,203,973; June 11.
Walters, Clarence C. (See Bergmann, R. F., Walters, and Samerdyke.)
Ware, Elmer G., Bakersfield, Calif. Pump valve with gas chamber in cage. 2,203,759; June 11.
Warren, Donald M., La Fayette, Ind. Toy structure. 2,204,264; June 11.
Warren, Glenn B., Niskayuna, N. Y., assignor to General Electric Company. Elastic fluid power plant. 2,204,111; June 11.
Warrington, Charles J. S. (See Aitken, R. G., and Warrington.)
Wassenegger, Hans, Dessau in Anhalt, and K. Jaeger, Frankfort-on-the-Main-Hochst, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Effecting cation exchange. 2,204,539; June 11.
Watson-Stillman Co. (See Dinzl, Richard W., assignor.)
Watts, Rhea N. (See Spicer, W. E., and Watts.)
Weeks, Marion E., Bremerton, Wash. Limit switch. 2,203,709; June 11.
Weill, Hans. (See Rinkel, Paul, assignor.)
Weinhardt, Robert A., Lansing, assignor of one-fourth to H. B. Trix, one-fourth to J. A. Kienle, and one-fourth to A. Vang, Wayne County, Mich. Pump. 2,203,974; June 11.
Wells, Willis L., Clayton, Mo., assignor to Curtiss-Wright Corporation. Visibility control wheel. 2,203,852; June 11.
Wennerstrom, Carl G., Evanston, Ill., assignor to Universal Gear Corporation, Indianapolis, Ind. Power transmission mechanism. 2,204,521; June 11.
Wentzel, Anton A., Milwaukee, Wis. Motor vehicle control. 2,204,265; June 11.
Werner, Max, and H. Tletz, Leverkusen-I. G. Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Operation of steam turbines. 2,204,522; June 11.
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gano, Harlan S., assignor.)
Wetsel, Carlton. (See Smith, E. L., and Wetsel.)
White, Blanche B. (See Seymour, G. W., and White.)
Whitehall Patents Corporation. (See Morin, L. H., and Marinsky, assignors.)
Whitlock, Harold W., assignor to The Boardman Company, Oklahoma City, Okla. Seed cleaner. 2,204,032; June 11.
Whitmire, Homer E., Richmond Heights, Mo., assignor to Shell Oil Company, Incorporated. Insecticide. 2,204,197; June 11.
Whittier, Earle O. (See Gould, S. P., and Whittier.)
Whittier, Earle O., and S. P. Gould, Washington, D. C., dedicated to the free use of the People of the United States of America. Fiber. 2,204,336; June 11.
Wickersham, Harry P., Huntington Park, assignor of one-half to E. Burns, Los Angeles, Calif. Jarring tool. 2,204,458; June 11.
Wide World Photos, Inc. (See Cooley, Austin G., assignor.)
Wiessner, Alfred, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Arrangement for carrier frequency modulation. 2,204,198; June 11.
Wiezevich, Peter J., Elizabeth, N. J., now by judicial change of name to P. J. Gaylor, assignor to Standard Oil Development Company. Solvent for high molecular weight polymers of iso-olefins. 2,204,167; June 11.
Wiggs, Lawrence E., Worth Township, Woodford County, Ill. Escapementlike clutch. 2,203,805; June 11.
Wilber, Carl L., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Axle housing. 2,204,287; June 11.
Wilcken, Karl, F. Kliempt, Dessau, W. Fritz, Dessau-Ziebigk, and W. Heck, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke, Aktiengesellschaft. Liner for internal combustion engines. 2,203,885; June 11.
Wilckens, Ernst, Berlin-Sudende, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany. Ultra-short-wave transmitting and receiving device. 2,203,760; June 11.
Wilcox, Albert L. (See Parsons, R. V., and Wilcox.)
Wilcox, Robert W., Long Beach, Calif. Fracture reduction apparatus. 2,204,266; June 11.
Wiles, Edwin B., Chicago, Ill. Ventilating window for motor vehicles. 2,203,934; June 11.
Wilkoff, Howard M., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Insulation. 2,204,288; June 11.
Willard Storage Battery Company. (See Pearson, Carl E., assignor.)
Williams, David M., Godwin, N. C. Extractor mechanism for firearms. 2,204,289; June 11.
Williams, Merrel O., Liverpool, assignor to Automatic Telephone & Electric Company, London, England. Baffle for light sensitive control apparatus. 2,203,761; June 11.
Willis, Russell L., Steubenville, Ohio. Game apparatus. 2,204,199; June 11.
Willman, Charles A., et al. (See Anderson, Christ, assignor.)
Wincharger Corporation. (See Albers, John R., assignor.)
Winters, Le Roy D., et al. (See Booty, Philip C. P., assignor.)
Wise, Verl A., S. B. Duffies, G. R. Henney, and C. L. Lohner, assignors to Industrial Patents Corporation, Chicago, Ill. Treatment of liver. 2,204,459; June 11.
Wisner, John A., Baltimore, Md. Fountain cleaning device. 2,204,200; June 11.
Wochinger, Eduard, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernewerk, Siemensstadt, near Berlin, Germany. Telephone system. 2,203,935; June 11.
Wolf, Lester J., Audubon, N. J., assignor to Radio Corporation of America. Concentric line. 2,203,806; June 11.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Radio beam system. 2,203,807; June 11.
Wolff, Paul, and E. Beniers, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. Acid dyestuffs of the indolylidiphenyl-methane series. 2,204,201; June 11.
Wolseley Motors Limited. (See Gould, George, assignor.)
Wood, Elizabeth O., executrix. (See Wood, Henry A. W.)
Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for cleaning strip metal. 2,204,168; June 11.
Wood, Gar, Industries, Inc. (See Barrett, Edward S., assignor.)
Wood, Henry A. W., deceased, New York, N. Y.; E. O. Wood, executrix, assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Plate registering machine. 2,204,523; June 11.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wortham, Tony. (See Himes, David N., assignor.)
Wright Aeronautical Corporation. (See Pierce, Erold F., assignor.)
Wright Tool and Forge Company, The. (See Stone, Arthur P., assignor.)
Wünsch, Guido, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. Motion transmission system. 2,204,460; June 11.
Wurton Machine Company, The. (See Touton, Rush O., assignor.)
Wyres, Samuel, Warren, Ohio. Package opener. 2,204,267; June 11.
Young, Austin E., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Clutch mechanism. 2,204,241; June 11.
Young, Charles D., et al. (See Young, Otis W., assignor.)
Young, Marvin S., Scarsdale, N. Y., and R. B. Lewthwaite, Hasbrouck Heights, N. J., assignors to The Marlin Corporation, New York, N. Y. Dispensing apparatus for lubricant and the like. 2,203,710; June 11.
Young, Otis W., Winchendon, Mass., assignor of one-half to H. S. Mann and one-half to C. D. Young, Chicago, Ill. Steam locomotive engine. 2,203,975; June 11.
Zagmester, Nick, Niagara Falls, N. Y. Multifilament electric light bulb and control switch therefor. 2,203,762; June 11.
Zahodiakin, Victor F., Forest Hills, N. Y. Nondetonating engine. 2,203,763; June 11.
Zamora, Vicente, Manila, P. I. Ball delivery machine. 2,203,886; June 11.
Zerkowitz, Guido, Trieste, Italy, assignor to Gesellschaft für Linde's Eismaschinen A. G. Hollriegelskreuth, near Munich, Germany. Turbine for the expansion of gas to produce refrigeration. 2,204,169; June 11.
Zigler, Ward G., Chicago, Ill. Ironing machine. 2,203,936; June 11.
Zimarik, Louis, assignor to The Prosperity Company Inc., Syracuse, N. Y. Washing machine (scum overflow). 2,204,401; June 11.
Zimmer, Paul, Venlo, Netherlands. Transparent stamp pocket for album mounting. 2,203,887; June 11.
Zimmerman, Charles E., Chicago, Ill. Cosmetic applicator. 2,204,202; June 11.
Zimmerman, Charles E., Chicago, Ill. Application of cosmetics. 2,204,203; June 11.
Zinolite Company of Montana, The. (See Hinchman, William H. D., assignor.)
Zwilling, Theodor, assignor to Deutsche Werke Kiel Aktiengesellschaft, Postschliessfach, Kiel, Germany. Atomizer burner for liquid fuels. 2,204,170; June 11.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Attachment for mowing machines. W. Gaterman. Re. 21,481; June 11.

Gauge, Multiple drilling. W. R. Martin. Re. 21,482; June 11.

LIST OF DESIGN INVENTIONS

Air conditioning control. A. V. Sampsel. 121,001; June 11.
Bait, Fish. K. Curtis. 120,988; June 11.
Base for a floral basket or similar article. R. M. Koch. 120,991; June 11.
Battery servicer. R. L. Reeves. 121,019; June 11.
Bead or similar article. M. H. Tang. 121,024; June 11.
Blouse. B. Shander. 121,056; June 11.
Bottle, Glass. L. J. Kihn. 120,989; June 11.
Bracket, Towel bar. M. S. Desser. 120,972; June 11.
Brooch or similar article. G. Verrecchio. 120,979; June 11.
Cabinet for a loud speaker. H. T. Roberts. 121,023; June 11.
Cabinet for an amusement apparatus. J. F. Meyer. 120,997; June 11.
Cabinet for space heaters or the like. G. W. Walker. 121,027–30; June 11.
Car, Juvenile. E. R. Anderson. 120,981; June 11.
Carton, Display. F. K. Formis. 121,046; June 11.
Case, Photographic camera. J. O. Reinecke. 121,022; June 11.
Case, Photographic exposure meter. M. G. Townsley. 121,026; June 11.
Chain or similar article, Linked. D. Cooper. 120,984–6; June 11.
Cigar lighter, display and stand, Combined. A. S. Weston. 120,980; June 11.
Clasp. J. R. La Vigne. 120,993; June 11.
Clip or similar article. D. Cooper. 120,970–1; June 11.
Closure, Removable bottle. J. A. Murdock. 120,999; June 11.
Coat lining. P. Feldman. 121,054; June 11.
Container, Flower. R. G. Block. 120,983; June 11.
Cup, Shaving. M. E. Sayre. 120,978; June 11.
Dish, Soap. D. Bernikow. 120,982; June 11.
Dispenser, Mill. L. Pataky. 121,018; June 11.
Dispenser or similar article, Cleansing film. W. J. Schepp. 121,002; June 11.
Doll. M. Michaels. 120,998; June 11.
Dress. S. Ancell. 121,053; June 11.
Dress. C. M. Neuhardt. 121,055; June 11.
Dress. F. Tisch. 121,025; June 11.
Dress ensemble. R. Richman. 121,060; June 11.
Emblem or similar article, Commemorative. M. D. Cavagnaro. 121,008; June 11.
Fabric or similar article, Textile. E. P. Bixer. 121,031–35; June 11.
Fabric or similar article, Textile. J. W. Orian. 121,041; June 11.
Fabric or similar article, Textile. D. V. Villasenor. 121,043; June 11.
Fabric, Ribbon. I. B. Simon. 121,057; June 11.
Fabric, Textile. I. Cummings. 120,987; June 11.
Fabric, Textile. R. S. Gentile. 121,010; June 11.
Fabric, Textile. R. S. Gentile. 121,047; June 11.
Fabric, Textile. J. W. Lindsay. 120,995; June 11.
Fabric, Textile. J. W. Lindsay. 121,015; June 11.
Fabric, Textile. J. L. Walther. 121,051; June 11.
Fabric, Woven textile. A. Tillman. 121,042; June 11.
Film viewer. L. W. Freeman. 120,973; June 11.
Fire extinguisher or similar article. H. C. Grant, Jr. 121,011; June 11.
Flashlight for theaters. E. V. Gray. 121,012; June 11.
Frame, Handbag. C. Karron. 121,013; June 11.
Frame for child's rocking toy or similar article, Base. L. Peltier. 121,000; June 11.
Game board. R. L. Lett. 120,994; June 11.
Game device. R. Vandenborre. 121,004; June 11.
Handle, Lawn mower. M. H. Kluter. 121,014; June 11.
Holder, Knife. H. H. Hopkins. 121,048; June 11.
Hood and jacket or similar article, Combined. B. Berkman. 121,044; June 11.
Jacket and hood, Combined chenille. M. D. Brod. 121,036; June 11.
Lace. A. Dreyfus. 121,037–40; June 11.
Lamp. J. F. Kirby. 120,990; June 11.
Lamp, Bed. B. A. Mitchell. 121,016; June 11.
Lamp, Directional signal. P. M. Crone. 121,058; June 11.
Letter opener and telephone dialer, Combined. A. Broffman. 120,969; June 11.
Lighter or the like. Q. T. Regan. 121,020–1; June 11.
Necklace or the like. N. Levy. 121,059; June 11.
Paper, Wrapping. G. C. Robinson. 121,050; June 11.
Plate or similar article. C. W. Leigh. 121,049; June 11.
Press, Molding. F. S. Farley. 121,009; June 11.
Puzzle. J. D. Boyle. 121,006–7; June 11.
Rack or the like, Apparel. B. M. Flannery. 121,045; June 11.
Ring, Finger. F. P. Kinsley. 120,975–7; June 11.
Ring, Finger. O. H. Mengel. 120,996; June 11.
Siphon. L. T. Ward. 121,052; June 11.
Testing apparatus, Distillation. A. L. Newman. 121,017; June 11.
Tool, Hub. J. A. Harvey. 120,974; June 11.
Toy bed. H. S. Stevens. 121,003; June 11.
Tray, Ash. P. S. Kushiner. 120,992; June 11.
Vending machine. R. Wright. 121,005; June 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerator and brake control for vehicles, Combination. F. E. Detmers. 2,203,777; June 11.
Accordion stand. O. P. Richeda. 2,204,028; June 11.
Acetylene and lime hydrate, Producing. H. V. Kojola and M. O'Brian. 2,204,184; June 11.
Acids, Preparation of secondary alkyl sulphonic. M. W. Farlow. 2,204,210; June 11.
Adhesive. R. G. Drew. 2,203,677; June 11.
Adhesive composition and preparing the same. H. M. Salisbury. 2,204,384; June 11.
Adsorption apparatus and method. W. E. Moore and G. L. Simpson. 2,204,431; June 11.
Aerator, Mechanical. E. B. Mallory. 2,204,093; June 11.
Aerial, Ornamental indoor. J. Stevens. 2,204,286; June 11.
Agent for poisonous gases, Warning. R. G. Aitken and C. J. S. Warrington. 2,203,764; June 11.
Air conditioning apparatus. F. Butler. 2,204,401; June 11.
Air conditioning apparatus. C. B. Cook. 2,204,012; June 11.
Air conditioning system. E. A. Bailey. 2,204,394; June 11.
Air conditioning system utilizing refrigeration. S. M. Anderson. 2,204,114; June 11.
Air filtering apparatus. N. Danils. 2,203,776; June 11.
Aircraft construction. I. H. Driggs. 2,204,404; June 11.
Aircraft landing areas, Marking of. D. D. Cooke. 2,203,894; June 11.
Alarm system. R. D. Lightfoot. 2,204,420; June 11.
Alcohols, Sulphation of higher. E. W. Smith. 2,204,323; June 11.
Aligning and locking means for flooring strips. J. Taylor. 2,203,932; June 11.
Alkylation process. E. E. Stahly and E. M. Hattox. 2,204,194; June 11.
Amusement device. E. L. Barrett. 2,204,397; June 11.
Amusement device. S. W. Shepherd. 2,203,971; June 11.
Antenna, Automobile radio. C. C. Farwell. 2,203,986; June 11.
Antenna, Directional. W. S. Eaton. 2,204,406; June 11.
Antenna, Radio. W. C. De Roo, B. A. Schwartz, and J. Agramonte. 2,203,945; June 11.
Antenna, Radio. K. L. Dorman. 2,203,985; June 11.
Antenna stay arrangement. W. Peters. 2,204,026; June 11.
Antenna system. P. S. Carter. 2,204,175; June 11.
Antigen for determination of tuberculosis and making the same. B. Gruskin. 2,204,272; June 11.
Antiglare device for headlights. C. H. Montague. 2,204,429–30; June 11.
Anti-thumb-sucking device. D. D. Shelton. 2,204,235; June 11.
Apparatus and method of forming and welding tubes. J. L. Anderson. 2,203,855; June 11.
Apparatus employing polarized light for the production of stereoscopic images. E. H. Land and J. Mahler. 2,203,687; June 11.
Apparatus for calibrating measuring instruments. R. W. Smith. 2,204,260; June 11.
Apparatus for cleaning strip metal. F. J. Wood. 2,204,168; June 11.
Apparatus for coloring, printing, and decorating flat surfaces, particularly woven textiles. J. Issartel and E. Robert. 2,203,910; June 11.
Apparatus for cultivating crystals. E. Gerlach. 2,204,180; June 11.
Apparatus for cutting, folding, and creasing labels. A. Rosenthal. 2,204,189; June 11.
Apparatus for detecting water intrusion in boreholes. C. R. Dale. 2,203,720; June 11.
Apparatus for folding sheets of fabric and the like. J. H. Brackett. 2,204,268; June 11.
Apparatus for making wrought metal tubes. J. E. Gray, A. P. Devereaux, and W. M. Parker. 2,203,868; June 11.
Apparatus for multiphase vibration. R. W. Baily. 2,204,007; June 11.
Apparatus for picking cotton. H. P. Luhn. 2,204,092; June 11.
Apparatus for recovering precious metals. E. F. Kingsley. 2,204,018; June 11.
Apparatus for reducing tubular blanks. J. H. Gettig and G. Spatta. 2,203,956; June 11.
Apparatus for retaining contact masses in tubular elements. M. F. Perkins. 2,203,840; June 11.
Apparatus for sealing cartons. H. S. Fox and K. W. Emerson. 2,203,900; June 11.
Apparatus for sealing cartons. F. N. Todd and K. W. Emerson. 2,203,901; June 11.
Apparatus for simultaneously cutting a plurality of confectionery products. W. J. Taylor and C. A. Hennessy. 2,204,519; June 11.
Apparatus for the manufacture of thread or the like. L. E. Lovett. 2,203,793; June 11.
Apparatus for weighing livestock. A. A. and C. J. Vater. 2,204,389; June 11.
Appliance for rolling screw threads. G. Gould. 2,204,182; June 11.
Arc lamp. J. Gelb. 2,204,079; June 11.
Armrest support. A. B. Bell. 2,204,205; June 11.
Arrangement for carrier frequency modulation. A. Wiessner. 2,204,198; June 11.
Article forwarding device for wrapping machines. E. L. Smith and C. Wetsel. 2,204,162; June 11.
Ash receptacle. J. G. Hickman. 2,203,960; June 11.
Attenuator circuit. D. E. Harnett and J. F. Farrington. 2,204,216; June 11.
Automobile decking device. W. J. Nightingale. 2,204,377; June 11.
Automobile loading frame. L. H. Cooper and W. J. Nightingale. 2,204,034; June 11.
Auxiliary switch. W. A. Atwood. 2,204,393; June 11.
Awning, Metal. J. F. Jenkins and F. W. Burrows. 2,204,363; June 11.
Axle assembly, Tandem. M. J. Konetsky. 2,204,087; June 11.
Axle housing. C. L. Wilber. 2,204,287; June 11.
B-(P-hydroxy-phenyl)-isopropylamine, Preparation of derivatives of. G. Hildebrandt. 2,204,494; June 11.
Baffle for furnaces. A. di Filippo. 2,204,036; June 11.
Baffle for light sensitive control apparatus. M. O. Williams. 2,203,761; June 11.
Bag of paper or the like material and the manufacture thereof. J. C. Hellema. 2,203,726; June 11.
Ball delivery machine. V. Zamora. 2,203,886; June 11.
Barium chloride, Making. R. C. Specht. 2,204,192; June 11.
Basket for coffeepots, Percolater strainer. H. P. and A. W. Serio. 2,204,158; June 11.
Battery, Storage. C. E. Pearson. 2,203,797; June 11.
Battery terminal clamp. K. F. Brown. 2,204,269; June 11.
Battery terminal quick action clip. R. C. Steenholdt. 2,204,387; June 11.
Beam, Warp. J. M. Patrick. 2,204,442; June 11.
Bedpan, Adjustable. M. P. Dawson. 2,204,343; June 11.
Belt, Driving. H. Brammer. 2,204,117; June 11.
Beryllium, Producing. B. R. F. Kjelgren and C. B. Sawyer. 2,204,221; June 11.
Beverage cooler. A. J. Johnson and A. L. Goetzmann. 2,203,991; June 11.
Bimetallic strip, Method of and apparatus for making. G. Edwards. 2,203,679; June 11.
Binder, No-punch. H. L. Davis. 2,203,676; June 11.
Bit: *See*—
Drill bit.
Bit and reamer, Expansion. D. J. O'Grady. 2,203,998; June 11.
Blade holder. H. A. D. Baer. 2,203,714; June 11.
Blanket, Electrically heated. I. O. Moberg. 2,203,918; June 11.
Board: *See*—
Cribbage board.
Board for drop hammers. G. H. Lawrence. 2,204,222; June 11.
Book holder. T. E. Wade. 2,203,661; June 11.
Bottle closure and liquid dispenser, Combination. J. L. Campbell, Jr., and H. M. Dorsey, Jr. 2,204,471; June 11.
Bottle, Medicine. G. Masters. 2,204,104; June 11.
Box: *See*—
Filing box. Planter box.
Box treating apparatus. C. B. Cook. 2,204,011; June 11.
Brace, Heel. J. Stapp. 2,204,160; June 11.
Brake. J. V. Ralston. 2,204,105; June 11.
Brake control valve. W. A. Eaton. 2,204,530; June 11.
Brake system, Safety hydraulic. E. Hess. 2,203,908; June 11.
Broach, Surface. F. J. and E. J. Lapointe. 2,204,537; June 11.

Broaching machine. M. Romaine. 2,203,798; June 11.
Broaching machine. E. D. Vancil and A. H. Hawley, Sr. 2,203,803; June 11.
Broiler construction. H. M. Reeves. 2,204,381; June 11.
Building construction. R. V. Parsons and A. L. Wilcox. 2,204,319; June 11.
Bulldozer mounting. E. J. Brunner. 2,203,941; June 11.
Burner: *See*—
Immersion burner. Oil burner.
Burner for liquid fuels, Atomizer. T. Zwilling. 2,204,170; June 11.
Bushing, Rotary table. W. A. Abegg. 2,204,112; June 11.
Button, Identification. A. J. Jones. 2,204,313; June 11.
Cabinet: *See*—
Sectional cabinet.
Cable and switch, Alarm. C. M. Slack and G. G. Cromartie. 2,204,237; June 11.
Cable hanger. O. K. Coleman. 2,204,121; June 11.
Calandria. H. M. Hunter. 2,204,497; June 11.
Calcium silicate and preparing the same. R. P. Allen. 2,204,113; June 11.
Call transmitter. D. H. Gleason. 2,204,181; June 11.
Camera, Photographic. L. Goldhammer. 2,204,488; June 11.
Camera traversing apparatus for photographing nearby large object surfaces. E. S. Hineline. 2,203,783; June 11.
Can cover, Sanitary. T. M. Krafty. 2,203,911; June 11.
Car construction, Freight. P. E. Finger. 2,204,348; June 11.
Car mover, Rail. H. C. Pierce. 2,204,000; June 11.
Car-seat base, Reversing. O. E. Hill. 2,204,218; June 11.
Carbon black, Making. W. A. Knapp. 2,204,366; June 11.
Carbon remover. J. H. Minor. 2,203,835; June 11.
Carburetor. P. C. P. Booty. 2,203,858; June 11.
Carburetor step-up control. L. D. Boyce. 2,204,527; June 11.
Carburetor step-up device. L. D. Boyce. 2,204,526; June 11.
Carriage for accounting machines, Paper. W. A. Anderson. 2,204,243; June 11.
Carriage for portable electric machines, Motor-seating. F. Toop. 2,204,110; June 11.
Carrier: *See*—
Garment carrier.
Cartridge. R. A. Hunter. 2,204,085; June 11.
Case: *See*—
Key case.
Casing construction, Sectional. C. B. Akers. 2,203,808; June 11.
Casting apparatus. A. H. Jung. 2,204,498; June 11.
Castings, Making abrasive. W. Siegert. 2,204,453; June 11.
Catalyst and producing the same. W. L. Semon. 2,204,157; June 11.
Catalysts, Reclaiming. W. E. Spicer and R. N. Watts. 2,204,193; June 11.
Cathode for electron discharge devices. V. O. Allen. 2,204,391; June 11.
Cation exchange, Effecting. H. Wassenegger and K. Jaeger. 2,204,539; June 11.
Cellulose acetate of 58–60% acetyl content, Fibrous acetone soluble. G. W. Seymour and B. B. White. 2,203,699; June 11.
Cellulose ester, Production of. G. W. Seymour and B. B. White. 2,203,748; June 11.
Cellulose esters of high acyl value, Preparation of. G. W. Seymour and B. B. White. 2,203,700; June 11.
Cellulose etherification process. F. C. Hahn. 2,203,869; June 11.
Cellulosic material, Preservation of fibrous. E. R. Boller. 2,204,066; June 11.
Cement, Manufacture of Portland. I. C. Bechtold. 2,203,809; June 11.
Centralizer for drill steels. G. H. Fuehrer. 2,204,352; June 11.
Centrifugal control. J. H. Staley. 2,204,325; June 11.
Centrifugal pump. E. M. Greenlee and J. S. Knittel. 2,203,958; June 11.
Chain: *See*—
Cutter chain.
Chemical method of etherifying dextran. G. L. Stahly and W. W. Carlson. 2,203,704; June 11.
Chlorine, Producing. F. R. Balcar. 2,204,172; June 11.
Chuck, Rotary tool. J. Pierik. 2,203,967; June 11.
Cigar banding machine. E. H. Jähne and R. E. Schleehahn. 2,204,219; June 11.
Cigars, Method and mechanism for wrapping. K. E. Granstedt. 2,204,132; June 11.
Cigarette maker and holder. M. Friedman. 2,203,864; June 11.
Cigarette tipping device. J. W. Leary. 2,204,369; June 11.
Circuit: *See*—
Attenuator circuit. Receiver circuit.
Modulator circuit. Tuning indicator circuit.
Circuit breaker. J. H. Burnside, 2nd. 2,204,528; June 11.
Circuit breaker. H. S. Gano. 2,204,409; June 11.
Circuit breaker, Repeater. G. L. Carlisle. 2,204,299; June 11.
Circuit controlling device, Thermal operated. O. S. Field. 2,204,481; June 11.
Clamp: *See*—
Battery terminal clamp. Magnetic clamp.
Cleaner: *See*—
Seed cleaner. Vacuum cleaner.
Cleats, Construction and anchoring shoe. J. T. Riddell. 2,203,969; June 11.
Clip: *See*—
Battery terminal quick action clip.
Clip for holding cigarettes and the like, Heat actuated. W. S. Rodene. 2,203,745; June 11.
Clock, Current control. J. De Haes. 2,203,944; June 11.
Closure device for battery box covers. K. K. Kugler. 2,204,088; June 11.
Closure device for sealed cooling systems. A. L. Swank. 2,203,801; June 11.
Closure for paper bags. W. Pletscher. 2,203,924; June 11.
Closure, Outlet box. E. N. Allen and R. L. Hinckley. 2,204,006; June 11.
Closures to cartons, Applying and attaching metallic end. J. M. Frederick. 2,203,955; June 11.
Cloth laying machine. C. C. Schneider. 2,203,970; June 11.
Clutch: *See*—
Escapement clutch.
Clutch. P. H. Batten and D. W. Morris. 2,204,337; June 11.
Clutch. C. M. Eason. 2,203,862; June 11.
Clutch device. H. Kattwinkel. 2,204,499; June 11.
Clutch for punch presses. J. E. Loshbough. 2,204,421; June 11.
Clutch mechanism. A. E. Young. 2,204,241; June 11.
Coals, Treating sulphur bearing. J. C. Nelms. 2,204,148; June 11.
Coin collector. F. A. Hoyt. 2,204,083; June 11.
Collar, cuff, and the like. W. Rubinstein. 2,204,152; June 11.
Collar or neckband support. J. W. Steele. 2,204,004; June 11.
Combination dispenser. V. Schindelbeck. 2,203,880; June 11.
Combustion apparatus. D. J. Mosshart. 2,204,317; June 11.
Commutation system. D. S. Muzzey, Jr. 2,204,436; June 11.
Composition for sound recording disks. H. A. De Phillips. 2,203,983; June 11.
Compounds from liquids, Separation of chlorinated. C. J. Malm and G. F. Nadeau. 2,203,690; June 11.
Compressor. C. W. Metzgar. 2,204,374; June 11.
Compressor mounting. C. R. Neeson. 2,204,510; June 11.
Concrete forming machine. C. M. Leatherman. 2,204,021; June 11.
Concrete mold. G. Steinmetz. 2,204,195; June 11.
Condenser: *See*—
Electric condenser.
Confection making apparatus. J. E. Hogue. 2,204,496; June 11.
Confections, Forming frozen. J. E. Hogue. 2,204,495; June 11.
Connector: *See*—
Electrical connector.
Connector plug. E. E. Folsom. 2,204,408; June 11.
Contact structure. J. A. Herbst. 2,203,727; June 11.
Container: *See*—
Dispensing container.
Container for electrolytic condensers. A. M. Georgiev. 2,203,902; June 11.
Container for film rolls. M. M. Hurd. 2,204,414; June 11.
Container venting means. C. J. Schmid. 2,204,448; June 11.
Control and operating mechanism for unloading washers. F. A. Gerlach. 2,203,781; June 11.
Control device. H. A. Mantz. 2,203,691; June 11.
Control device. A. W. Shepherd. 2,204,161; June 11.
Control device for change-speed gears. G. Meyer. 2,204,143; June 11.
Control device for radio receiving sets. R. W. Mohr. 2,204,186; June 11.
Control for radio receivers, Tuning. W. Mahnken. 2,203,736; June 11.
Control for vulcanizer presses, Safety. P. F. K. Erbguth, R. A. F. Sandberg, and E. S. Smith, Jr. 2,204,531; June 11.
Control system for vehicles, Air. W. J. Clements. 2,203,814; June 11.
Control system, Self-synchronous. J. U. F. Andersen. 2,203,854; June 11.
Controller for battery charging apparatus. C. Fumagalli. 2,204,101; June 11.
Conveyer mechanism. H. W. Shonnard. 2,204,236; June 11.
Cooler: *See*—
Beverage cooler.
Cooling and dehumidifying device. H. J. Kaufman. 2,203,685; June 11.
Cooling, Method of and apparatus for. H. R. Crago. 2,204,403; June 11.
Cooling system, Absorbent. H. R. Legatski. 2,204,042; June 11.

Corner piece for frames. E. Galante. 2,203,987; June 11.
Corner pieces, Manufacturing ornamental. E. H. Thoresen. 2,204,263; June 11.
Corpse lifting apparatus. A. B. Kubach. 2,203,732; June 11.
Cosmetic applicator. C. E. Zimmerman. 2,204,202; June 11.
Cosmetics, Application of. C. E. Zimmerman. 2,204,203; June 11.
Cotton bale identifying means, Permanent. R. H. Pratt. 2,104,149; June 11.
Coumarin, Manufacture of. E. C. Britton and J. E. Livak. 2,204,008; June 11.
Coupler, Hose and pipe. F. E. Arm. 2,204,392; June 11.
Coupling: *See*—
Line coupling. Rod coupling.
Coupling device for signal transmission and receiving systems. A. G. Cooley. 2,204,529; June 11.
Coupling pin, Safety-lock equipped. C. M. Blocher. 2,204,116; June 11.
Cover: *See*—
Can cover.
Crib, Infant's. M. W. Padjen. 2,203,921; June 11.
Cribbage board. S. C. Eddy. 2,204,177; June 11.
Crossing protection apparatus, Highway. J. W. Logan, Jr. 2,203,914; June 11.
Crushing and grinding machine. M. E. Meinhardt. 2,204,024; June 11.
Current deflector. V. C. Overton. 2,203,742; June 11.
Current rectifier, Electric. M. Conant. 2,204,010; June 11.
Curtain rod. C. P. Henry. 2,204,493; June 11.
Curtain rod device. J. R. Guildford. 2,204,411; June 11.
Cushion, Seat. J. P. Gordon. 2,204,449; June 11.
Cutter: *See*—
Paper cutter. Pipe cutter.
Cutter chain. E. J. Doberstein. 2,204,344; June 11.
Cutting apparatus. W. J. Coultas and C. J. Frederiksen. 2,203,982; June 11.
Cutting machine. H. W. Bruker. 2,204,067; June 11.
Cylinders of the two-stroke internal combustion engines, Scavenging of the. H. Brooks. 2,204,296; June 11.
Dental pulp tester. R. H. Brockman. 2,204,295; June 11.
Denture demonstrating apparatus. G. H. Burtenshaw. 2,203,891; June 11.
Detergent. F. W. Muncie and K. L. Russell. 2,204,433; June 11.
Detergents, Manufacture of. J. F. Olin. 2,203,696; June 11.
Developing device. K. Lange. 2,203,963; June 11.
Deviation indicator. W. Vonschott. 2,203,708; June 11.
Device for bringing the stock stream upon the screen of a paper making machine. W. Thaler. 2,203,802; June 11.
Device for hanging trip line corner blocks. J. W. Forrester. 2,204,211; June 11.
Dial, Tuning. J. W. Fitz Gerald. 2,203,723; June 11.
Die: *See*—
Tube slotting or punching die.
Dielectrics, Measurement of. A. R. Ogilvie. 2,203,839; June 11.
Differential mechanism. C. E. Frederickson. 2,203,683; June 11.
Direction finding apparatus. R. R. Brunner. 2,204,206; June 11.
Direction finding system. H. Brunswig. 2,204,174; June 11.
Direction indicating means. G. Barth. 2,204,292; June 11.
Directional instrument. P. Kollsman. 2,203,824; June 11.
Discharge device. E. D. McArthur and H. E. Rowe. 2,204,423; June 11.
Dispenser: *See*—
Combination dispenser.
Dispensing apparatus for lubricant and the like. M. S. Young and R. B. Lewthwaite. 2,203,710; June 11.
Dispensing apparatus for storage tanks. R. L. Tennant. 2,204,329; June 11.
Dispensing container. A. J. Chamberlain. 2,204,176; June 11.
Dispensing device. H. J. Iftiger and E. W. Cook. 2,204,015; June 11.
Dispensing mechanism for vending machines. L. Steiner. 2,203,847; June 11.
Display apparatus, Animated. G. Musaphia. 2,204,435; June 11.
Display device. L. G. Englar. 2,204,129; June 11.
Display device. W. S. Enoch. 2,204,076; June 11.
Display rack. H. C. Robinson. 2,204,446; June 11.
Distributing mechanism. F. E. Domke. 2,204,127; June 11.
Door check. P. H. Travis. 2,204,330–1; June 11.
Door construction. E. E. Beason. 2,203,856; June 11.
Drain, Sash. G. E. Strandt. 2,203,753; June 11.
Drill: *See*—
Rock drill.
Drill. T. H. Stancliff. 2,203,846; June 11.
Drill and like metal-cutting tools, Twist. J. Say. 2,204,030; June 11.
Drill bit, Laminated disk. H. D. Sandstone. 2,203,747; June 11.
Drive mechanism for twister frames. R. F. Bergmann, C. C. Walters, and F. J. Samerdyke. 2,203,665; June 11.
Dusting apparatus. C. G. Allgrunn. 2,204,099; June 11.
Dyes, Azo. S. S. Rossander and C. E. Sparks. 2,204,229–30; June 11.
Dyes, Polymethine. O. Riester. 2,204,188; June 11.
Dyestuffs, Azo. R. Fleischhauer and H. Ritter. 2,203,818; June 11.
Dyestuffs of the anthraquinone-acridone series. H. Schlichenmaier and L. W. Berlin. 2,204,232; June 11.
Dyestuffs of the indolylidiphenylmethane series, Acid. P. Wolff and E. Beniers. 2,204,201; June 11.
Dynamo-electric machine. K. K. Cooper. 2,204,402; June 11.
Earpiece. L. S. Hulin. 2,204,183; June 11.
Earth mover. E. W. Austin. 2,203,713; June 11.
Earth mover. E. W. Austin. 2,204,033; June 11.
Electric condenser. G. L. Usselman. 2,204,166; June 11.
Electric discharge device. O. Baier. 2,204,204; June 11.
Electric incandescent lamp. J. H. de Boer, W. Elenbaas, B. G. Dorgelo, and H. J. Lemmens. 2,203,896; June 11.
Electric incandescent lamp. A. de Graaff. 2,203,897; June 11.
Electric motor. P. H. Rutherford. 2,203,927; June 11.
Electric motor, Reciprocating. T. J. Murphy. 2,203,695; June 11.
Electric switch. F. Farrell. 2,203,863; June 11.
Electric switch. R. N. Rowe. 2,204,002; June 11.
Electrical connector. W. H. Walls. 2,203,973; June 11.
Electrical inverter. W. H. Bennett. 2,203,663; June 11.
Electrical relay. H. E. Ashworth. 2,203,888; June 11.
Electrical route indicator. R. F. O. Levin. 2,204,315; June 11.
Electrical testing system. A. L. Rosenberg. 2,203,878; June 11.
Electrode for television tubes. R. B. Janes. 2,204,251; June 11.
Electrolytic apparatus. A. J. MacDougall. 2,204,506; June 11.
Electrolytic coatings on magnesium and its alloys, Treating. R. W. Buzzard. 2,203,670; June 11.
Electron emitter and making it, Secondary. O. Krenzien. 2,204,252; June 11.
Electron multiplication, Means and method for producing. P. T. Farnsworth. 2,204,479; June 11.
Electron multiplier. H. W. Langenwalter. 2,204,503; June 11.
Electron multiplier. R. Möller and F. Below. 2,204,428; June 11.
Electron tube. F. Herriger. 2,204,217; June 11.
Electronic distributor system. M. Morrison. 2,204,375; June 11.
Electro-optical system, Multiple channel. W. A. Knoop. 2,203,870; June 11.
Electrothermal motor. S. G. Crane. 2,203,719; June 11.
Embalming device. R. S. Malburg. 2,203,832; June 11.
Engine: *See*—
Nondetonating engine. Steam locomotive engine.
Engine. A. J. Meyer. 2,203,692; June 11.
Engine charge-forming device, Internal combustion. F. D. Butler. 2,203,669; June 11.
Engine control mechanism. R. M. Heintz. 2,204,492; June 11.
Engine of the fuel-injection compression-ignition type, Internal-combustion. C. W. Chapman. 2,204,068; June 11.
Engine starting mechanism. R. M. Nardone. 2,204,437; June 11.
Eraser feeding device. G. Findra. 2,204,038; June 11.
Escapementlike clutch. L. E. Wiggs. 2,203,805; June 11.
Ester of cellulose of high acyl value, Stabilizing organic. G. W. Seymour and B. B. White. 2,203,749; June 11.
Ether and ester derivatives of polysaccharides synthesized through bacterial action, Making. G. L. Stahly and W. W. Carlson. 2,203,702; June 11.
Ether of dextran, Souble benzyl. G. L. Stahly and W. W. Carlson. 2,203,705; June 11.
Ethers of dextran. G. L. Stahly and W. W. Carlson. 2,203,703; June 11.
Exhaust pipe. A. D. Blanchard. 2,204,294; June 11.
Explosive compounds, Crystallizing organic. M. F. Acken. 2,204,059; June 11.
Extractor mechanism for firearms. D. M. Williams. 2,204,280; June 11.
Fabrics, Punching or cutting impregnated. A. C. Barley, Jr. 2,203,937; June 11.
Facsimile scanning system. W. G. H. Finch. 2,204,271; June 11.
Fastener: *See*—
Rail fastener.
Fastener element and making the same, Separable. L. H. Morin and D. Marinsky. 2,203,694; June 11.
Feeder: *See*—
Volumetric feeder.
Feeding mechanism for rock drills. A. Feucht. 2,203,953; June 11.
Fiber. S. P. Gould and E. O. Whittier. 2,204,535; June 11.
Fiber. E. O. Whittier and S. P. Gould. 2,204,336; June 11.
Filing box, Storage. J. J. Carroll. 2,204,540; June 11.
Film printer, Sound. L. T. Sachtleben. 2,203,879; June 11.

Filter: *See*—
Oil filter.
Filter. O. A. Kehle. 2,204,017; June 11.
Filter pack and method of and apparatus for making same. O. Dahl and S. D. Osborn. 2,203,815; June 11.
Fish-cleaning machine. P. Danielsson. 2,204,124; June 11.
Fishhook. M. L. Lockridge. 2,204,278; June 11.
Fishing reel. J. M. Dayton. 2,204,125; June 11.
Fishing reel. O. Henze. 2,204,082; June 11.
Flap molding machine, Breast. M. Cuozzo. 2,203,775; June 11.
Float system. R. Vogt. 2,204,457; June 11.
Floating valve, Releasable. J. R. Bradshaw. 2,204,340; June 11.
Floor dressing machine. J. A. Gartner. 2,204,178; June 11.
Flow control unit. E. M. Reedy. 2,204,106; June 11.
Flow valve. H. C. Glitsch and C. S. Crickmer. 2,203,957; June 11.
Fluid discharge device. C. P. Bender. 2,204,524; June 11.
Force and equipoising mechanism, Elastic. G. Carwardine. 2,204,301; June 11.
Formamides, Production of N-substituted. D. J. Loder. 2,204,371; June 11.
Fluid control system. E. R. Barrett. 2,203,938–9; June 11.
Fluid heat exchange apparatus. W. T. Moore, P. R. Cassidy, R. M. Hardgrove, and H. J. Keer. 2,204,144; June 11.
Fluid heat exchange device. C. U. Savoye. 2,204,154–5; June 11.
Fluids, Filtering or straining or like treatment of. W. J. Forrest. 2,204,349; June 11.
Fluids, Method and apparatus for determining the nature of borehole. A. G. H. Straatman. 2,204,196; June 11.
Flush valve. W. E. Sloan and J. I. Bellamy. 2,204,191; June 11.
Folder. J. H. McLaren. 2,204,095; June 11.
Folding table. C. B. Harrell. 2,204,081; June 11.
Folding table. W. W. Swett. 2,204,107; June 11.
Forging machine, Cold. J. C. M. Maclagan. 2,204,043; June 11.
Formaldehyde-urea molding composition. D. E. Cordier. 2,203,772–3; June 11.
Formaldehyde-urea molding compositions. L. S. Meyer. 2,203,794; June 11.
Formaldehyde-urea molding composition. J. K. Simons. 2,203,800; June 11.
Fountain cleaning device. J. A. Wisner. 2,204,200; June 11.
Fracture reduction apparatus. R. W. Wilcox. 2,204,266; June 11.
Frame: *See*—
Automobile loading frame. Picture frame.
Frozen bodies, Forming, refrigerating, and harvesting. R. J. Cowling. 2,204,474; June 11.
Fuel, Manufacture of motor. B. S. Greensfelder and R. N. Shiras. 2,204,215; June 11.
Fuel, Treatment of motor. V. Komarewsky. 2,203,825; June 11.
Fuel, Treatment of motor. J. C. Morrell. 2,203,836; June 11.
Fuels, Combustion of. G. B. Murphy and W. H. Hubner. 2,203,838; June 11.
Fuels, Production of low boiling motor. M. Pier. 2,203,842; June 11.
Fur trimming plate and composite fur. E. Dulchin. 2,203,947; June 11.
Furnace: *See*—
Melting furnace.
Fuse construction. W. O. Schultz. 2,203,928; June 11.
Fuse construction. W. O. Schultz. 2,204,320; June 11.
Fuse cutout. G. L. Carlisle. 2,204,298; June 11.
Fused cutout. G. L. Carlisle. 2,204,300; June 11.
Game apparatus. L. Colaluca. 2,204,473; June 11.
Game apparatus. R. J. Heymer. 2,203,990; June 11.
Game apparatus. C. J. Siegrist. 2,204,321; June 11.
Game apparatus. R. L. Willis. 2,204,199; June 11.
Garment. M. M. Lutz. 2,203,993; June 11.
Garment carrier, Revolving. C. Krauss. 2,204,502; June 11.
Gas mixer. S. P. Jones. 2,203,961; June 11.
Gas producing apparatus. F. J. Nolan. 2,204,318; June 11.
Gas, Production of water. M. Radtke. 2,204,001; June 11.
Gas, Production of water. R. Rummel. 2,204,003; June 11.
Gases, Obtaining pure noble. A. Krauss. 2,204,501; June 11.
Gasoline recovery. R. B. Smith. 2,204,285; June 11.
Gate. E. L. Ebaugh. 2,204,477; June 11.
Gate valve. J. W. MacClatchie. 2,204,142; June 11.
Gauge: *See*—
Liquid level gauge. Rule gauge.
Gauging and marking instrument for drawer pulls and door handles. F. Lutz. 2,203,992; June 11.
Generator: *See*—
Signal generator. Steam generator.
Generator suspension mechanism. K. F. Nystrom. 2,204,281; June 11.
Geologic nature and characteristics of a formation traversed by a borehole, Method and apparatus for use in determining the. J. J. Jakosky and P. B. Lyons. 2,203,729; June 11.
Golf ball retriever. W. Filipiak. 2,204,482; June 11.
Golf club. A. J. Chapman. 2,203,893; June 11.
Gold mining device, Placer. W. W. Gray. 2,204,489; June 11.
Governor. R. L. Ohls. 2,203,874; June 11.
Grain especially wheat, Treatment of. A. E. François. 2,204,039; June 11.
Grille. L. E. Heasley and N. E. Cole. 2,204,356; June 11.
Guard arrangement for machine tools. H. L. Blood. 2,203,979; June 11.
Guard, Bumper. E. E. Condon. 2,203,942; June 11.
Guard for pneumatic thread extractors. R. G. Turner. 2,204,455; June 11.
Hacksaw. S. W. Albright. 2,204,390; June 11.
Hair device. W. Huppert. 2,204,361; June 11.
Handle and base construction for an electrical appliance. J. J. Gough. 2,204,212; June 11.
Hanger: *See*—
Cable hanger.
Harvester, Seed. H. Armstrong. 2,204,115; June 11.
Hatch closure. E. R. Swanson. 2,204,328; June 11.
Hatch for refrigerator cars, Ice. G. A. Steuber. 2,204,164; June 11.
Heat exchange apparatus. W. Samans. 2,204,447; June 11.
Heater: *See*—
Vane type heater.
Hitch connection. W. J. Coultas. 2,203,981; June 11.
Holder: *See*—
Blade holder. Plate holder.
Book holder. Sheet holder.
Holder attachment, Cigarette and cigar. A. Deerf. 2,203,816; June 11.
Holding or stripping mechanism for shearing machines. S. H. Stone. 2,203,884; June 11.
Hollow bodies capable of being produced by folding sheet material. P. Rinkel. 2,203,697; June 11.
Hood latch. A. E. Peterson. 2,203,876; June 11.
Hook boot, Gang. J. W. Lougheed. 2,204,185; June 11.
Hopper for coke ovens, Coal charging. H. Koppers. 2,204,019; June 11.
Humidostat and like devices. C. A. Otto. 2,204,047; June 11.
Hydraulic coupling. W. Fraser. 2,204,261; June 11.
Hydraulic operator. G. J. Thomas. 2,203,754; June 11.
Hydrocarbons, Catalytic dehydrogenation of. V. Komarewsky. 2,203,826; June 11.
Hydrocarbons, Conversion of. F. W. Leffer. 2,203,829; June 11.
Hydrocarbons, Conversion of. H. Tropsch. 2,203,850; June 11.
Hydromechanical press. L. S. Hubbert. 2,204,413; June 11.
Hyposulphites, Production of. K. W. F. Dorph. 2,204,476; June 11.
Ice cube remover. C. R. Carney. 2,203,892; June 11.
Ignition apparatus. H. B. Holthouse. 2,203,784; June 11.
Ignition means for oil burners. R. D. Schoenwetter. 2,204,450; June 11.
Images which are geometrically equivalent, applicable to photography and to cinematography, Production of. L. Planskoy. 2,204,049; June 11.
Immersion burner. A. V. Ritts and O. R. Olson. 2,204,051; June 11.
Indicating and measuring instrument. J. A. L. Deters. 2,203,984; June 11.
Indicating mechanism. J. W. Allen. 2,204,463; June 11.
Indicator: *See*—
Deviation indicator. Vibration indicator.
Electrical route indicator. Water motor.
Stroboscopic distant indicator.
Inking arrangement of platen printing presses. F. S. Thompson. 2,203,848; June 11.
Insecticide. C. H. Peddrick, Jr. 2,203,744; June 11.
Insecticide. A. W. Ralston, J. Harwood, and E. W. Hopkins. 2,204,511; June 11.
Insecticide. H. E. Whitmire. 2,204,197; June 11.
Insecticide composition, Combination. D. F. Murphy. 2,203,919; June 11.
Insecticidal agent. H. A. Bruson. 2,204,009; June 11.
Insole, Welt. H. G. Lumbard. 2,204,505; June 11.
Insulation. H. M. Wilkoff. 2,204,288; June 11.
Iron stand. O. O. Lamb. 2,203,962; June 11.
Ironing machine. W. G. Zigler. 2,203,936; June 11.
Isotopes, Separation of. J. G. Dean. 2,204,072; June 11.
Jarring tool. H. P. Wickersham. 2,204,458; June 11.
Joint: *See*—
Rail joint. Road joint.
Joint equalizer spring. J. J. Gallagher. 2,204,304; June 11.
Ketones, Chlorination of. P. C. Jones. 2,204,135; June 11.
Key case. B. A. Leue. 2,203,830; June 11.
Keyboard, Calculating machine. O. W. Swanson. 2,204,239; June 11.
Kiln, Rotary. L. J. Mueller. 2,204,145; June 11.
Knife sharpening device. C. L. Jenks. 2,203,788; June 11.
Knitting machine. H. Agulnek. 2,203,711; June 11.
Knitting machine. C. Dupuis. 2,203,948; June 11.
Knitting machine. M. C. Miller. 2,203,693; June 11.

Knitting machine, Automatic wrap stripe. R. H. Lawson. 2,204,417; June 11.
Knitting machine, Straight. O. F. Smetana. 2,204,322; June 11.
Ladder, Car. G. A. Steuber. 2,204,163; June 11.
Lamellar trisodium phosphate hydrate. W. W. Heckert. 2,204,357; June 11.
Lamellar trisodium phosphate hydrate. W. W. Heckert and J. E. Kirby. 2,204,358; June 11.
Lamellar trisodium phosphate hydrate. R. J. Kepfer. 2,204,364; June 11.
Lamp: *See*—
Arc lamp. Reflecting electric lamp.
Electric incandescent lamp. Table lamp.
Lamp fixture, Electric. P. W. Miller and W. A. Trosen. 2,204,316; June 11.
Lamp stand, Electric. A. Matthies. 2,204,508; June 11.
Lash adjuster, Hydraulic. J. E. Eshbaugh. 2,203,952; June 11.
Latch: *See*—
Hood latch. Refrigerator latch.
Latch. W. D. Ferris. 2,203,817; June 11.
Latch for automotive vehicle doors. B. J. Craig. 2,204,208; June 11.
Latch mechanism, Door. K. M. Sletten. 2,203,845; June 11.
Latch or catch for cameras and other structures, Door. H. M. Hendrickson. 2,204,359; June 11.
Latex, Treatment of. W. A. Gibbons and J. McGavack. 2,203,866; June 11.
Lawn edger. J. A. Brooks. 2,204,246; June 11.
Lead, Bendable electric. G. E. Megow and H. G. Thomson. 2,203,996; June 11.
Leather finishing. H. B. Walker and P. W. McWherter. 2,204,520; June 11.
Leg for furniture. F. W. Eriksson. 2,204,077; June 11.
Lens, Electron. H. G. Lubszynski. 2,203,734; June 11.
License plate and case therefor, Illuminated. A. H. Hoover and H. D. Clark. 2,203,785; June 11.
Lifter: *See*—
Pan lifter.
Light: *See*—
Signal light.
Light bulb and control switch therefor, Multifilament electric. 2,203,762; June 11.
Light uniformly, Distributing. H. J. Brunk. 2,204,297; June 11.
Lighter, Cigar. P. E. Ashton. 2,203,662; June 11.
Lighter, Cigarette. I. Florman. 2,203,681; June 11.
Lighting fixture for railway cars and the like. L. L. Stewart. 2,204,327; June 11.
Limit switch. M. E. Weeks. 2,203,709; June 11.
Line, Concentric. L. J. Wolf. 2,203,800; June 11.
Line coupling. J. H. Paisley. 2,203,922; June 11.
Line designating machine. J. A. Gottlieb. 2,204,305; June 11.
Line drop compensator. T. C. Lennox and S. Minneci. 2,204,418; June 11.
Liner for internal combustion engines. K. Wilcken, F. Kliempt, W. Fritz, and W. Heck. 2,203,885; June 11.
Liner for molds for linotype machines. J. J. Koblinski. 2,204,314; June 11.
Lining for garments. E. E. Meier. 2,204,094; June 11.
Liquefier, Power driven. F. R. Chester. 2,203,672; June 11.
Liquid level gauge. W. E. MacCreedy. 2,204,253; June 11.
Liquid operated motor. C. J. Coberly. 2,204,120; June 11.
Liquids and filling containers, Sterilizing. H. F. Glunz. 2,204,131; June 11.
Liquids, Process and apparatus for treating. D. D. Burch. 2,203,718; June 11.
Lister. W. H. Silver. 2,203,972; June 11.
Liver, Treatment of. V. A. Wise, S. B. Duffies, G. R. Henney, and C. L. Lohner. 2,204,459; June 11.
Load bracing device. W. F. Eisensmith. 2,204,075; June 11.
Lock: *See*—
Steering column lock.
Lock. L. M. Dyson. 2,204,345; June 11.
Lock. C. E. Fyfe. 2,203,819; June 11.
Locomotive, Streamlined. C. H. Knowlton and G. M. Davies. 2,204,137; June 11.
Loud-speaker. H. F. Olson. 2,203,875; June 11.
Loud-speaker arrangement. H. Benecke. 2,203,715; June 11.
Lubricant injector for internal combustion engines, Automatic. C. B. Leigh. 2,204,277; June 11.
Lubrication device, Automatic. K. W. Atwater. 2,204,171; June 11.
Lubricator. C. A. Campbell. 2,204,110; June 11.
Luminescent material. R. W. P. de Vries. 2,203,898; June 11.
Luminescent material and producing the same. T. E. Foulke. 2,203,682; June 11.
Machine for decoding symbols. W. D. Ryan and R. H. Hendrickson. 2,204,153; June 11.
Machine for feeding, counting, and packaging articles. F. E. Domke. 2,204,126; June 11.
Machine tool. F. Gaitzsch. 2,204,485; June 11.
Magnetic clamp. W. C. Barnes and H. W. Keevil. 2,204,396; June 11.
Marker, Umbrella. I. I. Hearing. 2,204,307; June 11.
Massaging device. S. Aoyagi. 2,203,976; June 11.
Material, Constructional. A. C. Fischer. 2,204,533; June 11.
Material separator. J. Embusk. 2,204,478; June 11.
Materials of keratin composition, Protecting. H. Humfeld, J. H. Kettering, and R. E. Elmquist. 2,204,360; June 11.
Mathematical instrument. G. J. Dashefsky. 2,203,674; June 11.
Mattress, Sectional spring. J. Eichthaler. 2,203,950; June 11.
Measuring apparatus. C. Johnson. 2,203,789–90; June 11.
Measuring instrument. H. Baer and M. J. Finnegan. 2,203,766; June 11.
Measuring system. J. B. Sherman. 2,203,750; June 11.
Mechanism for machine finished matching of edge jointing lumber for stock of nonuniform width. F. A. Nichlson and W. T. Pritchard. 2,204,439; June 11.
Mechanism for photographically recording voting machine indications. E. S. Hineline. 2,203,906; June 11.
Melamine and its deamination products, Manufacture of. L. J. Christmann and G. H. Foster. 2,203,860; June 11.
Melting furnace. P. L. Bowser, Jr. 2,204,173; June 11.
Membrane, High pressure. A. Brendlin. 2,203,859; June 11.
Message recording and reproducing apparatus, Telephone. C. C. Plumb. 2,203,877; June 11.
Metal objects, Sintering porous. J. H. Davis, R. P. Koehring, and J. T. Marvin. 2,203,895; June 11.
Methacrylic acid ester polymers, Low molecular weight. D. E. Strain. 2,204,517; June 11.
Mica, Producing clean wet-ground. F. C. Atwood. 2,204,063; June 11.
Mill: *See*—
Pulverizing mill. Rolling mill.
Mill. H. W. Langbein. 2,204,140; June 11.
Mixer: *See*—
Gas mixer.
Mixer. C. V. Russell. 2,204,029; June 11.
Mixture applicable to tires, footwear, or the like to prevent skidding. H. T. Barnes. 2,204,466; June 11.
Modulator circuit. R. Andrieu. 2,204,061; June 11.
Moistening apparatus for sealing adhesive surfaces and the like. J. Siegel. 2,204,190; June 11.
Mold: *See*—
Concrete mold.
Molded composition resistor. G. E. Megow and H. G. Thomson. 2,203,997; June 11.
Molding apparatus. H. H. Rodefer and H. Vaupel. 2,204,151; June 11.
Molding machine. J. Flammang and P. L. Bowser. 2,204,407; June 11.
Molding means for making thermoplastic articles. H. A. Husted. 2,203,787; June 11.
Motion transmission system. G. Wünsch. 2,204,460; June 11.
Motor: *See*—
Electric motor. Liquid operated motor.
Electrothermal motor.
Motor control system. C. M. Hines. 2,203,907; June 11.
Mounting: *See*—
Bulldozer mounting. Plow disk mounting.
Compressor mounting. Spindle mounting.
Ophthalmic mounting.
Mounting for cards, photographs, and the like. A. A. Ainsworth. 2,204,098; June 11.
Mounting for Jacquard cylinders. H. V. Foster. 2,204,484; June 11.
Mounting for mower mechanism. R. W. Wagner. 2,204,335; June 11.
Mounting for wind charging units. J. R. Albers. 2,204,462; June 11.
Mower, Lawn. A. F. Moyer. 2,204,255; June 11.
Mower, Power. A. F. Moyer. 2,204,254; June 11.
Mower, Power gang lawn. G. F. Bishop and A. F. Moyer. 2,204,244; June 11.
Mowing machine. R. W. Wagner. 2,204,333; June 11.
Mowing machine for bent turfs. E. Picha. 2,204,256; June 11.
Mowing structure. R. W. Wagner. 2,204,334; June 11.
Musical instrument. R. B. Quattrociocche. 2,204,150; June 11.
Nest, Poultry. C. A. Sifakas. 2,204,284; June 11.
Nibbling machine. G. F. Ryan. 2,204,258; June 11.
Nitric acid oxidation of oleic and other fatty acids. E. K. Ellingboe. 2,203,680; June 11.
Nitriles, Preparation of aromatic. A. G. Deem and W. A. Lazier. 2,203,861; June 11.
Noise reduction system. V. D. Landon. 2,204,089; June 11.
Noise rejecting limiter system. V. D. Landon. 2,204,090; June 11.
Nondetonating engine. V. F. Zahodiakin. 2,203,763; June 11.
Nozzle, Suction. L. J. F. Ell. 2,204,128; June 11.
Nut cracker. D. N. Himes. 2,204,040; June 11.
Nut, Self-locking. M. Schmidt and K. Gmöhling. 2,204,385; June 11.
Oil and gas separator. R. S. McKeever. 2,204,509; June 11.

Oil burner. R. D. Schoenwetter. 2,204,451; June 11.
Oil conveying member for journal boxes. T. E. Newberry. 2,204,376; June 11.
Oil filter. R. N. Burckhalter. 2,203,668; June 11.
Oil-insoluble reaction product of an alkanol amine and petroleum sulphonic acids. K. T. Steik. 2,204,326; June 11.
Oil refining, Vegetable. B. H. Thurman. 2,204,109; June 11.
Oil, Sulphurized. B. H. Lincoln and W. L. Steiner. 2,204,538; June 11.
Oils, Conversion of hydrocarbon. L. A. Mekler. 2,203,833; June 11.
Oils, Treatment of hydrocarbon. W. A. Schulze. 2,204,234; June 11.
Opener, Can. F. W. Kublin. 2,204,368; June 11.
Opener, Package. S. Wyres. 2,204,267; June 11.
Ophthalmic mounting. S. E. Bouchard. 2,204,470; June 11.
Optical instrument. J. L. Barnes. 2,204,291; June 11.
Ore, Decomposing zirconium. L. Teichmann and H. Martini. 2,204,454; June 11.
Ores, Flotation of. E. Ott. 2,203,740; June 11.
Oven, Baking. E. M. Meacham. 2,204,045; June 11.
Oven charging-hole closure construction, Coke. W. Schmidt. 2,203,698; June 11.
Overload protection system, Motor. B. E. O'Hagan. 2,203,920; June 11.
Package, Merchandising. E. M. Brogden. 2,204,118; June 11.
Packaging machine. S. R. Howard. 2,204,134; June 11.
Packer for concrete pipe, Inverted bell. R. M. La Due. 2,204,020; June 11.
Packer, Open hole. R. E. O'Donnell. 2,204,378; June 11.
Pan, Frying. W. Beatson. 2,204,467; June 11.
Pan lifter. M. E. Brown. 2,203,812; June 11.
Paper cutter. C. H. Richardson. 2,204,227; June 11.
Paper folding machine, Wax. F. M. Hitner. 2,204,274; June 11.
Paper manufacture, Ornamental. F. V. Lofgren. 2,204,141; June 11.
Papermaking machine. W. H. Millspaugh. 2,204,426; June 11.
Parking device and method of operating. H. F. Mason. 2,204,023; June 11.
Pattern for castings. P. F. Collins. 2,204,123; June 11.
Pedal, Accelerator. J. R. Thorp. 2,203,933; June 11.
Pen lifting attachment for recording meters. J. H. Melville. 2,204,046; June 11.
Petroleum distillation. F. J. Smith. 2,203,930; June 11.
Phenols and producing them, Alkylated. A. F. Bowles. 2,204,339; June 11.
Photoamplifier system. H. Shore. 2,203,882; June 11.
Photoelectric tube. H. Steyskal. 2,204,388; June 11.
Photoflash synchronizer. S. Mendelsohn. 2,204,424; June 11.
Photographic element, Antihalation. W. D. Baldsiefen. 2,203,767–8; June 11.
Photographic fixing powder, Stabilized. G. P. Ham. 2,203,903; June 11.
Photographic printing. J. Eggert and G. Heymer. 2,204,074; June 11.
Picture frame. S. S. Moore. 2,203,737; June 11.
Pigment. J. C. Heckman. 2,203,905; June 11.
Pile holes, Shoring bell bottom. B. E. Bertran. 2,203,978; June 11.
Pilot, Airplane automatic. B. G. Carlson. 2,203,671; June 11.
Pin: *See*—
Coupling pin.
Pipe: *See*—
Exhaust pipe. Tobacco pipe.
Pipe cutter, Inside. G. A. Lowrey. 2,204,091; June 11.
Pipe thread protector. B. Engstrom. 2,204,130; June 11.
Piston expander. A. J. Mummert. 2,204,025; June 11.
Piston for air guns. C. F. Lefever. 2,204,370; June 11.
Piston for air guns. J. J. McHenry. 2,204,372; June 11.
Piston locking device. L. Meyer. 2,204,279; June 11.
Plant cuttings, Stimulation of growth from. N. H. Grace. 2,204,214; June 11.
Plant growth by the treatment of seeds, Stimulation of. N. H. Grace. 2,204,213; June 11.
Planter box. W. B. Bennett. 2,203,771; June 11.
Planter, Seed. E. Bower. 2,204,245; June 11.
Plate holder, Photographic. S. S. Levin. 2,203,912; June 11.
Plate registering machine. H. A. Wood. 2,204,523; June 11.
Plates and apparatus therefor, Handling magnetizable. C. R. Coburn. 2,204,207; June 11.
Platen and manufacturing the same. B. L. Smith. 2,203,752; June 11.
Platform, Lifting. K. Klemm. 2,204,365; June 11.
Plow disk mounting. A. G. Harris. 2,204,490; June 11.
Plow, Two way. E. Glorfield. 2,204,487; June 11.
Plug: *See*—
Connector plug. Scupper plug.
Plugs in extraction units, Method and mechanism for continuously forming liquid-impervious. M. Bonotto. 2,203,666; June 11.
Pneumatic separator. G. W. Hammack. 2,203,959; June 11.
Polisher. A. M. Hutchinson. 2,203,728; June 11.
Polymers of high molecular weight and producing same. M. Mueller-Cunradi and M. Otto. 2,203,873; June 11.
Position determining system and method. J. Neufeld. 2,204,438; June 11.
Power plant, Elastic fluid. P. H. Knowlton, Jr. 2,204,138–9; June 11.
Power plant, Elastic fluid. G. B. Warren. 2,204,111; June 11.
Power plants, Regulating and starting thermal. C. Keller. 2,203,731; June 11.
Power system. J. H. Blankenbuehler. 2,203,717; June 11.
Power transmission mechanism. C. G. Wennerstrom. 2,204,521; June 11.
Press: *See*—
Hydromechanical press.
Presses, Safety control vulcanizer. R. A. F. Sandberg, P. F. K. Erbguth and E. S. Smith, Jr. 2,204,513; June 11.
Pressing machine for use in footwear manufacture. J. F. Smith. 2,204,386; June 11.
Printing plate. A. R. Trist. 2,203,849; June 11.
Printing rolls, Manufacture of. M. M. Safford. 2,204,383; June 11.
Process control. P. F. K. Erbguth and R. A. F. Sandberg. 2,204,532; June 11.
Prod, Electric animal. E. S. Jefferson. 2,204,041; June 11.
Protective device for electric circuits. M. Gossmann. 2,203,867; June 11.
Protective device for electrical circuits. E. Posada Zendejas. 2,203,853; June 11.
Protector: *See*—
Pipe thread protector. Shirt and collar protector.
Pruner and like tool, Pole. H. W. Porter and F. T. Lind. 2,203,926; June 11.
Pulley, Jockey. J. Hughes. 2,204,084; June 11.
Pulp articles, Method and apparatus for forming. W. P. Lass. 2,204,276; June 11.
Pulverizing mill. P. Swartz. 2,204,057; June 11.
Pump: *See*—
Centrifugal pump.
Pump. S. E. Larson. 2,203,828; June 11.
Pump. R. A. Weinhardt. 2,203,974; June 11.
Punching machine. W. B. Dunlap. 2,204,405; June 11.
Putty, Wood. L. C. Sohngen. 2,204,324; June 11.
Rack: *See*—
Display rack.
Rack for refrigerator cars, Floor. G. A. Steuber. 2,204,165; June 11.
Radiator. C. A. Hammond. 2,203,904; June 11.
Radio apparatus. A. Blain. 2,203,811; June 11.
Radio beam system. I. Wolff. 2,203,807; June 11.
Radio frequency distribution system. H. O. Rossenstein. 2,203,746; June 11.
Radio frequency winding with iron core. L. Kamenarovic. 2,204,086; June 11.
Radio mast, Automobile. S. Stevenson. 2,204,031; June 11.
Radio signaling system. A. V. Loughren and J. C. Smith. 2,204,422; June 11.
Radio traffic control. W. R. Koch. 2,203,871; June 11.
Radio transmitting system. E. H. Armstrong. 2,203,712; June 11.
Radiographic method and apparatus. G. W. Files. 2,204,347; June 11.
Rail fastener, Spring clip. G. M. Magee. 2,203,994; June 11.
Rail joint. O. Balcar. 2,204,395; June 11.
Railway crossing signal. F. W. Griswold. 2,203,988; June 11.
Razor. W. T. Morris and L. Kuhnl. 2,203,837; June 11.
Razor, Electric. W. A. Phelps. 2,204,444; June 11.
Reactor, Continuous. W. L. Semon. 2,204,156; June 11.
Reagent, Flotation. E. Ott. 2,203,739; June 11.
Receiver, Back-to-back. M. G. Crosby. 2,204,342; June 11.
Receiver circuit, Television. C. C. Eaglesfield. 2,203,722; June 11.
Receptacle: *See*—
Ash receptacle.
Recording and control apparatus. W. S. Macdonald. 2,203,689; June 11.
Recording instrument. F. Buechmann. 2,203,667; June 11.
Reel: *See*—
Fishing reel. Thread-advancing reel.
Reflecting electric lamp. C. Birdseye and P. Deren. 2,204,399; June 11.
Refractory and making it. R. C. Benner and G. J. Easter. 2,203,770; June 11.
Refrigerating apparatus, Absorption. R. S. Nelson. 2,204,226; June 11.
Refrigerating apparatus, Absorption. H. L. Schug. 2,204,233; June 11.
Refrigeration. S. W. E. Andersson. 2,204,060; June 11.
Refrigeration. H. Romanski. 2,204,382; June 11.

Refrigerator latch. W. F. Dart. 2,204,053; June 11.
Register, Autographic. R. Katz and H. J. Waechter. 2,204,220; June 11.
Register system for watchmen. E. L. Overstreet and E. L. Harris. 2,203,741; June 11.
Relay, Interlocking. J. M. Evans and E. J. Phillips. 2,203,779; June 11.
Remote control device. C. G. Seright. 2,204,054; June 11.
Retinoscope. J. H. Grout. 2,204,014; June 11.
Ribbon. E. Hyman. 2,203,822; June 11.
Ribbon inking device. P. E. Vega. 2,203,757; June 11.
Rifle front sight, Full view. O. E. Forsling. 2,204,483; June 11.
Ring: *See*—
Sealing ring.
Road joint, Concrete. C. Older. 2,203,999; June 11.
Rock drill. A. Feucht. 2,203,954; June 11.
Rod: *See*—
Curtain rod. Weld rod.
Rod coupling. E. H. Lampkin. 2,204,103; June 11.
Roentgen ray cone by means of an auxiliary lamp, Device for adjusting the. A. Baier. 2,204,465; June 11.
Roll for textile machinery. W. Stahlecker. 2,204,515; June 11.
Rolling mill. J. J. Munson. 2,204,434; June 11.
Rolling mill plant for the manufacture of seamless tubes. H. Heetkamp. 2,204,491; June 11.
Rotor construction for rotary pumps. J. D. Dodge. 2,204,073; June 11.
Rubber composition and preserving rubber. R. F. Dunbrook and B. J. Humphrey. 2,203,899; June 11.
Rubber process and product. T. L. Shepherd. 2,203,701; June 11.
Rule gauge. J. W. Fulton. 2,204,353; June 11.
Safe, Burglar resisting. C. R. Davis. 2,203,675; June 11.
Safety device. C. E. Blank. 2,204,338; June 11.
Salts of 2-keto-aldonic acids, Preparation of. R. Pasternack and P. P. Regna. 2,203,923; June 11.
Salts, soap, and like personal toilet substances, Wrapping and presentation for use of bath. H. Fernbach. 2,204,037; June 11.
Sash holder mechanism. R. T. Axe. 2,204,464; June 11.
Scale, Weighing. S. N. Hurt. 2,203,786; June 11.
Scraper, Battery post. A. P. Stone. 2,204,516; June 11.
Scraping device. H. C. Otis. 2,203,966; June 11.
Screen negatives, Production of. A. C. and H. E. Hansch. 2,204,080; June 11.
Screen structure, Vibrating. G. A. Overstrom. 2,204,379; June 11.
Scupper plug. E. A. Brooks. 2,204,400; June 11.
Seal for sand filter cleaning mechanism. C. E. Fraser. 2,204,534; June 11.
Sealing-in machine. F. J. Malloy. 2,203,917; June 11.
Sealing ring. J. A. Martin. 2,204,507; June 11.
Seal, Valve. T. G. Hare. 2,204,355; June 11.
Seat: *See*—
Toilet seat.
Sectional cabinet. E. Bergman. 2,203,716; June 11.
Seed cleaner. H. W. Whitlock. 2,204,032; June 11.
Seine. F. F. Kors. 2,203,827; June 11.
Separator: *See*—
Material separator. Pneumatic separator.
Oil and gas separator.
Sharpener, Lawn mower. H. W. Beaver. 2,204,293; June 11.
Sharpening device. C. R. Ellis. 2,203,951; June 11.
Shaving implement. J. Muros. 2,204,146; June 11.
Shears, Pinking. C. J. Dalley. 2,204,071; June 11.
Sheet holder, Surfacing machine abrasive. E. B. George. 2,204,486; June 11.
Sheet-metal strip, Severing marginal trimmings as they are cut from. L. W. Nash. 2,203,738; June 11.
Sheet separating and feeding mechanism for printing presses. J. F. Jirousek. 2,203,823; June 11.
Shields, Making and assembling expansion. R. E. McIntosh. 2,204,373; June 11.
Shirt and collar protector. S. Lighter. 2,204,419; June 11.
Shock absorber. C. D. Johnston. 2,204,415; June 11.
Shoe and platform for use in the same, Platform. A. C. Sewall. 2,204,159; June 11.
Shoe, Athletic. I. Shapiro. 2,203,929; June 11.
Shoe tree. J. W. Loney. 2,203,792; June 11.
Shoe with a device for preventing and treating flat-footedness. H. Ganzer. 2,204,410; June 11.
Signal: *See*—
Railway crossing signal. Traffic signal.
Signal device for vehicles. B. Peyton. 2,204,027; June 11.
Signal generator, Ultra high frequency. R. W. George. 2,204,179; June 11.
Signal light. C. M. Bolser. 2,204,525; June 11.
Signal responsive control system, High frequency. G. L. Beers. 2,203,857; June 11.
Signal switch, Unitary. H. E. Metcalf. 2,204,096; June 11.
Signaling, Directive. W. van B. Roberts. 2,204,052; June 11.
Signaling system. M. Geiger. 2,203,865; June 11.
Signaling system. R. Urtel. 2,204,058; June 11.
Signaling system, Privacy. E. S. Purington. 2,204,050; June 11.
Signal translating apparatus, Electrical. E. C. Guedon. 2,203,820; June 11.
Silking, Method of and apparatus for producing crinkled. L. P. Van der Essen. 2,203,804; June 11.
Skate, Roller. G. Meister. 2,204,280; June 11.
Ski pole construction. J. J. Birkhofer. 2,204,469; June 11.
Slack adjuster for vehicle brakes, especially railway car brakes, Automatic. B. H. Browall and L. Scheib. 2,203,890; June 11.
Soils, Solidification of sandy. J. W. Schwab, S. F. Powell, and G. Smith. 2,203,881; June 11.
Solvent for high molecular weight polymers of isoolefins. P. J. Wiezevich. 2,204,167; June 11.
Spigot for wine casks and the like. J. R. Ricketts. 2,203,968; June 11.
Spinal adjustment device. F. E. Schuster and H. E. Paul. 2,204,259; June 11.
Spindle for winding machines. J. T. Crandall. 2,204,475; June 11.
Spindle mounting, Machine tool. F. M. Davis. 2,203,943; June 11.
Spinner switch, Rotary. C. J. Breitenstein and F. G. Nicolaus. 2,203,889; June 11.
Spool winding means for cameras. W. E. Tait. 2,204,518; June 11.
Spraying apparatus. A. J. Tucci. 2,203,851; June 11.
Spraying machine. T. F. Bracket. 2,203,940; June 11.
Spring: *See*—
Joint equalizer spring.
Stamp pocket for album mounting, Transparent. P. Zimmer. 2,203,887; June 11.
Stand: *See*—
Accordion stand. Lamp stand.
Iron stand.
Starter, Engine. J. W. Fitz Gerald. 2,203,724; June 11.
Starter, Engine. R. M. Nardone. 2,203,795; June 11.
Starting mechanism, Gas operated. N. Herzmark. 2,204,308; June 11.
Steam generator. M. Frisch. 2,204,350; June 11.
Steam generators, Firing. M. Frisch. 2,204,351; June 11.
Steam locomotive engine. O. W. Young. 2,203,975; June 11.
Steel and the metallurgical product produced thereby, Heat treating. E. S. Davenport and E. H. Engel. 2,204,209; June 11.
Steel producing. M. W. Ditto. 2,203,778; June 11.
Steel, Tool. A. D. Potts and D. Simonds. 2,204,283; June 11.
Steel wires, Hardening. R. Suchy. 2,204,005; June 11.
Steering column lock. W. C. Edwards. 2,203,949; June 11.
Steering device. G. S. Crockett. 2,204,070; June 11.
Steering device, Automatic. R. Alkan. 2,204,290; June 11.
Steering system for automobiles. W. P. Berry. 2,203,810; June 11.
Steering wheel. F. E. Lange. 2,203,791; June 11.
Stencil material, Photographic. A. Murray. 2,204,147; June 11.
Stock regulating apparatus for paper machines. E. Poirier. 2,203,925; June 11.
Stoker, Coal. A. T. Rankin. 2,203,844; June 11.
Stop, Automatic car. A. S. Hayden. 2,204,102; June 11.
Stop for accounting machines, Adjustable paper. W. A. Anderson. 2,204,242; June 11.
Stopcock. O. Seppelfricke. 2,204,452; June 11.
Strata, Method and apparatus for determining the strike and dip of subsurface. C. H. Johnson. 2,203,730; June 11.
Stretcher and creaser, Garment. W. C. Hansen. 2,204,354; June 11.
Stretcher contrivance for use in ski tours, Emergency. T. Insam. 2,203,909; June 11.
Stroboscopic distant indicator. C. E. Main and L. Hanson. 2,203,995; June 11.
Suede finish, Producing. E. R. Stern. 2,204,262; June 11.
Sulphur bleaching animal textile fiber, Process and apparatus for. L. H. Mason. 2,204,044; June 11.
Sulphuric acid esters of alcoholethers containing carbocyclic group. A. Steindorff, G. Balle, P. Heimke, and K. Hors. 2,203,883; June 11.
Supercharger, Multispeed. E. F. Pierce. 2,203,843; June 11.
Support: *See*—
Collar or neckband support.
Support. A. F. Gaidos. 2,204,013; June 11.
Surface-protective apparatus. R. S. Colley. 2,204,122; June 11.
Surgical instrument and using the same. E. G. Kesling. 2,204,275; June 11.
Switch: *See*—
Auxiliary switch. Signal switch.
Electric switch. Spinner switch.
Limit switch. Thermostatic switch.
Switch operating apparatus, Railway track. J. W. Logan, Jr. 2,203,913; June 11.
Synchronizing method. R. Möller. 2,204,427; June 11.
Table: *See*—
Folding table. Tennis table.
Table lamp, Electric. D. F. Illian. 2,204,362; June 11.
Table mechanism, Feeder and catcher. R. J. Leckrone. 2,203,733; June 11.

Tanning material. A. Russell and J. W. Copenhaver. 2,204,512; June 11.
Tape-applying machine, Automatic. A. Bennett. 2,203,977; June 11.
Telegraph apparatus, Picture. H. Steiner. 2,204,238; June 11.
Telephone system. I. Geitgey. 2,203,725; June 11.
Telephone system. A. M. Skellett. 2,204,055; June 11.
Telephone system. H. Töpfer. 2,203,755–6; June 11.
Television system. L. E. Q. Walker. 2,203,758; June 11.
Telephone system. E. Wochinger. 2,203,935; June 11.
Television transmitting tube. W. H. Hickok. 2,204,250; June 11.
Tennis table. L. B. Gatz. 2,203,780; June 11.
Tent, Automobile. D. Morgadanes. 2,204,432; June 11.
Testing device. H. O. Hem. 2,203,782; June 11.
Thermoresponsive device. L. M. Persons. 2,203,841; June 11.
Thermostatic switch, Combination. C. A. Rudolph. 2,204,231; June 11.
Thread-advancing reel. H. B. Kline and L. J. Jordan. 2,203,686; June 11.
Thread-cutting device for lathes. W. Ogilvie. 2,204,441; June 11.
Thread, Drying wet. H. B. Kline and L. J. Jordan. 2,204,500; June 11.
Thread remover, Pneumatic. R. G. Turner. 2,204,456; June 11.
Thread, filaments and the like, Crimping. H. P. Cobb. 2,204,341; June 11.
Ticket delivering and recording machine. M. L. Haney 2,204,133; June 11.
Time recorder. E. S. Ostler. 2,204,187; June 11.
Time recorder system. G. R. Eaton. 2,204,346; June 11.
Tires, Forming pneumatic. G. C. Berryman. 2,204,468; June 11.
Tobacco, Method and apparatus for conditioning. R. D. Touton. 2,204,240; June 11.
Tobacco pipe. H. Howell. 2,204,311; June 11.
Tobacco pipe. J. Pedery. 2,204,282; June 11.
Toilet, Animal. S. H. Kramer. 2,204,416; June 11.
Toilet seat, Sanitary. E. N. Cook. 2,204,100; June 11.
Tool: *See*—
Jarring tool. Valve spring tool.
Machine tool.
Tool. E. H. Fawley. 2,204,303; June 11.
Tool transmission and control, Machine. F. A. Parsons. 2,203,743; June 11.
Toothpick dispenser. C. Anderson. 2,203,765; June 11.
Top, Sliding. H. D. Solomon and F. Humer. 2,203,931; June 11.
Totalizing mechanism for voting apparatus. C. F. Thompson. 2,203,707; June 11.
Toy. F. F. Ferrary. 2,204,078; June 11.
Toy structure. D. M. Warren. 2,204,264; June 11.
Tractor, Hand. P. E. Mack. 2,203,735; June 11.
Traffic controlling apparatus, Railway. H. L. Ludwig. 2,203,916; June 11.
Traffic controlling system for railroads, Centralized. N. D. Preston. 2,204,445; June 11.
Traffic signal. F. H. Richterkessing. 2,204,228; June 11.
Trailer. R. C. Townsend. 2,204,108; June 11.
Transmission. G. F. Schlote. 2,204,514; June 11.
Trap for hammer mills, Metal. W. J. Clement. 2,204,069; June 11.
Trapped self-draining pitot-static tube. P. Kollsman. 2,204,367; June 11.
Tray, Ice. G. R. Long. 2,203,915; June 11.
Treating process. M. Cornell. 2,203,673; June 11.
Trough for grading machines, Feed. O. Fesefeldt. 2,204,480; June 11.
Truck, Lifting. F. G. Mahaffy. 2,203,872; June 11.
Tube: *See*—
Electron tube. Trapped self-draining
Photoelectric tube. pitot-static tube.
Television transmitting tube. Vacuum tube.
Tube slotting or punching die. A. A. Hale. 2,204,273; June 11.
Tube testing device. B. A. Little. 2,203,688; June 11.
Tuning indicator circuit. F. B. Stone. 2,204,056; June 11.
Tuning indicator system for radio receiving apparatus, and the like. G. L. Beers. 2,204,398; June 11.
Tuning system, Motor driven. H. H. Belzer and W. E. Newman. 2,204,065; June 11.
Turbine for expansion of gas to produce refrigeration. G. Zerkowitz. 2,204,169; June 11.
Turbines, Operation of steam. M. Werner and H. Tietz. 2,204,522; June 11.
Typewriting machine. W. A. Dobson. 2,204,248; June 11.
Typewriting machine. W. F. Helmond. 2,204,249; June 11.
Typewriting machine, Manifolding. F. K. Davis. 2,204,247; June 11.
Ultra-short-wave transmitting and receiving device. E. Wilckens. 2,203,760; June 11.
Umbrella, Folding. H. Haupt. 2,204,536; June 11.
Underwear. G. D. Pray. 2,204,380; June 11.
Vaccine, Equine encephalomyelitis. J. W. Beard. 2,204,064; June 11.
Vacuum cleaner. G. E. Lofgren and C. L. Brown, Jr. 2,203,964; June 11.
Vacuum tube. W. T. Harris. 2,204,306; June 11.
Valve: *See*—
Brake control valve. Gate valve.
Flow valve. Releasable floating valve.
Flush valve.
Valve. T. G. Hare. 2,203,684; June 11.
Valve. S. J. Nordstrom. 2,204,440; June 11.
Valve. M. J. Phillips. 2,204,048; June 11.
Valve. J. B. Powers. 2,204,257; June 11.
Valve device. L. S. Hamer. 2,203,989; June 11.
Valve for hydraulic presses, Surge. R. W. Dinzl. 2,204,270; June 11.
Valve keepers, Device for holding. F. Hildenbrand. 2,204,309; June 11.
Valve packing gland. O. B. Holmquist, Sr. 2,204,310; June 11.
Valve spring tool. B. H. Peak. 2,204,443; June 11.
Valve with gas chamber in cage, Pump. E. G. Ware. 2,203,759; June 11.
Vane type heater. H. E. Trent. 2,204,332; June 11.
Vaporizer. W. L. C. Huxter. 2,204,312; June 11.
Vehicle control, Motor. A. A. Wentzel. 2,204,265; June 11.
Vehicle wheel. A. J. Cornelissen. 2,203,774; June 11.
Vending machine. G. P. Mergens. 2,203,834; June 11.
Ventilating and humidifying system. A. F. Karlson. 2,204,016; June 11.
Vermiculite processing machine. W. H. D. Hinchman. 2,203,821; June 11.
Vibrating device. A. I. Caquot. 2,204,472; June 11.
Vibration indicator. A. V. Mershon. 2,204,425; June 11.
Vibrator head rest. B. Decker. 2,204,035; June 11.
Viscous materials, Continuous mixing of. R. V. Burt. 2,203,980; June 11.
Visibility control wheel. W. L. Wells. 2,203,852; June 11.
Volumetric feeder. J. M. Montgomery. 2,204,097; June 11.
Wafer for attaching heels and heel-breast flaps, Pyroxylin. L. J. Bazzoni. 2,203,769; June 11.
Washing machine. B. A. Benson. 2,203,664; June 11.
Washing machine (scum overflow). L. Zimarik. 2,204,461; June 11.
Water denerator and purifier. S. B. Applebaum. 2,204,062; June 11.
Water motor. E. A. Burgess. 2,203,813; June 11.
Water Purifying. F. G. Merckel. 2,204,225; June 11.
Web alignment, Method of and apparatus for maintaining. D. C. Stockbarker. 2,203,706; June 11.
Weld rod. J. Hinnüber. 2,204,412; June 11.
Well casing and the like, Perforating. F. E. O'Neill. 2,203,796; June 11.
Wells, Treating oil. D. A. Limerick and H. C. Lawton. 2,204,224; June 11.
Wells, Treating oil and gas. H. C. Lawton and A. G. Loomis. 2,204,223; June 11.
Wet treatment of webs of textile material, Method and apparatus for the continuous. W. Dursteler. 2,203,678; June 11.
Wharf for coke oven batteries, Inclined. K. Mack. 2,204,022; June 11.
Wheel: *See*—
Steering wheel. Visibility control wheel.
Vehicle wheel.
Wheel control, Casting. K. A. Lindner. 2,203,831; June 11.
Wheel structure. S. M. Nampa. 2,203,965; June 11.
Window for motor vehicles, Ventilating. E. B. Wiles. 2,203,934; June 11.
Wire, Heat-treating. J. E. Doescher. 2,203,946; June 11.
Wire, Method of and apparatus for drawing. A. Simons. 2,203,751; June 11.
Work handling apparatus. C. A. Shaffer. 2,203,799; June 11.
Wringer feed. G. Czefra. 2,204,302; June 11.
Writing implement, Autoilluminant. J. E. King and R. L. Hale. 2,204,136; June 11.
Yarn and the manufacture thereof, Crepe. R. M. Dingley and W. A. Dickie. 2,203,721; June 11.
Zinc hyposulphate, Manufacture of. R. Luehdemann. 2,204,504; June 11.

CLASSIFICATION OF PATENTS

ISSUED JUNE 11, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adam Hat Stores, Inc., New York, N. Y. Piece goods of cotton, rayon, silk, etc. Serial No. 426,594; June 18. Class 42.

Aktiebolaget Gylling & Co., Stockholm, Sweden. Radio sets, electric sound recording and reproducing apparatus, etc. Serial No. 418,125; June 18. Class 21.

Aktieselskabet Grindstedvaerket, Grindsted, Denmark. Emulsifying and stabilizing agents for use in the production of ice cream. Serial No. 430,709; June 18. Class 46.

Albers Bros. Milling Company, Portland, Oreg. Dog food. Serial No. 424,153; June 18. Class 46.

Alexander, Cecil A., doing business as Choctail Associates, Atlanta, Atlanta, Ga. Chocolate milk food beverage. Serial No. 423,847; June 18. Class 46.

Alice in Wonderland Frocks, Inc., New York, N. Y. Dresses. Serial No. 430,572; June 18. Class 39.

American Art Works, Inc., The, Coshocton, Ohio. Wall calendars. Serial No. 430,710; June 18. Class 38.

American Oak Leather Co., The, Cincinnati, Ohio. Leather. Serial No. 430,210; June 18. Class 1.

American Products Company, The, doing business as The Veeco Chemical Products Co., Cincinnati, Ohio. Upholstery and rug cleaner, preparation for use in washing clothes, stove polish, etc. Serial No. 419,412; June 18. Class 4.

American Sponge and Chamois Company, Inc., New York, N. Y. Genuine chamois skins and imported and domestic leather skins. Serial No. 424,531; June 18. Class 1.

American Woolen Company, New York, N. Y. Three-ply worsted men's wear suiting in the piece. Serial No. 430,991; June 18. Class 42.

Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels and scoops. Serial No. 431,103; June 18. Class 23.

Ammor Record Company, Detroit, Mich. Phonograph records. Serial No. 429,159; June 18. Class 36.

Athletic Shoe Company, The, Chicago, Ill. Slippers. Serial No. 402,587; June 18. Class 39.

Augstein, S., & Co., College Point, New York, N. Y. Package unit consisting of a swimming bag, bathing suit, and hat or cap. Serial No. 429,086; June 18. Class 39.

Barber Asphalt Corporation, Barber, N. J. Composition roofing and shingles. Serial No. 428,949; June 18. Class 12.

Barber, W. H., Company, Minneapolis, Minn. Household insect spray. Serial No. 430,994; June 18. Class 6.

Barta-Grimn Company, Worcester, Mass. Printing inks, dryers in the nature of pastes, etc. Serial No. 430,212; June 18. Class 11.

Bloch Freres, Inc., New York, N. Y. Textile piece goods. Serial No. 426,995; June 18. Class 42.

Bond, J., & Company, Inc., New York, N. Y. Canned fruits and vegetables. Serial No. 431,141; June 18. Class 46.

Briggs Bituminous Composition Company. (See Farber, John D.)

Brody Mfg. Co., not Inc., Chicago, Ill. Stockinette sheets made with rubber insert; flannel sheets made with rubber insert, etc. Serial No. 426,800; June 18. Class 50.

Bruce-Aiders Co. (See Bruce, Johnson.)

Burkhardt-Warner Incorporated, New York, N. Y. Wrapping papers. Serial No. 430,482; June 18. Class 37.

Calloway Mills, La Grange, Ga. Yarns. Serial No. 424,865; June 18. Class 43.

Campbell Dairy Machinery Company, Hampshire, Ill. Stationary and mechanical device having a power operated chain link belt for moving cans and cases, and parts thereof. Serial No. 430,216; June 18. Class 23.

Canfield Oil Company, The, Cleveland, Ohio. Lubricating oils. Serial No. 430,722; June 18. Class 15.

Catanzaro, Alfred, doing business as A. Catanzaro & Co., Long Island City, N. Y. Blended vegetable oil. Serial No. 430,986; June 18. Class 46.

Cerny, George, Cicero, Ill. Musical note charts. Serial No. 430,261; June 18. Class 38.

Chapman, William B., Colorado Springs, Colo. Preparation of vitamin B. Serial No. 429,807; June 18. Class 10.

Chemical Center Corporation, New York, N. Y. Vanilla sugar. Serial No. 429,970; June 18. Class 46.

Chicago Mail Order Company, Chicago, Ill. Pillows. Serial No. 431,348; June 18. Class 32.

Choctail Associates, Atlanta. (See Alexander, Cecil A.)

Chrysler Corporation, Highland Park, Mich. Lubricating oil. Serial No. 430,487; June 18. Class 15.

Chrysler Corporation, Highland Park, Mich. Air cleaner for the fuel system of an internal combustion engine and oil strainer for same. Serial No. 430,490; June 18. Class 31.

Clapp, Edwin, & Son, Incorporated, East Weymouth, Mass. Boots and shoes. Serial No. 428,610; June 18. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and outer shirts. Serial No. 430,851; June 18. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. Serial No. 430,852; June 18. Class 39.

Coast Centerless Grinding Co. (See Tissue, Ray F.)

Cohen, Joseph B., Chicago, Ill. Publication. Serial No. 418,964; June 18. Class 38.

Continental Foods, Inc., Chicago, Ill. Packaged soup. Serial No. 428,862; June 18. Class 46.

Crabtree Refrigeration Corp., Long Island City, N. Y. Refrigerated display cases, ice boxes, and coolers. Serial No. 431,525; June 18. Class 31.

Creative Cosmetic Company of Chicago. (See Simmons, George W.)

Curtis Universal Joint Co., Inc., Springfield, Mass. Heat treated universal joints. Serial No. 431,153; June 18. Class 23.

Cuzalina, T. J., doing business as Kudymern Sales Organization, Ponca City, Okla. Salve. Serial No. 430,437; June 18. Class 6.

Derris, Inc., New York, N. Y. Insecticides. Serial No. 430,862; June 18. Class 6.

De Vry Company, Evansville, Ind. Preparation for use in the treatment of the scalp. Serial No. 429,434; June 18. Class 6.

Disick, Sol, Inc., New York, N. Y. Dresses. Serial No. 429,971; June 18. Class 39.

Disney, Walt, Productions, Los Angeles, Calif. Brooches, neck chains, bangles, etc. Serial No. 430,951; June 18. Class 28.

E. L. I. Products, Quincy, Ill. Waterless cleanser. Serial No. 430,494; June 18. Class 4.

Effervescent Products, Inc., Elkhart, Ind. Alkaline effervescent tablets. Serial No. 430,127; June 18. Class 6.

Elnik, Zenon A., Union, Conn. Ointment. Serial No. 430,178; June 18. Class 6.

Elmo Sales Corporation, Philadelphia, Pa. Rouge, lipstick, mascara, etc. Serial No. 429,564; June 18. Class 6.

Erwin Cotton Mills Co., West Durham, N. C. Men's shirts, suits, trousers, etc. Serial No. 430,497; June 18. Class 39.

Falsodent Company, Brooklyn, N. Y. Cleaner for false teeth and dental plates. Serial No. 430,574; June 18. Class 4.

Famous Lubricants, Inc., Chicago, Ill. Lubricating compounds. Serial No. 430,952; June 18. Class 15.

Farber, John D., doing business as Briggs Bituminous Composition Company, Philadelphia, Pa. Crude coal tar. Serial No. 429,566; June 18. Class 1.

Finkelstein, Jacob, & Sons, Woonsocket, R. I. Clothing. Serial No. 430,390; June 18. Class 39.

Fireside Handcraft Company, Dalton, Ga. Chenille garments. Serial No. 427,241; June 18. Class 39.

Fischer, Harry, & Co., Philadelphia, Pa. Topcoats and overcoats. Serial No. 430,904; June 18. Class 39.

Fisher, Gorman L., Jamestown, N. Y. Tables, chairs, benches, etc. Serial No. 418,297; June 18. Class 32.

Foodcraft Products. (See United Buyers Corporation.)

Forse Corporation, Anderson, Ind. Steam and air pressing machines. Serial No. 430,651; June 18. Class 24.

Foster-Bixler Fuel Company, Pittsburgh, Pa. Coal. Serial No. 429,260; June 18. Class 1.

Foster, Dorothy R., Passaic, N. J. Women's and misses' jackets. Serial No. 430,441; June 18. Class 39.

Gamble Stores Incorporated, Minneapolis, Minn. Lubricating oils and greases. Serial No. 430,597; June 18. Class 15.

Gardner Laboratories, Inc., Chicago, Ill. Chemical compounds used in hardening, dressing, and waterproofing concrete surfaces. Serial No. 429,609; June 18. Class 12.

Geier, P. A., Company, The, Cleveland, Ohio. Tank type electrically operated suction cleaner. Serial No. 417,912; June 18. Class 21.

General Electric Company, Schenectady, N. Y. Insulated electric cord. Serial No. 430,955; June 18. Class 21.

General Mills, Inc., Minneapolis, Minn. Food products, particularly oat cereal breakfast food. Serial No. 429,698; June 18. Class 46.

General Paint Corporation of Canada, Limited, Vancouver, British Columbia, Canada. Paints, enamels, varnishes, etc. Serial No. 431,045; June 18. Class 16.

Golding Bros. Company, Inc., New York, N. Y. Mattresses. Serial Nos. 431,683–4; June 18. Class 32.

Gold Medal Haarlem Oil Company, Jersey City, N. J. Medicinal preparation. Serial No. 430,023; June 18. Class 6.

Golf and Lawn Supply Corporation, Scarsdale, N. Y. Periodical publication. Serial No. 430,316; June 18. Class 38.
Granik, Theodore, Washington, D. C. Newspaper section or column. Serial No. 430,846; June 18. Class 38.
Granite Fabrics, Inc., New York, N. Y. Rayon and acetate knitted piece goods. Serial No. 430,505; June 18. Class 42.
Hammermill Paper Company, Erie, Pa. Bond paper. Serial No. 430,553; June 18. Class 37.
Handschuh, Anna, Upper Darby, Pa. Plasters. Serial No. 414,223; June 18. Class 6.
Hanover House, New York, N. Y. Smoking tobacco. Serial No. 430,133; June 18. Class 17.
Haskell, Charles C., & Co., Inc., Richmond, Va. Medicinal preparation. Serial No. 430,229; June 18. Class 6.
Heron, J. M., & Co. Limited, Bradford, England. Linings in the piece and water repellent piece goods. Serial No. 429,052; June 18. Class 42.
Holt, Harry W., Dallas, Tex. Dark slip overs for eye glasses. Serial No. 429,443; June 18. Class 26.
Huffman Full Fashioned Mills, Inc., Morganton, N. C. Hosiery. Serial No. 429,306; June 18. Class 39.
Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls. Serial No. 431,686; June 18. Class 22.
Johnson, Bruce, doing business as Bruce-Aiders Co., Providence, R. I. Mouth wash, aspirin, boric acid, etc. Serial No. 429,406; June 18. Class 6.
Johnson Motors. (See Outboard, Marine & Manufacturing Company.)
Knomark Mfg. Co., Inc., Brooklyn, N. Y. Shoe cleaners and shoe soap. Serial No. 430,511; June 18. Class 4.
Kudymern Sales Organization. (See Cuzalina, T. J.)
Kuehn, Otto L., Co., Milwaukee, Wis. Rice. Serial No. 430,512; June 18. Class 46.
L. S. V. Company. (See Lewis, Whitaker.)
Lamont, Corliss & Company, New York, N. Y. Cookies. Serial No. 431,008; June 18. Class 46.
Landis Machine Company, Waynesboro, Pa. Machine tools. Serial No. 424,479; June 18. Class 23.
La Salle Hat Company, The, Philadelphia, Pa. Men's and boys' hats and caps and ladies' hats. Serial No. 430,513; June 18. Class 39.
La Salle Hat Company, The, Philadelphia, Pa. Men's and boys' hats and caps. Serial No. 430,600; June 18. Class 39.
Laschinger, Julius, Inc., Brooklyn, N. Y. Cheese. Serial No. 410,547; June 18. Class 46.
Lash, Bert J., Spokane, Wash. Sensitized photographic film. Serial No. 428,438; June 18. Class 26.
Laszlo Institute Inc., The, New York, N. Y. Face powder, toilet creams, toilet powder, etc. Serial No. 428,079; June 18. Class 6.
Lau, Teodoro E. E., New York, N. Y. Hosiery and gloves. Serial No. 429,447; June 18. Class 39.
Layne, Alice M., doing business as Myra's Products Company, Detroit, Mich. Press-preserver for the hair. Serial No. 431,210; June 18. Class 6.
Lehn & Fink Products Corporation, Bloomfield, N. J. Preparations recommended for germicidal, bactericidal, bacteriostatic, etc. Serial No. 431,812; June 18. Class 6.
Leighton Hats Inc., New York, N. Y. Ladies' hats. Serial No. 430,657; June 18. Class 39.
Les Parfums de Dana, Inc., New York, N. Y. Perfumes. Serial No. 431,653; June 18. Class 6.
Leterstone Sales Company, Chicago, Ill. Ball, cylindrical roller, and tapered roller bearings. Serial No. 429,709; June 18. Class 23.
Levin, Harris, Smith, Inc., New York, N. Y. Shirts. Serial No. 430,918; June 18. Class 39.
Lewis, Whitaker, doing business as L. S. V. Company, New Orleans, La. Preparation for cancers. Serial No. 418,977; June 18. Class 6.
Lilly, Eli, and Company, Indianapolis, Ind. Surgical powder for topical application to infected tissue and areas. Serial No. 431,014; June 18. Class 6.
London House, Ltd., New York, N. Y. Hair brushes, tooth brushes, nail brushes, etc. Serial No. 414,570; June 18. Class 29.
Lorica Laboratories, Inc., Jersey City, N. J. Prophylactic rubber articles. Serial No. 424,964; June 18. Class 44.
M. & S. Woodworks, Iron Mountain, Mich. Skis. Serial No. 430,161; June 18. Class 22.
Marshall-Wells Company, doing business as Zenith Rubber Co., Duluth, Minn. Automobile tires and tubes. Serial No. 431,170; June 18. Class 35.
Match the Meter Co., Buffalo, N. Y. Printed cards in the nature of prize coupons. Serial No. 430,615; June 18. Class 38.
Maziarz, John R., doing business as Russet Potato Chip Co., Fairview, Mass. Potato chips. Serial No. 430,139; June 18. Class 48.
Medical Products Institute, Inc., Cincinnati, Ohio. Filter pads. Serial No. 431,171; June 18. Class 44.
Medico Supply Co., The, San Francisco, Calif. Instrument for administering oxygen. Serial No. 425,580; June 18. Class 44.
Metakloth Company, Lodi, N. J. Waterproof knitted, netted, and woven textile fabrics. Serial No. 427,761; June 18. Class 50.
Milam Manufacturing Company, Tupelo, Miss. "Bobby" suits, boys' wash suits, children's aprons, etc. Serial No. 430,284; June 18. Class 39.
Mitsubishi Shoji Kaisha Ltd., Tokio, Japan, and New York, N. Y. Vegetable waxes. Serial No. 429,990; June 18. Class 16.
Mitsubishi Shoji Kaisha Ltd., Tokio, Japan, and New York, N. Y. Waxes derived from vegetables and used for textiles. Serial No. 429,991; June 18. Class 6.
Mitsubishi Shoji Kaisha Ltd., Tokio, Japan, and New York, N. Y. Vegetable waxes. Serial No. 429,992; June 18. Class 4.
Morning Milk Company, Salt Lake City, Utah. Canned evaporated skim milk. Serial No. 428,343; June 18. Class 46.
Murphy Ranch Co., East Whittier, Calif. Fresh citrus fruit. Serial No. 431,070; June 18. Class 46.
Myers, Ralph E., doing business as Ralph E. Myers Co., Salinas, Calif. Fresh vegetables—namely, fresh lettuce. Serial No. 430,835; June 18. Class 46.
Myra's Products Company. (See Layne, Alice M.)
My Slave Perfume Company. (See Nefsky, Joseph.)
National Oil Products Company, Harrison, N. J. Emulsifier for making water in oil emulsions for use in drug, cosmetic and industrial preparations. Serial No. 430,285; June 18. Class 6.
National Tire Stores Inc., Denver, Colo. Pneumatic tires. Serial No. 430,695; June 18. Class 35.
Nefsky, Joseph, doing business as My Slave Perfume Company, Chicago, Ill. Perfume. Serial No. 431,561; June 18. Class 6.
Newark Plaster Company, Delawanna, Clifton, N. J. Gypsum wallboard, fiber jointing tape for wallboard, etc. Serial No. 429,620; June 18. Class 12.
New England Tape Co., Inc., Hudson, Mass. Tapes formed of filler and resin and tapes formed of a resin. Serial No. 427,388; June 18. Class 50.
No-La Prepared Food Company. (See Pisciuneri, Salvatore J.)
Nu-Look Company, The, New Orleans, La. Complexion cream. Serial No. 431,615; June 18. Class 6.
Old Monastery Co., The, Seattle, Wash. Blended Scotch type whiskey. Serial No. 427,748; June 18. Class 49.
Outboard, Marine & Manufacturing Company, doing business as Johnson Motors, Waukegan, Ill. Publication. Serial No. 429,105; June 18. Class 38.
Packard Dresses Inc., New York, N. Y. Dresses and dress ensembles. Serial No. 429,130; June 18. Class 39.
Paramount Manufacturing Co. (See Schwab, Joseph B.)
Parents' Institute, Inc., The, New York, N. Y. Section in a monthly magazine. Serial No. 428,085; June 18. Class 38.
Park & Tilford, New York, N. Y. Tinting powder for fabric. Serial No. 430,191; June 18. Class 6.
Park & Tilford, New York, N. Y. Color remover for dyed materials. Serial No. 430,192; June 18. Class 6.
Park & Tilford, New York, N. Y. Tinting powder for fabric. Serial No. 430,193; June 18. Class 6.
Pennsylvania Distilling Co., Inc., Philadelphia and Logansport, Pa. Whiskey. Serial No. 431,535; June 18. Class 49.
Perfect Foods, Inc., Lansdale, Pa. Cookies. Serial No. 428,823; June 18. Class 46.
Perfex Co., The, Tacoma, Wash. Specially prepared compound. Serial No. 430,332; June 18. Class 6.
Phoenix Color & Chemical Co., Inc., Paterson, N. J. Dyestuffs. Serial No. 430,875; June 18. Class 6.
Phosphate Mining Company, The, New York, N. Y. Phosphate compound. Serial No. 429,623; June 18. Class 6.
Pianograms Incorporated, New York, N. Y. Printed instructions in piano playing. Serial No. 430,925; June 18. Class 38.
Pioneer Saving Stamps, Inc., Oklahoma City, Okla. Saving stamps. Serial No. 428,502; June 18. Class 38.
Pisciuneri, Salvatore J., doing business as No-La Prepared Food Company, Springfield, Mass. Italian grated cheese, spaghetti sauces, spaghetti, etc. Serial No. 430,147; June 18. Class 48.
Pynosol Laboratories, Inc., Chicago, Ill. Vaginal suppository. Serial No. 427,650; June 18. Class 6.
Quiltex Co., The. (See Seelenfreund, Sam.)
Rainbow Shops, Inc., Brooklyn, N. Y. Ladies' woolen undergarments. Serial No. 430,520; June 18. Class 39.
Richey, Robert C., Springfield, Ohio. Tobacco pouches and humidors. Serial No. 424,409; June 18. Class 8.
Riverdale Manufacturing Co., Inc., New York, N. Y. Display devices. Serial No. 427,911; June 18. Class 50.
Rockwell-Barnes Company, Chicago, Ill. Writing papers. Serial No. 430,970; June 18. Class 37.
Roosovics, George, Nyack, N. Y. Chemical preparation. Serial No. 417,416; June 18. Class 6.
Rotary Seal Company, Chicago, Ill. Shaft seals. Serial No. 424,824; June 18. Class 23.
Rubberoid Co., Boundbrook, N. J., and New York, N. Y. Asbestos cement siding. Serial No. 430,878; June 18. Class 12.
Rubenstein, Helena, Inc., New York, N. Y. Face powder and make-up lotion. Serial No. 430,664; June 18. Class 6.
Rubenstein, Jacob A., New York, N. Y., assignor to Security Mills, Inc., Newtown, Mass. Knitted pile fabrics in the piece. Serial No. 428,589; June 18. Class 42.
Rubin Garment Manufacturing Co., St. Louis, Mo. Ladies' cloth coats, plain and fur trimmed. Serial No. 430,248; June 18. Class 39.

Russet Potato Chip Co. (See Maziarz, John R.)
Sanco Piece Dye Works, Inc., Garnerville and New York, N. Y. Dyed and finished rayon, acetate, silk, and cotton fabrics, and combinations thereof. Serial No. 430,843; June 18. Class 42.
Sargent & Company, New Haven, Conn. Door latches and locks. Serial No. 426,630; June 18. Class 25.
Schulman, Louis, Co. Inc., New York, N. Y. Wrapping paper and box covering paper. Serial No. 431,189; June 18. Class 37.
Schwab, Joseph B., doing business as Paramount Manufacturing Co., Stockton, Calif. Machines and apparatus for either separately washing, presizing, grading, or sacking vegetables and fruits, etc. Serial No. 427,519; June 18. Class 23.
Security Mills, Inc. (See Rubenstein, Jacob A.)
Seelenfreund, Sam, doing business as The Quiltex Co., New York, N. Y. Bed covering. Serial No. 430,564; June 18. Class 42.
Shippers Fuel Corporation, Chicago, Ill. Coal. Serial No. 426,992; June 18. Class 1.
Silbert, M., & Son, Inc., Los Angeles, Calif. Coats and suits. Serial No. 430,250; June 18. Class 39.
Simmons, George W., doing business as Creative Cosmetic Company of Chicago, Chicago, Ill. Cuticle lotion. Serial No. 422,159; June 18. Class 6.
Slater Products Company, Pittsburgh, Pa. Cleanser for general household, industrial, office, etc. use. Serial No. 430,464; June 18. Class 4.
Southern Varnish Corporation, Roanoke, Va. Synthetic finish for wood furniture. Serial No. 430,043; June 18. Class 16.
Standard Oil Development Company, Linden, N. J. Lubricating oils. Serial No. 430,700; June 18. Class 15.
Standard Telephones and Cables, Limited, London, England. Stabilized purified monomeric styrene, and purified polymeric styrene dissolved in benzene. Serial No. 403,338; June 18. Class 1.
Stecher-Traung Lithograph Corporation, Rochester, N. Y. Advertising material. Serial No. 430,197; June 18. Class 38.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps for men, women, and children. Serial No. 430,749; June 18. Class 39.
Strazzulla Brothers, Inc., Boston, Mass. Fresh vegetables. Serial No. 429,795; June 18. Class 46.
Tempil Corporation, Inc., The, New York, N. Y. Temperature indicating pellets. Serial No. 426,579; June 18. Class 6.
Terry, Hazel, Valparaiso, Ind. Recipe cabinet. Serial No. 430,253; June 18. Class 32.
Thompson, J. L., doing business as J. L. Thompson Company, Salinas, Calif. Fresh vegetables. Serial No. 430,844; June 18. Class 46.
Tindall, Carl A., doing business as Carl A. Tindall Company, Indianapolis, Ind. Chemical preparation to be sprayed on coal. Serial No. 429,378; June 18. Class 6.
Tissue, Ray F., doing business as Coast Centerless Grinding Co., Los Angeles, Calif. Machine knives, base metal knife blades, chisels, etc. Serial No. 420,980; June 18. Class 23.
Tolchin, John, doing business as The John Tolchin Co., New York, N. Y. Apparatus for conditioning the body. Serial No. 431,179; June 18. Class 22.
Traux-Traer Coal Company, Chicago, Ill. Coal. Serial No. 429,962; June 18. Class 1.
Turner, Day & Woolworth Handle Company, Louisville, Ky. Wooden handles for axes, etc. Serial No. 426,718; June 18. Class 23.
Underwood Elliott Fisher Company, New York, N. Y. Typewriter ribbon and carbon paper. Serial No. 417,938; June 18. Class 11.
United Buyers Corporation, Chicago, Ill. Toilet tissue, paper napkins, paper towels, etc. Serial No. 431,180; June 18. Class 37.
United Buyers Corporation, doing business as Foodcraft Products, Chicago, Ill. Drain pipe cleaner, lye, bluing, etc. Serial No. 430,636; June 18. Class 6.
United States Plywood Corporation, New York, N. Y. Plywood panels and laminated assemblies of veneers. Serial No. 429,498; June 18. Class 12.
Universal Atlas Cement Company, New York, N. Y. Portland cement. Serial Nos. 427,730–1; June 18. Class 12.
Universal Motor Oils Company, The, Wichita, Kans. Liquid fuels, particularly fuel oils, liquid motor fuels, and gasoline. Serial No. 429,724; June 18. Class 15.
Upjohn Company, The, Kalamazoo, Mich. Medicinal substance to be used as a urinary antiseptic. Serial No. 430,159; June 18. Class 6.
Vanden, Boom's, Furniture Company, Kansas City, Mo. Kits comprising parts for constructing toy railroad, cars, locomotives, etc. Serial No. 430,814; June 18. Class 22.
Veeco Chemical Products Co., The. (See American Products Company, The.)
Warner, William R., & Co., Inc., New York, N. Y. Liver extract, vitamin B complex, iron and manganese in a highly palatable and assimilable syrup. Serial Nos. 430,367–9; June 18. Class 6.
Warner, William R., & Co., Inc., New York, N. Y. Polyvitamin product. Serial No. 430,637; June 18. Class 6.
Woburn Incorporated, Brooksville, Fla., and Harrison, N. J. Germicides and disinfectants. Serial No. 429,237; June 18. Class 6.
Women's Wear Company, New York, N. Y. Newspaper section. Serial No. 430,570; June 18. Class 38.
Women's Wear Company, New York, N. Y. News column. Serial No. 430,571; June 18. Class 38.
Zenith Rubber Co. (See Marshall-Wells Company.)

LIST OF REGISTRANTS OF TRADE-MARKS

A-1 Drug Manufacturing Company. (See Kaplan, Barnet D.)
Air Devices, Inc., New York, N. Y. Circular, square, rectangular air diffusers, dampers, heating or ventilating grilles, etc. 378,803; June 18; Serial No. 428,098; published Apr. 9, 1940. Class 34.
Alkalithia Company, The. (See Keasbey & Mattison Company, assignor.)
Allied Carbon and Ribbon Mfg. Corp., New York, N. Y. Inks, carbon paper, stamp pads, etc. 378,780; June 18; Serial No. 427,690; published Apr. 2, 1940. Class 11.
Allied Carbon and Ribbon Mfg. Corp., New York, N. Y. Inks, carbon paper, stamp pads, etc. 378,790–1; June 18; Serial Nos. 427,867–8; published Apr. 2, 1940. Class 11.
American Beauty Cover Company. (See Exline and Exline Co., The, assignor.)
American Cabinet Hardware Corp., Rockford, Ill. Door catches. 378,859; June 18. Class 25.
American Cone & Pretzel Company, Philadelphia, Pa. Pretzels. 378,794; June 18; Serial No. 427,923; published Apr. 9, 1940. Class 46.
American Gas Association, Inc., New York, N. Y. Semi-rigid gas appliance tubing fittings. 378,745; June 18; Serial No. 426,754; published Apr. 9, 1940. Class 13.
American Instrument Company, Silver Spring, Md. Magnetic measuring gages. 378,718; June 18; Serial No. 421,919; published Apr. 9, 1940. Class 26.
American Products Company, The, doing business as The Visco Chemical Products Co. and Veeco Chemical Products Co., Cincinnati, Ohio. Adhesives. 378,728; June 18; Serial No. 424,985; published Apr. 9, 1940. Class 5.
American Trona Corporation, assignor to American Potash & Chemical Corporation, New York, N. Y. Borax. 135,896; renewed Oct. 26, 1940.
Annetta Dresses Inc., New York, N. Y. Piece goods. 378,733; June 18; Serial No. 425,506; published Apr. 9, 1940. Class 42.
Anton Sales Company, Philadelphia, Pa. Insecticides. 378,847; June 18. Class 6.
Armstrong Cork Products Company, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa. Floor coverings. 378,842; June 18. Class 20.
Askinas, I., & Son, New York, N. Y. Complete suits, topcoats, overcoats, etc. 378,781; June 18; Serial No. 427,695; published Apr. 2, 1940. Class 39.
Atlantis Importers & Distributors, Inc., New York, N. Y. Beer and ale. 378,804; June 18; Serial No. 428,100; published Apr. 9, 1940. Class 48.
Atlas & Bluhn, Inc., New York, N. Y. Cotton piece goods. 378,839; June 18; Serial No. 429,244; published Apr. 16, 1940. Class 42.
Atlas Powder Company, Wilmington, Del. Primers for explosives. 378,817; June 18; Serial No. 428,416; published Apr. 9, 1940. Class 9.
Avondale Mills, Birminghsm, Ala. Piece goods. 378,814; June 18; Serial No. 428,376; published Apr. 9, 1940. Class 42.
B. V. D. Corporation, The, New York, N. Y. Bathing suits and trunks. 378,748; June 18; Serial No. 426,797; published Apr. 9, 1940. Class 39.
Bag O' Wash Sales Company of America, Inc., The, Hartford, Conn. Laundry service bags. 378,727; June 18; Serial No. 424,949; published Mar. 19, 1940. Class 2.
Baker, Walter, & Company, Inc., New York, N. Y. Cocoa and chocolate. 378,713; June 18; Serial No. 416,398; published Apr. 9, 1940. Class 46.
Baldwin Liquors Corporation, New York, N. Y. Whiskeys, brandies, gins, etc. 378,870–2; June 18. Class 49.
Ball, F. M., & Company, Oakland, Calif. Canned fruits and canned fruit compote. 378,809; June 18; Serial No. 428,221; published Apr. 9, 1940. Class 46.
Barger & Golightly, Paducah, Ky. Fresh berries. 378,757; June 18; Serial No. 427,187; published Apr. 9, 1940. Class 46.
Barmon Brothers Company, Inc., Buffalo, N. Y. Dresses. 378,818; June 18; Serial No. 428,419; published Apr. 9, 1940. Class 39.
Barney, Edwin R., East Cambridge, Mass. Paper and pasteboard boxes and dishes for holding foods and for holders for paper cups. 378,706; June 18; Serial No. 408,001; published July 11, 1939. Class 2.

Beacon Manufacturing Company, Swannanoa, N. C. Piece goods and blankets. 378,838; June 18; Serial No. 429,033; published Apr. 9, 1940. Class 42.

Beatrice Creamery Company, Chicago, Ill. Cheese food. 378,717; June 18; Serial No. 420,445; published Apr. 9, 1940. Class 46.

Beaumont, W. H., and Company, Incorporated, Kansas City, Mo. Chair pads. 378,853; June 18. Class 32.

Beich, Paul F., Company, Bloomington, Ill. Candy. 135,393; renewed Oct. 12, 1940.

Belli, D. B., Inc., San Francisco, Calif. Pharmaceutical preparations. 378,865; June 18. Class 6.

Benson and Hedges, New York, N. Y. Cigarettes. 378,776; June 18; Serial No. 427,526; published Apr. 9, 1940. Class 17.

Boker, H., & Co., Inc., New York, N. Y. Steel balls for ball-bearings. 130,632; renewed May 4, 1940.

Borden Company, The, New York, N. Y. Glues. 378,736; June 18; Serial No. 425,978; published Mar. 19, 1940. Class 5.

Boston Wire Stitcher Company, East Greenwich, R. I., to Boston Wire Stitcher Company, Portland, Maine. Wire stitching or stapling machines and parts thereof. 135,920; renewed Oct. 26, 1940.

Brenner's, Inc., Belleville, Ill. Liquid surface cleaner. 378,813; June 18; Serial No. 428,350; published Apr. 2, 1940. Class 4.

Bubbl-Fom Distributors, Los Angeles, Calif. Perfumed essence used in the bath. 378,866; June 18. Class 6.

Buckeye Brewing Co., The, Toledo, Ohio. Beer. 378,811; June 18; Serial No. 428,301; published Apr. 9, 1940. Class 48.

Butler Products Corporation, New York, N. Y. Closure devices for containers. 378,719; June 18; Serial No. 422,353; published Apr. 9, 1940. Class 50.

Carnogy, Gall, Incorporated, Philadelphia, Pa. Women's dresses, misses' dresses, and dresses for children, etc. 378,755; June 18; Serial No. 427,157; published Apr. 2, 1940. Class 39.

Carr Fastener Company, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap-fastener. 131,895; renewed May 25, 1940.

Carter Products, Inc., New York, N. Y. Depilatory. 378,844; June 18. Class 6.

Celanese Corporation of America, New York, N. Y. Piece goods. 378,822; June 18; Serial No. 428,510; published Apr. 9, 1940. **Class 42.**

Cercla, Inc., Chicago, Ill. Binding devices. 378,792; June 18; Serial No. 427,880; published Apr. 9, 1940. Class 37.

Chapman & Smith Company, Chicago, Ill. Baking-powder. 133,374; renewed July 27, 1940.

Chapman & Smith Company, Chicago, Ill. Foods. 133,030; renewed Aug. 10, 1940.

Cheplin Biological Laboratories, Inc., Syracuse, N. Y. Aminophyllin, buffer solution, pituitary extract, etc. 378,869; June 18. Class 6.

Chipman Knitting Mills, Easton, Pa. Hosiery. 135,633–5; renewed Oct. 19, 1940.

Chipman Knitting Mills, Easton, Pa. Hosiery. 135,945; renewed Oct. 26, 1940.

Chromium Mining & Smelting Corporation, Limited, Hamilton and Sault Ste. Marie, Ontario, Canada. Exothermic metallurgical chrome alloying materials. 378,725; June 18; Serial No. 424,762; published Apr. 9, 1940. **Class 1.**

Cleveland Dental Manufacturing Company, The, Cleveland, Ohio. Dental pliers, forceps, and rongeurs. 134,614; renewed Sept. 14, 1940.

Clifton Manufacturing Company, Waco, Tex. Tarpaulins and tents. 378,759; June 18; Serial No. 427,333; published Apr. 9, 1940. Class 50.

Colgate & Co., Jersey City, N. J., and New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Shaving-soap. 135,417; renewed Oct. 12, 1940.

Colgate-Palmolive-Peet Company. (See Hayter, A. P., assignor.)

Colonial Knife Company, Inc., Providence, R. I. Pocket knives. 378,715; June 18; Serial Nos. 418,293–4; published Apr. 9, 1940. Class 23.

Combustion Service Company. (See Goldstein, Joseph.)

Conkey, G. E., Co., The, Cleveland, Ohio. Starting feed for chicks, a poultry feed of meat, grain, and bone-mash. 130,682–3; renewed May 4, 1940.

Consolidated Biscuit Company, Incorporated, doing business as Cracker Bakers, Inc., Chicago and Mount Vernon, Ill., and Louisville, Ky. Soda crackers or biscuits. 378,857; June 18. Class 46.

Container Company, The, Van Wert, Ohio. Fiber shipping drums. 378,735; June 18; Serial No. 425,914; published Mar. 19, 1940. Class 2.

Continental Baking Company. (See Seattle Baking Company, assignor.)

Cracker Bakers, Inc. (See Consolidated Biscuit Company.)

Crystal, David, Inc., New York, N. Y. Dresses and dress ensembles. 378,764; June 18; Serial No. 427,365; published Apr. 9, 1940. Class 39.

Danvillie Corp., New York, N. Y. Cream oil bleach for hair, facial pack, etc. 378,849; June 18. Class 6.

D'Arrigo Bros. Company, San Jose, Calif. Fresh vegetables. 378,786; June 18; Serial No. 427,792; published Apr. 9, 1940. Class 46.

Davis, M. M., & Son, Incorporated, Solomons, Md. Boats; sails; gaffs. 378,840; June 18; Serial No. 400,723; published Apr. 9, 1940. Class 19.

Distributors Trucking Corporation, New York, N. Y. Wheat flour. 378,761–3; June 18; Serial Nos. 427,354–6; published Apr. 9, 1940. Class 46.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Rubber erasers. 134,928–9; renewed Sept. 21, 1940.

Dolge, C. B., Company, The, Westport, Conn. Soap. 378,824; June 18; Serial No. 428,544; published Apr. 9, 1940. Class 4.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Lacquers. 132,367; renewed June 22, 1940.

Earle Wholesale Grocery Co., Earle, Ark. Brooms and mops. 378,746; June 18; Serial No. 426,765; published Apr. 9, 1940. Class 29.

Edelmuth, S. Heinz, Elmhurst, N. Y. Prophylactic rubber articles, nursing nipples, infants' pacifiers, etc. 378,760; June 18; Serial No. 427,341; published Apr. 9, 1940. Class 44.

Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. 378,874; June 18. Class 1.

Exline and Exline Co., The, assignor to American Beauty Cover Company, Dallas, Tex. Check-book covers and blank passbooks. 129,697; renewed Mar. 9, 1940.

Factor, Max, & Co., Los Angeles, Calif. Cosmestics, perfumes, theatrical make-up, etc. 378,863; June 18. Class 6.

Factor, Max, & Co., Los Angeles, Calif. Cosmetics, theatrical make-up, and similar preparations. 378,867; June 18. Class 6.

Fairmont Creamery Company, The, assignor to The Fairmont Creamery Co., Omaha, Nebr. Eggs. 131,305; renewed May 11, 1940.

Faunce, Benjamin R., Riverside, N. J. Tooth paste. 378,864; June 18. Class 6.

Formfit Company, The, Chicago, Ill. Sanitary shields. 378,854; June 18. Class 44.

Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 130,723; renewed May 4, 1940.

Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 131,463; renewed May 18, 1940.

Freydberg Bros., Inc., Stamford, Conn. Ribbon for tying packages. 378,766; June 18; Serial No. 427,427; published Apr. 9, 1940. Class 42.

Freyberg Bros., Inc., Stamford, Conn. Cord impregnated and coated with a cellulosic material. 378,767; June 18; Serial No. 427,428; published Mar. 12, 1940. Class 7.

Friedman Hosiery Corp., New York, N. Y. Hosiery. 378,753; June 18; Serial No. 427,072; published Apr. 9, 1940. Class 39.

Frisch, F., Inc., New York, N. Y. Household textile fabrics. 378,737; June 18; Serial No. 425,992; published Apr. 9, 1940. Class 42.

Gantner & Mattern Company, San Francisco, Calif. Swimming suits, sun suits, swimming trunks, etc. 378,720; June 18; Serial No. 422,668; published Apr. 2, 1940. Class 39.

Gardner Machine Company, South Beloit, Ill. Abrasive wheels or disks. 378,705; June 18; Serial No. 404,302; published Apr. 2, 1940. Class 4.

Gel-Sten Supply Inc., Monterey Park, Calif., and Brookfield, Ill. Envelopes. 378,726; June 18; Serial No. 424,770; published Apr. 9, 1940. Class 37.

General Tire & Rubber Company, The, Akron, Ohio. Tire cord. 378,704; June 18; Serial No. 401,214; published Apr. 9, 1940. Class 7.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. 378,820; June 18; Serial No. 428,477; published Apr. 9, 1940. Class 23.

Gimbel Brothers, Inc., New York, N. Y. Sheets, pillow cases, and Turkish towels. 378,784; June 18; Serial No. 427,754; published Apr. 9, 1940. Class 42.

Glassite Company, The. (See Thomsen, G. C.)

Goldstein, Joseph, doing business as Combustion Service Company, New York, N. Y. Chemical oil conditioner. 378,860; June 18. Class 6.

Goodall Worsted Co. (See Lesher, Whitman & Co., Inc.)

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Fabrics coated with a synthetic composition. 378,795–6; June 18; Serial Nos. 427,935–6; published Apr. 9, 1940. Class 50.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Fabric coated with a synthetic composition. 378,797; June 18; Serial No. 427,939; published Apr. 9, 1940. Class 50.

Grnef & Schmidt, Inc., New York, N. Y. Knives. 378,855; June 18. Class 23.

Grand, Benzion I., Brooklyn, N. Y. Diaries, blank books, and record books. 378,773; June 18; Serial No. 427,504; published Apr. 9, 1940. Class 37.

Grand Rapids Varnish Corporation, Grand Rapids, Mich. Quick-drying fillers for wood. 378,846; June 18. Class 16.

H. & S. Mfg. Co., New York and Ozone Park, N. Y. Water hammer eliminating valves. 378,868; June 18. Class 13.

Hantover, Phil, Inc., Kansas City, Mo. Sausage and meat loaf binder. 378,742; June 18; Serial No. 426,697; published Apr. 9, 1940. Class 46.

Hardin Bag Co., Inc., The, assignor to The Hardin Bag & Burlap Co., Inc., New Orleans, La. Burlap bags. 136,448; renewed Nov. 2, 1940.

Hayter, A. P., Greenville, Tex., assignor, by mesne assignments, to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 135,688; renewed Oct. 19, 1940.

Hess-Taylor-Kreiss Inc., New York, N. Y. Hosiery. 378,729; June 18; Serial No. 425,201; published Apr. 9, 1940. Class 39.

Hoffert Machine Company, Inc., Racine, Wis. Wire stitching machines. 378,751; June 18; Serial No. 426,979; published Apr. 9, 1940. Class 23.

Holland Rantos Company, Inc., New York, N. Y. Prophylactic rubber articles. 378,710; June 18; Serial No. 413,947; published Apr. 9, 1940. Class 44.

Hones, Charles A., Inc., Brooklyn, N. Y., to Charles A. Hones, Inc., Baldwin, N. Y. Gas soldering-furnaces, soft-metal furnaces, burners and torches. 134,382; renewed Aug. 31, 1940.

Independent Wall Paper Company, doing business as Independent Wall Paper and Paint Stores, Pittsburgh, Pa. Paints, varnishes, paint enamels. 378,712; June 18; Serial No. 415,534; published Apr. 9, 1940. Class 16.

Insulite Company, The, Minneapolis, Minn. Elastic, pliable, and flexible adhesive. 378,782; June 18; Serial No. 427,713; published Apr. 2, 1940. Class 5.

Interchemical Corporation, New York, N. Y. Intaglio ink. 378,707; June 18; Serial No. 408,604; published Apr. 9, 1940. Class 11.

Johnson, Irene L., doing business as Sun Gold Date Gardens, Indio, Calif. Fresh dates and citrus fruits. 378,708; June 18; Serial No. 409,615; published Apr. 9, 1940. Class 46.

Josephson, Ralph, New York, N. Y. Ophthalmic lenses. 378,825; June 18; Serial No. 428,555; published Apr. 9, 1940. Class 26.

Kaplan, Barnet D., doing business as A-1 Drug Manufacturing Company, New York, N. Y. Dental poultices and toothache pads. 378,843; June 18. Class 6.

Kaylon Inc., New York, N. Y. Pajamas. 378,709; June 18; Serial No. 428,035; published Apr. 2, 1940. Class 39.

Keasbey & Mattison Company, Ambler, Pa., assignor, by mesne assignments, to The Alkalithia Company, Baltimore, Md. Medicinal preparation. 131,512; renewed May 18, 1940.

Keasbey & Mattison Company, Ambler, Pa., assignor, by mesne assignments, to The Alkalithia Company, Baltimore, Md. Preparation for the treatment of rheumatism and cystitis. 131,513; renewed May 18, 1940.

Keeley Brewing Co., assignor to Keeley Brewing Company, Chicago, Ill. Malt non-intoxicating beverage. 136,493; renewed Nov. 2, 1940.

Kelly, Henry, & Sons, Inc., New York, N. Y. Brandies and cordials. 378,856; June 18. Class 49.

Kent Metal and Chemical Works, Inc., Edgewater, N. J. Cigarette lighter flints and other flints. 378,858; June 18. Class 34.

Kleinert, I. B., Rubber Company, New York, N. Y. Shower curtains. 378,830; June 18; Serial No. 428,757; published Apr. 9, 1940. Class 13.

Knebel, Mark, New York, N. Y. Blouses and dresses. 378,793; June 18; Serial No. 427,919; published Apr. 9, 1940. Class 39.

Korach Brothers, Chicago, Ill. Dresses. 378,788; June 18; Serial No. 427,844; published Apr. 9, 1940. Class 39.

Kork-Pettit Wire Fabrics & Iron Works, Inc., Philadelphia, Pa. Wire conveyor belts. 378,758; June 18; Serial No. 427,247; published Apr. 9, 1940. Class 23.

Kroll Brothers, New York, N. Y. Ice cream products. 378,716; June 18; Serial No. 418,618; published Apr. 9, 1940. Class 46.

Krower, Leonard, & Son, Inc., New Orleans, La. Watches. 378,730; June 18; Serial No. 425,214; published Apr. 9, 1940. Class 27.

Lacto-Vee Products Co., Dayton and Blanchester, Ohio. Ration concentrates. 378,779; June 18; Serial No. 427,630; published Apr. 9, 1940. Class 46.

Larus & Brother Company, Inc., Richmond, Va. Smoking-tobacco. 136,064; renewed Oct. 26, 1940.

Lee, Laura, Frocks, Inc., St. Louis, Mo. Women's dresses. 378,798; June 18; Serial No. 427,985; published Apr. 2, 1940. Class 39.

Lesher, Whitman & Co., Inc., New York, N. Y., to Goodall Worsted Co., Sanford, Maine, Successor. Suitings and dress goods. 136,070; renewed Oct. 26, 1940.

Levy, Maurice, doing business as Malvy, New York, N. Y. Perfume. 378,845; June 18. Class 6.

Liberty Ink Company, Brooklyn, N. Y. Glue, mucilage, and adhesive pastes. 378,787; June 18; Serial No. 427,811; published Mar. 19, 1940. Class 5.

Liggett & Myers Tobacco Company, New York, N. Y. Cigarettes. 134,714; renewed Sept. 14, 1940.

Liggett & Myers Tobacco Company, New York, N. Y. Cigarettes. 135,273; renewed Sept. 28, 1940.

Lion Products Co., Lynn, Mass. Vehicle windshield wiper blades. 378,861–2; June 18. Class 19.

Lowell Textile Company, Greenfield, Ohio. Hosiery. 378,774; June 18; Serial No. 427,509; published Apr. 2, 1940. Class 39.

Lowenstein, M., & Sons, Inc., New York, N. Y. Cotton piece goods. 378,828; June 18; Serial No. 428,650; published Apr. 2, 1940. Class 42.

Malone Knitting Company, Springfield, Mass. Infants' knitted underwear. 378,815; June 18; Serial No. 428,396; published Apr. 9, 1940. Class 39.

Malvy. (See Levy, Maurice.)

Manhattan Brewing Co., Chicago, Ill. Beer. 378,709; June 18; Serial No. 412,977; published Apr. 9, 1940. Class 48.

Mathias, William E., Sterling, Colo. Lawn fertilizer. 378,741; June 18; Serial No. 426,637; published Apr. 2, 1940. Class 10.

Metalo-Plastics, Inc., Port Washington, N. Y. Bottle caps. 378,850; June 18. Class 50.

Meyrowitz, E. B., Inc., New York, N. Y. Mechanical devices. 133,001; renewed July 6, 1940.

Monkhouse, Carl, San Francisco, Calif. Barbers' shears. 378,821; June 18; Serial No. 428,407; published Apr. 9, 1940. Class 23.

Nashua Manufacturing Company, Boston, Mass. Piece goods. 378,827; June 18; Serial No. 428,584; published Apr. 9, 1940. Class 42.

National Pecan Growers Exchange, Albany, Ga. Pecan-nuts. 131,357; renewed May 11, 1940.

Nemser, Joseph, New York, N. Y. Gowns. 133,007; renewed July 6, 1940.

Neville Company, The, Neville Island, Pa. Solvents. 378,816; June 18; Serial No. 428,402; published Apr. 9, 1940. Class 16.

Newman, Sol, Inc., New York, N. Y. Trousers and slacks. 378,775; June 18; Serial No. 427,515; published Apr. 2, 1940. Class 39.

Olden Minerals, Incorporated, Los Angeles, Calif. Pharmaceutical preparations. 378,841; June 18. Class 6.

Otis Company, Ware and Three Rivers, Mass., to Otis Company, Boston, Mass. Cotton piece goods. 130,855; renewed May 4, 1940.

Parzinger, Meinrad M., Linden Heights, Ohio, to Meinrad Max Parzinger, Columbus, Ohio. Medicinal salve. 131,816; renewed May 25, 1940.

Patterson-Sargent Company, The, Cleveland, Ohio. Paints, driers, enamel paints, etc. 133,296–7; renewed July 20, 1940.

Patterson-Sargent Company, The, Cleveland, Ohio. Paints and painters' materials. 133,483–4; renewed July 27, 1940.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Textile fabrics. 378,826; June 18; Serial No. 428,560; published Apr. 9, 1940. Class 42.

Perfection Company, The. (See Thomsen, G. C., assignor.)

Phillips Lead & Supply Co., Providence, R. I. Heating apparatus and parts thereof and accessories therefor. 378,750; June 18; Serial No. 426,934; published Apr. 9, 1940. Class 34.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 378,808; June 18; Serial No. 428,173; published Apr. 9, 1940. Class 46.

Premium Products Mfg. Co., Chicago, Ill. Radio receiving sets. 378,771; June 18; Serial No. 427,474; published Apr. 9, 1940. Class 21.

Procter & Gamble Company, The, Cincinnati, Ohio. Oleomargarin. 136,160; renewed Oct. 26, 1940.

Queen Ribbon & Carbon Co., Inc., Brooklyn, N. Y. Typewriter ribbons and carbon paper. 378,724; June 18; Serial No. 424,140; published Mar. 12, 1940. Class 11.

Red-Bar Battery Company, doing business as Red-Bar Battery Corp., Dayton, Ohio. Dry cell batteries. 378,731; June 18; Serial No. 425,302; published Apr. 9, 1940. Class 21.

Reichhold Chemicals Inc., Detroit and Ferndale Station, Detroit, Mich. Toners and lakes for use in ink pigments. 378,807; June 18; Serial No. 428,171; published Apr. 2, 1940. Class 11.

Remington Rand Inc., Buffalo, N. Y. Typewriter ribbons and carbon paper. 378,819; June 18; Serial No. 428,442; published Apr. 2, 1940. Class 11.

Rich's, Inc., Atlanta, Ga. Women's hosiery. 378,768; June 18; Serial No. 427,443; published Apr. 9, 1940. Class 39.

Ries, Jacob, Bottling Works, Inc., Shakopee, Minn. Beverages. 136,602; renewed Nov. 2, 1940.

Rinshed-Mason Company, Detroit, Mich. Casein paint. 378,789; June 18; Serial No. 427,854; published Apr. 9, 1940. Class 16.

Rit Products Corporation. (See Sunbeam Chemical Company, assignor.)

Robertson, James & Sons, Preserve Manufacturers, Limited, Paisley, Scotland. Marmalade. 135,311; renewed Sept. 28, 1940.

Roger & Gallet, New York, N. Y. Toilet soaps, soap pastes, soap powders, etc. 378,785; June 18; Serial No. 427,774; published Apr. 9, 1940. Class 4.

Rothkopf, Samuel, & Son, New York, N. Y. Underwear, sport shirts, pajamas etc. 378,740; June 18; Serial No. 426,629; published Apr. 2, 1940. Class 39.

Rotometals, Inc., San Francisco, Calif. Babbitt metal. 378,783; June 18; Serial No. 427,720; published Apr. 9, 1940. Class 14.

San Diego Fruit & Produce Company, San Diego, Calif. Fresh vegetables. 378,805–6; June 18; Serial Nos. 428,133–4; published Apr. 9, 1940. Class 46.

San Jose Canning Company, San Jose, Calif. Canned vegetables. 378,749; June 18; Serial No. 426,869; published Apr. 9, 1940. Class 46.
Sapolin Co. Inc., New York, N. Y. Ready mixed paint, paint enamel, and aluminum paint. 378,831; Jupe 18; Serial No. 428,769; published Apr. 9, 1940. Class 16.
Schiff, Benjamin A., Chicago, Ill. Dictating machines. 378,769; June 18; Serial No. 427,445; published Apr. 9, 1940. Class 36.
Schindler, Charles, assignor to Schindler Stamping & Toy Company, Toledo, Ohio. Rolling toy of cylindrical form. 136,615; renewed Nov. 2, 1940.
Scott, Henry L., Company, Providence, R. I. Charts for use on machines for testing the strength or stretch of material. 378,711; June 18; Serial No. 414,838; published Apr. 9, 1940. Class 26.
Seaboard Container Corporation, Philadelphia, Pa. Cartons and display packages and cut-out blanks for forming same. 378,765; June 18; Serial No. 427,394; published Mar. 19, 1940. Class 2.
Seattle Baking Company, Seattle, Wash., assignor to Continental Baking Company, New York, N. Y. Cake, bread, doughnuts, etc. 136,623; renewed Nov. 2, 1940.
Sherwin-Williams Co., The, Cleveland, Ohio. Paint brushes, varnish brushes, kalsomine brushes, etc. 378,747; June 18; Serial No. 426,788; published Apr. 9, 1940. Class 29.
Sherwin-Williams Co., The, Cleveland, Ohio. Varnishes. 378,829; June 18; Serial No. 428,705; published Apr. 9, 1940. Class 16.
Simplex Electrical Co., Boston, Mass., assignor to Simplex Wire & Cable Company, Cambridge, Mass. Insulated conducting wire. 18,552; re-renewed Oct. 28, 1940.
Slack and Pendery, Fort Worth, Tex. Toothpicks. 837,810; June 18; Serial No. 428,262; published Apr. 9, 1940. Class 44.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Cleaning composition and a cleaning fluid. 378,756; June 18; Serial No. 427,172; published Apr. 2, 1940. Class 4.
Steel Materials Corporation, Detroit, Mich. Base metal cooking hollow ware. 378,848; June 18. Class 13.
Stern & Gutman, Inc. New York, N. Y. Piece goods. 378,832; June 18; Serial No. 428,836; published Apr. 9, 1940. Class 42.
Stitt & Howell, Inc., New York, N. Y. Linoleum and oiled cloth. 378,800; June 18; Serial No. 428,059; published Apr. 2, 1940. Class 20.
Straus, Royer & Strass, Baltimore, Md. Dresses, slacks, outer shorts, etc. 378,738; June 18; Serial No. 426,273; published Apr. 2, 1940. Class 39.
Strong, Larry, Inc., Chicago, Ill. Colorless liquid for splicing or laminating films or the like, together. 378,754; June 18; Serial No. 427,095; published Apr. 2, 1940. Class 5.
Sun Gold Date Gardens. (See Johnson, Irene L.)
Sunbeam Chemical Company, assignor to Rit Products Corporation, Chicago, Ill. Dyes. 132,554; renewed June 22, 1940.
Swift and Company, Chicago, Ill. Glue. 378,778; June 18; Serial No. 427,561; published Mar. 19, 1940. Class 5.
Taggart Corporation, New York, N. Y. Paper bags. 378,739; June 18; Serial No. 426,502; published Mar. 19, 1940. Class 2.
Taylor Wine Company, The, Hammondsport, N. Y. Wines. 378,714; June 18; Serial No. 417,665; published Apr. 9, 1940. Class 47.
Taylor Wine Company, The, Hammondsport, N. Y. Wines. 378,723; June 18; Serial No. 423,777; published Apr. 9, 1940. Class 47.
Thomsen, G. C., doing business as The Glassite Company, assignor to The Perfection Company, Waco, Tex. Non-alcoholic carbonated beverages and syrups. 378,823; June 18; Serial No. 428,525; published Apr. 9, 1940. Class 45.
Tip Top Tailors, Inc., Linden, N. J. Articles of clothing for men and women. 378,721; June 18; Serial No. 422,837; published Apr. 9, 1940. Class 30.
Trade Laboratories, Inc., The, Newark, N. J. Shaving cream. 378,734; June 18; Serial No. 425,820; published Apr. 9, 1940. Class 4.
Union Cooperative De Viticulteurs Charentais, Cognac, France. Cognac. 378,722; June 18; Serial No. 423,016; published Oct. 10, 1939. Class 49.
United-Carr Fastener Corporation. (See Carr Fastener Company, assignor.)
United Cigar-Whelan Stores Corporation, New York, N. Y. Tooth brushes. 378,752; June 18; Serial No. 426,994; published Apr. 9, 1940. Class 29.
U. S. Expansion Bolt Co., York, Pa. Expansion shields. 378,835; June 18; Serial No. 428,938; published Apr. 9, 1940. Class 13.
U. S. Expansion Bolt Co., York, Pa. Turn buckles. 378,836; June 18; Serial No. 428,939; published Apr. 9, 1940. Class 13.
Universal Camera Corporation, New York, N. Y. Telephoto lenses, photographic lenses, and cameras. 378,770; June 18; Serial No. 427,447; published Apr. 9, 1940. Class 26.
Vallen, Incorporated, Akron, Ohio. Electrically operated curtain track equipment and controls. 378,851; June 18. Class 21.
Vandam, Albert H., Co., Inc., New York, N. Y. Cotton piece goods. 378,833; June 18; Serial No. 428,844; published Apr. 9, 1940. Class 42.
Veeco Chemical Products Co. (See American Products Company, The.)
Visco Chemical Products Co., The. (See American Products Company.)
Vita-Var Corporation, Newark, N. J. Paints, varnishes, and paint enamels. 378,732; June 18; Serial No. 425,317; published Apr. 2, 1940. Class 16.
Vogue Lingerie Co., New York, N. Y. Women's slips. 378,772; June 18; Serial No. 427,484; published Apr. 2, 1940. Class 39.
Wald, S. A., & Co., Inc., New York, N. Y. Canned peaches, fruit cocktail, and fruits for salad. 378,812; June 18; Serial No. 428,338; published Apr. 9, 1940. Class 46.
Weisert, John, Tobacco Co., St. Louis, Mo. Cigar cuttings. 378,801; June 18; Serial No. 428,092; published Apr. 9, 1940. Class 17.
Western Grocer Company, Oskaloosa and Marshalltown, to Western Grocer Company, Marshalltown, Iowa. Foods and ingredients of foods. 131,268; renewed May 4, 1940.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioners, coal furnaces and boilers, gas furnaces and boilers, etc. 378,744; June 18; Serial No. 426,748; published Apr. 9, 1940. Class 34.
Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Stokers. 378,834; June 18; Serial No. 428,845; published Apr. 9, 1940. Class 34.
Wilson, Andrew, Inc., Springfield, N. J. Insecticides. 378,873; June 18. Class 6.
Windsor-Lloyd Products, Wilmington, Del. Exhaust mufflers for internal combustion engines. 378,852; June 18. Class 23.
Witty Bros. Inc., New York, N. Y. Men's and boys' outer clothing. 378,743; June 18; Serial No. 426,721; published Apr. 9, 1940. Class 39.
Wolter Bros., Peoria, Ill. Potatoes in their natural state. 136,709; renewed Nov. 2, 1940.
Wool, Edward, New York, N. Y. Denture materials. 378,837; June 18; Serial No. 428,978; published Apr. 9, 1940. Class 44.
Zephyr American Corp., New York, N. Y. Paper dispensing device for desks. 378,802; June 18; Serial No. 428,094; published Apr. 9, 1940. Class 37.

LIST OF REGISTRANTS OF LABELS

Ana-Jay Food Products Corp., New York, N. Y. Ana-Jay Dessert. For Desserts. 54,969; June 18.
Atlantic Brewing Company, Chicago, Ill. Atlantic. For Extra Pale Beer. 54,970; June 18.
Bu-Tay Products Company, Los Angeles, Calif. Rain Drops. For a Bluing-Cleaning-Softening Washing Compound. 54,971; June 18.
Churchill Tobacco Company. (See Spector Brothers, Inc.)
Cicocco, Michael, Baltimore, Md. Dinette Dinner. For Elbow Macaroni and Pure Tomato Paste. 54,972; June 18.
Crowther, Herl L., doing business as Crowther Products, Los Angeles, Calif. "To-day". For a Beauty Powder for the Teeth and Gums. 54,973; June 18.
Dandro-Nox Co., Inc., The, Baltimore, Md. Esap. For Antiseptic Scalp Lotion. 54,974; June 18.
Davol Rubber Company, Providence, R. I. Nursing Bottle Caps. For Nursing Bottle Caps. 54,975; June 18.
Hansen's, Chr., Laboratory, Inc., doing business as "The 'Junket' Folks", Little Falls, N. Y. "Junket" Freezing Mix. For a Preparation for Making Ice Cream and Milk Sherbets. 54,976; June 18.
Hansen's, Chr., Laboratory, Inc., doing business as "The 'Junket' Folks", Little Falls, N. Y. "Junket" Rennet Powder Makes Milk Into Rennet-Custards. For Rennet Powder. 54,977; June 18.
Hazard Lead Works, Inc., Brooklyn, N. Y. Haz-A-Wear Barn and Silo Paint. For Barn and Silo Paint. 54,978; June 18.
"'Junket' Folks, The." (See Hansen's, Chr.)
Kemp, E. F., Inc., Somerville, Mass. Kemp's Step Ahead Pop Corn. For Pop Corn. 54,979; June 18.
Menasha Products Company, Menasha, Wis. Menasha Ice Cream. For Ice Cream. 54,980; June 18.
Menasha Products Company, Menasha, Wis. Menasha Butter. For Butter. 54,981; June 18.
Menasha Products Company, Menasha, Wis. Quality Brand Butter. For Butter. 54,982; June 18.
Menasha Products Company, Menasha, Wis. Medo Land Creamery Butter. For Butter. 54,983; June 18.
Menasha Products Company, Menasha, Wis. Menasha Butter. For Butter. 54,984; June 18.
Menasha Products Company, Menasha, Wis. Mangas Ice Cream. For Ice Cream. 54,985; June 18.

Menasha Products Company, Menasha, Wis. Menasha Ice Cream. For Ice Cream. 54,986; June 18.
Meyer, H. H., Packing Company, The, Cincinnati, Ohio. Open Kettle Rendered Lard Shortening. For Lard Shortening. 54,987; June 18.
Moser, Robert R., doing business as The Supreme Laboratories, Kansas City, Mo. Supreme Formula. For a Mixture for the Temporary Relief of Minor Throat and Minor Bronchial Irritations. 54,988; June 18.
National Grain Yeast Corporation, Belleville, N. J. National Vitamin B1 Yeast. For Yeast. 54,989; June 18.
Pennsylvania Distilling Co., Inc., Philadelphia, Pa. American Club. For Straight Bourbon Whiskey. 54,990; June 18.
Ryan, Richard R., Auburndale, Fla. Stardust Auto Finish (The Lazy Man's Auto Polish). For Auto Polish. 54,991; June 18.
Schulman, Louis, Co. Inc., New York, N. Y. Jim Dandy. For Shirts. 54,992; June 18.
Southern Handkerchief Mfg Co., Greenville, S. C. All American Best by Test. For Handkerchiefs. 54,993; June 18.
Southern Liquor Distributors, Inc., Jacksonville, Fla. La Corona. For California Sherry Wine. 54,994; June 18.
Spector Brothers, Inc., doing business as Churchill Tobacco Company, Chicago, Ill. Churchill. For English Blend Cigarettes. 54,995; June 18.
Standard Brands Incorporated, New York, N. Y. Royal. For Butterscotch Pudding. 54,996; June 18.
Supreme Laboratories. (See Moser, Robert R.)
Wakem & McLaughlin, Incorporated, Chicago, Ill. Way-Mac. For Blended Scotch Whiskey. 54,997; June 18.
Wallerstein Company, Inc., New York, N. Y. R S R Rapid Spot Remover—How to Use R S R for Quick Results. For an Enzymotic Spot Remover. 54,998–9; June 18.
X-Lent Distributing Co., Le Mars, Iowa and San Antonio, Tex. Ex-Lyn. For Furniture Polish. 55,000; June 18.

LIST OF REGISTRANTS OF PRINTS

Andrews, Anatol N., Los Angeles, Calif. Aero Pen. For Fountain Pens. 18,040; June 18.
Black, Howard W., doing business as Howard Black Cherry Co., Lakewood, Ohio. Cherry Queen—Ice Cream. For Ice Cream. 18,041; June 18.
Black, Howard W., doing business as Howard Black Cherry Co., Lakewood, Ohio. Dubonnet. For Ice Cream. 18,042; June 18.
Black, Howard W., doing business as Howard Black Cherry Co., Lakewood, Ohio. Cherry Chocolate. For Ice Cream. 18,043; June 18.
Lampl, Walter, doing business as Lampl, New York, N. Y. It's the Same Today . . . Heart Charms. For Charms. 18,044; June 18.
Marr, Howard, Los Angeles, Calif. More Miles Gasoline. For Gasoline. 18,045; June 18.
Offutt, Winfield R., Louisville, Ky. Healthtone for Internal Hygiene. For a Medicinal Preparation. 18,046; June 18.
Snuggle Products, Inc., Goshen, Ind. The Ideal In-Between-Weather Outfit. For Children's Garments. 18,047; June 18.
Snuggle Products, Inc., Goshen, Ind. The Most Convenient In-Between-Weather Outfit. For Children's Garments. 18,048; June 18.
Snuggle Products, Inc., Goshen, Ind. A New In-Between-Weather Outfit. For Children's Garments. 18,049; June 18.
Snuggle Products, Inc., Goshen, Ind. New Way to Dress Toddlers for Mild Days. For Children's Garments. 18,050; June 18.
Tasty Baking Company, Philadelphia, Pa. Feature. For Cake. 18,051; June 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Alloying materials, Exothermic metallurgical chrome. Chromium mining & Smelting Corporation. 378,725; June 18; Serial No. 424,762; published Apr. 9, 1940.
Leather. B. D. Eisendrath Tanning Co. 378,874; June 18.

CLASS 2

Bags, Burlap. Hardin Bag Co. 136,448; renewed Nov. 2, 1940.
Bags, Laundry service. Bag O' Wash Sales Company of America, Inc. 378,727; June 18; Serial No. 424,949; published Mar. 19, 1940.
Bags, Paper. Taggart Corporation. 378,739; June 18; Serial No. 426,502; published Mar. 19, 1940.
Boxes and dishes for holding foods, and for holders for paper cups, Paper and pasteboard. E. R. Barney. 378,706; June 18; Serial No. 408,001; published July 11, 1939.
Cartons and display packages and cut-out blanks for forming same. Seaboard Container Corporation. 378,765; June 18; Serial No. 427,394; published Mar. 19, 1940.
Shipping drums, Fiber. Container Company. 378,735; June 18; Serial No. 425,914; published Mar. 19, 1940.

CLASS 4

Abrasive wheels or disks. Gardner Machine Company. 378,705; June 18; Serial No. 404,302; published Apr. 2, 1940.
Cleaner, Liquid surface. Brenner's, Inc. 378,813; June 18; Serial No. 428,350; published Apr. 2, 1940.
Cleaning composition and a cleaning fluid. Socony-Vacuum Oil Company. 378,756; June 18; Serial No. 427,172; published Apr. 2, 1940.
Shaving cream. Trade Laboratories, Inc. 378,734; June 18; Serial No. 425,820; published Apr. 9, 1940.
Soap. C. B. Dolge Company. 378,824; June 18; Serial No. 428,544; published Apr. 9, 1940.
Soap. A. P. Hayter. 135,688; renewed Oct. 19, 1940.
Soap,Shaving. Colgate & Co. 135,417; renewed Oct. 12, 1940.
Soaps, soap pastes, soap powders, etc., Toilet. Roger & Gallet. 378,785; June 18; Serial No. 427,774; published Apr. 9, 1940.

CLASS 5

Adhesive, Elastic, pliable, and flexible. Insulite Company. 378,782; June 18; Serial No. 427,713; published Apr. 2, 1940.
Adhesives. American Products Company. 378,728; June 18; Serial No. 424,985; published Apr. 9, 1940.
Glue. Swift and Company. 378,778; June 18; Serial No. 427,561; published Mar. 19, 1940.
Glue, mucilage and adhesive pastes. Liberty Ink Company. 378,787; June 18; Serial No. 427,811; published Mar. 19, 1940.
Glues. Borden Company. 378,736; June 18; Serial No. 425,978; published Mar. 19, 1940.
Liquid for splicing or laminating films or the like, together, Colorless. Larry Strong, Inc. 378,754; June 18; Serial No. 427,095; published Apr. 2, 1940.

CLASS 6

Aminophyllin, buffer solution, pituitary extract, etc. Chaplin Biological Laboratories, Inc. 378,869; June 18.
Bleach for hair, facial pack, etc., Cream oil. Danville Corp. 378,849; June 18.
Borax. American Trona Corporation. 135,896; renewed Oct. 26, 1940.
Chemical oil conditioner. J. Goldstein. 378,860; June 18.
Cosmetics, perfumes, theatrical make-up, etc. Max Factor & Co. 378,863; June 18.
Cosmetics, theatrical make-up, and similar preparations. Max Factor & Co. 378,867; June 18.
Depilatory. Carter Products, Inc. 378,844; June 18.
Dyes. Sunbeam Chemical Company. 132,554; renewed June 22, 1940.
Essence used in the bath, Perfumed. Bubbl-Fom Distributors. 378,866; June 18.
Insecticides. Anton Sales Company. 378,847; June 18.
Insecticides. Andrew Wilson Inc. 378,873; June 18.
Medicinal preparation. Keasbey & Mattison Company. 131,512; renewed May 18, 1940.
Perfume. M. Levy. 378,845; June 18.
Pharmaceutical preparations. D. B. Beill, Inc. 378,865; June 18.
Pharmaceutical preparations. Olden Minerals, Incorporated. 378,841; June 18.
Poultices and toothache pads, Dental. B. D. Kaplan. 378,843; June 18.
Preparation for the treatment of rheumatism and cystitis. Keasbey & Mattison Company. 131,513; renewed May 18, 1940.
Salve, Medicinal. M. M. Parzinger. 131,816; renewed May 25, 1940.
Tooth paste. B. R. Faunce. 378,864; June 18.

CLASS 7

Cord impregnated and coated with a cellulosic material Freydberg Bros., Inc. 378,767; June 18; Serial No. 427,428; published Mar. 12, 1940.

Cord, Tire. General Tire & Rubber Company. 378,704; June 18; Serial No. 401,214; published Apr. 9, 1940.

CLASS 9

Primers for explosives. Atlas Powder Company. 378,817; June 18; Serial No. 428,416; published Apr. 9, 1940.

CLASS 10

Fertilizer, Lawn. W. E. Mathias. 378,741; June 18; Serial No. 426,637; published Apr. 2, 1940.

CLASS 11

Ink, Intaglio. Interchemical Corporation. 378,707; June 18; Serial No. 408,604; published Apr. 9, 1940.
Inks, carbon paper, stamp pads, etc. Allied Carbon and Ribbon Mfg. Corp. 378,780; June 18; Serial No. 427,690; published Apr. 2, 1940.
Inks, carbon paper, stamp pads, etc. Allied Carbon and Ribbon Mfg. Corp. 378,790–91; June 18; Serial Nos. 427,867–8; published Apr. 2, 1940.
Toners and lakes for use in ink pigments. Reichhold Chemicals Inc. 378,807; June 18; Serial No. 428,171; published Apr. 2, 1940.
Typewriter ribbons and carbon paper. Queen Ribbon & Carbon Co. 378,724; June 18; Serial No. 424,140; published Mar. 12, 1940.
Typewriter ribbons and carbon paper. Remington Rand Inc. 378,819; June 18; Serial No. 428,442; published Apr. 2, 1940.

CLASS 13

Buckles, Turn. U. S. Expansion Bolt Co. 378,836; June 18; Serial No. 428,939; published Apr. 9, 1940.
Hollowware, Base metal cooking. Steel Materials Corporation. 378,848; June 18.
Shields, Expansion. U. S. Expansion Bolt Co. 378,835; June 18; Serial No. 428,938; published Apr. 9, 1940.
Shower curtains. I. B. Kleinert Rubber Company. 378,830; June 18; Serial No. 428,757; published Apr. 9, 1940.
Tubing fittings, Semi-rigid gas appliance. American Gas Association, Inc. 378,745; June 18; Serial No. 426,754; published Apr. 9, 1940.
Valves, Water hammer eliminating. H. & S. Mfg. Co. 378,868; June 18.

CLASS 14

Metal, Babbitt. Rotometals, Inc. 378,783; June 18; Serial No. 427,720; published Apr. 9, 1940.

CLASS 16

Fillers for wood, Quick-drying. Grand Rapids Varnish Corporation. 378,846; June 18.
Lacquers. E. I. du Pont de Nemours and Company. 132,367; renewed June 22, 1940.
Paint, Casein. Rinshed-Mason Company. 378,789; June 18; Serial No. 427,854; published Apr. 9, 1940.
Paint, paint enamel, and aluminum paint, Ready mixed. Sapolin Co. Inc. 378,831; June 18; Serial No. 428,709; published Apr. 9, 1940.
Paints and painters' materials. Patterson-Sargent Company. 133,483–4; renewed July 27, 1940.
Paints, driers, enamel paints, etc. Patterson-Sargent Company. 133,296–7; renewed July 20, 1940.
Paints, varnishes, paint enamels. Independent Wall Paper Company. 378,712; June 18; Serial No. 415,534; published Apr. 9, 1940.
Paints, varnishes, and paint enamels. Vita-Var Corporation. 378,732; June 18; Serial No. 425,317; published Apr. 2, 1940.
Solvents. Neville Company. 378,816; June 18; Serial No. 428,402; published Apr. 9, 1940.
Varnishes. Sherwin-Williams Co. 378,829; June 18; Serial No. 428,705; published Apr. 9, 1940.

CLASS 17

Cigar cuttings. John Weisert Tobacco Co. 378,801; June 18; Serial No. 428,092; published Apr. 9, 1940.
Cigarettes. Benson and Hedges. 378,776; June 18; Serial No. 427,526; published Apr. 9, 1940.
Cigarettes. Liggett & Myers Tobacco Company. 134,714; renewed Sept. 14, 1940.
Cigarettes. Liggett & Myers Tobacco Company. 135,273; renewed Sept. 28, 1940.
Tobacco, Smoking. Larus & Brother Company. 136,064; renewed Oct. 26, 1940.

CLASS 19

Boats; sails; gaffs. M. M. Davis & Son, Incorporated. 378,840; June 18; Serial No. 400,723; published Apr. 9, 1940.
Wiper blades, Vehicle windshield. Lion Products Co. 378,861–2; June 18.

CLASS 20

Floor coverings. Armstrong Cork Products Company. 378,842; June 18.
Linoleum and oiled cloth. Stitt & Howell, Inc. 378,800; June 18; Serial No. 428,059; published Apr. 2, 1940.

CLASS 21

Batteries, Dry cell. Red-Bar Battery Company. 378,731; June 18; Serial No. 425,302; published Apr. 9, 1940.
Curtain track equipment and controls, Electrically operated. Vallen, Incorporated. 378,851; June 18.
Radio receiving sets. Premium Products Mfg. Co. 378,771; June 18; Serial No. 427,474; published Apr. 9, 1940.
Wire, Insulated conducting. Simplex Electrical Co. 18,552; re-renewed Oct. 28, 1940.

CLASS 22

Toy of cylindrical form, Rolling. C. Schindler. 136,615; renewed Nov. 2, 1940.

CLASS 23

Balls for ball-bearings, Steel. H. Boker & Co. 130,632; renewed May 4, 1940.
Knives, Pocket. Colonial Knife Company. 378,715; June 18; Serial Nos. 418,293–4; published Apr. 9, 1940.
Mufflers for internal combustion engines, Exhaust. Windsor-Lloyd Products. 378,852; June 18.
Razor blades, Safety. Gillette Safety Razor Company. 378,820; June 18; Serial No. 428,477; published Apr. 9, 1940.
Shears, Barbers'. C. Monkhouse. 378,821; June 18; Serial No. 428,497; published Apr. 9, 1940.
Wire conveyor belts. Korb-Pettit Wire Fabrics & Iron Works, Inc. 378,758; June 18; Serial No. 427,247; published Apr. 9, 1940.
Wire stitching machines. Hoffert Machine Company. 378,751; June 18; Serial No. 426,979; published Apr. 9, 1940.
Wire stitching or stapling machines and parts thereof. Boston Wire Stitcher Company. 135,920; renewed Oct. 26, 1940.

CLASS 25

Catches, Door. American Cabinet Hardware Corp. 378,859; June 18.

CLASS 26

Charts for use on machines for testing the strength or stretch of material. Henry L. Scott Company. 378,711; June 18; Serial No. 414,838; published Apr. 9, 1940.
Gages, Magnetic measuring. American Instrument Company. 378,718; June 18; Serial No. 421,919; published Apr. 9, 1940.
Lenses, Ophthalmic. R. Josephson. 378,825; June 18; Serial No. 428,555; published Apr. 9, 1940.
Lenses, photographic lenses, and cameras, Telephoto. Universal Camera Corporation. 378,770; June 18; Serial No. 427,447; published Apr. 9, 1940.

CLASS 27

Watches. Leonard Krower & Son, Inc. 378,730; June 18; Serial No. 425,214; published Apr. 9, 1940.

CLASS 29

Brooms and mops. Earle Wholesale Grocery Co. 378,746; June 18; Serial No. 426,765; published Apr. 9, 1940.
Brushes, varnish brushes, kalsomine brushes, etc., Paint. Sherwin-Williams Co. 378,747; June 18; Serial No. 426,788; published Apr. 9, 1940.
Tooth brushes. United Cigar-Whelan Stores Corporation. 378,752; June 18; Serial No. 426,994; published Apr. 9, 1940.

CLASS 32

Chair pads. W. H. Beaumont and Company. 378,853; June 18.

CLASS 34

Air conditioners, coal furnaces and boilers, gas furnaces and boilers, etc. Westinghouse Electric & Manufacturing Company. 378,744; June 18; Serial No. 426,748; published Apr. 9, 1940.
Diffusers, dampers, heating or ventilating grilles, etc., Circular, square, rectangular, Air Devices, Inc. 378,803; June 18; Serial No. 428,098; published Apr. 9, 1940.
Flints and other flints, Cigarette lighter. Kent Metal and Chemical Works, Inc. 378,858; June 18.
Furnaces, soft-metal furnaces, burners and torches, Gas soldering. Charles A. Hones, Inc. 134,382; renewed Aug. 31, 1940.
Heating apparatus and parts thereof and accessories therefor. Phillips Lead & Supply Co. 378,750; June 18; Serial No. 426,934; published Apr. 9, 1940.
Stokers. Williams Oil-O-Matic Heating Corporation. 378,834; June 18; Serial No. 428,845; published Apr. 9, 1940.

CLASS 36

Dictating machines. B. A. Schiff. 378,769; June 18; Serial No. 427,445; published Apr. 9, 1940.

CLASS 37

Binding devices. Cercla, Inc. 378,792; June 18; Serial No. 427,880; published Apr. 9, 1940.
Book covers and blank pass-books, Check. Exline and Exline Co. 129,697; renewed Mar. 9, 1940.
Diaries, blank books, and record books. B. I. Grand. 378,773; June 18; Serial No. 427,504; published Apr. 9, 1940.
Envelopes. Gel-Sten Supply Inc. 378,726; June 18; Serial No. 424,770; published Apr. 9, 1940.

Erasers, Rubber. Joseph Dixon Crucible Company. 134,928–9; renewed Sept. 21, 1940.
Paper dispensing device for desks. Zephyr American Corp. 378,802; June 18; Serial No. 428,094; published Apr. 9, 1940.

CLASS 39

Blouses and dresses. M. Knebel. 378,793; June 18; Serial No. 427,919; published Apr. 9, 1940.
Clothing for men and women, Articles of. Tip Top Tailors, Inc. 378,721; June 18; Serial No. 422,837; published Apr. 9, 1940.
Clothing, Men's and boys' outer. Witty Bros. Inc. 378,743; June 18; Serial No. 426,721; published Apr. 9, 1940.
Dresses. Barmon Brothers Company. 378,818; June 18; Serial No. 428,419; published Apr. 9, 1940.
Dresses. Korach Brothers. 378,788; June 18; Serial No. 427,844; published Apr. 9, 1940.
Dresses and dress ensembles. David Crystal, Inc. 378,764; June 18; Serial No. 427,365; published Apr. 9, 1940.
Dresses, Misses' dresses, and dresses for children, etc., Women's. Gail Carnogy Incorporated. 378,755; June 18; Serial No. 427,157; published Apr. 2, 1940.
Dresses, slacks, outer shorts, etc. Straus, Royer & Strass. 378,738; June 18; Serial No. 426,273; published Apr. 2, 1940.
Dresses, Women's. Laura Lee Frocks, Inc. 378,708; June 18; Serial No. 427,985; published Apr. 2, 1940.
Gowns. J. Nemser. 133,007; renewed July 6, 1940.
Hosiery. Chipmen Knitting Mills. 135,633–5; renewed Oct. 19, 1940.
Hosiery. Chipmen Knitting Mills. 135,945; renewed Oct. 26, 1940.
Hosiery. Friedman Hosiery Corp. 378,753; June 18; Serial No. 427,072; published Apr. 9, 1940.
Hosiery. Hess-Taylor-Kreiss Inc. 378,729; June 18; Serial No. 425,201; published Apr. 9, 1940.
Hosiery. Lowell Textile Company. 378,774; June 18; Serial No. 427,509; published Apr. 2, 1940.
Hosiery, Women's. Rich's, Inc. 378,768; June 18; Serial No. 427,443; published Apr. 9, 1940.
Pajamas. Kaylon Inc. 378,799; June 18; Serial No. 428,035; published Apr. 2, 1940.
Slips, Women's. Vogue Lingerie Co. 378,772; June 18; Serial No. 427,484; published Apr. 2, 1940.
Suits and trunks, Bathing. B. V. D. Corporation. 378,748; June 18; Serial No. 426,797; published Apr. 9, 1940.
Suits, sun suits, swimming trunks, etc., Swimming. Gantner & Mattern Company. 378,720; June 18; Serial No. 422,668; published Apr. 2, 1940.
Suits, top-coats, overcoats, etc., Complete. I. Askinas & Son. 378,781; June 18; Serial No. 427,695; published Apr. 2, 1940.
Trousers and slacks. Sol Newman, Inc. 378,775; June 18; Serial No. 427,515; published Apr. 2, 1940.
Underwear, Infants' knitted. Malone Knitting Company. 378,815; June 18; Serial No. 428,396; published Apr. 9, 1940.
Underwear, sport shirts, pajamas, etc. Samuel Rothkopf & Son. 378,740; June 18; Serial No. 426,629; published Apr. 2, 1940.

CLASS 40

Fastener, Snap. Carr Fastener Company. 131,895; renewed May 25, 1940.

CLASS 42

Cotton piece goods. Atlas & Bluhm, Inc. 378,839; June 18; Serial No. 429,244; published Apr. 16, 1940.
Cotton piece goods. M. Lowenstein & Sons, Inc. 378,828; June 18; Serial No. 428,650; published Apr. 2, 1940.
Cotton piece goods. Otis Company. 130,855; renewed May 4, 1940.
Cotton piece goods. Albert H. Vandam Co. 378,833; June 18; Serial No. 428,844; published Apr. 9, 1940.
Piece goods. Annetta Dresses Inc. 378,733; June 18; Serial No. 425,506; published Apr. 9, 1940.
Piece goods. Avondale Mills. 378,814; June 18; Serial No. 428,376; published Apr. 9, 1940.
Piece goods. Celanese Corporation of America. 378,822; June 18; Serial No. 428,519; published Apr. 9, 1940.
Piece goods. Nashua Manufacturing Company. 378,827; June 18; Serial No. 428,584; published Apr. 9, 1940.
Piece goods. Stern & Gutman, Inc. 378,832; June 18; Serial No. 428,836; published Apr. 9, 1940.
Piece goods and blankets. Beacon Manufacturing Company. 378,838; June 18; Serial No. 429,033; published Apr. 9, 1940.
Ribbon for tying packages. Freydberg Bros., Inc. 378,766; June 18; Serial No. 427,427; published Apr. 9, 1940.
Sheets, pillow cases, and Turkish towels. Gimbel Brothers, Inc. 378,784; June 18; Serial No. 427,754; published Apr. 9, 1940.
Suitings and dress goods for clothing for men, women, and children. Lesher, Whitman & Co. 136,070; renewed Oct. 26, 1940.
Textile fabrics. J. C. Penney Company. 378,826; June 18; Serial No. 428,560; published Apr. 9, 1940.
Textile fabrics, Household. F. Frisch, Inc. 378,737; June 18; Serial No. 425,992; published Apr. 9, 1940.
Woolen piece goods. Forstmann & Huffmann Co. 130,723; renewed May 4, 1940.
Woolen piece goods. Forstmann & Huffmann Co. 131,463; renewed May 18, 1940.

CLASS 44

Dental pliers, forceps, and rongeurs. Cleveland Dental Manufacturing Company. 134,614; renewed Sept. 14, 1940.
Denture materials. E. Wool. 378,837; June 18; Serial No. 428,978; published Apr. 9, 1940.
Knives. Graef & Schmidt, Inc. 378,855; June 18.
Mechanical devices. E. B. Meyrowitz, Inc. 133,001; renewed July 6, 1940.
Prophylactic rubber articles. Holland Rantos Company. 378,710; June 18; Serial No. 413,947; published Apr. 9, 1940.
Prophylactic rubber articles, nursing nipples, infants' pacifiers, etc. S. H. Edelmuth. 378,760; June 18; Serial No. 427,341; published Apr. 9, 1940.
Sanitary shields. Formfit Company. 378,854; June 18.
Toothpicks. Slack and Pendery. 378,810; June 18; Serial No. 428,262; published Apr. 9, 1940.

CLASS 45

Beverages. Jacob Ries Bottling Works, Inc. 136,602; renewed Nov. 2, 1940.
Beverages and syrups, Non-alcoholic carbonated. G. C. Thomsen. 378,823; June 18; Serial No. 428,525; published Apr. 9, 1940.

CLASS 46

Baking-powder. Chapman & Smith Company. 133,374; renewed July 27, 1940.
Berries, Fresh. Barger & Golightly. 378,757; June 18; Serial No. 427,187; published Apr. 9, 1940.
Cake, bread, doughnuts, etc. Seattle Baking Company. 136,623; renewed Nov. 2, 1940.
Candy. Paul F. Beich Company. 135,393; renewed Oct. 12, 1940.
Canned fruits and canned fruit compote. F. M. Ball & Company. 378,809; June 18; Serial No. 428,221; published Apr. 9, 1940.
Canned peaches, fruit cocktail, and fruits for salad. S. A. Wald & Co. 378,812; June 18; Serial No. 428,338; published Apr. 9, 1940.
Canned vegetables. San Jose Canning Company. 378,749; June 18; Serial No. 426,860; published Apr. 9, 1940.
Cheese food. Beatrice Creamery Company. 378,717; June 18; Serial No. 420,445; published Apr. 9, 1940.
Cocoa and chocolate. Walter Baker & Company. 378,713; June 18; Serial No. 416,398; published Apr. 9, 1940.
Crackers or biscuits, Soda. Consolidated Biscuit Company. 378,857; June 18.
Dates and citrus fruits, Fresh. I. L. Johnson. 378,708; June 18; Serial No. 409,615; published Apr. 9, 1940.
Eggs. Fairmont Creamery Company. 131,305; renewed May 11, 1940.
Feed for chicks, a poultry feed of meat, grain, and bone-mash, Starting. G. E. Conkey Co. 130,082–3; renewed May 4, 1940.
Flour, Wheat. Distributors Trucking Corporation. 378,761–3; June 18; Serial Nos. 427,354–6; published Apr. 9, 1940.
Flour, Wheat. Pillsbury Flour Mills Company. 378,808; June 18; Serial No. 428,173; published Apr. 9, 1940.
Foods. Chapman & Smith Company. 133,930; renewed Aug. 10, 1940.
Foods and ingredients of foods. Western Grocery Company. 131,268; renewed May 4, 1940.
Ice cream products. Kroll Brothers. 378,716; June 18; Serial No. 418,618; published Apr. 9, 1940.
Marmalade. James Robertson & Sons, Preserve Manufacturers, Limited. 135,311; renewed Sept. 28, 1940.
Nuts, Pecan. National Pecan Growers Exchange. 131,357; renewed May 11, 1940.
Oleomargarin. Procter & Gamble Company. 136,160; renewed Oct. 26, 1940.
Potatoes. Wolter Bros. 136,709; renewed Nov. 2, 1940.
Pretzels. American Cone & Pretzel Company. 378,794; June 18; Serial No. 427,923; published Apr. 9, 1940.
Ration concentrates. Lacto-Vee Products Co. 378,779; June 18; Serial No. 427,630; published Apr. 9, 1940.
Sausage and meat loaf binder. Phil Hantover Inc. 378,742; June 18; Serial No. 426,697; published Apr. 9, 1940.
Vegetables, Fresh. D'Arrigo Bros. Company. 378,786; June 18; Serial No. 427,792; published Apr. 9, 1940.
Vegetables, Fresh. San Diego Fruit & Produce Company. 378,805–6; June 18; Serial Nos. 428,133–4; published Apr. 9, 1940.

CLASS 47

Wines. Taylor Wine Company. 378,714; June 18; Serial No. 417,665; published Apr. 9, 1940.
Wines. Taylor Wine Company. 378,723; June 18; Serial No. 423,777; published Apr. 9, 1940.

CLASS 48

Beer. Buckeye Brewing Co. 378,811; June 18; Serial No. 428,301; published Apr. 9, 1940.
Beer. Manhattan Brewing Co. 378,709; June 18; Serial No. 412,977; published Apr. 9, 1940.

Beer and ale. Atlantis Importers & Distributors, Inc. 378,804; June 18; Serial No. 428,100; published Apr. 9, 1940.
Beverage, Malt non-intoxicating. Keeley Brewing Co. 136,493; renewed Nov. 2, 1940.

CLASS 49

Brandies and cordials. Henry Kelly & Sons, Inc. 378,856; June 18.
Cognac. Union Cooperative De Viticulteurs Charentais. 378,722; June 18; Serial No. 423,016; published Oct. 10, 1939.
Whiskeys, brandies, gins, etc. Baldwin Liquors Corporation. 378,870–2; June 18.

CLASS 50

Caps, Bottle, Metalo-Plastics, Inc. 378,850; June 18.
Closure devices for containers. Butler Products Corporation. 378,719; June 18; Serial No. 422,353; published Apr. 9, 1940.
Fabrics coated with a synthetic composition. B. F. Goodrich Company. 378,795–6; June 18; Serial Nos. 427,935–6; published Apr. 9, 1940.
Fabric coated with a synthetic composition. B. F. Goodrich Company. 378,797; June 18; Serial No. 427,939; published Apr. 9, 1940.
Tarpaulins and tents. Clifton Manufacturing Company. 378,759; June 18; Serial No. 427,333; published Apr. 9, 1940.

LIST OF LABELS

All American Best by Test. For Handkerchiefs. Southern Handkerchief Mfg Co. 54,993; June 18.
American Club. For Straight Bourbon Whiskey. Pennsylvania Distilling Co. 54,990; June 18.
Ana-Jay Dessert. For Desserts. Ana-Jay Food Products Corp. 54,969; June 18.
Atlantic. For Extra Pale Beer. Atlantic Brewing Company. 54,970; June 18.
Churchill. For English Blend Cigarettes. Spector Brothers, Inc. 54,995; June 18.
Dinette Dinner. For Elbow Macaroni and Pure Tomato Paste. M. Cicocco. 54,972; June 18.
Ex-Lyn. For Furniture Polish. X-Lent Distributing Co. 55,000; June 18.
Ezap. For Antiseptic Scalp Lotion. Dandro-Nox Co. 54,974; June 18.
Haz-A-Wear Barn and Silo Paint. For Barn and Silo Paint. Hazard Lead Work, Inc. 54,978. June 18.
Jim Dandy. For Shirts. Louis Schulman Co. Inc. 54,992; June 18.
"Junket" Freezing Mix. For a Preparation for Making Ice Cream and Milk Sherbets. Chr. Hansen's Laboratory, Inc. 54,976. June 18.
"Junket" Rennet Powder Makes Milk Into Rennet-Custards. For Rennet Powder. Chr. Hansen's Laboratory. 54,977; June 18.
Kemp's Step Ahead Pop Corn. For Pop Corn. E. F. Kemp, Inc. 54,979; June 18.
La Corona. For California Sherry Wine. Southern Liquor Distributors, Inc. 54,994; June 18.
Mangas Ice Cream. For Ice Cream. Menasha Products Company. 54,985. June 18.
Medo Land Creamery Butter. For Butter. Menasha Products Company. 54,983. June 18.
Menasha Butter. For Butter. Menasha Products Company. 54,984. June 18.
Menasha Ice Cream. For Ice Cream. Menasha Products Company. 54,980; June 18.
Menasha Ice Cream. For Ice Cream. Menasha Products Company. 54,986; June 18.
Menasha Butter. For Butter. Menasha Products Company. 54,981; June 18.
National Vitamin B1 Yeast. For Yeast. National Grain Yeast Corporation. 54,989; June 18.
Nursing Bottle Caps. For Nursing Bottle Caps. Davol Rubber Company. 54,975; June 18.
Open Kettle Rendered Lard Shortening. For Lard Shortening. H. H. Meyer Packing Company. 54,987; June 18.
Quality Brand Butter. For Butter. Menasha Products Company. 54,982; June 18.
R S R Rapid Spot Remover—How to Use R S R for Quick Results. For an Enzymotic Spot Remover. Wallerstein Company. 54,998–9; June 18.
Rain Drops. For a Bluing-Cleaning-Softening Washing Compound. Bu-Tay Products Company. 54,971; June 18.
Royal. For Butterscotch Pudding. Standard Brands Incorporated. 54,996; June 18.
Stardust Auto Finish (The Lazy Man's Auto Polish). For Auto Polish. R. R. Ryan. 54,991; June 18.
Supreme Formula. For a Mixture for the Temporary Relief of Minor Throat and Minor Bronchial Irritations. R. R. Moser. 54,988; June 18.
"To-day." For a Beauty Powder for the Teeth and Gums. H. L. Crowther. 54,973; June 18.
Way-Mac. For Blended Scotch Whiskey. Wakem & McLaughlin, Incorporated. 54,997; June 18.

LIST OF PRINTS

Aero Pen. For Fountain Pens. A. N. Andrews. 18,040; June 18.
Cherry Chocolate. For Ice Cream. H. W. Black. 18,043; June 18.
A New In-Between-Weather Outfit. For Children's Garments. Snuggle Products, Inc. 18,049; June 18.
New Way to Dress Toddlers for Mild Days. For Children's Garments. Snuggle Products, Inc. 18,050; June 18.
Cherry Queen—Ice Cream. For Ice Cream. H. W. Black. 18,041; June 18.
Dubonnet. For Ice Cream. H. W. Black. 18,042; June 18.
Feature. For Cake. Tasty Baking Company. 18,051; June 18.
Healthtone for Internal Hygiene. For a Medicinal Preparation. W. R. Offutt. 18,046; June 18.
It's the Same Today . . . Heart Charms. For Charms. W. Lampl. 18,044; June 18.
More Miles Gasoline. For Gasoline. H. Marr. 18,045; June 18.
The Ideal In-Between-Weather Outfit. For Children's Garments. Snuggle Products, Inc. 18,047; June 18.
The Most Convenient In-Between-Weather Outfit. For Children's Garments. Snuggle Products, Inc. 18,048; June 18.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ellis-Foster Company. (See Weber, Harry M., assignor.)
Larison, Glenn L., La Grande, Oreg. Shock reducing and cushioning wheel mounting for vehicles. Re. 21,483; June 18.
Lowe, Lawson L., et al. (See Thompson, Richard J.)
Thompson, Richard J., assignor of sixty-two and one-half per cent to C. N. White and thirty-seven and one-half per cent to L. L. Lowe, Bakersfield, Calif. Aircraft. Re. 21,484; June 18.
Weber, Harry M., West Englewood, assignor to Ellis-Foster Company, Montclair, N. J. Composition of matter containing a cellulose derivative. Re. 21,485; June 18.
White, C. N., et al. (See Thompson, Richard J.)

LIST OF PLANT PATENTEES

Abrams, Fremont B., Ossining, N. Y. Rose plant. 403; June 18.
Briggs, Elizabeth A., assignor to C. E. Ogg, Encinitas, Calif. Gladiolus. 404; June 18.
Ogg, Chas. E. (See Briggs, Elizabeth A., assignor.)
Samtmann, Martin, Wyndmoor, Pa. Rose. 402; June 18.

LIST OF DESIGN PATENTEES

Aitcheson, Thomas G. (See Osterberg, H., and Aitcheson.)
American Anode Inc. (See Hansen, Merrill E., assignor.)
American Optical Company. (See Lehmberg, William H., assignor.)
Amster, Gershon. (See Schnitt, Jacob, assignor.)
Anderson, Maurice, Edgewood, R. I. Chain. 121,086; June 18.
Andrews, Anatol N., Los Angeles, Calif. Fountain pen or similar article. 121,087; June 18.
Arrousez, Frank P., Los Angeles, Calif. Incandescent lighting unit. 121,061; June 18.
Bach, Alfons, New York, N. Y. Table or similar article. 121,062; June 18.
Benson, Bernhart A., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Mixer. 121,136; June 18.
Brod, Melvin D., New York, N. Y. Chenille slacks. 121,111; June 18.
Brewer-Titchener Corporation, The. (See Main, Amos L., assignor.)
Bruderick, George W., Detroit, Mich. Automobile signal lamp. 121,063; June 18.
Bry, Edwin, Elberon, N. J., assignor to Edwin & Louis Bry, Inc., New York, N. Y. Textile fabric. 121,064; June 18.
Bry, Edwin & Louis, Inc. (See Bry, Edwin, assignor.)
Caestecker, Charles E., Chicago, Ill. Rebound device for a pin-ball game apparatus. 121,088; June 18.
Caestecker, Charles E., Chicago, Ill. Rebound device for a pin-ball game apparatus. 121,089; June 18.
Chicago Electric Manufacturing Company. (See Benson, Bernhart A., assignor.)
Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)
Cleveland Tractor Company, The. (See Heaslet, James G., assignor.)
Cleveland Welding Company, The. (See Kranz, Harry W., assignor.)
Coro-Gram, Inc. (See Verrecchio, Gene, assignor.)
Crabbe, Lindsay T., assignor to Phoenix Metal Cap Co., Inc., Chicago, Ill. Cap for containers. 121,065; June 18.
Cummings, Israel, New York, N. Y. Textile fabric. 121,090; June 18.
Deja, Bruno, Brooklyn, N. Y. Shoe rack. 121,112; June 18.
Devor, Don S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile bumper or similar article. 121,066; June 18.
Dictograph Products Company. (See Stolzenberger, Adam, Jr., assignor.)
Dioguardi, Frances, New York, N. Y. Dress. 121,113; June 18.
Donahey, Robert F., Shaker Heights, Ohio. Burial vault. 121,137; June 18.
Du Mais, Leo J., Chicago, Ill. Combined coaster and ash tray. 121,114; June 18.
Easy Washing Machine Corporation. (See Litle, Thomas J., Jr., assignor.)
Engel, Alice, New York, N. Y. Dress. 121,115; June 18.
Evans Case Company. (See Reilly, Alfred F., assignor.)
Feldman, Philip, New York, N. Y. Coat lining. 121,116; June 18.
Fischer, Max, Great Neck, N. Y. Body attached propulsion unit. 121,067; June 18.
Fraterrigo, James, Tampa, Fla. Carton. 121,068; June 18.
Gelbig, Frank C., Westfield, N. J., assignor to Oxweld Acetylene Company. Carriage for supporting and propelling a tool, such as a blowpipe. 121,091; June 18.
Gilbert, Alfred O., Chicago, Ill. Dress ensemble. 121,138; June 18.
Gleitsman, Harold. (See Rahner, George, assignor.)
Grossman, Samuel, Chicago, Ill. Dress. 121,139; June 18.
Gustafson, Lewis H., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair brush. 121,092; June 18.
Hacker, Mathilda, New York, N. Y. Glove. 121,140; June 18.
Hansen, Merrill E., assignor to American Anode Inc., Akron, Ohio. Aviator's oxygen mask or similar article. 121,069; June 18.
Hauptman, Wesley R., assignor to Nassour Bros., Inc., Ltd., Los Angeles, Calif. Perfume bottle. 121,070; June 18.
Heaslet, James G., Hudson, assignor to The Cleveland Tractor Company, Cleveland, Ohio. Fender for automotive vehicles. 121,093; June 18.
Heath, Wilfrid P., Richmond Beach, Wash. Lighting fixture. 121,094; June 18.
Herr, Frank E., Lancaster, Pa. Oil burner. 121,071; June 18.
Heywood-Wakefield Company. (See Larsen, Lewis, assignor.)
Hobgood, Margaret, New York, N. Y. Dress ensemble. 121,145; June 18.
Hobgood, Margaret, New York, N. Y. Dress ensemble. 121,146; June 18.
Holstein, Sol, New York, N. Y. Lapel pin. 121,117; June 18.
Houdaille-Hershey Corporation. (See Devor, Don S., assignor.)
Hyman, Charles H., Bronx, N. Y. Christmas tree ornament. 121,095; June 18.
Jacobson, Norman, New York, N. Y. Coat. 121,147; June 18.
Johnson, Walter J., assignor to Johnson Chair Company, Chicago, Ill. Chair. 121,072; June 18.
Johnson Chair Company. (See Johnson, Walter J., assignor.)
Joyce, Isabelle Z., assignor to Spaulding-Gorham, Inc., Chicago, Ill. Clip or similar article of jewelry. 121,118; June 18.
Kostellow, Rowena R., assignor to United States Glass Company, Pittsburgh, Pa. Centerpiece bowl or similar article. 121,119; June 18.
Kranz, Harry W., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Chair. 121,073; June 18.
Kupfrian, Wilbur J., Hasbrouck Heights, N. J. Jacket. 121,120; June 18.

Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. Chair or similar article. 121,141; June 18.
Lehmberg, William H., Dudley, assignor to American Optical Company, Southbridge, Mass. Eye shield. 121,121; June 18.
Litho Equipment & Supply Company. (See Sussin, Victor J., assignor.)
Litle, Thomas J., Jr., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Ironing machine. 121,074; June 18.
Logan Gear Company, The. (See McCarthy, Charles S., assignor.)
Lowe, Joe, Corporation. (See Thomas, Norman M., assignor.)
Madaras, Andrew, Chicago, Ill. Combined bracket and latch for hair driers. 121,142; June 18.
Main, Amos L., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Clamp keeper for a clip body. 121,075; June 18.
Markel Electric Products, Inc. (See Markel, M., and Ripley, assignors.)
Markel, Morris, and D. L. Ripley, assignors to Markel Electric Products, Inc., Buffalo, N. Y. Electric heater. 121,096; June 18.
McCarthy, Charles S., assignor to The Logan Gear Company, Toledo, Ohio. Brake actuator or similar article. 121,122; June 18.
McCarthy, Eugene J., assignor to A. G. Walton & Co. Inc., Chelsea, Mass. Shoe sole or similar article. 121,123; June 18.
Montgomery Ward and Company. (See Teague, Walter D., assignor.)
Nager, Albert, New York, N. Y. Dress. 121,148; June 18.
Nassour Bros., Inc., Ltd. (See Hauptman, Wesley R., assignor.)
Nehls, Charles H., Detroit, Mich. Locking cover. 121,076; June 18.
Neuhardt, Charlotte M., New York, N. Y. Dress. 121,149; June 18.
New Monarch Machine & Stamping Co. (See Shelton, Lee A., assignor.)
O'Connell, John S., assignor to Towle Manufacturing Company, Newburyport, Mass. Buffet holder for silverware or analogous article. 121,077; June 18.
Osterberg, Harold, Buffalo, and T. G. Aitcheson, Tonawanda, assignors to Spencer Lens Company, Buffalo, N. Y. Projector. 121,097; June 18.
Osterberg, Harold, Buffalo, and C. M. Sperazz, Kenmore, assignors to Spencer Lens Company, Buffalo, N. Y. Projector. 121,098; June 18.
Oxweld Acetylene Company. (See Geibig, Frank C., assignor.)
Pardey, William A., Portland, Oreg. Ozone producing machine. 121,099; June 18.
Phoenix Metal Cap Co. (See Crabbe, Lindsay T., assignor.)
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Mixer. 121,124; June 18.
Pro-phy-lac-tic Brush Company. (See Gustafson, Lewis H., assignor.)
Rahner, George, assignor to H. Gleitsman, New York, N. Y. Hamper or similar article. 121,125; June 18.
Rahner, George, assignor to H. Gleitsman, New York, N. Y. Hamper or similar article. 121,126; June 18.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Company. Cigarette case or the like. 121,078; June 18.
Reilly, Alfred F., North Attleboro, Mass. Receptacle for cosmetics. 121,079; June 18.
Reilly, Alfred F., North Attleboro, Mass. Receptacle for cosmetics. 121,080; June 18.
Reilly, Alfred F., North Attleboro, Mass. Receptacle for cosmetics. 121,081; June 18.
Reilly, Alfred F., North Attleboro, Mass. Receptacle for cosmetics. 121,085; June 18.
Reinstein, Harry, Bronx, N. Y. Necklace. 121,127; June 18.
Ripley, Duane L. (See Markel, M., and Ripley.)
Schaeffer, Jacob H., Brooklyn, N. Y. Gem setting for finger ring and the like. 121,128; June 18.
Scheider, Arline M., Los Angeles, Calif. Building. 121,100; June 18.
Schlesinger, Walter N., New York, N. Y. Combined wrench handle and hair winding pin. 120,082; June 18.
Schneiderwind, Howard B., New York, N. Y. Textile fabric. 121,129; June 18.
Schnitt, Jacob, New York, assignor to Gershon Amster, Brooklyn, N. Y. Ribbon fabric or similar article. 121,150; June 18.
Sengbusch, Gustav J., Milwaukee, Wis. Inkstand or the like. 121,101; June 18.
Sengbusch, Gustav J., Milwaukee, Wis. Inkstand or the like. 121,102; June 18.
Shelton, Lee A., assignor to New Monarch Machine & Stamping Co., Des Moines, Iowa. Display rack or similar article. 121,130; June 18.
Sochard, Henry, Brooklyn, N. Y. Combined clock and picture holding case. 121,103; June 18.
Spaulding-Gorham, Inc. (See Joyce, Isabelle Z., assignor.)
Spencer Lens Company. (See Osterberg, H., and Aitcheson, assignors.)
Spencer Lens Company. (See Osterberg, H., and Sperazz, assignors.)
Sperazz, Charles M. (See Osterberg, H., and Sperazz.)
Stewart, Arthur C., Pasadena, and K. Weber, assignors to Union Oil Company of California, Los Angeles, Calif. Comfort station. 121,104; June 18.
Stolzenberger, Adam, Jr., Glendale, N. Y., assignor to Dictograph Products Company, Inc. Inter-communicating telephone station cabinet or similar article. 121,131; June 18.
Stover, Paul A., San Francisco, Calif. Fire extinguisher. 121,083; June 18.
Strauss, Arthur, New York, N. Y. Stamp or similar article. 121,132; June 18.
Sussin, Victor J., assignor to Litho Equipment & Supply Company, Chicago, Ill. Reproduction machine. 121,105; June 18.
Teague, Walter D., New York, N. Y., assignor to Montgomery Ward and Company, Chicago, Ill. Bicycle. 121,106; June 18.
Terrie, Daniel G., Rockville Centre, N. Y. Building. 121,107; June 18.
Thomas, Norman M., Pelham, assignor to Joe Lowe Corporation, New York, N. Y. Confectionery product. 121,133; June 18.
Towle Manufacturing Company. (See O'Connell, John S., assignor.)
Union Oil Company of California. (See Stewart, A. C., and Weber, assignors.)
United States Glass Company. (See Kostellow, Rowena R., assignor.)
Velt, Howard, New York, N. Y. Textile fabric. 121,143; June 18.
Velz, Roland J., Colorado Springs, Colo. Game board. 121,108; June 18.
Verrecchio, Gene, Providence, R. I., assignor to Coro-Gram, Inc., New York, N. Y. Brooch or similar article. 121,109; June 18.
Walton, A. G., & Co. Inc. (See McCarthy, Eugene J., assignor.)
Warner, Arthur P., Beloit, Wis., assignor to Warner-Patterson Company, Chicago, Ill. Device for analyzing combustion motors. 121,084; June 18.
Warner-Patterson Company. (See Warner, Arthur P., assignor.)
Weber, Kem. (See Stewart, A. C., and Weber.)
Weber, William W., Mount Vernon, N. Y. Textile fabric. 121,134; June 18.
White, Bernard, New York, N. Y. Handbag. 121,144; June 18.
Williams, Robert, New York, N. Y. Combined desk and artificial fireplace. 121,110; June 18.
Wittl, Priscilla, Chicago, Ill. Scarf. 121,135; June 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Volwiler, E. H., and Moore, assignors.)
Abrams, Albert, New York, N. Y. Double ended jar or similar article. 2,204,784; June 18.
Acme Steel Company. (See Childress, William C., assignor.)
Acme Visible Records, Inc. (See Straubel, Clarence W., assignor.)
Actiengesellschaft Joh. Jacob Rieter & Cie. (See Mutter, Fritz., assignor.)
Adair, Samuel E., assignor, by mesne assignments, to Bendix Radio Corporation, Baltimore, Md. Landing system. 2,205,185; June 18.
Adams, Guy, et al. (See Bragg, Dillon C., assignor.)
Adams, James A., assignor to The Mine and Smelter Supply Company, Denver, Colo. Pulp density regulator. 2,204,644; June 18.
Adams, William R., San Francisco, Calif. Dishwashing and sterilizing apparatus. 2,205,113; June 18.
Aetna Motor Products Corporation et al. (See Hasselbaum, Oscar H., assignor.)
Aetna Standard Engineering Company, The. (See Moore, George E., assignor.)
Ahlbrandt, John P., assignor to Borg-Warner Corporation, Chicago, Ill. Ironing device. 2,204,744; June 18.
Ahles, Carl C., Albany, N. Y. Road guard. 2,204,556; June 18.
Ahles, Carl C., Albany, N. Y. Road guard. 2,204,557; June 18.
Ahles, Carl C., Albany, N. Y. Road guard. 2,204,558; June 18.
Ahles, Carl C., Albany, N. Y. Road guard. 2,204,559; June 18.
Ainsworth Manufacturing Company. (See Potter, Albert T., assignor.)
Air Reduction Company. (See Miller, Hoke S., assignor.)
Air-Way Electric Appliance Corporation. (See Riebel, F., Jr., and Flatz, assignors.)
Alcorn Combustion Company. (See Leech, Thomas B., assignor.)
Aldridge, Blair G. (See Gard, E. W., and Aldridge.)
Allen, Joseph W., assignor to Eclipse Aviation Corporation, East Orange, N. J. Synchroscope. 2,205,330; June 18.
Allison, Douglas, assignor of one-half to V. Lowrie, Fort Worth, Tex. Automatic fish catcher. 2,204,560; June 18.
Allmanna Svenska Elektriska Aktiebolaget. (See Lamm, U., and Karsberg, assignors.)
Alton, William H., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Filtering. 2,205,331; June 18.
Aluminum Company of America. (See Hogg, Emerson E., assignor.)
American Can Company. (See Murch, John H., assignor.)
American Cyanamid Company. (See Flaks, Julius, assignor.)
American Flange & Manufacturing Co. (See Waldo, Robert, assignor.)
American Forging & Socket Company, The. (See Johnson, Andrew L., assignor.)
American Forging and Socket Company. (See Oberhoffken, Alexander, assignor.)
American Foundry Equipment Company, The. (See Guendling, John E., assignor.)
American Foundry Equipment Company, The. (See Guite, Roy W., assignor.)
American Foundry Equipment Company, The. (See Hughes, Edward R., assignor.)
American Foundry Equipment Company, The. (See Minich, V. E., and Grove, assignors.)
American Foundry Equipment Company, The. (See Pelk, Louis D., assignor.)
American Foundry Equipment Company, The. (See Turnbull, David C., assignor.)
American Foundry Equipment Company, The. (See Unger, Chester E., assignor.)
American Lava Corporation. (See Stevens, F. J., and Layson, assignors.)
American Machine & Foundry Company. (See Beutel, Robert J., assignor.)
American Oil & Grease Corporation et al. (See Callaghan, A. J., and McCarthy, assignors.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Radiator & Standard Sanitary Corporation. (See Timmis, W. W., and Michaels, assignors.)
American Rolling Mill Company, The. (See Freeland, Charles E., assignor.)
American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
American Seal-Kap Corporation of Delaware. (See Clark, Kempton, assignor.)
American Smelting and Refining Company. (See Betterton, J. O., and Lebedeff, assignors.)
American Specialty Company, The. (See Berger, R., and Ricket, assignors.)
American Steel Foundries. (See Lamont, John A., assignor.)
American Voith Contact Co. Inc. (See Thaler, Wilhelm, assignor.)
American Well & Prospecting Company. (See Anderson, Carl M., assignor.)
Anastor, Charles G., assignor to Kimble Glass Company, Vineland, N. J. Apparatus for forming stopcock barrels. 2,204,542; June 18.
Anderson, Bernadine, executrix. (See Anderson, Howard P.)
Anderson, Carl M., Corsicana, assignor to American Well & Prospecting Company, Navarro County, Tex. Adjustable engine skid. 2,204,877; June 18.
Anderson, Earl I., Bayside, and G. Mountjoy, Manhasset, N. Y., assignors to Radio Corporation of America. Interference rejection circuit. 2,204,954; June 18.
Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Universal joint. 2,204,745; June 18.
Anderson, Edward E., Loma Linda, Calif. Machine for forming the bottoms of bags. 2,205,005; June 18.
Anderson, Harry E., La Junta, Colo. Force feed lubricator. 2,204,878; June 18.
Anderson, Howard P., deceased, Erie, Pa.; B. Anderson, executrix, Dallas, Tex., assignor to The Standard Stoker Company, Inc., New York, N. Y. Stoker. 2,204,541; June 18.
Andre, Gustaf E., Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill. Electric connector plug. 2,205,186; June 18.
Anthes, Eugen. (See Pier, M., and Anthes.)
Apfelbaum, Herman, Brooklyn, assignor to A. Maskow, New York, N. Y. Cosmetic wiper. 2,204,947; June 18.
Archbold-Hagner Instrument Laboratory, Inc. (See Hagner, Frederick H., assignor.)
Armentrout, Arthur L. (See Hall, E. B., and Armentrout.)
Armitage, Joseph B. (See Kearney, E. J., and Armitage.)
Armstrong Cork Company. (See Snodgrass, Henry W., assignor.)
Armstrong, George C., Wilkinsburg, and D. Ellis, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Coil support for electromagnets. 2,205,234; June 18.
Arnold, Edwin E., Pittsburgh, and R. S. Elberty, Jr., Waynesboro, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Valve operator. 2,205,235; June 18.
Arnold, Hewett R., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 2,205,236; June 18.
Arnold, Luther B., Jr. (See Lenher, S., and Arnold.)
Arnold, Schwinn & Company. (See Olson, Phillip W., assignor.)
Aron Electricity Meter Limited. (See Riordan, Edward J., assignor.)
Arveson, Maurice H. (See Seeley, C. H., and Arveson.)
Ashley, Julius N. (See Ewins, A. J., and Ashley.)
Ashworth, Fred N., Somerville, Mass. Fastener. 2,204,561; June 18.
Aste, Anthony L., assignor to Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Carton. 2,205,332; June 18.
Atkins, George T., Barnesboro, Pa. Safety reel for blasting cables. 2,205,056; June 18.
Atlantic Research Associates, Inc. (See Atwood, Francis C., assignor.)
Atwood, Francis C., Newton, Mass., assignor to Atlantic Research Associates, Inc. Package and noncorrodible container. 2,204,746; June 18.
Automotive Products Company Limited. (See Clench, Edward C. S., assignor.)
Avery, Rube A., Hot Springs National Park, Ark. Brake apparatus. 2,204,720; June 18.
Axthelm, Hermine, Rockville Centre, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Interlocking fastener slider. 2,204,562; June 18.
Baash, Lawrence F., assignor to Baash-Ross Tool Company, Los Angeles, Calif. Rotary table assembly. 2,204,645; June 18.

Baash, Lawrence F., assignor to Baash-Ross Tool Company, Los Angeles, Calif. Bushing for use in rotary tables. 2,204,646; June 18.

Baash, Lawrence F., assignor to Baash-Ross Tool Company, Los Angeles, Calif. Rotary table bushing. 2,204,647; June 18.

Baash-Ross Tool Company. (See Baash, Lawrence F., assignor.)

Badertscher, Darwin E. (See Berger, H. G., James, and Badertscher.)

Baer, Howard, Jersey City, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,205,333; June 18.

Bailey, Theodore, Habana, Cuba. Flour sifter. 2,204,920; June 18.

Baird, George R., et al. (See Madsen, Carl A., assignor.)

Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)

Baker Perkins Company, Inc. (See Paterson, John C., assignor.)

Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Packing for well devices. 2,204,648; June 18.

Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)

Balfour, Robert, Dundee, Scotland. Shock absorbing means for shuttles. 2,205,025; June 18.

Barham, Theophilus A., Norfolk, Va. Fire escape. 2,205,026; June 18.

Barnes, Norman W. (See Dube, J. E., and Barnes.)

Barnes, Norman W., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Mixing device. 2,205,334; June 18.

Barnett, Edward J., Compton, assignor of one-half to L. L. Sissell, Los Angeles, Calif. Device for dispensing measured quantities of divided solid material. 2,205,129; June 18.

Barnhart, George E., Pasadena, Calif. Hydraulic control. 2,204,649; June 18.

Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,205,369; June 18.

Bartlett, Edward P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing cyclohexane and acetone. 2,204,978; June 18.

Barton, Loy E., Collingswood, N. J., assignor, by mesne assignments, to Pennsylvania Patents, Inc., Carson City, Nev. Push-pull amplifier circuit. 2,205,335; June 18.

Bastrup, Kay L. (See Batten, P. H., and Bastrup.)

Batt, Walter C. (See Ryan, H. S., and Batt.)

Batten, Percy H., and K. L. Bastrup, assignors to Twin Disc Clutch Company, Racine, Wis. Clutch. 2,204,879; June 18.

Beach, Edward J., Brooklyn, assignor to Beach-Russ Company, New York, N. Y. Oil and water separator. 2,205,336; June 18.

Beach-Russ Company. (See Beach, Edward J., assignor.)

Beardsley, Dilward T., assignor of one-half to E. W. Couchman, Wichita, Kans. Boring device. 2,205,237; June 18.

Becht, Howell M., assignor of one-half to A. W. Lick, Harrisburg, Pa. Antiskid appliance. 2,204,921; June 18.

Becker, Bernard C., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,205,078; June 18.

Beeby, Frank F., River Forest, Ill., assignor to Cement Gun Company. Chimney. 2,204,955; June 18.

Belden Manufacturing Company. (See Andre, Gustaf E., assignor.)

Belden Manufacturing Company. (See Wermine, Hugo H., assignor.)

Belding, Harold L., Northampton, assignor to Henrici Laundry Machinery Company, Boston, Mass. Washer. 2,204,563; June 18.

Belding, Harold L., Dorchester, assignor to Henrici Laundry Machinery Company, Boston, Mass. Laundry washer. 2,205,130; June 18.

Bell, Albert, North Hollywood, assignor to Twentieth Century-Fox Film Corporation, Beverly Hills, Calif. Lift truck. 2,204,880; June 18.

Bell Telephone Laboratories, Incorporated. (See Blattner, David G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Carpenter, W. W., and Matthies, assignors.)

Bell Telephone Laboratories, Incorporated. (See Hubbard, Francis A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)

Bell Telephone Laboratories, Incorporated. (See Skellett, Albert M., assignor.)

Belleisle, Courtlandt L., Bellingham, Wash. Fiberboard cutout easel. 2,204,881; June 18.

Bendix Aviation Corporation. (See Chappell, R. R., Colt, and McCormack, assignors.)

Bendix Aviation Corporation. (See Gregg, D., and Daalder, assignors.)

Bendix Aviation Corporation. (See Whitney, Kenneth E., assignor.)

Bendix Radio Corporation. (See Adair, Samuel E., assignor.)

Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Traction wheel. 2,204,650; June 18.

Benner, Joseph C., assignor to V. P. Benner, Kansas City, Mo. Compensating carburetor. 2,205,027; June 18.

Benner, Roland G. (See Henke, C. O., and Benner.)

Benner, Velma P. (See Benner, Joseph C., assignor.)

Bennett, Charles E., Ridgewood, N. J. Process of and apparatus for lining pipes. 2,204,785; June 18.

Bennett, Willard H., assignor to Electronic Research Corporation, Newark, Ohio. Rectifier. 2,204,564; June 18.

Berck, William F., Hayward, assignor to Ralph N. Brodie Company, Oakland, Calif. Printing mechanism for meter counters. 2,204,922; June 18.

Bergan, Martin D. (See Thomas G. C., Jr., and Bergan.)

Berger, Hellmuth. (See Kunz, H., and Berger.)

Berger, Henry G., Woodbury, W. H., James Wenonah, and D. E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Reaction products of ortho-phosphitobenzoyl chloride and making same. 2,205,337; June 18.

Berger, Rudolph, and H. N. Ricket, assignors to The American Specialty Company, Amherst, Ohio. Method of and apparatus for washing vegetables. 2,205,131; June 18.

Berl, Ernst, Pittsburgh, Pa. Purification of sulphur dioxide-containing technical gases obtained from roasting. 2,204,543; June 18.

Berliner, Henry A., Washington, D. C., assignor, by mesne assignments, to Engineering and Research Corp., Riverdale, Md. Metal forming machine. 2,205,079; June 18.

Berluti, Ercole R., Saginaw, Mich. Trailer hitch. 2,204,882; June 18.

Betterton, Jesse O., and Y. E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Refining lead which contains bismuth. 2,204,651; June 18.

Beutel, Robert J., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Continuous loaf feeding and timing device. 2,205,338; June 18.

Bickford, George, Lisbon, assignor to Farnsworth Mill, Lisbon Center, Maine. Automatic bunch builder. 2,204,786; June 18.

Bienert, Berthold. (See Gassner, S., and Bienert.)

Blanchard, Werner J., assignor to Engineering Projects, Inc., Dayton, Ohio. Propeller and making same. 2,205,132; June 18.

Blanke, Rose, B., Brooklyn, N. Y. Radio enclosure. 2,204,787; June 18.

Blattner, David G., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector apparatus. 2,204,747; June 18.

Blau, Leon W., Providence, R. I. Flashlight. 2,205,163; June 18.

Blaw-Knox Company. (See Venable, William H., assignor.)

Blaw-Knox Company. (See Venable, William M., assignor.)

Blessing, Alexander F., near Newville, Pa. Erection gauge. 2,205,339; June 18.

Bliss, E. W., Company. (See Strout, Robert W., assignor.)

Bloxom, Harvey L., Fort Dodge, Iowa. Bubble blower. 2,205,028; June 18.

Bludworth, Joseph E., Cumberland, Md., assignor to Celanese Corporation of America. Alcohol oxidation. 2,204,652; June 18.

Blumlein, Alan D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Impedance network for coupling electric cable circuits. 2,204,721; June 18.

Bock, Louis H., assignor to Röhm & Haas Company, Philadelphia, Pa. Aliphatic di-oxymethylene quaternary ammonium halides and producing them. 2,204,653; June 18.

Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track switch connecting mechanism. 2,205,114; June 18.

Bonham, William H., Metuchen, assignor to Nixon Nitration Works, Nixon, N. J. Machine for forming tubular bodies. 2,205,029; June 18.

Booty, Kelvin H., assignor to Sears, Roebuck and Co., Chicago, Ill. Syringe. 2,204,654; June 18.

Booty, Philip C., Jr., Chicago, Ill., assignor to International Harvester Company. Device for assembling ball bearings. 2,204,655; June 18.

Borden, Moro M., assignor to Simplex Valve and Meter Company, Philadelphia, Pa. Air release valve for sewage lines. 2,204,788; June 18.

Borg-Warner Corporation. (See Ahlbrandt, John P., assignor.)

Borg-Warner Corporation. (See Anderson, Edmond B., assignor.)

Borg-Warner Corporation. (See Swennes, Benjamin A., assignor.)

Borsoff, Victor N. (See Humphreys, R. L., and Borsoff.)

Borsoff, Victor N. (See Kavanagh, F. W., Borsoff, and Humphreys.)

Boston Wire Stitcher Company. (See Davis, E. W., and Maynard, assignors.)

Botten, John B., Shaker Heights, Ohio. Bucket operating mechanism. 2,204,883; June 18.

Bowles, Carl E., assignor of fifteen per cent to V. L. Neal, and thirty-four per cent to E. Sumpter, Lewiston, Idaho. Portable chair. 2,204,722; June 18.

Brady, James R., Marion, Ohio, assignor to The Marion Metal Products Company, Marion, Ohio. Casket placer. 2,205,057; June 18.

Bragg, Dillon C., Glendale, assignor of fifteen per cent to D. Offill, Los Angeles, fifteen per cent to W. Vaughn and fifteen per cent to G. Adams, Glendale, Calif. Food tenderizer. 2,205,133; June 18.

Braun, C. F., & Co. (See Eckart, William R., assignor.)

Bray, William N., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Conditioning apparatus. 2,204,656; June 18.

Bredow, Max, Waterloo, Iowa. Trick toy. 2,204,789; June 18.

Brendel, Clyde, Los Angeles, Calif. Roller bit. 2,204,657; June 18.

Brenkert, Karl, assignor to Brenkert Light Projection Company, Detroit, Mich. Film gate. 2,204,884; June 18.

Brenkert Light Projection Company. (See Brenkert, Karl, assignor.)

Bresler, Fritz, Berkeley, and A. Drasky, Oakland, assignors to Shell Development Company, San Francisco, Calif. Purification of ketones and ketols. 2,204,956; June 18.

Brett, George F. (See Rust, N. M., and Brett.)

Brice, Albert L., assignor to The Frederick Iron and Steel Company, Frederick, Md. Shear pin alarm for stokers. 2,205,370; June 18.

Bridgeport Fabrics, Incorporated. (See Spraragen, Louis, assignor.)

Bright Star Battery Company. (See Desimone, Anthony J., assignor.)

Brittain, Monroe, Chickasha, Okla. Oil burner. 2,205,340; June 18.

Britton, Edgar C., R. C. Dosser, and J. J. Sculati, assignors to The Dow Chemical Company, Midland, Mich. Preparation of cyclohexene. 2,204,565; June 18.

Brodie, Ralph N., Company. (See Berck, William F., assignor.)

Brogden, Ernest M., Orlando, Fla., assignor to Bank of The Manhattan Company, trustee, New York, N. Y. Merchandising package. 2,205,341; June 18.

Bromley, Colin. (See Dreyer, F. L., and Bromley.)

Brooks, James O. (See Singleton, James W., assignor.)

Broschat, Gust, San Francisco, Calif. Boat construction. 2,205,134; June 18.

Brown, Charles S., Syracuse, N. Y. Internal combustion engine. 2,204,842; June 18.

Brown, Davis, and J. B. Peebles, Los Angeles, and B. M. Burchfiel, Glendale, Calif.; said Peebles and said Burchfiel assignors to said Brown. Making interlocking roofing tile. 2,205,080; June 18.

Brown, Delbert F., Westfield, and H. C. De Hoff, Roselle Park, N. J., assignors to Standard Oil Development Company. Silver polish. 2,205,115; June 18.

Brown Instrument Company, The. (See Whitten, James L., assignor.)

Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Explosive. 2,205,116; June 18.

Buchanan, Stephen N., Westmoreland Hills, Md., assignor to The Thomas & Betts Co., Elizabeth, N. J. Wire connector. 2,204,979; June 18.

Buehner, William F. A., New York, N. Y. Automobile license plate lock. 2,204,790; June 18.

Buelow, Henry W., Detroit, Mich. Building frame structure. 2,204,566; June 18.

Bugatti, Ettore, Molsheim, France. Vehicle, and especially automotive railroad vehicles. 2,205,030; June 18.

Bugden, Henry H., London, England. Continuously variable gearing. 2,205,031; June 18.

Bunker Hill & Sullivan Mining & Concentrating Company. (See Lee, H. E., and Muir, assignors.)

Bünzli, Karl, Thalwil, Switzerland, assignor to Vereinigte Faerbereien und Appretur Aktien Gesellschaft. Device for the lateral stretching of webs of textile material. 2,205,371; June 18.

Burkhardt, Arthur, Berlin-Lichterfelde, and R. Knabe, Berlin-Zehlendorf, assignors to Georg Von Giesche's Erben, Breslau, Germany. Magnesium alloy of high strength. 2,204,567; June 18.

Burkhardt, Arthur, Berlin-Lichterfelde, and R. Knabe, Berlin-Zehlendorf, assignors to Georg Von Giesche's Erben, Breslau, Germany. Magnesium alloy. 2,204,568; June 18.

Burndy Engineering Co. Inc. (See Lee, Marvin, assignor.)

Burnell Machine Company. (See Hausman, Walter J., assignor.)

Burrows, Lawton A., Woodbury, N. J., and C. A. Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Collapsible tube method of depositing explosive charges. 2,205,081; June 18.

Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well cementing device. 2,204,658; June 18.

Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Slip for oil well tools. 2,204,659; June 18.

Burt, Joseph H., Hermann, Mo. Cable tool. 2,205,238; June 18.

Burchfiel, Bruner M. (See Brown, D., Peebles, and Burchfiel.)

Bush, Stanley A., East Jordan, assignor to G. C. Willcox, Saginaw, Mich. Supplying drinking water to fowls and the like. 2,205,342; June 18.

Bushong, Tolbert C., Waveland, Ind. Agricultural machine. 2,204,569; June 18.

Buti, Giacinto, McKeesport, Pa. Comfort window. 2,204,923; June 18.

Butler, Frank D., United States Navy. Internal combustion engine method and apparatus. 2,204,570; June 18.

Butts, John H. (See Spriggs, E. L., and Butts.)

Buxbaum, Edwin C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the acid wool class. 2,204,748; June 18.

Byrne, John F., assignor to Collins Radio Company, Cedar Rapids, Iowa. Voltage regulation system for vacuum tube amplifiers. 2,204,571; June 18.

Byron-Jackson Co. (See Grau, Herbert E., assignor.)

Byron Jackson Co. (See Hambly, Allen E., assignor.)

Byron Jackson Co. (See Hollander, Aladar, assignor.)

Cain, Basil S., Erie, Pa., assignor to General Electric Company. Locomotive vehicle. 2,205,280; June 18.

Callaghan, Andrew J., Oak Park, and L. J. McCarthy, Maywood, assignors of one-half to Sears, Roebuck and Co., Chicago, and one-half to American Oil & Grease Corporation, Chicago, Ill. Dispensing container. 2,205,082; June 18.

Callaghan, George H. (See Dewan, Leon, assignor.)

Calvert, Sumter, Chicago, Ill. Sound recorder. 2,205,058;

Campbell, Henry L., Coulee City, assignor of one-half to H. C. Lewis, Mazama, Wash. Lifter. 2,204,843; June 18.

Cantelo, Robert C., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil. 2,204,660; June 18.

Cantelo, Robert C., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil. 2,204,661; June 18.

Canter, Morris, New York, N. Y. Hand closed interlocking safety seal. 2,204,662; June 18.

Cappel, Curry G., New Orleans, La. Pile. 2,204,924; June 18.

Carbide and Carbon Chemicals Corporation. (See Yngve, Victor, assignor.)

Carborundum Company, The. (See Robie, Norman P., assignor.)

Cardis, Wilford, et al. (See Sullivan Martin E., assignor.)

Carelli, Sam, assignor to D. M. Shuman, Atlanta, Ga. Grooving tool. 2,205,343; June 18.

Carlbom, Axel G. H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Variable leverage gear for brakes. 2,204,925; June 18.

Carpenter, Otto W., Jr., et al, executors. (See Kearney, E. J., and Armitage.)

Carpenter-Stone, Inc. (See Stone, Albert R., assignor.)

Carpenter, Warren W., Garden City, and W. H. Matthies, Hackensack, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic call recording system. 2,204,957; June 18.

Carrara, Charles, Brooklyn, N. Y. Tap dancing heel and toe attachment for shoes. 2,205,344; June 18.

Carter, Albert S., and F. W. Johnson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing cyano-2-butadiene-1,3. 2,205,239; June 18.

Castings Patent Corporation. (See Hagemeyer, Henry F., assignor.)

Cavallaro, Frank. (See Pascuzzi, V., and Cavallaro.)

Cazes, Paul G., Paris, assignor to Pathé Cinéma, Anciens Etablissements Pathé Frères, Paris, Seine, France. Driving mechanism of the barrel type. 2,205,083; June 18.

Celanese Corporation of America. (See Bludworth, Joseph E., assignor.)

Celanese Corporation of America. (See Uphill, K. M., and Guyler, assignors.)

Celotex Corporation, The. (See Douglas, Wilmot C., assignor.)

Cement Gun Company. (See Beeby, Frank F., assignor.)

Cen-Tennial Cotton Gin Company. (See Griffin, Dan C., assignor.)

Chalchoff, Louis G., Euclid, Ohio. Clamping device. 2,204,663; June 18.

Chamberlain Corporation. (See Etten, Nicholas L., assignor.)

Chamberlin, Earl A., assignor to Chandler Company, Cedar Rapids, Iowa. Valve for hydraulic control systems. 2,204,885; June 18.

Chambers, Ivan F., Wilmington, Del., and A. L. Fox, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dye compositions. 2,205,032; June 18.

Chambers, Jewel C., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,205,117; June 18.

Chandler Company. (See Chamberlin, Earl A., assignor.)

Chappell, James F., Mineola, Tex. Drilling and coring apparatus. 2,204,844; June 18.

Chappell, Ralph R., Richmond, Va., and R. B. Colt and D. McCormack, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Temperature controlling means. 2,205,164; June 18.
Charters, David B. (See Mueller, E. O., and Charters.)
Chemical Extraction Corporation. (See Rader, Lyell M., assignor.)
Chemical Foundation, Incorporated, The. (See Hixson, A. W., and Miller, assignors.)
Chemipulp Process, Inc. (See Dunbar, Thomas L., assignor.)
Cherryfield Corporation, et al. (See Wallace, Archibald L., assignor.)
Chicago Die Casting Manufacturing Company. (See Koch, Paul F., assignor.)
Chicago Railway Equipment Company. (See Le Beau, Ernest A., assignor.)
Childress, William C., Oak Park, assignor to Acme Steel Company, Chicago, Ill. Electrically driven stretching tool. 2,204,572; June 18.
Christensen, Charles, New London, Conn. Golf ball retriever. 2,205,345; June 18.
Cinch Manufacturing Corporation. (See Del Camp, Scipione M., assignor.)
Cincinnati Grinders Incorporated. (See Decker, Jacob, assignor.)
Cincinnati Milling Machine Co., The. (See Romaine, M., Hawley, and Horlacher, assignors.)
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,205,240; June 18.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Purification of halogenated hydrocarbons. 2,205,187; June 18.
Clark, Frederick J., assignor to Eastman Machine Company, Buffalo, N. Y. Steam installation for pressing appliances. 2,205,241; June 18.
Clark, Kempton, Little Compton, R. I., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Making paper articles. 2,204,664; June 18.
Clark, William E., Dundalk, Md. Citrus juice extractor. 2,205,059; June 18.
Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. High speed cigar machine. 2,204,980; June 18.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Air operated switch. 2,205,281; June 18.
Clench, Edward C. S., Leamington Spa, assignor to Automotive Products Company Limited, London, England. Remote control system. 2,205,346; June 18.
Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Age resistor. 2,205,084; June 18.
Clingerman, George L., Bellefontaine, Ohio. Motorbus construction. 2,204,926; June 18.
Clouston, Charles E., Osterley, England, assignor to Sperry Gyroscope Company, Inc., New York, N. Y. Electrically operated engine starter. 2,204,573; June 18.
Clough, John W., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,204,981; June 18.
Cloutier, Ellery J., et al. (See Place, Bion C., assignor.)
Coffee Products Corporation. (See Kappenberg, William, assignor.)
Coffey, Samuel, N. H. Haddock, and C. Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Anthraquinone dyestuffs. 2,204,749; June 18.
Cohen, Abe, et al. (See Piper, John, assignor.)
Cohen, Max, et al. (See Piper, John, assignor.)
Colgate-Palmolive-Peet Company. (See Percy, Joseph H., assignor.)
Collins Radio Company. (See Byrne, John F., assignor.)
Collins Radio Company. (See Davis, Frank M., assignor.)
Colt, Rutger B. (See Chappell, R. R., Colt, and McCormack.)
Columbus Coated Fabrics Corporation. (See Hyatt, C. S., and Lowman, assignors.)
Combined Metals Reduction Company. (See Green, William D., assignor.)
Compton, Francis M., deceased, Waco, Tex., by I. M. Compton, executrix. Support and drape for casket lowering devices. 2,204,723; June 18.
Compton, Ida M., executrix. (See Compton, Francis M.)
Conover, Warren C., assignor to Outboard, Marine & Manufacturing Company, Waukegan, Ill. Mechanical starter for internal combustion engines. 2,204,750; June 18.
Cook, Roy L. (See Quillin, L. O., and Cook.)
Cooke, Allen B., Chicago, Ill., assignor to United Autographic Register Co. Manifolding attachment for typewriters. 2,205,165; June 18.
Cope, Harold, Donora, Pa. Valve seat. 2,204,724; June 18.
Cornell, Joseph F., Minneapolis, Minn., assignor to The Timken Roller Bearing Company, Canton, Ohio. Cage for roller bearings. 2,205,372; June 18.
Corning Glass Works. (See Shaver, William W., assignor.)
Couchman, Earl W. (See Beardsely, Dilward T., assignor.)
Cramer, John A., Ogden, Utah. Roof framing implement. 2,204,927; June 18.
Crane Co. (See Kacena, J., and Vandenberg, assignors.)
Crawford, David A., Golf, assignor to The Pullman Company, Chicago, Ill. Railway sleeping car. 2,205,085; June 18.
Crede, Charles E., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Refrigerator Company. Refrigerator car construction. 2,204,665; June 18.
Crites, Wilbur J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reducing stresses in oil well pumping equipment. 2,204,725; June 18.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Three electrode crystal phase modulation receiver. 2,204,574; June 18.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulation receiver. 2,204,575; June 18.
Crosley Corporation, The. (See Freeman, Robert L., assignor.)
Crosley Corporation, The. (See Tyzzer, Howard J., assignor.)
Cross, Thomas, Jr. (See Fulton, S. C., and Cross.)
Crown Cork & Seal Company. (See Stewart, Robert J., assignor.)
Crown Cork & Seal Company. (See Stone, David B., assignor.)
Cuddigan, Bartholomew O., Wadena, and B. J. Mondloch, St. Martin, assignors of one-sixth to said Cuddigan, one-sixth to said Mondlock, one-sixth to J. Schaefer, St. Cloud, one-fourth to J. E. Murphy, Minneapolis, and one-fourth to A. J. Zachman, Robinsdale, Minn. Cultivator. 2,205,188; June 18.
Culver, Edwin S., Oakland, assignor to Oliver United Filters Incorporated, San Francisco, Calif. Locking device. 2,204,928; June 18.
Daalder, Richard. (See Gregg, D., and Daalder.)
Dähling, Heinz, Berlin-Haselhorst, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrolytic water decomposer. 2,204,982; June 18.
Dahlstrom, Arvid, assignor to J. E. Johnson, Chicago, Ill. Visible coin slide structure. 2,204,845; June 18.
Dame, Charles V., Lanark, Ill. Liquid distributing apparatus. 2,204,751; June 18.
Dannerth, Frederic. (See Ellis, C., and Dannerth.)
Darby, George M. (See Hubbell, G. E., Scott, and Darby.)
Darling, Frank L., Hollywood, Calif., assignor to A. E. Dieterich, Washington, D. C. Hose clamp. 2,205,347; June 18.
Daubenspeck, Henry C. (See Winder, Samuel E., assignor.)
Davis, Edward W., Minneapolis, Minn. Reducing ores. 2,204,576; June 18.
Davis, Elmer W., Newton Center, Mass., and A. H. Maynard, Warwick, R. I., assignors to Boston Wire Stitcher Company, Portland, Maine. Identification and recording device. 2,204,577; June 18.
Davis, Frank M., assignor to Collins Radio Company, Cedar Rapids, Iowa. Transmission control system. 2,204,578; June 18.
Davis, Frank M., assignor to Collins Radio Company, Cedar Rapids, Iowa. Limiting amplifier control means. 2,204,726; June 18.
Davis, Frederick R. J., Irwin, and G. P. Lessmann, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Roller-hearth type electric furnace. 2,205,242; June 18.
Davis, Lincoln K., Brockton, Mass. Movement-producing device. 2,204,791; June 18.
Davis, Lincoln K., Brockton, Mass. Movement-producing device. 2,204,792; June 18.
Davis, Lincoln K., Brockton, Mass. Thermostat. 2,204,793; June 18.
Dawson, John W. (See Shutt, C. C., and Dawson.)
Dayton Manufacturing Company, The. (See Schumacher, John C., assignor.)
De Armond, James K., and G. L. Haller, Dayton, Ohio. Antenna reel mechanism. 2,204,579; June 18.
Deckel, Friedrich. (See Zwick, Kurt, assignor.)
Decker, Jacob, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,205,373; June 18.
De Groote, Melvin, St. Louis, Mo., assignor, by mesne assignments, to The Dow Chemical Company, Midland, Mich. Increasing the productivity of wells. 2,204,580; June 18.
De Hoff, Hugh C. (See Brown, D. F., and De Hoff.)
Delamere Company. (See Huppert, William, assignor.)
Delano, Leonard, Minneapolis, Minn. Theftproof lamp socket. 2,204,666; June 18.
Del Camp Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Cord-anchoring device. 2,205,348; June 18.
Dell, Albert P. C., Chippendale, New South Wales, Australia. Reinforcing member for the springs of motor driven vehicles. 2,205,086; June 18.
Denning, Paul S., assignor to F. E. Schundler & Co., Inc., Joliet, Ill. Insulating material and its manufacture. 2,204,581; June 18.
Desimone, Anthony J., Lyndhurst, assignor to Bright Star Battery Company, Clifton, N. J. Flashlight. 2,204,752; June 18.

Devlin, James E., Worcester, Mass. Cross chain for automobile tires. 2,204,886; June 18.
Dewan, Leon, assignor of fifty per cent to G. H. Callaghan, New York, N. Y. Web or film driving mechanism. 2,204,887; June 18.
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Dieterich, Albert E. (See Darling, Frank L., assignor.)
Di Fatta, Nicholas, Oakmont, assignor to Woodings-Verona Tool Works, Verona, Pa. Rail fastener. 2,205,282; June 18.
Dirschl, Mathias, Hamburg, Germany. Memorandum device combined with means for mounting lamellar articles. 2,204,794; June 18.
Ditto, Incorporated. (See Wimmer, Glen E., assignor.)
Docken, Andrew. (See Fitzgerald, W. R., and Docken.)
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Amplifier. 2,205,243; June 18.
Donahue, William B., Ossining, assignor to Feldspathic Research Corporation, New York, N. Y. Wear-resisting ceramic composition. 2,204,582; June 18.
Donnell, Lloyd H. (See Loudenslager, O. W., and Donnell.)
Dooley, Arthur F., Salem, and C. H. Stone, Peabody, assignors to C. W. Stone, Lynn, Mass. Transportation means. 2,204,667; June 18.
Dorr Company, The. (See Hubbell, G. E., (Scott and Darby, assignors).)
Dosser, Robert C. (See Britton, E. C., Dosser, and Sculati.)
Dotta, Louis, San Jose, assignor to Pratt-Low Preserving Company, Santa Clara, Calif. Artichoke trimming machine. 2,204,846; June 18.
Double, Plummer E., Detroit, and F. Wascher, Flint, Mich. Hopper mechanism. 2,205,087; June 18.
Dougherty, Elmer E., Glen Ridge, N. J. Generating chlorine and production of valuable by-products. 2,204,888; June 18.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electrical connection means. 2,205,244; June 18.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electrical switching device. 2,205,245; June 18.
Douglas, Wilmot C., Plainfield, N. J., assignor to The Celotex Corporation, Chicago, Ill. Partition construction. 2,205,088; June 18.
Dow Chemical Company, The. (See Britton, E. C., Dosser, and Sculati, assignors.)
Dow Chemical Company, The. (See De Groote, Melvin, assignor.)
Downey, Clement L., Cincinnati, Ohio. Coin wrapper. 2,205,283; June 18.
Doyle, Morgan J. (See (Strano, P., assignor), and Hulburt.)
Drasky, Albert. (See Bresler, F., and Drasky.)
Dreyer, Francis L., Pretoria, Transvaal, and C. Bromley, Bloemfontein, Orange Free State, Union of South Africa; said Bromley assignor to said Dreyer. Flushing valve for urinals, water-closets, and the like. 2,205,033; June 18.
Dube, John E., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Expansion valve. 2,205,166; June 18.
Dube, John E., and N. W. Barnes, assignors to The Fulton Sylphon Company, Knoxville, Tenn. Temperature controlling mechanism. 2,205,349; June 18.
Dunbar, Thomas L., assignor to Chemipulp Process, Inc., Watertown, N. Y. Digesting process and apparatus. 2,205,374; June 18.
Dunkle, Ross N., Dry Run, assignor of one-half to H. C. Epperly, Philadelphia, Pa. Machine for cutting leather. 2,204,727; June 18.
Dun-Mil Products, Inc., The. (See Miller, Michael J., assignor.)
Duo Color Printing Press Company, The. (See Loughery, Joseph F., assignor.)
Duo-Dyeing Machine Company. (See Wedler, Frederick, C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bartlett, Edward P., assignor.)
Du Pont, E. I., de Nemours & Company. (See Burrows, L. A., and Woodbury, assignors.)
Du Pont, E. I., de Nemours & Company. (See Buxbaum, Edwin C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carter, A. S., and Johnson, assignors.)
Du Pont, E. I., de Nemours & Co. (See Chambers, I. F., and Fox, assignors.)
Du Pont, E. I., de Nemours & Company. (See Clough, John W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Haag, I. L., and Vana, assignors.)
Du Pont, E. I., de Nemours & Company. (See Henke, C. O., and Benner, assignors.)
Du Pont, E. I., de Nemours & Company. (See Johnson, Charles R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Latour, Theodore R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lenher, S., and Arnold, assignors.)
Du Pont, E. I., de Nemours & Company. (See Rintelman, William L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Tisdale, W. H., and Williams, assignors.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wortz, Charles G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wuertz, A. J., and Rintelman, assignors.)
Durant, Lyndon A., assignor to R. T. Moloney, Chicago, Ill. Amusement game apparatus. 2,205,060; June 18.
Durham Duplex Razor Company. (See Sheehan, Thomas C., assignor.)
Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,204,753; June 18.
Dyer, John B., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Control apparatus for engine starters. 2,205,375; June 18.
Dykes, Melville C., Kirkland Lake, Ontario, Canada. Pad holder and pad. 2,205,034; June 18.
Eastman Machine Company. (See Clark, Frederick J., assignor.)
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Eastman Kodak Company. (See McNally, J. G., and Van Dyke, assignors.)
Easy Washing Machine Corporation. (See Litle, Thomas J., Jr., assignor.)
Ebsworth, Richard H., Honolulu, Hawaii. Roller window shade. 2,204,847; June 18.
Eccles, William E., Owatonna, Minn. Bimetallic finger ring. 2,205,006; June 18.
Eckart, William R., San Marino, assignor to C. F. Braun & Co., Alhambra, Calif. Commingling fluids. 2,205,284; June 18.
Eclipse Aviation Corporation. (See Allen, Joseph W., assignor.)
Eclipse Aviation Corporation. (See Baer, Howard, assignor.)
Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Eclipse Aviation Corporation. (See Olshevsky, Dimitry E., assignor.)
Edgerton, Harold E., Watertown, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Synchronous-motor-control system. 2,205,246; June 18.
Edgerton, Harold E., Cambridge, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Synchronous-motor-control system. 2,205,247; June 18.
Edgerton, Harold E., Belmont, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Synchronous-motor-control system. 2,205,248; June 18.
Edison-Splitdorf Corporation. (See Klingner, Adolph F., assignor.)
Edwards & Company. (See Edwards, Robert S., assignor.)
Edwards, Robert S., New Canaan, assignor to Edwards and Company, Inc., Norwalk, Conn. Signaling apparatus. 2,205,189; June 18.
Eggerss, Hans A. Van Wert, Ohio. Clamping ring for containers. 2,205,135; June 18.
Eggert, John, Leipzig, and H. F. Nissen, Dessau, Germany, assignors, by meane assignments, to General Aniline & Film Corporation, New York, N. Y. Picture sound film. 2,204,668; June 18.
Eickman, Willis E., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,204,848; June 18.
Eisenberg, Tobias, assignor of one-half to M. M. Marks, Philadelphia, Pa. Garment form. 2,205,136; June 18.
Eisenhand, Edna T., et al., coexecutor. (See Traylor, John A.)
Elberty, Robert S., Jr. (See Arnold, E. E., and Elberty.)
Electric & Musical Industries Limited. (See Blumlein, Alan D., assignor.)
Electric Steel Foundry Company. (See Younie, Lewis E., assignor.)
Electrical Testing Laboratories. (See Little, William F., assignor.)
Electronic Research Corporation. (See Bennett, Willard H., assignor.)
Ellis, Carleton, Montclair, and F. Dannerth, East Orange, assignors to Ellis Laboratories, Inc., Montclair, N. J. Stabilization of foods. 2,204,728; June 18.
Ellis, Carleton, Montclair, and F. Dannerth, East Orange, assignors to Ellis Laboratories, Inc., Montclair, N. J. Treatment of partially rancid glycerides. 2,204,729; June 18.
Ellis, Delbert. (See Armstrong, G. C., and Ellis.)
Ellis Laboratories, Inc. (See Ellis, C., and Dannerth, assignors.)
Engel, Karl, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Manufacture of welt shoes. 2,204,669; June 18.
Engel, Kurt, St. Louis, Ht. Rhin, France, assignor to J. R. Geigy S. A., Basel, Switzerland. Sulphonated indole derivatives. 2,204,544; June 18.
Engineering and Research Corporation. (See Berliner, Henry A., assignor.)
Engineering Projects, Inc. (See Blanchard, Werner J., assignor.)
Eonalf, John P. (See Straubel, W. E., and Eonalf.)
Epperly, Howell C. (See Dunkle, Ross N., assignor.)

Eppler, Andrew, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Welt cementing machine. 2,204,670; June 18.
Ericson, Charles G., Toronto, Ontario, Canada. Rail retaining device. 2,204,849; June 18.
Erickson, Leonard E., and B. W. Olson, assignors to Chas. Olson & Sons, Incorporated, Minneapolis, Minn. Extensible work tower. 2,204,671; June 18.
Escobales, Hilarión, Staten Island, N. Y. Package. 2,204,850; June 18.
Eskilson, Nils, Huntington Park, Calif. Measuring cup. 2,204,730; June 18.
Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer release mechanism. 2,205,137; June 18.
Ewins, Arthur J., Gidea Park, Romford, and J. N. Ashley, Upminster, assignors to May & Baker, Limited, London, England. Diamidino stilbenes and making them. 2,204,983; June 18.
Exner, Donald W., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator. 2,205,350; June 18.
Fairhurst, Isaac J. D., Cedar Falls, Iowa. Shower bathtub. 2,204,929; June 18.
Falk Corporation, The. (See Parsons, Fred A., assignor.)
Falls, Herbert P., Vancouver, British Columbia, Canada. Concrete building construction. 2,204,583; June 18.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder device. 2,204,795; June 18.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Retaining valve device. 2,204,796; June 18.
Farmer, Thomas, Mamaroneck, N. Y. Bottle capper. 2,204,851; June 18.
Farnsworth Mill. (See Bickford, George, assignor.)
Farrand, Burdette R., Toronto, Ontario, Canada. Carton for containing straws and the like. 2,205,158; June 18.
Farrell, James E., Boylston, Ala., assignor to West Boylston M'f'g Company of Alabama. Cord and making same. 2,205,285; June 18.
Farrell, James E., Boylston, Ala., assignor to West Boylston M'f'g Company of Alabama. Making cotton spun yarn. 2,205,286; June 18.
Farrington, John F., Flushing, N. Y., assignor to Hazeltine Corporation. Oscillation generator. 2,205,190; 18.
Fast, John E., & Company. (See Kile, E. M., and Kain, assignors.)
Faunce, John H., Johnstown, Pa. Welding electrode holder. 2,204,545; June 18.
Fearn, Richard L., Rockville, Md., assignor to Synero Machine Company, Rahway, N. J. Temperature measuring apparatus. 2,204,797; June 18.
Featherston, Edgar D., Richmond, Ind. Full flow full tank nozzle spout. 2,205,351; June 18.
Feldspathic Research Corporation. (See Donahue, William B., assignor.)
Fels & Company. (See Potter, Earl C., assignor.)
Fell, Herbert J. (See Ingram, Arthur, assignor.)
Fenton, Ray M., Youngstown, Ohio. Method of and apparatus for making sheets. 2,204,984; June 18.
Ferguson, George E., Spring Valley, N. Y., assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 2,204,798; June 18.
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Garage door construction. 2,204,852; June 18.
Fields, Chris J. (See Renno, D. G., and Fields.)
Filby, Carlton W., Jefferson, Ohio. Anchor. 2,204,799; June 18.
Fink-Roselieve Co. (See Schwartzmann, Harry, assignor.)
Fischer, Ernst, Offenbach-on-the-Main, Germany, assignor to General Aniline & Film Corporation. Monoazo dyestuffs insoluble in water. 2,204,958; June 18.
Fischer, William H., assignor to Knapp-Monarch Company, St. Louis, Mo. Appliance base. 2,204,930; June 18.
Fisher, Foster H., Cleveland, Ohio. Electric float. 2,205,352; June 18.
Fitzgerald, William R., and A. Docken, Chicago, Ill. Cleaning machine. 2,205,249; June 18.
Flaks, Julius, Oradell, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. J. 1.4 alkyamino anthraquinone. 2,205,191; June 18.
Flatz, Ira F. (See Riebel, F., Jr., and Flatz.)
Fleet, Reuben H., W. B. Wheatley, and I. M. Laddon, San Diego, Calif. Device for handling aircraft. 2,204,546; June 18.
Flint, Louis J. (See Weathers, Warren F., assignor.)
Flower, Harry B., Bayville, N. Y. Method and apparatus for shellfish dredging. 2,204,584; June 18.
Floyd, Henry G., assignor to McWane Cast Iron Pipe Co., Birmingham, Ala. Horizontal core machine. 2,205,035; June 18.
Flynn, Charles F., Harrison, N. Y. Indoor storm window and sunray member. 2,205,353; June 18.
Folberth, Frederick G. and W. M., Cleveland, Ohio. Automotive vehicle control mechanism. 2,204,672; June 18.
Folberth, William M. (See Folberth, Frederick G. and W. M.)
Follender, Otto. (See Kriss, Rose, assignor.)
Foweraker, Thomas S., assignor to E. S. & A. Robinson, Limited, Bristol, England. Automatic sheet feeding apparatus. 2,204,985; June 18.
Fox, Arthur L. (See Chambers, I. F., and Fox.)
Foxboro Company, The. (See Macdonald, W. S., and Frymoyer, assignors.)
Frame, William M., Ben Avon, assignor to The National Supply Company, Pittsburgh, Pa. Threaded joint. 2,204,754; June 18.
Franklin, Charles S., London, England, assignor to Radio Corporation of America. Radio and other high frequency feeder arrangements. 2,205,250; June 18.
Franks Manufacturing Corporation. (See White, Carl, Jr., assignor.)
Franks Manufacturing Corporation. (See Woody, Wayland B., assignor.)
Frantz Manufacturing Co. (See Ferris, William D., assignor.)
Frederick Iron and Steel Company, The. (See Brice, Albert L., assignor.)
Freeborn, James E., assignor to Freeborn Power Converters Limited, London, England. Variable speed power transmission apparatus. 2,204,800; June 18.
Freeborn Power Converters Limited. (See Freeborn, James E., assignor.)
Freeland, Charles E., Butler, Pa., assignor to The American Rolling Mill Company, Middletown, Ohio. Annealing base. 2,204,889; June 18.
Freeman, Robert L., assignor to The Crosley Corporation, Cincinnati, Ohio. Compensation for distortion in sharply tuned circuits. 2,205,007; June 18.
Frenkel, Gerhard, Rudersdorf, near Berlin, Germany. Sintered binding agent of the Portland cement type and manufacturing same. 2,204,959; June 18.
Freyn Engineering Company. (See Rice, O. R., and Schofield, assignors.)
Friedenstine, Frederick H., Ogden, Utah. Stoker. 2,205,061; June 18.
Friedler, Max H., Lewiston, Maine. Hat protector. 2,205,062; June 18.
Friedman, Bertalan, New York, N. Y. Rainproof and adjustable two-in-one suitcase. 2,205,118; June 18.
Fry, Benjamin W., University City, Mo. Magazine. 2,205,192; June 18.
Frymoyer, Webster W. (See Macdonald, W. S., and Frymoyer.)
Fulton, Stewart C., Elizabeth, N. J., and T. Cross, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Treating hydrocarbons. 2,204,673; June 18.
Fulton Syphon Company, The. (See Barnes, Norman W., assignor.)
Fulton Syphon Company, The. (See Dube, John E., assignor.)
Fulton Syphon Company, The. (See Dube, J. E., and Barnes, assignors.)
Gagnebin, Albert P., Fair Haven, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Producing cast steels. 2,204,585; June 18.
Galatas, Richard T., et al. (See Madsen, Carl A., assignor.)
Gard, Earle W., Palos Verdes Estates, and B. G. Aldridge, assignors to Union Oil Company of California, Los Angeles, Calif. Apparatus for mixing fluids. 2,205,089; June 18.
Gard, Earle W., Palos Verdes Estates, and B. W. Aldridge, assignors to Union Oil Company of California, Los Angeles, Calif. Apparatus for mixing fluids. 2,205,090; June 18.
Garrity, Annie, et al. (See Sullivan, Martin E., assignor.)
Gassner, Sebastian, and B. Bienert, Leverkusen-I. G. Werk, Germany, assignors to General Aniline & Film Corporation. 3'-halogen-benzoyl-2-benzoic acid-4'-sulphonic acids and making the same. 2,204,960; June 18.
Gathercole, Mearl W., Los Angeles, Calif. Thermally governed control. 2,204,890; June 18.
Gazeltine Corporation. (See Farrington, John F., assignor.)
Geffner, Samuel H., New York, N. Y. Foot covering. 2,205,091; June 18.
Geha Aktiengesellschaft. (See Kampczyk, Leonhard, assignor.)
Geigy, J. R., S. A. (See Engel, Kurt, assignor.)
Geis, George F. (See Holmes, C. H., and Geis.)
Gemex Company. (See Haeffner, Emil, assignor.)
General Aniline & Film Corporation. (See Eggert, J., and Nissen, assignors.)
General Aniline & Film Corporation. (See Fischer, Ernst, assignor.)
General Aniline & Film Corporation. (See Gassner, S., and Bienert, assignors.)
General Electric Company. (See Cain, Basil S., assignor.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Gillette, Robert T., assignor.)
General Electric Company. (See Harbison, George C., assignor.)
General Electric Company. (See Howard, Alan, assignor.)
General Electric Company. (See Larrecq, Anthony J., assignor.)
General Electric Company. (See Lenz, Kurt, assignor.)

General Electric Company. (See Peterson, Harold A., assignor.)
General Electric Company. (See Pirani, Marcello, assignor.)
General Electric Company. (See Thieme, Paul, assignor.)
General Motors Corporation. (See Chambers, Jewel C., assignor.)
General Motors Corporation. (See Claytor, Edward M., assignor.)
General Motors Corporation. (See Dyer, John B., assignor.)
General Motors Corporation. (See Gould, Richard E., assignor.)
General Motors Corporation. (See Thompson, Earl A., assignor.)
Gessler, Albert E., assignor to Interchemical Corporation, New York, N. Y. Method and apparatus for drying coated and decorated webs. 2,204,801; June 18.
Gessler, Albert E., assignor to Interchemical Coorporation, New York, N. Y. Controlling web temperatures in printing. 2,204,802; June 18.
Getaz, James L., Maryville, Tenn. Plain knitted ornamented fabric having elastic thread incorporated therein and making same. 2,204,731; June 18.
Gillette, Robert T., Scotia, N. Y., assignor to General Electric Company. Resistance line welding. 2,205,251; June 18.
Gilman Fanfold Corporation. (See Hope, William H., Jr., assignor.)
Gilpin, Garth G., Riverside, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car construction. 2,204,674; June 18.
Girstenbrei, Roy M., Madison, Wis. Air conditioning apparatus. 2,204,732; June 18.
Gleason Works. (See Wildhaber, Ernest, assignor.)
Goldman, Yehuda, New York, N. Y. Foldable, portable shelving. 2,205,193; June 18.
Gonsor, John, Chicago, Ill. Dehairing device. 2,204,755; June 18.
Gonzáles, José N., Salamanca, Mexico. Apparatus to mechanize the conjugation of English verbs. 2,204,931; June 18.
Goodman, Emil, assignor, by mesne assignments, to J. E. Johnson, Chicago, Ill. Coin or token handling apparatue. 2,204,853; June 18.
Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
Goodman Manufacturing Company. (See Rankin, Robert E., assignor.)
Goodyear-Zeppelin Corporation. (See Loudenslager, O. W., and Donnell, assignors.)
Gottesman, Herman, Hillsdale, N. J. Frame for counters and tables. 2,205,376; June 18.
Gould, James, Jr., assignor to The Miller Company, Meriden, Conn. Portable lamp. 2,204,986; June 18.
Gould, Richard E., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,205,138; June 18.
Graenacher, Charles, Riehen, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Producing dyeings. 2,204,932; June 18.
Graenacher, Charles, Riehen, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Producing dyeings. 2,204,933; June 18.
Graham, Quentin, Oakmont, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Induction-motor braking. 2,205,252; June 18.
Grau, Herbert E., Vernon, assignor to Byron-Jackson Co., Huntington Park, Calif. Safety tool joint. 2,204,586; June 18.
Gray, Floyd E., assignor to A. A. Kucher, Dayton, Ohio. Making a joint. 2,205,008; June 18.
Gray, G. A., Company, The. (See Walter, John M., assignor.)
Green, William D., assignor to Combined Metals Reduction Company, Bauer, Utah. Differential flotation of mixed sulphide ore. 2,205,194; June 18.
Gregg, David, Caldwell, and R. Danider, Paterson, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind. Internal combustion engine control. 2,205,354; June 18.
Greterman, Lambert L., Santa Monica, Calif. Screw driver. 2,205,167; June 18.
Grier, Virginia H., Pleasantville, N. J. Blood test tube. 2,204,547; June 18.
Grieve, George T. W., Woolwich, London, assignor to Henley Extrusion Machine Company Limited, London, England. Metal extrusion machine. 2,204,961; June 18.
Griffin Manufacturing Company. (See Aste, Anthony L., assignor.)
Griffith-Hope Company. (See Hope, Samuel N., assignor.)
Griffin, Dan C., Jackson, Miss., assignor to Cen-Tennial Cotton Gin Company, Columbus, Ga. Cotton gin and cleaner. 2,204,803; June 18.
Grimm, Otto, and H. Rauch, Darmstadt, Germany, assignors to Röhm & Haas Company, Philadelphia, Pa. Treatment of leather. 2,205,355; May 18.
Grove, Gerald N. (See Minich, V. E., and Grove.)
Gruensfelder, Rose, and E. C. Neunuebel, St. Louis, Mo.; said Neunuebel assignor to said Gruensfelder. Shoe of elastic material. 2,205,356; June 18.
Grunert, Frank A., Menlo Park, Calif. Flooring. 2,204,675; June 18.
Gruse, William A. (See Stevens, D. R., and Gruse.)
Guendling, John E., South Bend, assignor to The American Foundry Equipment Company, Mishawaka, Ind. Centrifugal abrasive blasting machine. 2,204,587; June 18.
Guggenheim Brothers. (See Smith, Elias A. C.)
Gulberson Corporation, The. (See Temple, Clyde V., assignor.)
Guite, Roy W., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Apparatus for abrasively treating metal articles. 2,204,588; June 18.
Gulf Research & Development Company. (See Stevens, D. R., and Gruse, assignors.)
Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Synchronizing device for synchronous motors. 2,205,253; June 18.
Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator. 2,205,254; June 18.
Gulliksen, Finn H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Register control of color printing presses. 2,205,255; June 18.
Gump, B. F., Company. (See Hazle, Albert J. Jr., assignor.)
Gunderson, Gustav, Pottsville, Pa. Cord holder for electric irons. 2,205,139; June 18.
Gussak, William, Jackson Heights, N. Y. Drum. 2,204,987; June 18.
Guthrie, George G., Tulsa, Okla. Tire indicator. 2,205,168; June 18.
Guyler, Albert F. (See Uphill, K. M., and Guyler.)
H. B. Motor Corporation. (See Harper, William, Jr., assignor.)
Haag, Ivan L., and C. A. Vana, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of lactic acid. 2,205,256; June 18.
Haddock, Norman H. (See Coffey, S., Haddock, and Wood.)
Haeffner, Emil, assignor to Gemex Company, Newark, N. J. Clasp. 2,205,092; June 18.
Hagemeyer, Henry F., Chicago, Ill., assignor to Castings Patent Corporation. Crucible handling mechanism. 2,205,093; June 18.
Hagner, Frederick H., San Antonio, Tex., assignor of one-fifth to Archbold-Hagner Instrument Laboratory, Inc. Visible course and position indicator. 2,205,357; June 18.
Hall, Elwin B., and A. L. Armentrout, Los Angeles, Calif., assignors, by direct and mesne assignments, to Security Engineering Co. Inc. Method of setting drillable liners in wells. 2,205,119; June 18.
Haller, George L. (See De Armond, J. K., and Haller.)
Haller, John, assignor to J. H. Tool & Machine Works, Detroit, Mich. Hydraulic clutch and brake mechanism. 2,204,589; June 18.
Hallman, Abram, Oklahoma City, Okla. Signal structure. 2,205,169; June 18.
Haltenberger, Jules, Ann Arbor, Mich. Suspension means for drive axles. 2,204,988; June 18.
Haltenberger, Jules, Ann Arbor, Mich. Suspension means for drive axles. 2,204,989; June 18.
Haltenberger, Jules, Ann Arbor, Mich. Automobile hood. 2,204,990; June 18.
Haltenberger, Jules, Ann Arbor, Mich. Automobile hood. 2,204,991; June 18.
Hamann, Henry J., and C. B. Williams, Jr., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Edge grinding apparatus. 2,205,009; June 18.
Hambly, Allen E., Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Pumping apparatus. 2,204,854; June 18.
Hamel, Edmund, Siegmar-Schonau, near Chemnitz, Germany. Method and device for separating and uniting artificial fibrous structures to form a connected fibrous band. 2,205,036; June 18.
Hamilton Development Corporation. (See Hamilton, Wallace, assignor.)
Hamilton, James H., Burbank, assignor to Western Precipitation Corporation, Los Angeles, Calif. Dust collector. 2,204,590; June 18.
Hamilton, Wallace, Plainfield, N. J., assignor to Hamilton Development Corporation, Wilmington, Del. Electrically controlled shedding mechanism for looms. 2,204,891; June 18.
Hammon, Raymond A., and J. S. Winnefeld, Indianapolis, Ind. Radially demountable rotatable element. 2,205,195; June 18.
Hammond, Frederick, Charleston, W. Va. Food product and its preparation. 2,205,094; June 18.
Hanna, Clinton R., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Centrifugal governor with large anticipation. 2,205,257; June 18.
Haselbaum, Oscar H., Boston, assignor to Joseph Pollak Corporation, Dorchester, and Aetna Motor Products Corporation, Dorchester, Mass. Control rheostat unit. 2,205,287; June 18.
Hansell, Clarence W., Pot Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. 2,205,358; June 18.

Hansen, Elmer K., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protection for controlled atmosphere furnaces. 2,205,258; June 18.
Harbison, George C., Erie, Pa., assignor to General Electric Company. Fastening means. 2,205,259; June 18.
Hardsocg Wonder Drill Co. (See Mead, Ezra B., assignor.)
Harper, William, Jr., Port Washington, assignor to H. B. Motor Corporation, New York, N. Y. Spark plug. 2,205,196; June 18.
Hart, Frank A., New York, N. Y. Tire guard. 2,205,260; June 18.
Hartman, Carl H., New Rochelle, and W. R. Peterson, Oswego, assignors to St. Regis Paper Company, New York, N. Y. Belt packer. 2,205,010; June 18.
Haase, Frank C., La Grange, Ill., and L. W. Young, Scotch Plains, N. J., assignors to Oxweld Acetylene Company. Blowpipe. 2,204,756; June 18.
Hasselbaum, Oscar H., Boston, assignor to Joseph Pollak Corporation, and Aetna Motor Products Corporation, Dorchester, Mass. Control rheostat. 2,205,288; June 18.
Hatchett, W. H. (See Smith, Floyd S., assignor.)
Hausman, Walter J., Washington, D. C., assignor to Burnell Machine Company, Incorporated, Wilmington, Del. Line justifier for key operated printing machines. 2,205,289; June 18.
Hawley, Amos H. (See Romaine, M., Hawley, and Horlacher.)
Hayes, Helen, New York, N Y. Greeting replica. 2,205,262; June 18.
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sole-fitting machine. 2,204,676; June 18.
Hazle, Albert J., Jr., assignor to B. F. Gump Company, Chicago, Ill. Apparatus for preparing granular coffee. 2,204,591; June 18.
Heady, Paul A., South Pasadena, Calif. Electric switch. 2,204,892; June 18.
Healy, Francis P., assignor to Van Norman Machine Tool Company, Springfield, Mass. Boring head. 2,204,855; June 18.
Heard, Llewellyn, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Catalysts and preparing them. 2,205,140; June 18.
Heard, Llewellyn, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Dehydrogenation of hydrocarbons. 2,205,141; June 18.
Heberlein, George, Jr., E. Weiss, and H. Hemmi, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y. Rendering cellulose-containing material crease-resistant and products obtained thereby. 2,205,120; June 18.
Heberlein Patent Corporation. (See Heberlein, G., Jr., Weiss, and Hemmi, assignors.)
Heftler, Victor R., Grosse Pointe Park, Mich. Punch press tool. 2,204,592; June 18.
Hein, Carl C., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Copper oxide rectifier. 2,205,263; June 18.
Heintzen, Harry R., Philadelphia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bottle cooler. 2,204,804; June 18.
Heller, Oswald, London, England. Apparatus for producing activated carbonaceous materials. 2,205,011; June 18.
Hemmi, Hans. (See Heberlein, G., Jr., Weiss, and Hemmi.)
Henke, Clyde O., Wilmington, Del., and R. G. Benner, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Extrusion of higher alkyl sulphate salts. 2,205,037; June 18.
Henley Extrusion Machine Company Limited. (See Grieve, George T. W., assignor.)
Henrici Laundry Machinery Company. (See Belding, Harold L., assignor.)
Henze, Henry C., Linden, N. J. Safety valve. 2,204,757; June 18.
Herrera, Juan H., Habana, Cuba. Infusion strainer device. 2,205,290; June 18.
Hester, John C., assignor of one-third to G. W. Young and one-third to B. Lichtenberger, Milwaukee, Wis. Shoe dressing and polishing cloth. 2,205,063; June 18.
Hiesermann, William F., San Juan, Tex. Irrigation border filler. 2,205,038; June 18.
Hildebrandt, Rainer, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic volume control. 2,204,962; June 18.
Hillix, Foster F., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread collecting device. 2,204,593; June 18.
Hinrichs, Ferdinand, and G. N. Sery, assignors to Tri-Clover Machine Company, Kenosha, Wis. Sanitary valve. 2,204,856; June 18.
Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Solvent refining petroleum oils. 2,204,758; June 18.
Hoard, Norman F., Milton, assignor to The Holtzer-Cabot Electric Company, Boston, Mass. Loudspeaking telephone system. 2,205,142; June 18.
Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Milker claw. 2,204,677; June 18.
Hoeffelman, Johan M. (See Van Peski, A. J., and Hoeffelman.)
Hoffman, Victor A., Harvey, Ill. Pipe fitting. 2,205,197; June 18.
Hogg, Emerson E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Sealing machine. 2,204,594; June 18.
Hollander, Aladar, Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Series-parallel submersible pump. 2,204,857; June 18.
Holmes, Carl H., Johnstown, and G. F. Geis, Westmont Borough, assignors to National Radiator Corporation, Johnstown, Pa. Grate shaking mechanism for fuel burning apparatus. 2,205,291; June 18.
Holmes, Ralph S., Haddonfield, N. J., assignor to Radio Corporation of America. Television receiver. 2,204,992; June 18.
Holtzer-Cabot Electric Company, The. (See Hoard, Norman F., assignor.)
Hoover Company, The. (See Becker, Bernard C., assignor.)
Hoover Company, The. (See Nelson, R. S., and Siedle, assignors.)
Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Roll holder. 2,205,198; June 18.
Hope, William H., Jr., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Continuous manifolding book. 2,204,678; June 18.
Horlacher, Herman. (See Romaine, M., Hawley, and Horlacher.)
Horowitz, A. (See Knös, G. B., and Horowitz.)
Hotson, John H., Woodside, N. Y. Weighing device of the balance type. 2,204,595; June 18.
Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Heat exchanger unit. 2,205,292; June 18.
Hoza, John, Zlin, Czechoslovakia. Machine for the ornamentation of welts. 2,204,993; June 18.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,204,759; June 18.
Hubbell, George E., Detroit, Mich., and C. H. Scott, Norwalk, and G. M. Darby, Westport, Conn.; said Scott and said Darby assignors to The Dorr Company, Inc., New York, N. Y. Sedimentation. 2,205,199; June 18.
Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Butt welding machine. 2,204,858; June 18.
Hughes, Edward R., Morristown, N. J., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Abrasive blast machine. 2,204,596; June 18.
Hulburt, Ray E. (See Strano, P., and Hulburt.)
Humphreys, Robert L. (See Kavanagh, F. W., Borsoff, and Humphreys.)
Humphreys, Robert L., and V. N. Borsoff, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded lubricant. 2,204,597; June 18.
Humphreys, Robert L., and V. N. Borsoff, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded lubricating oil. 2,204,598; June 18.
Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Comb. 2,205,200; June 18.
Hurst, John I. (See Valentine, G. E., and Hurst.)
Hyatt, Charles S., and J. C. Lowman, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Coated glass fabric. 2,204,859; June 18.
Hygrade Sylvania Corporation. (See Schleimann Jensen, Arne, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Anthes, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schuette, H., Schoeller, and Wittwer.)
Idaho Maryland Mines Corporation. (See Newsom, John B., assignor.)
Imboden, Clyde, Gary, Ind. Automatic feed for tinning machines and the like. 2,204,548; June 18.
Imperial Chemical Industries Limited. (See Coffey, S., Haddock, and Wood, assignors.)
Imperial Chemical Industries Limited. (See Myles, James R., assignor.)
Imperial Chemical Industries Limited. (See Swallow, J. C., and Perrin, assignors.
Imperial Paper Box Corporation. (See Triolo, Louis, assignor.)
Indiana Steel & Wire Company. (See Kitselman, Harry L., assignor.)
Industrial Patents Corporation. (See Sanders, Marion D., assignor.)
Industrial Rayon Corporation. (See Hillix, Foster F., assignor.)
Industrial Rayon Corporation. (See Kline, H. B., and Jordan, assignors.)
Ingram, Arthur, assignor of one-half to H. J. Fell, London, England. Footwear. 2,204,679; June 18.
Interchemical Corporation. (See Gessler, Albert E., assignor.)
International Cigar Machinery Company. (See Clausen, Sigurd, assignor.)

International Harvester Company. (See Benjamin, Bert R., assignor.
International Harvester Company. (See Booty, Philip C., Jr., assignor.)
International Harvester Company. (See Hodsdon, Floyd G., assignor.)
International Harvester Company. (See Kowalsky, Andrew, assignor.)
International Harvester Company. (See Renno, D. G., and Fields, assignors.)
International Nickel Company, The. (See Gagnebin, Albert P., assignor.)
Irwin, Urth D., Los Angeles, Calif. Roasting rack. 2,205,064; June 18.
Iwaniw, Joseph, New York, N. Y. Machine for making wall strips. 2,205,201; June 18.
J. H. Tool & Machine Works. (See Haller, John, assignor.)
Jackson, George B., Orlando, Fla. Railway track torpedo. 2,205,293; June 18.
Jacobsen, Calie P., Fortuna, Calif. Combination miter gauge and saw guide. 2,205,095; June 18.
Jacuzzi Bros. Inc. (See Jacuzzi, Candido, assignor.)
Jacuzzi, Candido, Berkeley, Calif., assignor to Jacuzzi Bros. Inc. Pumping device. 2,205,121; June 18.
James, Henry D. (See Rugg, W. S., and James.)
James, William H. (See Berger, H. G., James, and Badertscher.)
Jeffrey Manufacturing Company, The. (See Woltz, Earl J., assignor.)
Jenkins, Alexander F., Baltimore, Md. Spray gun. 2,204,599; June 18.
Jenkins, Vance N., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Separating wax from wax-oil mixtures. 2,205,096; June 18.
Jensen, Ole, Chicago, Ill. Fluid control device. 2,204,760; June 18.
Jerguson, Philip A., West Medford, Mass. Boiler water level testing means. 2,205,143; June 18.
Johansson, Ernest G., Watertown, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Meter mounting. 2,205,202; June 18.
Johns, Hiram W., Union City, Ind. Lineman's protective device. 2,205,039; June 18.
Johnsen, Conrad F., Omaha, Neb. Detachable and flexible tension riding rollers. 2,204,934; June 18.
Johnson, Albert, Worthing, S. Dak. Radio control system. 2,205,170; June 18.
Johnson, Alvin L., Ottawa Hills, Ohio, assignor to The American Forging & Socket Company, Pontiac, Mich. Emergency brake lever assembly. 2,204,893; June 18.
Johnson, Andrew L., assignor to The American Forging & Socket Company, Pontiac, Mich. Seat adjusting means. 2,204,894; June 18.
Johnson, Carl A., Springfield, Mass. Boring device. 2,204,860; June 18.
Johnson, Charles R., Glenn Mills, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric blasting initiator. 2,204,994; June 18.
Johnson, J. Claudine, Rockford, Ill. Bathing cap. 2,204,895; June 18.
Johnson, James E. (See Dahlstrom, Arvid, assignor.)
Johnson, James E. (See Goodman, Emil, assignor.)
Johnson, Lawrence C., and C. M. Jorgensen, assignors to Underwood Electric & Mfg. Co., Inc., Chicago, Ill. Trimmer condenser. 2,205,203; June 18.
Johnson, Raymond B., Houston, assignor of three-fourths to J. Kraker, Gladewater, Tex. Wrench. 2,205,294; June 18.
Johnson, Willard. (See Carter, A. S., and Johnson.)
Jordan, Lavern J. (See Kline, H. B., and Jordan.)
Jorgensen, Carther M. (See Johnson, L. C., and Jorgensen.)
Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Coal mining machine. 2,205,012; June 18.
Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Material moving apparatus. 2,205,013; June 18.
Joyce, Percy E., Yokohama, Japan, assignor to Shell Development Company, San Francisco, Calif. Cellulose coating solvent composition. 2,204,963; June 18.
Kabela, Fred, Little Ferry, and G. F. Whiting, assignors to Lowe Paper Company, Ridgefield, N. J. Coating paper. 2,204,600; June 18.
Kacena, John, Chicago, and P. W. Vandenberg, Elmhurst, assignors to Crane Co., Chicago, Ill. Clip supporting means for enclosures. 2,205,360; June 18.
Kain, Simon. (See Kile, E. M., and Kain.)
Kalin, Albert, assignor to Woodward Governor Company, Rockford, Ill. Synchrophasing system. 2,205,264; June 18.
Kalin, Albert, assignor to Woodward Governor Company, Rockford, Ill. Synchrophasing system. 2,205,265; June 18.
Kalter, Harold E., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle post. 2,205,014; June 18.
Kampczyk, Leonard, Hanover-Kirchrode, assignor to Geha Aktiengesellschaft, Hanover, Germany. Fastening matrices in duplicators. 2,204,935; June 18.
Kapian Musical String Co. (See Kaplan, Stanley, assignor.)
Kaplan, Stanley, assignor to Kaplan Musical String Co., Norwalk, Conn. String for musical instruments. 2,205,144; June 18.
Kappenberg, William, Queens Village, assignor to Coffee Products Corporation, New York, N. Y. Coffee processing. 2,204,896; June 18.
Karsberg, Åke. (See Lamm, U., and Karsberg.)
Kasin, Vincent A., Houston, Tex. Salt shaker. 2,205,040; June 18.
Kavanagh, Frank W., V. N. Borsoff, and R. L. Humphreys, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded lubricant. 2,204,601; June 18.
Kearney, Edward J., deceased; E. M. Kearney, A. J. Pitman, and O. W. Carpenter, Jr., executors, and J. B. Armitage, Wauwatosa, assignors, to Kearney & Trecker Corporation, West Allis, Wis. Dividing head. 2,205,361; June 18.
Kearney, Ella M., et al., executors. (See Kearney, E. J., and Armitage.)
Kearney & Trecker Corporation. (See Kearney, E. J., and Armitage, assignors.)
Kempf, Herman H., Brooklyn, and C. L. Woody, Port Jefferson, N. Y. Safety razor. 2,204,680; June 18.
Kilduff, Charles J. (See Peel, F. W., and Kilduff.)
Kile, Eugene M., and S. Kain, assignors to John E. Fast & Company, Chicago, Ill. Condenser winding machine. 2,205,171; June 18.
Kilpatrick, Howard M., New York, N. Y. Check controlled and dispensing turnstile. 2,204,897; June 18.
Kimble Glass Company. (See Anastor, Charles G., assignor.)
King, George E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable voltage motor control. 2,205,204; June 18.
King, Harold S., Asbury Park, N. J. Case for toilet accessories. 2,205,205; June 18.
Kingston Products Corporation. (See Douglas, Harry A., assignor.)
Kinne, Edmund P. (See Pierce, R. C., and Kinne.)
Kircher, Ralph N., assignor to West Bend Aluminum Company, West Bend, Wis. Combination roaster and broiler. 2,204,681; June 18.
Kitselman, Harry L., assignor to Indiana Steel & Wire Company, Muncie, Ind. Wire fence machine. 2,204,602; June 18.
Klemmer, Edward H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Differential protective scheme. 2,205,206; June 18.
Kline, Hayden B., Cleveland, and L. J. Jordan, Fairview Village, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for drying thread or the like. 2,204,603; June 18.
Klinger, Adolph F., Hellertown, Pa., assignor to Edison-Splitdorf Corporation, West Orange, N. J. Glow plug. 2,205,145; June 18.
Knabe, Richard. (See Burkhardt, A., and Knabe.)
Knapp, Archer L., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle antenna. 2,204,861; June 18.
Knapp-Monarch Company. (See Fischer William H., assignor.)
Knös, Gunnar B., and A. Horowitz, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tuning mechanism. 2,205,097; June 18.
Knudstrup, Aksel J. C. (See Robinson, H. R., and Knudstrup.)
Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fan support. 2,204,995; June 18.
Koch, Paul F., Oak Park, Ill., assignor to Chicago Die Casting Manufacturing Company. Fruit juice extractor. 2,204,964; June 18.
Koppers Company. (See Randolph, Spottiswoode W., assignor.)
Korn, Martin P., Buffalo, N. Y. Welded rigid frame subway bent and prefabricated bracket. 2,205,362; June 18.
Kost, Harold W., et al. (See Place, Bion C., assignor.)
Kowalsky, Andrew, Oak Park, Ill., assignor to International Harvester Company. Harvester. 2,204,682; June 18.
Kraker, John. (See Johnson, Raymond B., assignor.)
Kral, Joseph, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener member. 2,205,363; June 18.
Krenzien, Otto, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Berlin, Germany. Amplifying scheme for photo-cathodes. 2,205,207; June 18.
Kriss, Rose, assignor to O. Follender, East Islip, N. Y. Hair curling process. 2,204,936; June 18.
Kübler, Erwin, Berlin-Siemensstadt, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Rectifier system. 2,205,208; June 18.
Kucher, Andrew A. (See Gray, Floyd E., assignor.)
Kunz, Heinrich, and H. Berger, Erlangen, assignor to Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany. Switching device for X-ray work. 2,205,209; June 18.
Laddon, Isaac M. (See Fleet, R. H., Wheatley, and Laddon.)

Lambert, Francis M. (See Metzgar, C. L., and Lambert.)
Lambert, Georges, Lyon, France. Device for the simultaneous sterilization of a nursing bottle and its nipple. 2,204,683; June 18.
Lamkelma, Herman P. (See Musselman, J. M., and Lamkelma, assignors.)
Lamm, Uno, and A. Karsberg, Ludvika, assignors to Allämnna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Forced commutation of current rectifiers or converters. 2,204,805; June 18.
Lamont, John A., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,205,098; June 18.
Land, Edwin H., Boston, Mass., assignor to Polaroid Corporation, Dover, Del. Forming designs in polarizing material. 2,204,604; June 18.
Landsman, Mary S., assignor to The Pufpak Company, Chicago, Ill. Powder puff. 2,204,605; June 18.
Lang, Albert, Berkeley, Calif. Screen retaining latch. 2,204,761; June 18.
Lang, Louis. (See Schlegel, J. W., and Lang.)
Lange, Morris, Cleveland Heights, Ohio, assignor to Superior Funeral Supply Corp. Collapsible catafalque. 2,205,295; June 18.
Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,205,041; June 18.
Larkin, William J., Jr., assignor to National Company Inc., Malden, Mass. Radio and like socket. 2,205,146; June 18.
Larrecq, Anthony J., Beach Bluff, Mass., assignor to General Electric Company. Heat exchange apparatus. 2,205,266; June 18.
Larrison, Arthur W., San Francisco, Calif. Venetian blind. 2,204,937; June 18.
Latour, Theodore R., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Candy wrapper. 2,205,210; June 18.
Layson, William G., Jr. (See Stevens, F. J., and Layson.)
Leafe, Carl L., Hamilton, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Pulpstone. 2,205,296; June 18.
Le Beau, Ernest A., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake gear structure. 2,205,211; June 18.
Lebedeff, Yurii E. (See Betterton, J. O., and Lebedeff.)
Le Bleu, Charles, Los Angeles, Calif. Tandem disk earth-working implement. 2,204,684; June 18.
Le Bus, George F., Longview, Tex. Cable and rope winding device. 2,204,938; June 18.
Le Croy, Sylvester A., Baton Rouge, La., assignor to Standard Oil Development Company. Purification of gases. 2,205,122; June 18.
Lee, Harold E., and B. R. Muir, assignors to Bunker Hill & Sullivan Mining & Concentrating Company, Kellogg, Idaho. Process for the precipitation of materials from solution. 2,204,898; June 18.
Lee, Marvin, Rye, N. Y., assignor to Burndy Engineering Co. Inc. Vise type electrical connector. 2,204,899; June 18.
Leech, Thomas B., Narberth, assignor to Alcorn Combustion Company, Philadelphia, Pa. Vapor-phase treatment of petroleum. 2,204,685; June 18.
Lehman, Louis H., Philadelphia, Pa. Mounting for mirrors. 2,204,862; June 18.
Leitz, Ernst, G. m. b. H. (See Stein, Willi, assignor.)
Lemle, Fritz. (See von Nessen, W., and Lemle.)
Lenher, Samuel, and L. B. Arnold, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Softening of textile materials and compositions therefor. 2,205,042; June 18.
Lentz, John R., Philadelphia, Pa. Shoe rack. 2,205,099; June 18.
Lenz, Kurt, Berlin-Lichterfelde, Germany, assignor to General Electric Company. X-ray tube. 2,205,297; June 18.
Lesser, Solomon, New York, N. Y. Automatic four door lock for automobiles. 2,205,212; June 18.
Lessmann, Gerhard P., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tension device for wire drawing benches. 2,205,213; June 18.
Lessmann, Gerhard P. (See Davis, F. R. J., and Lessmann.)
Leukert, Wilhelm, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,205,214; June 18.
Levesque, Arthur H., North Attleboro, assignor to R. F. Simmons Company, Attleboro, Mass. Jewelry clasp or connector. 2,205,215; June 18.
Lewis, Harry C. (See Campbell, Henry L., assignor.)
Libbey-Owens-Ford Glass Company. (See Hamann, H. J., and Williams, assignors.)
Libbey-Owens-Ford Glass Company. (See Lowry, C. D., and Spahn, assignors.)
Libbey-Owens-Ford Glass Company. (See Ryan, Joseph D., assignor.)
Libbey-Owens-Ford Glass Company. (See Walters, Emmett L., assignor.)
Lichtenberger, Bertrand, et al. (See Hester, John C., assignor.)
Lichty, Joy G., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,205,100; June 18.
Lichty, Joy G., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,205,101; June 18.
Lick, Alton W. (See Becht, Howell M., assignor.)
Lieberknecht, Karl, Inc. (See Spindler, Kurt P., assignor.)
Lindner, Herbert. (See Möller, Georg, assignor.)
Lindner, Theodor, New York, N. Y. Money rack. 2,205,298; June 18.
Little, Thomas J., Jr., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Leg construction. 2,204,686; June 18.
Little, William F., Yonkers, assignor to Electrical Testing Laboratories, New York, N. Y. Lighting fixture. 2,204,687; June 18.
Lookofsky, Walter, Mayfield, Ky. Apparatus for half-soling shoes. 2,204,965; June 18.
Lorenz, Irvin H. (See Lorenz, John D., W. J., and I. H.)
Lorenz, John D., W. J., and I. H., Arlington, Calif. Foldable brush or squeegee. 2,204,806; June 18.
Lorenz, Wallace J. (See Lorenz, John D., W. J., and I. H.)
Loudenslager, Oscar W., Akron, and L. H. Donnell, Cuyahoga Falls, assignors to Goodyear-Zeppelin Corporation, Akron, Ohio. Model test piece. 2,205,102; June 18.
Loughery, Joseph F., Philadelphia, Pa., assignor to The Duo Color Printing Press Company. Multicolor printing press. 2,205,216; June 18.
Lowe Paper Company. (See Kabela, F., and Whiting, assignors.)
Lowman, John C. (See Hyatt, C. S., and Lowman.)
Lowrie, Virgil. (See Allison, Douglas, assignor.)
Lowry, Clyde D., and P. E. Spahn, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Awning enclosure. 2,205,015; June 18.
Lowry, Le Roy D., Detroit, Mich. Apparatus for cleaning coils. 2,204,900; June 18.
Lubri-Zol Development Corporation, The. (See Prutton, C. F., and Smith, assignors.)
Lucas, Johnathan, Savannah, Ga. Loom. 2,204,606; June 18.
Ludwig, H. L., and Son, Inc. (See Martin, Charles H., assignor.)
Lupfer, Robert N., assignor The Springfield Leather Products Company, Springfield, Ohio. Billfold. 2,205,267; June 18.
Lyons, Carleton R., Elmore, Minn. Combination electrical cord reel and outlet plug. 2,204,939; June 18.
Macdonald, Murdock, Cleveland Heights, Ohio. Autographic register. 2,205,016; June 18.
Macdonald, Waldron S., and W. W. Frymoyer, assignors to The Foxboro Company, Foxboro, Mass. Measuring and recording instrument. 2,205,299; June 18.
Madsen, Carl A., assignor of one-tenth to G. R. Baird, eight-tenths to J. Madsen, San Diego, and one-tenth to R. T. Galatas, Long Beach, Calif. Mixing device. 2,205,147; June 18.
Madsen, Jens, et al. (See Madsen, Carl A., assignor.)
Magee-Marsh Corporation. (See Marsh, John W., assignor.)
Mahnken, Werner, Blankenfelde, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tuning control system for radio receivers. 2,205,103; June 18.
Mainard, Gordon D., Mattoon, Ill. Leaf spring. 2,204,940; June 18.
Malcom, Robert. (See Whipple, Willis A., assignor.)
Mallet, Fred J. (See von Nessen, W., and Lemle, assignors.)
Malter, Louis. (See Zworykin, V. K., and Malter.)
Manhattan Company, Bank of The, trustee. (See Brogden, Ernest M., assignor.)
Marion Metal Products Company, The. (See Brady, James R., assignor.)
Marks, Morris M. (See Eisenberg, Tobias, assignor.)
Marsack, Max, assignor to Marsack Patents Corporation, Milwaukee, Wis. Mattress. 2,204,863; June 18.
Marsack Patents Corporation. (See Marsack, Max, assignor.)
Marsh, John W., Alexandria, Va., assignor to Magee-Marsh Corporation. Power transmission. 2,205,300; June 18.
Marthis, Edith. (See Wittigschlager, Wilhelmina, assignor.)
Martin, Charles H., Argos, Ind., assignor of one-half to H. L. Ludwig and Son, Inc. Detachable vehicle wheel. 2,205,301; June 18.
Maskow, Abe. (See Apfelbaum, Herman, assignor.)
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,204,762; June 18.
Matheu, James M., Queens Village, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe sewing machine. 2,204,901; June 18.
Matthies, William H. (See Carpenter, W. W., and Matthies.)
Maximilian, Octavian, Pittsburgh, Pa. Envelope opener. 2,204,763; June 18.
May & Baker, Limited. (See Ewins, A. J., and Ashley, assignors.)

May, William H., assignor of one-half to M. J. Wilson, Los Angeles, Calif. Motor vehicle theft prevention device. 2,205,104; June 18.
Maynard, Arthur H. (See Davis, E. W., and Maynard.)
Mayo, Rutledge R., New York, N. Y., assignor to one-half to A. L. Stover, Bradford, Pa. Thermometer attachment for fountain syringe bags or similar containers. 2,204,764; June 18.
Mayotte, Frank E., Adams, Mass. Electric die threader. 2,205,148; June 18.
McCarthy, Lawrence J. (See Callaghan, A. J., and McCarthy.)
McClung, Charles W., El Dorado, and P. Ransom, Shingle Springs, Calif. Protective visor for industrial hats. 2,204,688; June 18.
McCormack, Denis. (See Chappell, R. R., Colt, and McCormack.)
McCune, Joseph C., Edgewood, and G. K. Newell, near Pitcairn, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,204,807; June 18.
McDaniels, Shryock P., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Container. 2,204,765; June 18.
McDonald, John U., Clinton, Mo. Producing gas. 2,204,902; June 18.
McKittrick, Donald S., Oakland, assignor to Shell Development Company, San Francisco, Calif. Desulphurizing mineral oils. 2,204,903; June 18.
McLean, Robert W., Bridgewater, Mass., assignor to The Murray Company, Dallas, Tex. Lint treating device. 2,205,017; June 18.
McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and coloring therewith. 2,204,607; June 18.
McNally, James G., and R. H. Van Dyke, assignors to Eastman Kodak Company, Rochester, N. Y. Subbing photographic film. 2,204,608; June 18.
McNeal, Donald L., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmering, Pa. Magnet valve device. 2,204,808; June 18.
McWane Cast Iron Pipe Co. (See Floyd, Henry G., assignor.)
Mead, Charles H., Beckley, W. Va. Scotch for mine cars. 2,204,941; June 18.
Mead, Ezra B., assignor to Hardsocg Wonder Drill Co., Ottumwa, Iowa. Rock drill. 2,204,942; June 18.
Mercer, Walter F., Satanta, Kans. Generator drive. 2,204,943; June 18.
Metzgar, Clarence L., Media, and F. M. Lambert, Narberth, Pa. Ventilator. 2,205,123; June 18.
Mican, George S., R. H. Steinberg, and S. F. Urban, Chicago, Ill. Iron oxide briquette. 2,205,043; June 18.
Michaels, Maurice A. (See Timmis, W. W., and Michaels.)
Michaelsen, Ernest H., Quincy, Mass. Shutter for motion picture projectors. 2,204,864; June 18.
Michalek, Carl, Riverside, Ill. Pad for wind instrument keys. 2,204,766; June 18.
Micro Switch Corporation. (See Riche, Arthur L., assignor.)
Mikeska, Louis A., Elizabeth, N. J., assignor to Standard Oil Development Company. Improving lubricating oil 2,204,609; June 18.
Miller Company, The. (See Gould, James, Jr., assignor.)
Miller, Helene S. (See (Miller, J. A., assignor), and Waller.)
Miller, Hoke S., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of chlorine. 2,204,733; June 18.
Miller, James S., and C. R. Waller; said Miller assignor to H. S. Miller, Trenton, N. J. Method and means for use in dentistry. 2,204,809; June 18.
Miller, Michael J., Ashtabula, Ohio, assignors to The Dun-Mil Products, Inc., Painesville, Ohio. Ash tray. 2,205,377; June 18.
Miller, Ralph. (See Hixson, A. W., and Miller.)
Miller, Stephen J., Danbury, Conn. Flexible ironing device. 2,204,996; June 18.
Millers Falls Company. (See Parsons, William J., assignor.)
Mills, Robert, Kew Gardens, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,204,810; June 18.
Mine and Smelter Supply Company, The. (See Adams, James A., assignor.)
Miner, W. H., Inc. (See Dwyer, William M., assignor.)
Minich, Verne E., and G. N. Grove, assignors to The American Foundry Equipment Company, Mishawaka Ind. Abrasive equipment. 2,204,610; June 18.
Minich, Verne E., Scarsdale, N. Y., and G. N. Grove assignors to The American Foundry Equipment Company, Mishawaka, Ind. Abrasive equipment. 2,204,611; June 18.
Minneapolis-Honeywell Regulator Company. (See Pond, Bertram P., assignor.)
Minneapolis-Honeywell Regulator Company. (See Smith, Frederic H., assignor.)
Mission Manufacturing Company. (See Sharp, Dudley C., assignor.)
Mitchell, John R., Dallas, Tex., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Automatic phonograph. 2,205,268; June 18.
Molby, Richard V., et al. (See Russell, R. L., and Molby.)
Möller, Georg, Berlin-Neukoelin, assignor to Herbert Lindner, Berlin-Wittenau, Germany. Centering means for drilling machine spindles. 2,204,811; June 18.
Moloney, Raymond T. (See Durant, Lyndon A., assignor.)
Mondloch, Benedict J. (See Cuddigan, B. O., and Mondloch.)
Monopower Corporation. (See Tyler, Tracy B., assignor.)
Monsanto Chemical Company. (See Sibley, Robert L., assignor.)
Moore, Dewey L., and B. O. Morrow, Chester, S. C. Loom letoff. 2,205,149; June 18.
Moore, Ernest, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Mechanism for supplying fastenings. 2,204,689; June 18.
Moore, George E., assignor to The Aetna Standard Engineering Company, Youngstown, Ohio. Hold-down mechanism. 2,204,904; June 18.
Moore, Marjorie B. (See Volwiler, E. H., and Moore.)
Moore, Samuel D., Cleveland, Ohio. Safety step tread. 2,205,044; June 18.
Morgan, John D., South Orange, N. J., and A. P. Sullivan, Jackson Heights, N. Y., assignors to Power Patents Company, Hillside, N. J. Gas analysing apparatus. 2,204,966; June 18.
Morgan, John S., Jr., Manhattan Beach, and J. D. Spalding, Los Angeles, Calif., assignors, by mesne assignments, to The National Supply Company, Pittsburgh, Pa. Rotary machine. 2,205,269; June 18.
Morgenstern, Morris, Brooklyn, N. Y. Slip cover for kitchen chair pads. 2,205,302; June 18.
Morrill, Myron C., South Plainfield, N. J. Game apparatus. 2,205,217; June 18.
Morrill, Myron C., South Plainfield, N. J. Game apparatus. 2,205,218; June 18.
Morrow, Ben O. (See Moore, Dewey L., and Morrow.)
Morse Chain Company. (See Schappi, John, assignor.)
Moser, Franz R., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Lowering the pour points of mineral oils. 2,204,967; June 18.
Moss, Samuel H. (See Nekton, Herman T., assignor.)
Mountjoy, Garrard. (See Anderson, E. I., and Mountjoy.)
Mueller, Erich O., Irwin, and D. B. Charters, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Railway motor frame. 2,205,219; June 18.
Muir, Barton R. (See Lee, H. E., and Muir.)
Munsell, William P., Coral Gables, Fla. Flowerpot for water-cultured plants. 2,205,303; June 18.
Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Forming metallic containers. 2,204,549; June 18.
Murphy, John E., et al. (See Cuddigan, B. O., and Mondloch, assignors.)
Murray Company, The. (See McLean, Robert W., assignor.)
Murray, John D., assignor to The Murray Liquafilm Corporation, Chicago, Ill. Coating. 2,204,550; June 18.
Murray Liquafilm Corporation, The. (See Murray, John D., assignor.)
Musher Foundation Incorportated. (See Musher, Sidney, assignor.)
Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Sized paper. 2,204,612; June 18.
Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Composition of matter and using same. 2,204,812; June 18.
Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Desulphurization of iron and steel. 2,204,813; June 18.
Musselman, John M., and H. P. Lankelma, assignors to The Standard Oil Company, Cleveland, Ohio. Preparation of lubricants. 2,205,172; June 18.
Mutter, Fritz, assignor to Actiengeselischaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Device for regulating the feed to machines for treating fibrous material. 2,205,304; June 18.
Myles, James R., Cheshire, England, assignor to Imperial Chemical Industries Limited. Preparation of acylated 3-hydroxy-bis-norcholenic acids. 2,205,045; June 18.
N. D. Q. Specialty Corporation. (See Schrell, Paul E., assignor.)
Naftali, Henry, et al. (See Naftali, Valentine, assignor.)
Naftali, Rudolf, et al. (See Naftali, Valentine, assignor.)
Naftali, Valentine, assignor of thirty-three and one-third to R. Naftali, Palham Manor, and thirty-three and one-third to H. Naftali, New York, N. Y. Necktie. 2,205,105; June 18.
Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Hydraulic actuating means. 2,205,046; June 18.
Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Internal combustion engine. 2,205,047; June 18.
Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine. 2,204,944; June 18.
National Cash Register Company, The. (See Eickman, Willis E., assignor.)

National Company. (See Larkin, William J., Jr., assignor.)
National Malleable and Steel Castings Company. (See Wittmer, Russell J., assignor.)
National Radiator Corporation. (See Holmes, C. H., and Geis, assignors.)
National Sugar Refining Company. (See Schlegel, J. W., and Lang, assignors.)
National Supply Company, The. (See Frame, William M., assignor.)
National Supply Company, The. (See Morgan, J. S., Jr., and Spalding, assignors.)
Neal, Jack L., et al. (See Wells, Latinus A., assignor.)
Neal, Vincent L., et al. (See Bowles, Carl E., assignor.)
Nekton, Herman T., West Hempstead, Long Island, assignor to Samuel H. Moss, New York, N. Y. Making matrices. 2,204,905; June 18.
Nelson, Rudolph S., and A. D. Siedle, assignors to The Hoover Company, North Canton, Ohio. Heat exchanger. 2,204,613; June 18.
Nelson, Rudolph S., Larchmont, N. Y., and A. D. Siedle, Canton, assignors to The Hoover Company, North Canton, Ohio. Making a heat exchanger. 2,204,614; June 18.
Neunuebel, Edward C. (See Gruensfelder, R., and Neunuebel.)
Neville Company, The. (See Rivkin, J., and Scheib.)
Newberry, John T., Memphis, Tenn. Check valve. 2,205,150; June 18.
Newcomb, Maron W., Glen Ellyn, Ill. Adjustable link. 2,205,065; June 18.
Newell, George K. (See McCune, J. C., and Newell.)
Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid compressor. 2,204,814; June 18.
Newell, George K., Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load brake apparatus. 2,204,815; June 18.
Newhouse, Walter F., Benton Harbor, Mich. Cover fastener. 2,204,865; June 18.
Newsom, John B., Nevada City, assignor to Idaho Maryland Mines Corporation, San Francisco, Calif. Sinking a shaft. 2,204,906; June 18.
Niederreither, Hans, Munich, Germany. Safety structure for high pressure apparatus. 2,204,816; June 18.
Nissen, Hans F. (See Eggert, J., and Nissen.)
Nivling, Walter A., Newton, Mass. Making soluble starch. 2,204,615; June 18.
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company, Houston, Tex. Flowing wells. 2,204,817; June 18.
Nixon Nitration Works. (See Bonham, William H., assignor.)
North American Rayon Corporation. (See Stoeckly, Johann J., assignor.)
Northon, Louis I., Washington, D. C. Prevention of reverse flow in water supply systems. 2,205,305; June 18.
Norton Company. (See Leafe, Carl L., assignor.)
Nuyts, Georges A. H., Nanterre, France, assignor to United States Envelope Company, Worcester, Mass. Quick opening envelope. 2,204,690; June 18.
O'Brien, Charles F., Hollis, N. Y. Camera. 2,204,819; June 18.
Oberhoffken, Alexander, Southfield Township, Oakland County, assignor to American Forging and Socket Company, Pontiac, Mich. Operating handle. 2,204,907; June 18.
Obermayr, Rudolph, Astoria, N. Y. Panel construction. 2,204,818; June 18.
Offill, Donald, et al. (See Bragg, Dillon C., assignor.)
Ogden, Jacob W., Springdale, assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn. Printing die protection means. 2,204,968; June 18.
Ohio Cultivator Company, The. (See Russell, Stanley, assignor.)
Oliver United Filters Incorporated. (See Culver, Edwin S., assignor.)
Olshevsky, Dimitry E., assignor to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 2,205,306; June 18.
Olson, Buford W. (See Erickson, L. E., and Olson.)
Olson, Chas., & Sons, Incorporated. (See Erickson, L. E., and Olson, assignors.)
Olsen, Kolbjorn, Brooklyn, N. Y. Antiglare visor. 2,204,691; June 18.
Olson, Phillip W., Grand Rapids, Mich., assignor, by mesne assignments, to Arnold, Schwinn & Company, Inc., Chicago, Ill. Bicycle lock. 2,204,908; June 18.
Ostruk, Paul, New York, N. Y. Combination lifting jack and wheel locking arrangement for automobiles or like vehicles. 2,204,997; June 18.
Osuch, Francis J., Grosse Pointe, Mich. Combination sink and tub. 2,205,018; June 18.
Othmer, Donald F., Brooklyn, N. Y., assignor to Tennessee Eastman Corporation, Kingsport, Tenn. Dehydration of acetic acid and other lower fatty acids. 2,204,616; June 18.
Outboard, Marine & Manufacturing Company. (See Conover, Warren C., assignor.)
Oxweld Acetylene Company. (See Hasse, F. C., and Young, assignors.)
Packard Motor Car Company. (See Knapp, Archer L., assignor.)
Palmgren, Philip, Los Angeles, Calif. Automobile turning signal. 2,205,048; June 18.
Parisio, Raymond P., Oakland, Calif. Fishing rod holder. 2,204,692; June 18.
Parker, Robert B., Claremont, N. H., assignor to Sullivan Machinery Company. Milling machine. 2,204,945; June 18.
Parker, Robert B., Claremont, N. H., assignor to Sullivan Machinery Company. Milling machine. 2,204,946; June 18.
Parks, Dennis, St. Louis, Mo. Detecting mechanism for sole grading machines. 2,204,820; June 18.
Parrish, Willard E., Syracuse, N. Y. Threading tool. 2,204,866; June 18.
Parsons, Fred A., assignor to The Falk Corporation, Milwaukee, Wis. Transmission and control mechanism. 2,204,693; June 18.
Parsons, Hugh L., Pen Argyl, Pa. Roofing. 2,205,307; June 18.
Parsons, William J., Millers Falls, assignor to Millers Falls Company, Greenfield, Mass. Miter box. 2,205,019; June 18.
Partin, Albert, Portales, N. Mex. Trailer hitch. 2,205,151; June 18.
Pascuzzi, Vincent, and F. Cavallaro, Brooklyn, N. Y. Window. 2,204,909; June 18.
Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes". (See Steenbeck, Max, assignor.)
Paterson, John C., Peterborough, England, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Machine for arranging and stacking biscuits or the like. 2,205,106; June 18.
Pathé Cinema Anciens Établissements Pathé Frères. (See Cazes, Paul G., assignor.)
Pathé Cinema Anciens Établissements Pathé Frères. (See Pierron, N., and Aubry, assignors.)
Pavlovic, Joseph, Jr., Dillonvale, Ohio. Combined inventory and price tag holder. 2,204,767; June 18.
Pearson, Willie T., Jackson, Miss. Bottle opener. 2,205,152; June 18.
Peck, William W., Auburn, Ind. Stoker drive. 2,204,768; June 18.
Peebles, Joseph B. (See Brown, D., Peebles, and Burchfiel.)
Peel, Frederick W., Severna Park, and C. J. Kilduff, Baltimore, Md. Method and apparatus for internally electrically heating expanding rubber. 2,204,617; June 18.
Peik, Louis D., Mishawaka, Ind., assignor to The American Foundry Equipment Company, New York, N. Y. Direct impulse sandblast system. 2,204,618; June 18.
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Pennsylvania Patents, Inc. (See Barton, Loy E., assignor.)
Percy, Joseph H., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Separation of organic sulphonates. 2,204,969; June 18.
Perrin, Michael W. (See Swallow, J. C., and Perrin.)
Perry, Murle, Minneapolis, Minn. Colostomy cup. 2,205,270; June 18.
Peru Radio Laboratories, Inc. (See Smith, Howard H., assignor.)
Peterson, Harold A., Scotia, N. Y., assignor to General Electric Company. Testing of electrical circuits. 2,205,173; June 18.
Peterson, William R. (See Hartman, C. H., and Peterson.)
Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,205,364; June 18.
Phillips Petroleum Company. (See Crites, Wilbur J., assignor.)
Piehl, Charles T., Batavia, N. Y. Pot type oil burning space heater. 2,204,694; June 18.
Pier, Mathias, Heidelberg, and E. Anthes, Ludwigshafen-on-the-Rhine, assignor, by mesne assignments, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of shaped catalysts. 2,204,619; June 18.
Pierce, Raymond C., Chicago, Ill., and E. P. Kinne, Alliance, Ohio, assignors, by mesne assignments, to said Pierce. Draft gear. 2,205,066; June 18.
Pierron, Noël, Clichy, and P. Aubry, assignors to Pathé Cinema, Anciens Établissements Pathé Frères, Paris, France. Electric arc. 2,205,067; June 18.
Pintsch, Julius K.-G. (See Schenider, Hermann, assignor.)
Piper, John, assignor of one-fourth to A. Cohen and one-half to M. Cohen, Uniontown, Pa. Safety coupling. 2,205,153; June 18.
Pirani, Marcello, Wembley, England, assignor to General Electric Company. Electrical resistor. 2,205,308; June 18.
Pitman, Albert J., et al., executors. (See Kearney, E. J., and Armitage.)
Pitney-Bowes Postage Meter Co. (See Ogden, Jacob W., assignor.)
Pitney-Bowes Postage Meter Co. (See Rouan, F. J., and Prior, assignors.)
Pitney-Bowes Postage Meter Co. (See Rouan, F. J., and Sorgatz, assignors.)

Pittsburgh Plate Glass Company. (See Muskat, Irving E., assignor.)
Pittsburgh Plate Glass Company. (See Sherrill, Alvan C., assignor.)
Place, Bion C., assignor of one-third to H. W. Kost and one-third to E. J. Cloutier, Detroit, Mich. Automobile door and making the same. 2,204,551; June 18.
Pleiss, Walter H., Ludington, Mich. Tree holder. 2,205,271; June 18.
Polaroid Corporation. (See Land, Edwin H., assignor.)
Pollak, Joseph, Corporation, et al. (See Hasselbaum, Oscar H., assignor.)
Pond, Bertram P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switch casing. 2,204,695; June 18.
Pond, Roscoe V., Tucson, Ariz. Fuse plug and receptacle base therefor. 2,204,948; June 18.
Posthumus, Klaas, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Directional antenna system. 2,205,174; June 18.
Potter, Albert T., assignor to Ainsworth Manufacturing Company, Detroit, Mich. Windshield frame. 2,204,769; June 18.
Potter, Earl C., Chicago, Ill., assignor to Fels & Company. Carton. 2,205,068; June 18.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Remotely controlled radio receiving system. 2,205,272; June 18.
Power Patents Company. (See Morgan, J. D., and Sullivan, assignors.)
Pratt-Low Preserving Company. (See Dotta, Louis, assignor.)
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for stowing rock in a coal mine. 2,205,124; June 18.
Priddy, Laurence H., Cullison, Kans. Dispensing container for pills and the like. 2,204,821; June 18.
Prior, Harry L. (See Rouan, F. J., and Prior.)
Proudley, John H., Jr. (See Rupp, Kenneth A., assignor.)
Prutton, Carl F., Cleveland, and A. K. Smith, Shaker Heights, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,204,620; June 18.
Pufpak Company, The. (See Landsman, Mary S., assignor.)
Pullman Company, The. (See Crawford, David A., assignor.)
Pyrene Manufacturing Company. (See Ferguson, George E., assignor.)
Quillin, Leland O., and R. L. Cook, Matoaka, W. Va. Bridge table. 2,204,822; June 18.
Rader, Jennie C., administratrix. (See Rader, Lyell M.)
Rader, Lyell M., deceased, by J. C. Rader, administratrix, Burlington, N. C., assignor to Chemical Extraction Corporation, Elkton, Ky. Recovery of organic acids and other substances from a tobacco extract. 2,204,621; June 18.
Radey, Charles R., Michigan City, Ind. Adjustable tie down. 2,205,273; June 18.
Radio Corporation of America. (See Anderson, E. I., and Mountjoy, assignors.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Franklin, Charles S., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Holmes, Ralph S., assignor.)
Radio Corporation of America. (See Knös, G. R., and Horowitz, assignors.)
Radio Corporation of America. (See Posthumus, Klaas, assignor.)
Radio Corporation of America. (See Rust, Nöel M., assignor.)
Radio Corporation of America. (See Rust, N. M., and Brett, assignors.)
Radio Corporation of America. (See van Slooten, Jacob, assignor.)
Radio Corporation of America. (See Zworykin, V. K., and Malter, assignors.)
Randolph, Alfred A., San Francisco, Calif. Refrigerator odor absorbent. 2,204,910; June 18.
Randolph, Oliver W., Toledo, Ohio. Transit treating of material. 2,205,175; June 18.
Randolph, Spottiswoode W., assignor to Koppers Company, Baltimore, Md. Hot metal car. 2,205,154; June 18.
Rankin, Robert E., Avalon, Pa., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,204,770; June 18.
Ransom, Paul. (See McClung, C. W., and Ransom.)
Rastetter, William C., Fort Wayne, Ind. Extension table. 2,205,274; June 18.
Ratié, Paulin J. P., Montrouge, Seine, France. Machine for manufacturing propeller blades by copying. 2,204,696; June 18.
Rauch, Hans. (See Grimm, O., and Rauch.)
Reed, Milton R., assignor of one-half to D. J. Sanchez, Baton Rouge, La. Circular spreader. 2,205,155; June 18.
Rehback, Charles W., Orcutt, Calif. Foot operated flusher for toilets or the like. 2,204,867; June 18.
Reid, James S., Cleveland, Ohio, assignor to Rubatex Products, Inc., New York, N. Y. Manufacturing windlace cord. 2,204,622; June 18.
Remington Arms Company. (See Brün, Willi, assignor.)
Renno, Donald G., and C. J. Fields, Fort Wayne, Ind., assignors to International Harvester Company. Vehicle body. 2,204,697; June 18.
Rhodes, George I., Glen Ridge, N. J. Composite electrode for protecting buried metallic structures from corrosion. 2,204,823; June 18.
Rice, Owen R., and W. C. Schofield, assignors to Freyn Engineering Company, Chicago, Ill. Gas washing means. 2,204,771; June 18.
Riche, Arthur L., assignor to Micro Switch Corporation, Freeport, Ill. Control system for a plurality of motors. 2,204,949; June 18.
Richter, Rudolf M., Brooklyn, N. Y. Time study device. 2,204,911; June 18.
Ricket, Harold N. (See Berger, R., and Ricket.)
Riebel, Frederick, Jr., and I. F. Flatz, assignors to Airway Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,204,912; June 18.
Ringle, Caleb, Jersey City, N. J. Assembled structure. 2,205,275; June 18.
Rinot, Roger G., Paris, France. Starter. 2,204,698; June 18.
Rintelman, William L. (See Wuertz, A. J., and Rintelman.)
Rintelman, William L., Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuff intermediates of the anthraquinone series. 2,204,970; June 18.
Riordan, Edward J., assignor to Aron Electricity Meter Limited, London, England. Calibrating electricity meters or like electrical measuring instruments. 2,205,309; June 18.
Rivkin, Joseph, Pittsburgh, and R. C. Scheib, Avalon, assignors to The Neville Company, Pittsburgh, Pa. Plastic material. 2,204,772; June 18.
Rivkin, Joseph, Pittsburgh, and R. C. Scheib, Avalon, assignors to The Neville Company, Pittsburgh, Pa. Mastic floor tile. 2,204,773; June 18.
Robertson, Paul E., North Hollywood, Calif. Cooking utensil. 2,204,699; June 18.
Robie, Norman P., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 2,205,276; June 18.
Robinson, E. S., & A., Limited. (See Fowerker, Thomas S., assignor.)
Robinson, Hanson, Wayne, Pa. Toy or display device. 2,204,700; June 18.
Robinson, Hanson, Wayne, Pa. Toy multitone siren. 2,204,701; June 18.
Robinson, Hilyard R., Washington, D. C., and A. J. C. Knudstrup, Vienna, Va. Combined direct and indirect light and lighting system. 2,205,310; June 18.
Rock, John P., Duluth, Minn. Collapsible luggage carrier. 2,204,824; June 18.
Röhm & Haas Company. (See Bock, Louis H., assignor.)
Röhm & Haas Company. (See Grimm, O., and Rauch, assignors.)
Rohn, Wilhelm, Hanau, Germany. Bearing. 2,205,049; June 18.
Romaine, Millard, A. H. Hawley, and H. Horlacher, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Broaching machine. 2,205,277; June 18.
Rome Specialty Company, Inc. (See Spriggs, E. L., and Butts, assignors.)
Rose, William G., Springfield Township, Hamilton County, Ohio. Poison holder for rodents. 2,205,125; June 18.
Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Motor fuel composition. 2,205,107; June 18.
Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Plastic compositions. 2,205,108; June 18.
Rossi, Pietro A., Youngstown, Ohio. Dough rolling and cutting device. 2,204,825; June 18.
Rouan, Francis J., Stamford, and H. L. Prior, Springdale, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Tape control device. 2,204,972; June 18.
Rouan, Francis J., and E. H. Sorgatz, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Disappearing printing die control. 2,204,971; June 18.
Rouse, Horace F. M., Johannesburg, Transvaal, South Africa. Air-line lubricator. 2,204,950; June 18.
Rowley, William A., Tampa, Fla. Burglarproof blind. 2,205,156; June 18.
Rubatex Products, Inc. (See Reid, James S., assignor.)
Ruben, Samuel, New Rochelle, N. Y. Variable resistor. 2,204,623; June 18.
Ruddle, Allan B., San Francisco, Calif. Molded product. 2,204,913; June 18.
Rugg, Walter S., Pittsburgh, and H. D. James, Edgewood, Pa. Building. 2,205,109; June 18.
Rupp, Kenneth A., assignor of one-tenth to J. H. Proudley, Jr., Pittsburgh, Pa. Massage table. 2,204,624; June 18.
Rusch, Hugo L., Crestwood, N. Y. Motor. 2,204,774; June 18.

Russell, Robert L., and R. V. Molby, Detroit, assignors of one-third to W. B. Russell, Birmingham, Mich. Elapsed time indicator. 2,204,868; June 18.

Russell, Stanley, Racine, Wis., assignor, by mesne assignments, to The Ohio Cultivator Company. Baling machine feeder. 2,205,278; June 18.

Russell, Wilford B., et al. (See Russell, R. L., and Molby, assignors.)

Rust, Noël M., Chelmsford, England, assignor to Radio Corporation of America. Piezoelectric crystal filter with inductive shunt. 2,204,702; Mar. 18.

Rust, Noël M., and G. F. Brett, Chelmsford, London, England, assignor to Radio Corporation of America. Thermionic valve and circuit. 2,205,069; June 18.

Ryan, Harry S., and W. C. Batt, York, Pa. Water eliminator. 2,204,998; June 18.

Ryan, Joseph D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Plastic for laminated safety glass. 2,205,020; June 18.

Sabatello, Albert, Brooklyn, N. Y. Template construction for pipe installations. 2,205,311; June 18.

St. Regis Paper Company. (See Hartman, C. H., and Peterson, assignors.)

Sanchez, Dewey J. (See Reed, Milton R., assignor.)

Sanders, Marion D., assignor to Industrial Patents Corporation, Chicago, Ill. Treatment of wastes. 2,204,703; June 18.

Sarnecky, Michael J., Edwardsville, Pa. Picking tool. 2,204,734; June 18.

Sato, Katsuyasu, Musashino-Machi, Kita Tama-Gun, Tokyo-Fu, Japan. Water ski and boat. 2,205,050; June 18.

Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Power transmitter. 2,205,176; June 18.

Schaefer, John, et al. (See Cuddigan, B. O., and Mondloch, assignors.)

Schaelchlin, Walter, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Liquid rheostat and slip regulator. 2,205,220; June 18.

Schappi, John, assignor to Morse Chain Company, Ithaca, N. Y. Immersion apparatus. 2,204,775; June 18.

Scheib, Robert C. (See Rivkin, J., and Scheib.)

Schenck, John F., Jr., Shelby, N. C. Method and means for winding. 2,204,869; June 18.

Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Peabody, Mass. Staking machine. 2,204,625; June 18.

Schifrin, Moses J., Brooklyn, N. Y. Decorative material. 2,204,776; June 18.

Schiegel, John W., East Orange, N. J., and L. Lang, New York, N. Y., assignors to The National Sugar Refining Company. Sugar granule manufacture. 2,205,177; June 18.

Schleimann, Jensen, Arne, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Superheterodyne receiver. 2,205,359; June 18.

Schmidt, Albert E., Omaha, Nebr., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Mowing implement. 2,204,914; June 18.

Schmitt, Arthur J., Chicago, Ill. Combined socket and mounting plate. 2,205,061; June 18.

Schneider, Hermann, Berlin-Neukolln, assignor of one-half to Julius Pintsch K.-G., Berlin, Germany. Grinding tool. 2,204,826; June 18.

Schoeller, Conrad. (See Schuette, H., Schoeller, and Wittwer.)

Schofield, Wilfred C. (See Rice, O. R., and Schofield.)

Schreiber, Armin L., Altadena, assignor to Vernon Potteries, Ltd., Los Angeles, Calif. Pottery loading device. 2,205,178; June 18.

Schrell, Paul E., assignor to N. D. O. Specialty Corporation, Brooklyn, N. Y. Carton. 2,205,157; June 18.

Schuette, Hermann, Mannheim, and C. Schoeller and M. Wittwer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of condensation products. 2,205,021; June 18.

Schultz, Harold E., Niagara Falls, N. Y. Photographic filter magazine. 2,205,179; June 18.

Schumacher, John C., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Double pan hopper. 2,204,704; June 18.

Schwaen, John Louis, assignor of one-half to M. Schwaen, Tampa, Fla. Radio receiver. 2,205,365; June 18.

Schwaen, Marguerite. (See Schwaen, John L., assignor.)

Schwartzmann, Harry, assignor to Fink-Roselieve Co., Inc., New York, N. Y. Exposure meter. 2,205,312; June 18.

Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Audible warning signal. 2,204,705; June 18.

Scott, Charles H. (See Hubbell, G. E., Scott, and Darby.)

Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Pump liner. 2,204,626; June 18.

Scott, Winfield, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,205,070; June 18.

Sculati, John J. (See Britton, E. C., Dosser, and Sculati.)

Schundler, F. E., & Co. (See Denning, Paul S., assignor.)

Searle, Dudley F., Oakland, Calif. Remote controlled vacuum brake valve. 2,204,706; June 18.

Sears, Roebuck and Co. (See Booty, Kelvin H., assignor.)

Sears, Roebuck and Co., et al. (See Callaghan, A. J., and McCarthy, assignors.)

Security Engineering Co. Inc. (See Hall, E. B., and Armentrout, assignors.)

Seeley, Clarence H., and M. H. Arveson, assignors to Standard Oil Company, Chicago, Ill. Preparation of sulphur-containing Diesel fuel ignition agents. 2,205,126; June 18.

Seethaler, Karl, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge device control system. 2,205,221; June 18.

Segal, Samuel, Brooklyn, N. Y. Slide fastener. 2,204,627; June 18.

Selss, August J., Toledo, Ohio. Bicycle lamp. 2,204,707; June 18.

Sery, George N. (See Hinrichs, F., and Sery.)

Sharp, Dudley C., assignor to Mission Manufacturing Company, Houston, Tex. Stuffing gland. 2,204,915; June 18.

Shaver, William W., assignor to Corning Glass Works, Corning, N. Y. Tempering glass articles. 2,205,180; June 18.

Shaver, William W., assignor to Corning Glass Works, Corning, N. Y. Tempering glass articles, and bath therefor. 2,205,181; June 18.

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Refrigerant compressor control system. 2,204,951; June 18.

Sheehan, Thomas C., Montclair, N. J., assignor to Durham Duplex Razor Company, Mystic, Conn. Razor. 2,204,827; June 18.

Shell Development Company. (See Bresler, F., and Drasky, assignors.)

Shell Development Company. (See Joyce, Percy E., assignor.)

Shell Development Company. (See McKittrick, Donald S., assignor.)

Shell Development Company. (See Moser, Franz R., assignor.)

Shell Development Company. (See Van Peski, A. J., and Hoeffelman, assignors.)

Sherrill, Alvan C., Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Conveyer. 2,204,828; June 18.

Shippee, Carl C. (See Shippee, Winsor and C. C.)

Shippee, Winsor and C. C., Red Bank, N. J. Fastening device. 2,204,829; June 18.

Shotter, George F., Friern Barnet, England. Electric motor. 2,204,916; June 18.

Shuman, David M. (See Carelli, Sam, assignor.)

Shutt, Charles C., East McKeesport, and J. W. Dawson, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Starting control for synchronous motors. 2,205,222; June 18.

Shutt, Charles C., East McKeesport, and J. W. Dawson, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Starting control for synchronous motors. 2,205,223; June 18.

Shutt, Charles C., East McKeesport, and J. W. Dawson, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Starting control for synchronous motors. 2,205,224; June 18.

Sibley, Robert L., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Rubber composition and preservation of rubber. 2,204,870; June 18.

Siebertz, Karl, Berlin-Grunewald, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric discharge device. 204,999; June 18.

Siedle, Arnold D. (See Nelson, R. S., and Siedle.)

Siemens & Halske Aktiengesellschaft. (See Dähling, Heinz, assignor.)

Siemens & Halske Aktiengesellschaft. (See Krenzien, Otto, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Siebertz, Karl, assignor.)

Siemens & Halske Aktiengesellschaft. (See Thierbach, Dietwald, assignor.)

Siemens-Reiniger-Werke Aktiengesellschaft. (See Kunz, H., and Berger, assignors.)

Simmons, R. F., Company. (See Levesque, Arthur H., assignor.)

Simplex Valve and Meter Company. (See Borden, Moro M., assignor.)

Sinclair, John J., Montclair, N. J., and S. L. Williams, New York, N. Y., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load brake device. 2,204,830; June 18.

Sinclair Refining Company. (See Cantelo, Robert C., assignor.)

Singleton, James W., Cincinnati, Ohio, assignor of one-half to J. O. Brooks, Allock, Ky. Casting bait. 2,204,552; June 18.

Sissell, Lloyd L. (See Barnett, Edward J., assignor.)

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Space discharge apparatus and circuits therefor. 2,205,071; June 18.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Space discharge apparatus and circuits therefor. 2,205,072; June 18.

Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Discharge device. 2,205,225; June 18.

Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ignitron starter. 2,205,226; June 18.

Smit, William, Johannesburg, Transvaal, South Africa. Metal protector for footwear. 2,205,073; June 18.

Smith, Albert K. (See Prutton, C. F., and Smith.)

Smith, Elias A. C., assignor to Guggenheim Brothers, New York, N. Y. Apparatus for the recovery of salts from aqueous solutions. 2,204,777; June 18.

Smith, Floyd S., assignor of one-third to Wm. H. Hatchett, Portsmouth, Va. Fire safety device for automobiles or airplanes. 2,204,735; June 18.

Smith, Frederic H., Haverhill, Mass., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating system. 2,204,708; June 18.

Smith, Howard H., Chicago, Ill., assignor to Peru Radio Laboratories, Inc., Peru, Ind. Electromechanical amplifier. 2,205,227; June 18.

Smith, Uel L., Morris Plains, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Wattmeter. 2,205,228; June 18.

Smola, Emil, Newport News, Va. Automatic steering of ships. 2,204,553; June 18.

Snodgrass, Henry W., assignor to Armstrong Cork Company, Lancaster, Pa. Closure. 2,204,831; June 18.

Society of Chemical Industry in Basle. (See Graenacher, Charles, assignor.)

Socony-Vacuum Oil Company. (See Berger, H. G., James, and Badertscher, assignors.)

Sorensen, Edward M., Wright Field, Ohio. Blind landing system. 2,204,628; June 18.

Sorgatz, Earl H. (See Rouan, F. J., and Sorgatz.)

Spahn, Paul E. (See Lowry, C. D., and Spahn.)

Spalding, John D. (See Morgan, J. S., Jr., and Spalding.)

Spanner, Hans J., Berlin-Kladow, Germany. Electric lamp. 2,205,000; June 18.

Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)

Sperry Gyroscope Company. (See Clouston, Charles E., assignor.)

Spiess, Georg, Leipzig, Germany. Folding machine. 2,205,127; June 18.

Spriggs, Ernest L., and J. H. Butts, assignors to Rome Specialty Company, Inc., Rome, N. Y. Collapsible fish landing net. 2,205,229; June 18.

Spindler, Kurt P., assignor to Karl Lieberknecht, Inc., Reading, Pa. Flat knitting machine. 2,204,629; June 18.

Spraragen, Louis, assignor to Bridgeport Fabrics, Incorporated, Bridgeport, Conn. Window guide channel. 2,204,630; June 18.

Springfield Leather Products Company, The. (See Lupfer, Robert N., assignor.)

Stahl, Ray H., Springfield, Ohio. Machine for cutting brick or the like. 2,205,313; June 18.

Staley, Joseph H., Columbus, Ind. Switch actuating means. 2,205,314; June 18.

Standard Oil Company. (See Heard, Llewellyn, assignor.)

Standard Oil Company, The. (See Musselman, J. M., and Lankelma, assignors.)

Standard Oil Company. (See Seeley, C. H., and Arveson, assignors.)

Standard Oil Company of California. (See Humphreys, R. L., and Borsoff, assignors.)

Standard Oil Company of California. (See Kavanagh, F. W., Borsoff, and Humphreys, assignors.)

Standard Oil Development Company. (See Brown, D. F., and De Hoff, assignors.)

Standard Oil Development Company. (See Fulton, S. C., and Cross, assignors.)

Standard Oil Development Company. (See Le Croy, Sylvester A., assignor.)

Standard Oil Development Company. (See Mikeska, Louis A., assignor.)

Standard Oil Development Company. (See Rosen, Raphael, assignor.)

Standard Railway Equipment Manufacturing Company. (See Gilpin, Garth G., assignor.)

Standard Railway Refrigerator Company. (See Crede, Charles E., assignor.)

Standard Stoker Company, The. (See Anderson, Howard P., assignor.)

Steenbeck, Max, Berlin-Siemensstadt, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes", Berlin, Germany. Gas or vapor filled controllable electric discharge device. 2,205,230; June 18.

Steenbeck, Max, Berlin-Siemensstadt, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes", Berlin, Germany. Electric discharge device for high operating voltages. 2,205,231; June 18.

Stein, Willi, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Device for loading film casettes. 2,205,052; June 18.

Steinberg, Ralph H. (See Mican, G. S., Steinberg, and Urban.)

Steinmetz, Joachim, Berlin-Tempelhof, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie mit beschrankter Haftung, Berlin, Germany. Automatic volume control circuits. 2,204,973; June 18.

Stevens, Donald R., Swissvale, and W. A. Gruse, Wilkinsburg, Pa., assignors to Gulf Research & Development Company, Wilmington, Del. Polymerization of olefins. 2,205,159; June 18.

Stevens, Frank J., and W. G. Layson, Jr., assignors to American Lava Corporation, Chattanooga, Tenn. Current converting vibrator. 2,205,315; June 18.

Stewart, Robert J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for packaging beverages. 2,204,832; June 18.

Stoeckly, Johann J., Teltow-Seehof, Germany, assignor to North American Rayon Corporation, New York, N. Y. Method and apparatus for treating yarn. 2,205,366; June 18.

Stone, Albert R., Arlington, Va., assignor, by mesne assignments, to Carpenter-Stone, Inc. Power clutch assemblage. 2,204,554; June 18.

Stone, Calvin H. (See Dooley, A. F., and Stone.)

Stone, Chessley W. (See Dooley, A. F., and Stone, assignors.)

Stone, David B., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Packaging beverages. 2,204,833; June 18.

Stone, William S., Green Township, Hocking County, Ohio. Combined casket and grave vault. 2,205,110; June 18.

Stover, Albert L. (See Mayo, Rutledge R., assignor.)

Strano, Peter, and R. E. Hulburt; said Strano assignor to M. J. Doyle, San Francisco, Calif. Reed forming machine. 2,204,871; June 18.

Strasser, Robert, Hollis, N. Y. Golf club. 2,204,974; June 18.

Stratton, Edwin T., Memphis, Tenn. Battery tester. 2,205,316; June 18.

Straubel, Clarence W., Youngstown, Ohio, assignor, by mesne assignments, to Acme Visible Records, Inc., Chicago, Ill. Card shearing machine. 2,204,736; June 18.

Straubel, Walter E., North Bergen, and J. P. Eonalf, West New York, N. J. Proportional picture variator. 2,204,709; June 18.

Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)

Strout, Robert W., assignor to E. W. Bliss Company, Brooklyn, N. Y. Control means for fluid-operated clutches. 2,204,710; June 18.

Studebaker, George, assignor of one-half to Zion Industries, Inc., Zion, Ill. Cooky icing machine. 2,205,317; June 18.

Sturm, Fred A., Paterson, N. J. Marking implement. 2,204,778; June 18.

Sullivan, Alan P. (See Morgan, J. D., and Sullivan.)

Sullivan Machinery Company. (See Joy, Joseph F., assignor.)

Sullivan Machinery Company. (See Parker, Robert B., assignor.)

Sullivan, Martin E., assignor of fifteen per cent to A. Garrity, and twenty-five per cent to W. Cardis, Indianapolis, Ind. Ice water beer cooler. 2,205,318; June 18.

Sumpter, Earl, et al. (See Bowles, Carl E., assignor.)

Super Diesel Tractor Corporation. (See Scott, Philip L., assignor.)

Superior Funeral Supply Corp. (See Lange, Morris, assignor.)

Svenska Aktiebolaget Bromsregulator. (See Carlbom, Axel G. H., assignor.)

Swallow, John C., Northwich, and M. W. Perrin, London, England, assignors to Imperial Chemical Industries Limited, Manufacture of electric cables. 2,204,737; June 18.

Swan, Harry L., Lake Village, Ark. Resuscitator. 2,204,738; June 18.

Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,204,779; June 18.

Swanson, Swaney W., Rapid City, S. Dak. Receptacle rack or stand. 2,205,319; June 18.

Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)

Syncro Machine Company. (See Fearn, Richard L., assignor.)

Teal, Percy P., Norristown, Pa. Measuring device for lubricating systems. 2,205,320; June 18.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hildebrandt, Rainer, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Mahnken, Werner, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie mit beschrankter Haftung. (See Steinmetz, Joachim, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wilhelm, Karl, assignor.)

Temple, Clyde V., Tyler, assignor to The Guiberson Corporation, Dallas, Tex. Gas lift valve. 2,204,834; June 18.

Tennessee Eastman Corporation. (See Othmer, Donald F., assignor.)

Thackeray, Robert C., Racine, Wis. Device for washing photographic prints. 2,205,053; June 18.

Thaler, Wilhelm, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co. Inc., New York, N. Y. Suction roll for papermaking machines. 2,204,780; June 18.

Thieme, Paul, Berlin-Sudende, Germany, assignor to General Electric Company. Electric circuit breaker. 2,205,321; June 18.

Thierbach, Dietwald, Berlin-Spandau, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Spandau, Germany. Automatic amplification control. 2,204,975; June 18.
Thomas & Betts Co., The. (See Buchanan, Stephen N., assignor.)
Thomas & Betts Co., The. (See Thomas, G. C., Jr., and Bergan, assignors.)
Thomas, George C., Jr., Elizabeth, and M. D. Bergan, Linden, assignors to The Thomas & Betts Co., Elizabeth, N. J. Solderless wire connector. 2,205,322; June 18.
Thompson, Earl A., Bloomfield Hills, assignor to General Motors Corporation, Detroit, Mich. Change speed gearing and control. 2,204,872; June 18.
Thompson, Jack M., Willimantic, Conn. Cooling system. 2,205,128; June 18.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Eye protecting device. 2,204,631; June 18.
Timken Roller Bearing Company, The. (See Cornell, Joseph F., assignor.)
Timmis, William W., Glen Cove, and M. A. Michaels, Bronx, assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Radiant heating means. 2,205,001; June 18.
Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Reinforced joint or connection. 2,205,323; June 18.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Tipter, Georg, Campina, Rumania. Bore hole direction tester. 2,205,022; June 18.
Tisdale, Wendell H., Wilmington, Del., and I. Williams, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Insect repellent. 2,205,232; June 18.
Tondreau, Albert W., Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Film apparatus. 2,204,917; June 18.
Toro Manufacturing Corporation of Minnesota. (See Schmidt, Albert E., assignor.)
Toronto Carton Company Limited. (See Wells, Cecil L., assignor.)
Trackwell, Emery M., Leavenworth, Kans. Combination fryer and cooker. 2,205,160; June 18.
Traylor, John A., Denver, Colo., deceased; E. T. Eisenhand, T. S. Traylor, and J. B. Traylor, coexecutors. Trommel screen construction. 2,204,835; June 18.
Traylor, John B., et al., coexecutor. (See Traylor, John A.)
Traylor, Tessie S., et al., coexecutor. (See Traylor, John A.)
Tri-Clover Machine Company. (See Hinrichs, F., and Sery, assignors.)
Triolo, Louis, assignor to Imperial Paper Box Corporation, Brooklyn, N. Y. Hinge applying machine. 2,205,367; June 18.
Tripp, John P., Montreal, Quebec, Canada. Arc welding apparatus. 2,205,002; June 18.
Troxel Manufacturing Company, The. (See Kalter, Harold E., assignor.)
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose leaf binder. 2,204,918; June 18.
Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
Tuggle, H. Gordon, et al. (See Wells, Latinus A., assignor.)
Turnbull, David C., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Abrasive throwing machine. 2,204,632; June 18.
Turnbull, David C., assignor to American Foundry Equipment Company, Mishawaka, Ind. Abrasive-throwing wheel. 2,204,633; June 18.
Turnbull, David C., assignor to American Foundry Equipment Company, Mishawaka, Ind. Abrasive-throwing wheel. 2,204,634; June 18.
Turnbull, David C., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Centrifugal abrading machine. 2,204,635; June 18.
Turnbull, David C., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Apparatus for treating metal articles. 2,204,636; June 18.
Turner Tanning Machinery Company, The. (See Schettler, Gustav A., assignor.)
Twentieth Century-Fox Film Corporation. (See Bell, Albert, assignor.)
Twin Disc Clutch Company. (See Batten, P. H., and Bastrup, assignors.)
Tyler, Tracy B., Chicago, Ill., assignor to The Monopower Corporation, Detroit, Mich. Automatic transmission. 2,204,919; June 18.
Tyzzer, Howard J., assignor to The Crosley Corporation, Cincinnati, Ohio. Automotive radio apparatus. 2,204,873; June 18.
Underwood Electric & Mfg. Co. (See Johnson, L. C., and Jorgensen, assignors.)
Unger, Chester E., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Abrasive projecting machine. 2,204,637; June 18.
Union Oil Company of California. (See Gard, E. W., and Aldridge, assignors.)
Union Oil Company of California. (See Jenkins, Vance N., assignor.)
Union Special Machine Company. (See Sauer, George, assignor.)
Union Switch & Signal Company. (See Bone, Herbert L., assignor.)
Union Switch & Signal Company, The. (See Mills, Robert, assignor.)
United Autographic Register Co. (See Cooke, Allen B., assignor.)
United-Carr Fastener Corporation. (See Kral, Joseph, assignor.)
United Shoe Machinery Corporation. (See Bray, William N., assignor.)
United Shoe Machinery Corporation. (See Engel, Karl, assignor.)
United Shoe Machinery Corporation. (See Eppler, Andrew, Jr., assignor.)
United Shoe Machinery Corporation. (See Hazelton, George, assignor.)
United Shoe Machinery Corporation. (See Matheu, James M., assignor.)
United Shoe Machinery Corporation. (See Moore, Ernest, assignor.)
United States Envelope Company. (See Nuyts, Georges A. H., assignor.)
Uphill, Kenneth M., and A. F. Guyler, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of knitted fabrics. 2,204,711; June 18.
Urban, Stephen F. (See Mican, G. S., Steinberg, and Urban.)
Valentine, George E., and J. I. Hurst, Schuylkill Haven, Pa. Automatic coal stoker. 2,204,553; June 18.
Vandenberg, Paul W. (See Kacena, J., and Vandenberg.)
Vanderbilt, R. T., Company. (See Alton, William H., assignor.)
Van Damme, Frank L., Grosse Pointe, Mich. Ignition distributor. 2,205,074; June 18.
Van Dyke, Russel H. (See McNally, J. G., and Van Dyke.)
Van Norman Machine Tool Company. (See Healy, Francis P., assignor.)
Van Peski, Adrianus J., and J. M. Hoeffelman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Process and products relating to capillary-active sulphonium sulphates. 2,204,976; June 18.
Van Slooten, Jacob, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Oscillation generation. 2,205,233; June 18.
Vana, Charles A. (See Haag, I. L., and Vana.)
Vaughan, William, et al. (See Bragg, Dillon C., assignor.)
Venable, William H., assignor to Blaw-Knox Company, Pittsburgh, Pa. Material-feeding apparatus and method. 2,205,324; June 18.
Venable, William M., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Clamshell bucket. 2,205,325; June 18.
Vereinigte Faerbereien und Appretur Aktien Gesellschaft. (See Bünzli, Karl, assignor.)
Vernon Potteries, Ltd. (See Schreiber, Armin L., assignor.)
Vick, Adrian D., Washington, D. C. Grip exerciser. 2,205,161; June 18.
Volwiler, Ernest H., Highland Park, and M. B. Moore, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Enteric coating. 2,205,111; June 18.
Von Giesche's, Georg. (See Burkhardt, A., and Knabe, assignors.)
Van Nessen, Walter, and F. Lemle, New York, N. Y., assignors to F. J. Mallet, Philadelphia, Pa. Moistening and strip serving device. 2,204,977; June 18.
Waldes Koh-I-Noor, Inc. (See Axthelm, Hermine, assignor.)
Waldo, Robert, assignor to American Flange & Manufacturing Co., New York, N. Y. Insulation testing instrument. 2,204,836; June 18.
Wallace, Archibald L., Northport, N. Y., assignor, by mesne assignments, of one-half to A. L. Wallace, and one-half to Cherryfield Corporation. Vulcanizer. 2,205,112; June 18.
Waller, Carl R. (See Miller, J. S., and Waller.)
Waller, John A., Beverly Hills, Calif. Portable vise. 2,204,837; June 18.
Walstrom, Adolph D., Chicago, Ill. Self-measuring liquid dispenser. 2,204,838; June 18.
Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Planer and the like. 2,204,874; June 18.
Walters, Emmett L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for use in the manufacture of laminated safety glass. 2,205,003; June 18.
Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)
Wascher, Frank. (See Double, P. E., and Wascher.)
Wattles, George M., Marinette, Wis. Protecting coal and like. 2,204,781; June 18.
Weathers, Warren F., assignor of one-half to L. J. Flint, Detroit, Mich. Door opening mechanism. 2,204,638; June 18.
Wedler, Frederick C., Easthampton, Mass., assignor to Duo-Dyeing Machine Company, Charlotte, N. C. Machine for dyeing fabrics. 2,204,839; June 18.

Weiss, Ernst. (See Heberlein, G., Jr., Weiss, and Hemmi.)
Wells, Cecil L., Port Credit, assignor to Toronto Carton Company Limited, Toronto, Ontario, Canada. Garment hanger. 2,204,875; June 18.
Wells, Latinus A., assignor of one-eighth to H. G. Tuggle and one-eighth to J. L. Neal, Danville, Va. Glare shield. 2,204,739; June 18.
Wemp, Ernest E., Detroit, Mich. Hydraulic clutch. 2,205,054; June 18.
Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Method and apparatus for making electric conductor cord. 2,204,782; June 18.
Wesson, Earl F., Tucson, Ariz. Illuminated mirror. 2,205,279; June 18.
West Bend Aluminum Company. (See Kircher, Ralph N., assignor.)
West Boylston Mfg. Company of Alabama. (See Farrell, James E., assignor.)
Western Electric Company. (See McDaniels, Shryock P., assignor.)
Western Precipitation Corporation. (See Hamilton, James H., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See McCune, J. C., and Newell, assignors.)
Westinghouse Air Brake Company, The. (See McNeal, Donald L., assignor.)
Westinghouse Air Brake Company, The. (See Newell, George K., assignor.)
Westinghouse Air Brake Company, The. (See Sinclair, J. J., and Williams, assignors.)
Westinghouse Electric & Manufacturing Company. (See Armstrong, G. C., and Ellis, assignors.)
Westinghouse Electric & Manufacturing Company. (See Arnold, E. E., and Elberty, assignors.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Hewett R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Davis, F. R. J., and Lessmann, assignors.)
Westinghouse Electric & Manufacturing Company. (See Edgerton, Harold E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Exner, Donald W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Graham, Quentin, assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hansen, Elmer K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hein, Carl C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Heintzen, Harry R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johansson, Ernest G., assignor.)
Westinghouse Electric & Manufacturing Company. (See King, George E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Klemmer, Edward H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Koch, Gustav H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kübler, Erwin, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lessmann, Gerhard P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Leukert, Wilhelm, assignor.)
Westinghouse Electric & Manufacturing Company. (See Mueller, E. O., and Charters, assignors.)
Westinghouse Electric & Manufacturing Company. (See Schaelchlin, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Seethaler, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Shutt, C. C., and Dawson, assignors.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Uel L., assignor.)
Wettlaufer, William F., Buffalo, N. Y. Traction device. 2,204,783; June 18.
Wheatley, William B. (See Flett, R. H., Wheatley, and Laddon.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Uniform impedance network. 2,204,712; June 18.
Whipple, Willis A., Camp Lake, Wis., assignor to R. Malcom, Chicago, Ill. Respirator. 2,205,368; June 18.
White, Carl, Jr., assignor to Franks Manufacturing Corporation, Tulsa, Okla. Portable derrick. 2,204,713; June 18.
Whiting, George F. (See Kabela, F., and Whiting.)
Whitney, Kenneth E., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Bimetallic element. 2,205,162; June 18.
Whitney, Lewis J., Springville, Utah. Compound implement. 2,204,740; June 18.
Whitten, James L., Rocky River, Ohio, assignor to The Brown Instrument Company, Philadelphia, Pa. Automatic control apparatus. 2,205,182; June 18.
Whyatt, Violette A., Los Angeles, Calif. Perpetual calendar. 2,205,326; June 18.
Wildhaber, Ernest, Irondequoit, assignor to Gleason Works, Rochester, N. Y. Relief grinding cutter blades. 2,204,714; June 18.
Wilhelm, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variable width band-pass filter. 2,205,075; June 18.
Wilkening Manufacturing Company. (See Wuerfel, William, assignor.)
Wilkie, Leighton A., Minneapolis, Minn. Convertible filing machine. 2,204,840; June 18.
Willcox, George C. (See Bush, Stanley A., assignor.)
Williams, Carl B., Jr. (See Hamann, H. J., and Williams.)
Williams, Ira. (See Tisdale, W. H., and Williams.)
Williams, John, Palmyra, N. J. Casting metals. 2,205,327; June 18.
Williams, Samuel L. (See Sinclair, J. J., and Williams.)
Williamson, Russell R., Dayton, Ohio. Form for displaying clothing. 2,204,876; June 18.
Wills, Arnold F., Burnham-on-Sea, assignor to W. & F. Wills, Limited, Bridgewater, England. Extruding machine for clay, soap, and other plastic materials. 2,205,328; June 18.
Wills, W. & F., Limited. (See Wills, Arnold F., assignor.)
Wilson, Marion J. (See May, William H., assignor.)
Wilson Supply Company. (See Nixon, Jeddy D., assignor.)
Wimmer, Glen E., assignor to Ditto, Incorporated, Chicago, Ill. Sheet feeding apparatus. 2,204,715; June 18.
Winder, Samuel E., Baltimore, Md., assignor of one-half to H. C. Daubenspeck, Columbus, Ohio. Narrow neck bottle forming machine. 2,205,261; June 18.
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Lichty, Joy G., assignor.)
Wingfoot Corporation. (See Scott, Winfield, assignor.)
Winnefeld, Joseph S. (See Hammon, R. A., and Winnefeld.)
Wittmer, Russell J., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Resilient car wheel. 2,204,953; June 18.
Wittigschlager, Wilhelmina, assignor of forty-nine per cent to E. Marthis, Miami, Fla. Astronomical toy. 2,204,952; June 18.
Wittwer, Max. (See Schuette, H., Schoeller, and Wittwer.)
Wohlenhaus, Emil, Truman, Minn. Planetary air-liquid clutch. 2,205,329; June 18.
Woltz, Earl J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Material handling mechanism. 2,205,004; June 18.
Wood, Clifford. (See Coffey, S., Haddock, and Wood.)
Woodbury, Clifford A. (See Burrows, L. A., and Woodbury.)
Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydraulic fluid. 2,205,183; June 18.
Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of aldehyde-ketone mixtures. 2,205,184; June 18.
Woodings-Verona Tool Works. (See Di Fatta, Nicholas, assignor.)
Woodward, Elmer E., assignor to Woodward Governor Company, Rockford, Ill. Governor mechanism. 2,204,639; June 18.
Woodward, Elmer E., assignor to Woodward Governor Company, Rockford, Ill. Governor mechanism. 2,204,640; June 18.
Woodward Governor Company. (See Kalin, Albert, assignor.)
Woodward Governor Company. (See Woodward, Elmer E., assignor.)
Woody, Charles L. (See Kempf, H. H., and Woody.)
Woody, Wayland B., assignor to Franks Manufacturing Corporation, Tulsa, Okla. Portable derrick mast. 2,204,716; June 18.
Wortz, Charles G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of long-chain aliphatic mononitriles. 2,205,076; June 18.
Wright, Milo P., Bucklin, Kans. Note finder. 2,204,641; June 18.
Wuerfel, William, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston construction. 2,204,642; June 18.
Wuertz, Alexander J., Wilmington, Del., and W. Rintelman, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,204,742; June 18.
Wuertz, Alexander J., Villa Monterey, Del., and W. L. Rintelman, Elmer, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,204,741; June 18.
Wurlitzer, Rudolph, Company, The. (See Mitchell, John R., assignor.)
Yngve, Victor, Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation. Vinyl resin plastic compositions. 2,204,743; June 18.

York, Raymond D., as trustee. (See York, Raymond D., assignor.)
York, Raymond D., University, Va., assignor to R. D. York, as trustee. Crucible support. 2,205,023; June 18.
Young, George W., et al. (See Hester, John C., assignor.)
Young, Lloyd W. (See Hasse, F. C., and Young.)
Younghusband, James L., Chicago, Ill. Vanity case. 2,204,717; June 18.
Younie, Lewis E., assignor to Electric Steel Foundry Company, Portland, Oreg. Replaceable point excavating tooth. 2,204,718; June 18.
Zachman, A. J., et al. (See Cuddigan, B. O., and Mondloch, assignors.)
Zeckendorf, Hugo A., San Francisco, Calif. Tool head locking device. 2,204,643; June 18.
Zink, John S., Tulsa, Okla. Combination gas and oil burner. 2,204,719; June 18.
Zinsitz, Matthew G., Brookfield, Wis. Muffler. 2,205,024; June 18.
Zion Industries, Inc. (See Studebaker, George, assignor.)
Zullo, Samuel, Jersey City, N. J. Electrical motor for timing mechanisms. 2,205,077; June 18.
Zwick, Kurt, Munich, assignor to F. Deckel, Munich-Prinz Ludwigshoe, Bavaria, Germany. Driving means for engraving and copying machines. 2,204,841; June 18.
Zworykin, Vladimir K., Philadelphia, Pa., and L. Malter, Collingswood, N. J., assignor to Radio Corporation of America. Electric discharge device. 2,205,055; June 18.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aircraft. R. J. Thompson. Re. 21,484; June 18.
Composition of matter containing a cellulose derivative. H. M. Weber. Re. 21,485; June 18.
Wheel mounting for vehicles, Shock reducing and cushioning. G. L. Larison. Re. 21,483; June 18.

LIST OF PLANT INVENTIONS

Gladiolus. E. A. Briggs. 404; June 18.
Rose. M. Samtmann. 402; June 18.
Rose plant. F. B. Abrams. 403; June 18.

LIST OF DESIGN INVENTIONS

Bicycle. W. D. Teague. 121,106; June 18.
Body attached propulsion unit. M. Fischer. 121,067; June 18.
Bottle, Perfume. W. R. Hauptman. 121,070; June 18.
Bowl or similar article, Centerpiece. R. R. Kostellow. 121,119; June 18.
Bracket and latch for hair driers, Combined. A. Madaras. 121,142; June 18.
Brake actuator or similar article. C. S. McCarthy. 121,122; June 18.
Brooch or similar article. G. Verrecchio. 121,109; June 18.
Brush, Hair. L. H. Gustafson. 121,092; June 18.
Building. A. M. Scheider. 121,100; June 18.
Building. D. G. Terrie. 121,107; June 18.
Bumper or similar article, Automobile. D. S. Devor. 121,066; June 18.
Burner, Oil. F. E. Herr. 121,071; June 18.
Cabinet or similar article, Intercommunicating telephone station. A. Stolzenberger, Jr. 121,131; June 18.
Cap for containers. L. T. Crabbe. 121,065; June 18.
Carriage for supporting and propelling a tool, such as a blowpipe. F. C. Gelbig. 121,091; June 18.
Carton. J. Fraterrigo. 121,068; June 18.
Case or the like, Cigarette. A. F. Reilly. 121,078; June 18.
Chain. M. Anderson. 121,086; June 18.
Chair. W. J. Johnson. 121,072; June 18.
Chair. H. W. Kranz. 121,073; June 18.
Chair or similar article. L. Larsen. 121,141; June 18.
Clamp keeper for a clip body. A. L. Main. 121,075; June 18.
Clip or similar article of jewelry. I. Z. Joyce. 121,118; June 18.
Clock and picture holding case, Combined. H. Sochard. 121,103; June 18.
Coaster and ash tray, Combined. L. J. Du Mais. 121,114; June 18.
Coat. N. Jacobson. 121,147; June 18.
Comfort station. A. C. Stewart and K. Weber. 121,104; June 18.
Confectionery product. N. M. Thomas. 121,133; June 18.
Cover, Locking. C. H. Nehls. 121,076; June 18.
Desk and artificial fireplace, Combined. R. Williams. 121,110; June 18.
Device for analyzing combustion motors. A. P. Warner. 121,084; June 18.
Dress. F. Dioguardi. 121,113; June 18.
Dress. A. Engel. 121,115; June 18.
Dress. S. Grossman. 121,139; June 18.
Dress. A. Nager. 121,148; June 18.
Dress. C. M. Neuhardt. 121,149; June 18.
Dress ensemble. A. O. Gilbert. 121,138; June 18.
Dress ensemble. M. Hobgood. 121,145–6; June 18.
Fabric or similar article, Ribbon. J. Schnitt. 121,150; June 18.
Fabric, Textile. E. Bry. 121,064; June 18.
Fabric, Textile. I. Cummings. 121,090; June 18.
Fabric, Textile. H. B. Schnelderwind. 121,129; June 18.
Fabric, Textile. H. Veit. 121,143; June 18.
Fabric, Textile. W. W. Weber. 121,134; June 18.
Fender for automotive vehicles. H. G. Heaslet. 121,093; June 18.
Fire extinguisher. P. A. Stover. 121,083; June 18.
Game board. R. J. Velz. 121,108; June 18.
Gem setting for finger ring and the like. J. H. Schaeffer. 121,128; June 18.
Glove. M. Hacker. 121,140; June 18.
Hamper or similar article. G. Rahner. 121,125–6; June 18.
Handbag. B. White. 121,144; June 18.
Handle and hair winding pin, Combined wrench. W. N. Schlesinger. 120,082; June 18.
Heater, Electric. M. Markel and D. L. Ripley. 121,096; June 18.
Holder for silverware or analogous article, Buffet. J. S. O'Connell. 121,077; June 18.
Inkstand or the like. G. J. Sengbusch. 121,101–2; June 18.
Ironing machine. T. J. Little, Jr. 121,074; June 18.
Jacket. W. J. Kupfrian. 121,120; June 18.
Lamp, Automobile signal. G. W. Bruderick. 121,063; June 18.
Lighting fixture. W. P. Heath. 121,094; June 18.
Lighting unit, Incandescent. F. P. Arrousez. 121,061; June 18.
Lining, Coat. P. Feldman. 121,116; June 18.
Mask or similar article, Aviator's oxygen. M. E. Hansen. 121,069; June 18.
Mixer. B. A. Benson. 121,136; June 18.
Mixer. E. S. Preston. 121,124; June 18.
Necklace. H. Reinstein. 121,127; June 18.
Ornament, Christmas tree. C. H. Hyman. 121,095; June 18.
Ozone producing machine. W. A. Pardey. 121,099; June 18.
Pen or similar article, Fountain. A. N. Andrews. 121,087; June 18.
Pin, Lapel. S. Holstein. 121,117; June 18.
Projector. H. Osterberg and T. G. Aitcheson. 121,097; June 18.
Projector. H. Osterberg and C. M. Sperazz. 121,098; June 18.
Rack or similar article, Display. L. A. Shelton. 121,130; June 18.
Rack, Shoe. B. Deja. 121,112; June 18.
Rebound device for a pin-ball game apparatus. C. E. Caestecker. 121,088–9; June 18.
Receptacle for cosmetics. A. F. Reilly. 121,079–81; June 18.
Receptacle for cosmetics. A. F. Reilly. 121,085; June 18.
Reproduction machine. V. J. Sussin. 121,105; June 18.
Scarf. P. Witti. 121,135; June 18.
Shield, Eye. W. H. Lehmberg. 121,121; June 18.
Slacks, Chenille. M. D. Brod. 121,111; June 18.
Sole or similar article, Shoe. E. J. McCarthy. 121,123; June 18.
Stamp or similar article. A. Strauss. 121,132; June 18.
Table or similar article. A. Bach. 121,062; June 18.
Vault, Burial. R. F. Donahey. 121,137; June 18.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine, Centrifugal. D. C. Turnbull. 2,204,635; June 18.
Abrasive article. N. P. Robie. 2,205,276; June 18.
Abrasive blasting machine. E. R. Hughes. 2,204,596; June 18.
Abrasive blasting machine, Centrifugal. J. E. Guendling. 2,204,587; June 18.
Abrasive equipment. V. E. Minich and G. N. Grove. 2,204,610–11; June 18.
Abrasive projecting machine. C. E. Unger. 2,204,637; June 18.
Abrasive throwing machine. D. C. Turnbull. 2,204,632; June 18.
Abrasive-throwing wheel. D. C. Turnbull. 2,204,633–4; June 18.
Acetic acid and other lower fatty acids, Dehydration of. D. F. Othmer. 2,204,616; June 18.
Acids and other substances from a tobacco extract, Recovery of organic. L. M. Rader. 2,204,621; June 18.
Acids, Preparation of acylated 3-hydroxy-bis-norcholenic. J. R. Myles. 2,205,045; June 18.
Age resistor. A. M. Clifford. 2,205,084; June 18.
Agricultural machine. T. C. Bushong. 2,204,569; June 18.
Air conditioning apparatus. R. M. Girstenbrei. 2,204,732; June 18.
Air-line lubricator. H. F. M. Rouse. 2,204,950; June 18.
Air-liquid clutch, Planetary. E. Wohlenhaus. 2,205,329; June 18.
Air operated switch. E. M. Claytor. 2,205,281; June 18.
Alarm for stokers, Shear pin. A. L. Brice. 2,205,370; June 18.
Alcohol oxidation. J. E. Bludworth. 2,204,652; June 18.
Aldehyde-ketone mixtures, Purification of. J. C. Woodhouse. 2,205,184; June 18.
Aliphatic di-oxymethylene quaternary ammonium halides and producing them. L. H. Bock. 2,204,653; June 18.
Aliphatic mononitriles, Preparation of long-chain. C. G. Wortz. 2,205,076; June 18.
Alloy: *See*—
Magnesium alloy.
Amplification control, Automatic. D. Thierbach. 2,204,975; June 18.
Amplifier. R. B. Dome. 2,205,243; June 18.
Amplifier circuit, Push-pull. L. E. Barton. 2,205,335; June 18.
Amplifier control means, Limiting. F. M. Davis. 2,204,726; June 18.
Amplifier, Electromechanical. H. H. Smith. 2,205,227; June 18.
Amplifying scheme for photo-cathodes. O. Krenzien. 2,205,207; June 18.
Anchor. C. W. Filby. 2,204,799; June 18.
Antenna. C. W. Hansell. 2,205,358; June 18.
Antenna, Motor vehicle. A. L. Knapp. 2,204,861; June 18.
Antenna reel mechanism. J. K. De Armond and G. L. Haller. 2,204,579; June 18.
Antenna system, Directional. K. Posthumus. 2,205,174; June 18.
Antiskid appliance. H. M. Becht. 2,204,921; June 18.
Apparatus for abrasively treating metal articles. R. W. Guite. 2,204,588; June 18.
Apparatus for cleaning coils. Le R. D. Lowry. 2,204,900; June 18.
Apparatus for drying thread or the like. H. B. Kline and L. J. Jordan. 2,204,603; June 18.
Apparatus for forming stopcock barrels. C. G. Anastor. 2,204,542; June 18.
Apparatus for half-soling heels. W. Lookofsky. 2,204,965; June 18.
Apparatus for linking pipes. C. E. Bennett. 2,204,785; June 18.
Apparatus for mixing fluids. E. W. Gard and B. G. Aldridge. 2,205,089–90; June 18.
Apparatus for packaging beverages. R. J. Stewart. 2,204,832; June 18.
Apparatus for preparing granular coffee. A. J. Hazle, Jr. 2,204,591; June 18.
Apparatus for producing activated carbonaceous materials. O. Heller. 2,205,011; June 18.
Apparatus for stowing rock in a coal mine. T. E. Pray. 2,205,124; June 18.
Apparatus for the recovery of salts from aqueous solution. E. A. C. Smith. 2,204,777; June 18.
Apparatus for treating metal articles. D. C. Turnbull. 2,204,636; June 18.
Apparatus to mechanize the conjugation of English verbs. J. N. González. 2,204,931; June 18.
Arc welding apparatus. J. P. Tripp. 2,205,002; June 18.
Artichoke trimming machine. L. Dotta. 2,204,846; June 18.
Ashtray. M. J. Miller. 2,205,377; June 18.
Attachment for shoes, Tap dancing heel and toe. C. Carrara. 2,205,344; June 18.
Automobile hood. J. Haltenberger. 2,204,990–1; June 18.
Automobile license plate lock. W. F. A. Buehner. 2,204,790; June 18.
Automobile turning signal. P. Palmgren. 2,205,048; June 18.
Awning enclosure. C. D. Lowry and P. E. Spahn. 2,205,015; June 18.
Azo compounds and coloring therewith. J. G. McNally and J. B. Dickey. 2,204,607; June 18.
Bait, Casting. J. W. Singleton. 2,204,552; June 18.
Baling machine feeder. S. Russell. 2,205,278; June 18.
Base, Annealing. C. E. Freeland. 2,204,889; June 18.
Base, Appliance. W. H. Fischer. 2,204,930; June 18.
Bathing cap. J. C. Johnson. 2,204,895; June 18.
Bathtub shower. I. J. D. Fairhurst. 2,204,929; June 18.
Battery tester. E. T. Stratton. 2,205,316; June 18.
Bearing. W. Rohn. 2,205,049; June 18.
Beer cooler, Ice water. M. E. Sullivan. 2,205,318; June 18.
Beverages, Packaging. D. B. Stone. 2,204,833; June 18.
Bicycle lamp. A. J. Seiss. 2,204,707; June 18.
Bicycle lock. P. W. Olson. 2,204,908; June 18.
Billfold. R. N. Lupfer. 2,205,267; June 18.
Bimetallic element. K. E. Whitney. 2,205,162; June 18.
Binder, Loose leaf. C. D. Trussell. 2,204,918; June 18.
Binding agent of the Portland cement type and manufacturing same, Sintered. G. Frenkel. 2,204,959; June 18.
Bit: *See*—
Roller bit.
Blasting initiator, Electric. C. R. Johnson. 2,204,994; June 18.
Blind, Burglarproof. W. A. Rowley. 2,205,156; June 18.
Blind landing system. E. M. Sorensen. 2,204,628; June 18.
Blind, Venetian. A. W. Larrison. 2,204,937; June 18.
Blower, Bubble. H. L. Bloxom. 2,205,028; June 18.
Blowpipe. F. C. Hasse and L. W. Young. 2,204,756; June 18.
Boat construction. G. Broschat. 2,205,134; June 18.
Book, Continuous manifolding. W. H. Hope, Jr. 2,204,678; June 18.
Bore hole direction tester. G. Tipter. 2,205,022; June 18.
Boring device. D. T. Beardsley. 2,205,237; June 18.
Boring device. C. A. Johnson. 2,204,860; June 18.
Boring head. F. P. Healy. 2,204,855; June 18.
Bottle cooler. H. R. Heintzen. 2,204,804; June 18.
Bottle forming machine, Narrow neck. S. E. Winder. 2,205,261; June 18.
Box: *See*—
Miter box.
Bracket: *See*—
Prefabricated bracket.
Brake apparatus. R. A. Avery. 2,204,720; June 18.
Brake apparatus, Load. G. K. Newell. 2,204,815; June 18.
Brake cylinder device. C. C. Farmer. 2,204,795; June 18.
Brake device, Empty and load. J. J. Sinclair and S. L. Williams. 2,204,830; June 18.
Brake lever assembly, Emergency. A. L. Johnson. 2,204,893; June 18.
Brake mechanism. J. C. McCune and G. K. Newell. 2,204,807; June 18.
Brake valve, Remote controlled vacuum. D. F. Searle. 2,204,706; June 18.
Bridge table. L. O. Quillin and R. L. Cook. 2,204,822; June 18.
Broaching machine. M. Romaine, A. H. Hawley, and H. Horlacher. 2,205,277; June 18.
Brush or squeegee, Foldable. J. D., W. J., and I. H. Lorenz. 2,204,806; June 18.
Bucket, Clamshell. W. M. Venable. 2,205,325; June 18.
Bucket operating mechanism. J. B. Botten. 2,204,883; June 18.
Building. W. S. Rugg and H. D. James. 2,205,109; June 18.

Building frame structure. H. W. Buelow. 2,204,566; June 18.
Bunch builder, Automatic. G. Bickford. 2,204,786; June 18.
Burner: *See*—
Gas and oil burner. Oil burner.
Bushing for use in rotary tables. L. F. Baash. 2,204,646; June 18.
Bushing, Rotary table. L. F. Baash. 2,204,647; June 18.
Butt welding machine. E. B. Hudson. 2,204,858; June 18.
Cable and rope winding device. G. F. Le Bus. 2,204,938; June 18.
Cable tool. J. H. Burt. 2,205,238; June 18.
Cables, Manufacture of electric. J. C. Swallow and M. W. Perrin. 2,204,737; June 18.
Cage for roller bearings. J. F. Cornell. 2,205,372; June 18.
Calendar, Perpetual. V. A. Whyatt. 2,205,326; June 18.
Call recording system, Automatic. W. W. Carpenter and W. H. Matthies. 2,204,957; June 18.
Camera. C. F. O'Brien. 2,204,819; June 18.
Cap: *See*—
Bathing cap.
Capper, Bottle. T. Farmer. 2,204,851; June 18.
Car: *See*—
Hot metal car. Railway sleeping car.
Car construction, Railway. G. G. Gilpin. 2,204,674; June 18.
Car wheel, Resilient. R. J. Wittmer. 2,204,953; June 18.
Carburetor, Compensating. J. C. Benner. 2,205,027; June 18.
Card shearing machine. C. W. Straubel. 2,204,736; June 18.
Carrier: *See*—
Luggage carrier.
Carton. A. L. Aste. 2,205,332; June 18.
Carton. E. C. Potter. 2,205,068; June 18.
Carton. P. E. Schrell. 2,205,157; June 18.
Carton for containing straws and the like. B. R. Farrand. 2,205,158; June 18.
Case: *See*—
Vanity case.
Case for toilet accessories. H. S. King. 2,205,205; June 18.
Cash register. W. E. Eickman. 2,204,848; June 18.
Casing, Switch. B. P. Pond. 2,204,695; June 18.
Casket placer. J. R. Brady. 2,205,057; June 18.
Catafalque, Collapsible. M. Lange. 2,205,295; June 18.
Catalysts and preparing them. L. Heard. 2,205,140; June 18.
Catalysts, Production of shaped. M. Pier and E. Anthes. 2,204,619; June 18.
Centering means for drilling machine spindles. G. Möller. 2,204,811; June 18.
Ceramic composition, Wear-resistant. W. B. Donahue. 2,204,582; June 18.
Chain for automobile tires, Cross. J. E. Devlin. 2,204,886; June 18.
Chair: *See*—
Portable chair.
Check valve. J. T. Newberry. 2,205,150; June 18.
Chimney. F. F. Beeby. 2,204,955; June 18.
Chlorine and production of valuable by-products, Generating. E. E. Dougherty. 2,204,888; June 18.
Chlorine, Production of. H. S. Miller. 2,204,733; June 18.
Cigar machine, High speed. S. Clausen. 2,204,980; June 18.
Circuit: *See*—
Amplifier circuit.
Interference rejection circuit.
Circuit breaker, Electric. P. Thieme. 2,205,321; June 18.
Circuit interrupter. E. K. Clark. 2,205,240; June 18.
Circuits, Automatic volume control. J. Steinmetz. 2,204,973; June 18.
Circuits, Testing of electrical. H. A. Peterson. 2,205,173; June 18.
Clamp: *See*—
Hose clamp.
Clamping device. L. G. Chalchoff. 2,204,663; June 18.
Clasp. E. Haeffner. 2,205,092; June 18.
Clasp or connector, Jewelry. A. H. Levesque. 2,205,215; June 18.
Cleaning machine. W. R. Fitzgerald and A. Docken. 2,205,249; June 18.
Clip supporting means for enclosures. J. Kacena and P. W. Vandenberg. 2,205,360; June 18.
Closure. H. W. Snodgrass. 2,204,831; June 18.
Cloth, Shoe dressing and polishing. J. C. Hester. 2,205,063; June 18.
Clutch: *See*—
Air-liquid clutch. Hydraulic clutch.
Clutch. P. H. Batten and K. L. Bastrup. 2,204,879; June 18.
Clutch and brake mechanism, Hydraulic. J. Haller. 2,204,589; June 18.
Clutch assemblage, Power. A. R. Stone. 2,204,554; June 18.
Coal and the like, Protecting. G. M. Wattles. 2,204,781; June 18.
Coal mining machine. J. F. Joy. 2,205,012; June 18.
Coating. J. D. Murray. 2,204,550; June 18.
Coating composition. J. W. Clough. 2,204,981; June 18.
Coating, Enteric. E. H. Volwiler and M. B. Moore. 2,205,111; June 18.
Coffee processing. W. Kappenberg. 2,204,896; June 18.
Coil support for electromagnets. G. C. Armstrong and D. Ellis. 2,205,234; June 18.
Coin collector apparatus. D. G. Blattner. 2,204,747; June 18.
Coin or token handling apparatus. E. Goodman. 2,204,853; June 18.
Coin slide structure, Visible. A. Dahlstrom. 2,204,845; June 18.
Comb. W. Huppert. 2,205,200; June 18.
Combing machine. J. W. Nasmith. 2,204,944; June 18.
Compensation for distortion in sharply tuned circuits. R. L. Freeman. 2,205,007; June 18.
Composition of matter and using same. I. E. Muskat. 2,204,812; June 18.
Compound implement. L. J. Whitney. 2,204,740; June 18.
Concrete building construction. H. P. Falls. 2,204,583; June 18.
Condensation products. H. Schuette, C. Schoeller, and M. Wittwer. 2,205,021; June 18.
Condenser: *See*—
Trimming condenser.
Condenser winding machine. E. M. Kile and S. Kain. 2,205,171; June 18.
Conditioning apparatus. W. N. Bray. 2,204,656; June 18.
Connector: *See*—
Electrical connector. Wire connector.
Connector plug, Electric. G. E. Andre. 2,205,186; June 18.
Container: *See*—
Dispensing container.
Package and non-corrodible container.
Container. S. P. McDaniels. 2,204,765; June 18.
Container for pills and the like, Dispensing. L. H. Priddy. 2,204,821; June 18.
Containers, Forming metallic. J. H. Murch. 2,204,549; June 18.
Control apparatus, Automatic. J. L. Whitten. 2,205,182; June 18.
Control apparatus for engine starters. J. B. Dyer. 2,205,375; June 18.
Control means for fluid-operated clutches. R. W. Strout. 2,204,710; June 18.
Control system for a plurality of motors. A. L. Riche. 2,204,949; June 18.
Control, Thermally governed. M. W. Gathercole. 2,204,890; June 18.
Conveyer. A. C. Sherrill. 2,204,828; June 18.
Cooky icing machine. G. Studebaker. 2,205,317; June 18.
Cooler: *See*—
Bottle cooler.
Cooling system. J. M. Thompson. 2,205,128; June 18.
Copper oxide rectifier. C. C. Hein. 2,205,263; June 18.
Cord-anchoring device. S. M. Del Camp. 2,205,348; June 18.
Cord and making same. J. E. Farrell. 2,205,285; June 18.
Cord, Manufacturing windlace. J. S. Reid. 2,204,622; June 18.
Cord, Method and apparatus for making electric conductor. H. H. Wermine. 2,204,782; June 18.
Cord reel and outlet plug, Combination electrical. C. R. Lyons. 2,204,939; June 18.
Core machine, Horizontal. H. G. Floyd. 2,205,035; June 18.
Coupling: *See*—
Hydraulic coupling. Safety coupling.
Course and position indicator, Visible. F. H. Hagner. 2,205,357; June 18.
Cover fastener. W. F. Newhouse. 2,204,865; June 18.
Cover for kitchen chair pads, Slip. M. Morgenstern. 2,205,302; June 18.
Crucible handling mechanism. H. F. Hagemeyer. 2,205,093; June 18.
Crucible support. R. D. York. 2,205,023; June 18.
Cultivator. B. O. Cuddigan and B. J. Mondloch. 2,205,188; June 18.
Cup, Colostomy. M. Perry. 2,205,270; June 18.
Cup, Measuring. N. Eskilson. 2,204,730; June 18.
Current rectifiers or converters, Forced commutation of. U. Lamm and A. Karsberg. 2,204,805; June 18.
Cutter blades, Relief grinding. E. Wildhaber. 2,204,714; June 18.
Cyano-2-butadiene-1,3, Preparing. A. S. Carter and F. W. Johnson. 2,205,239; June 18.
Cycle saddle post. H. E. Kalter. 2,205,014; June 18.
Cyclohexane and acetone, Producing. E. P. Bartlett. 2,204,978; June 18.
Cyclohexene, Preparation of. E. C. Britton, R. C. Dosser, and J. J. Sculati. 2,204,565; June 18.
Decorative material. M. J. Schifrin. 2,204,776; June 18.
Dehairing device. J. Gonsor. 2,204,755; June 18.

Dentistry, Method and means for use in. J. S. Miller and C. R. Waller. 2,204,809; June 18.
Derrick, Portable. C. White, Jr. 2,204,713; June 18.
Designs in polorazing material, Forming. E. H. Land. 2,204,604; June 18.
Detecting mechanism for sole grading machines. D. Parks. 2,204,820; June 18.
Device for assembling ball bearings. P. C. Booty, Jr. 2,204,655; June 18.
Device for dispensing measured quantities of divided solid material. E. J. Barnett. 2,205,129; June 18.
Device for handling aircraft. R. H. Fleet, W. B. Wheatley, and I. M. Laddon. 2,204,546; June 18.
Device for loading film casettes. W. Stein. 2,205,052; June 18.
Device for regulating the feed to machines for treating fibrous material. F. Mutter. 2,205,304; June 18.
Device for the simultaneous sterilization of a nursing bottle and its nipple. G. Lambert. 2,204,683; June 18.
Device for washing photographic prints. R. C. Thackeray. 2,205,053; June 18.
Diamidino stilbenes. A. J. Ewins and J. N. Ashley. 2,204,983; June 18.
Die protection means, Printing. J. W. Ogden. 2,204,968; June 18.
Die threader, Electric. F. E. Mayotte. 2,205,148; June 18.
Differential protective scheme. E. H. Klemmer. 2,205,206; June 18.
Digesting process and apparatus. T. L. Dunbar. 2,205,374; June 18.
Discharge device. J. Slepian. 2,205,225; June 18.
Dishwashing and sterilizing apparatus. W. R. Adams. 2,205,113; June 18.
Disk earth-working implement, Tandem. C. Le Bleu. 2,204,684; June 18.
Dispenser: *See*—
Liquid dispenser.
Dispensing container. A. J. Callaghan and L. J. McCarthy. 2,205,082; June 18.
Dividing head. E. J. Kearney and J. B. Armitage. 2,205,361; June 18.
Door and making the same, Automobile. B. C. Place. 2,204,551; June 18.
Door construction, Garage. W. D. Ferris. 2,204,852; June 18.
Door fastener. W. M. Dwyer. 2,204,753; June 18.
Door opening mechanism. W. F. Weathers. 2,204,638; June 18.
Dough rolling and cutting device. P. A. Rossi. 2,204,825; June 18.
Draft gear. R. C. Pierce and E. P. Kinne. 2,205,066; June 18.
Drill: *See*—
Rock drill.
Drilling and coring apparatus. J. F. Chappell. 2,204,844; June 18.
Driving means for engraving and copying machines. K. Zwick. 2,204,841; June 18.
Driving mechanism of the barrel type. P. G. Cazes. 2,205,083; June 18.
Drum. W. Gussak. 2,204,987; June 18.
Dust collector. J. H. Hamilton. 2,204,590; June 18.
Dye compositions. I. F. Chambers and A. L. Fox. 2,205,032; June 18.
Dyeings, Producing. C. Graenacher. 2,204,932–3; June 18.
Dyestuff intermediates of the anthraquinone series. W. L. Rintelman. 2,204,970; June 18.
Dyestuffs, Anthraquinone. S. Coffey, N. H. Haddock, and C. Wood. 2,204,749; June 18.
Dyestuffs insoluble in water, Monoazo. E. Fischer. 2,204,958; June 18.
Dyestuffs of the acid wool class. E. C. Buxbaum. 2,204,748; June 18.
Dyestuffs of the anthraquinone series. A. J. Wuertz and W. L. Rintelman. 2,204,741–2; June 18.
Easel, Fiberboard cutout. C. I. Bellelsle. 2,204,881; June 18.
Edge grinding apparatus. H. J. Hamann and C. B. Williams, Jr. 2,205,009; June 18.
Electric arc. N. Pierron and P. Aubry. 2,205,067; June 18.
Electric discharge device. K. Siebertz. 2,204,999; June 18.
Electric discharge device. V. K. Zworykin and L. Malter. 2,205,055; June 18.
Electric discharge device control system. K. Seethaler. 2,205,221; June 18.
Electric discharge device for high operating voltages. M. Steenbeck. 2,205,231; June 18.
Electric discharge device. Gas or vapor filled controllable. M. Steenbeck. 2,205,230; June 18.
Electric furnace, Roller-hearth type. F. R. J. Davis and G. P. Lessmann. 2,205,242; June 18.
Electric lamp. H. J. Spanner. 2,205,000; June 18.
Electric motor. G. F. Shotter. 2,204,916; June 18.
Electric switch. P. A. Heady. 2,104,892; June 18.
Electrical apparatus. H. R. Arnold. 2,205,236; June 18.
Electrical apparatus. D. E. Olshevsky. 2,205,306; June 18.
Electrical connection means. H. A. Douglas. 2,205,244; June 18.
Electrical connector, Vice type. M. Lee. 2,204,899; June 18.
Electrical resistor. M. Pirani. 2,205,308; June 18.
Electrical switching device. H. A. Douglas. 2,205,245; June 18.
Electrode for protecting buried metallic structures from corrosion, Composite. G. I. Rhodes. 2,204,823; June 18.
Electrode holder, Welding. J. H. Faunce. 2,204,545; June 18.
Engine: *See*—
Internal combustion engine
Engine control, Internal combustion. D. Gregg and R. Daalder. 2,205,354; June 18.
Engine method and apparatus, Internal combustion. F. D. Butler. 2,204,570; June 18.
Engine starting mechanism. H. Baer. 2,205,333; June 18.
Engine starting mechanism. R. P. Lansing. 2,205,041; June 18.
Envelope, Quick opening. G. A. H. Nuyts. 2,204,690; June 18.
Erection gauge. A. F. Blessing. 2,205,339; June 18.
Expansion valve. J. E. Dube. 2,205,166; June 18.
Explosive. W. Brün. 2,205,116; June 18.
Exposure meter. H. Schwartzmann. 2,205,312; June 18.
Extension table. W. C. Rastetter. 2,205,274; June 18.
Extractor: *See*—
Fruit extractor. Juice extractor.
Extruding machine for clay, soap, and other plastic materials. A. F. Wills. 2,205,328; June 18.
Eye protecting device. E. D. Tillyer. 2,204,631; June 18.
Fabric: *See*—
Glass fabric.
Fabric having elastic thread incorporated therein and making same, Plain knitted ornamented. J. L. Getaz. 2,204,731; June 18.
Fabrics, Production of knitted. K. M. Uphill and A. F. Guyler. 2,204,711; June 18.
Fan support. G. H. Koch. 2,204,995; June 18.
Fastener: *See*—
Cover fastener. Rail fastener.
Door fastener. Slide fastener.
Fastener. F. N. Ashworth. 2,204,561; June 18.
Fastener member, Snap. J. Kral. 2,205,363; June 18.
Fastener slider, Interlocking. H. Axthelm. 2,204,562; June 18.
Fastening device. W. and C. C. Shipee. 2,204,829; June 18.
Fastening means. G. C. Harbison. 2,205,259; June 18.
Feed for tinning machines and the like, Automatic. C. Imboden. 2,204,548; June 18.
Feeder: *See*—
Baling machine feeder.
Fence machine, Wire. H. L. Kitselman. 2,204,602; June 18.
Fibrous structures to form a connected fibrous band, Method and device for separating and uniting artificial. E. Hamel. 2,205,036; June 18.
Filing machine, Convertible. L. A. Wilkie. 2,204,840; June 18.
Film apparatus. A. W. Tondreau. 2,204,917; June 18.
Film gate. K. Brenkert. 2,204,884; June 18.
Film, Picture sound. J. Eggert and H. F. Nissen. 2,204,668; June 18.
Film, Subbing photographic. J. G. McNally and R. H. Van Dyke. 2,204,608; June 18.
Filter: *See*—
Variable width band-pass filter.
Filter with inductive shunt, Piezoelectric crystal. N. M. Rust. 2,204,702; June 18.
Filtering. W. H. Alton. 2,205,331; June 18.
Finger ring, Bimetallic. W. E. Eccles. 2,205,006; June 18.
Fire escape. T. A. Barham. 2,205,026; June 18.
Fire extinguisher. G. E. Ferguson. 2,204,798; June 18.
Fish catcher, Automatic. D. Allison. 2,204,560; June 18.
Fishing rod holder. R. P. Parisio. 2,204,692; June 18.
Flashlight. L. W. Blau. 2,205,163; June 18.
Flashlight. A. J. Desimone. 2,204,752; June 18.
Float, Electric. F. H. Fisher. 2,205,352; June 18.
Flooring. F. A. Grunert. 2,204,675; June 18.
Flowerpot for water-cultured plants. W. P. Munsell. 2,205,303; June 18.
Fluid compressor. G. K. Newell. 2,204,814; June 18.
Fluid control device. O. Jensen. 2,204,760; June 18.
Fluids, Commingling. W. R. Eckart. 2,205,284; June 18.
Flusher for toilets or the like, Foot operated. C. W. Rehback. 2,204,867; June 18.
Folding machine. G. Spiess. 2,205,127; June 18.
Food product and its preparation. F. Hammond. 2,205,094; June 18.
Food tenderizer. D. C. Bragg. 2,205,133; June 18.
Foods, Stabilization of. C. Ellis and F. Dannerth. 2,204,728; June 18.
Foot covering. S. H. Geffner. 2,205,091; June 18.
Footwear. A. Ingram. 2,204,679; June 18.
Force feed lubricator. H. E. Anderson. 2,204,878; June 18.
Form for displaying clothing. R. R. Williamson. 2,204,876; June 18.

Form, Garment. T. Eisenberg. 2,205,136; June 18.
Frame: *See*—
Motor frame. Windshield frame.
Frame for counters and tables. H. Gottesman. 2,205,376; June 18.
Fryer and cooker, Combination. E. M. Trackwell. 2,205,160; June 18.
Fuel composition, Motor. R. Rosen. 2,205,107; June 18.
Furnace: *See*—
Electric furnace.
Fuse plug and receptacle base therefor. R. V. Pond. 2,204,948; June 18.
Game apparatus. M. C. Morrill. 2,205,217–8; June 18.
Game apparatus, Amusement. L. A. Durant. 2,205,060; June 18.
Garment hanger. C. L. Wells. 2,204,875; June 18.
Gas analyzing apparatus. J. D. Morgan and A. P. Sullivan. 2,204,966; June 18.
Gas and oil burner, Combination. J. S. Zink. 2,204,719; June 18.
Gas lift valve. C. V. Temple. 2,204,834; June 18.
Gas, Producing. J. U. McDonald. 2,204,902; June 18.
Gas washing means. O. R. Rice and W. C. Schofield. 2,204,771; June 18.
Gases obtained from roasting, Purification of sulphur dioxide-containing technical. E. Berl. 2,204,543; June 18.
Gases, Purification of. S. A. Le Croy. 2,205,122; June 18.
Gate: *See*—
Film gate.
Gauge: *See*—
Erection gauge.
Gauge and saw guide, Combination miter. C. P. Jacobsen. 2,205,095; June 18.
Gear: *See*—
Draft gear.
Gear for brakes, Variable leverage. A. G. H. Carlbom. 2,204,925; June 18.
Gear structure, Railway brake. E. A. Le Beau. 2,205,211; June 18.
Gearing, Continuously variable. H. H. Bugden. 2,205,031; June 18.
Generator: *See*—
Oscillation generator.
Generator drive. W. F. Mercer. 2,204,943; June 18.
Gin and cleaner, Cotton. D. C. Griffin. 2,204,803; June 18.
Gland, Stuffing. D. C. Sharp. 2,204,915; June 18.
Glass articles and bath therefor, Tempering. W. W. Shaver. 2,205,181; June 18.
Glass articles, Tempering. W. W. Shaver. 2,205,180; June 18.
Glass fabric, Coated. C. S. Hyatt and J. C. Lowman. 2,204,859; June 18.
Glass, Method and apparatus for use in the manufacture of laminated safety. E. L. Walters. 2,205,003; June 18.
Glow plug. A. F. Klingner. 2,205,145; June 18.
Glycerides, Treatment of partially rancid. C. Ellis and F. Dannerth. 2,204,729; June 18.
Golf ball retriever. C. Christensen. 2,205,345; June 18.
Golf club. R. Strasser. 2,204,974; June 18.
Governor mechanism. E. E. Woodward. 2,204,639–40; June 18.
Governor with large anticipation, Centrifugal. C. R. Hanna. 2,205,257; June 18.
Grate shaking mechanism for fuel burning apparatus. C. H. Holmes and G. F. Geis. 2,205,291; June 18.
Greeting replica. H. Hayes. 2,205,262; June 18.
Grinding machine. J. Decker. 2,205,373; June 18.
Grinding tool. H. Schneider. 2,204,826; June 18.
Grip exerciser. A. D. Vick. 2,205,161; June 18.
Grooving tool. S. Carelli. 2,205,343; June 18.
Guard, Road. C. C. Ahles. 2,204,556–9; June 18.
Guard, Tire. F. A. Hart. 2,205,260; June 18.
Gun, Spray. A. F. Jenkins. 2,204,599; June 18.
Hair curling process. R. Kriss. 2,204,936; June 18.
Handle: *See*—
Operating handle.
Hanger: *See*—
Garment hanger.
Harvester. A. Kowalsky. 2,204,682; June 18.
Hat protector. M. H. Friedler. 2,205,062; June 18.
Heat exchange apparatus. A. J. Larrecq. 2,205,266; June 18.
Heat exchanger. R. S. Nelson and A. D. Siedle. 2,204,613; June 18.
Heat exchanger, Making a. R. S. Nelson and A. D. Siedle. 2,204,614; June 18.
Heat exchanger unit. A. Howard. 2,205,292; June 18.
Heater: *See*—
Space heater.
Heating system. F. H. Smith. 2,204,708; June 18.
Hinge applying machine. L. Triolo. 2,205,367; June 18.
Hitch, Trailer. E. R. Beriuti. 2,204,882; June 18.
Hold-down mechanism. G. E. Moore. 2,204,904; June 18.
Holder: *See*—
Electrode holder. Tag holder.
Fishing rod holder. Tree holder.
Roll holder.
Holder and pad, Pad. M. C. Dykes. 2,205,034; June 18.
Holder for electric irons, Cord. G. Gunderson. 2,205,139; June 18.
Holder for rodents, Poison. W. G. Rose. 2,205,125; June 18.
Hopper, Double pan. J. C. Schumacher. 2,204,704; June 18.
Hopper mechanism. P. E. Double. 2,205,087; June 18.
Hose clamp. F. L. Darling. 2,205,347; June 18.
Hot metal car. S. W. Randolph. 2,205,154; June 18.
Hydraulic actuating means. R. M. Nardone. 2,205,046; June 18.
Hydraulic clutch. E. E. Wemp. 2,205,054; June 18.
Hydraulic control. G. E. Barnhart. 2,204,649; June 18.
Hydraulic fluid. J. C. Woodhouse. 2,205,183; June 18.
Hydrocarbons, Dehydrogenation of. L. Heard. 2,205,141; June 18.
Hydrocarbons, Purification of halogenated. F. M. Clark. 2,205,187; June 18.
Hydrocarbons, Treating. S. C. Fulton and T. Cross, Jr. 2,204,673; June 18.
Identification and recording device. E. W. Davis and A. H. Maynard. 2,204,577; June 18.
Ignition distributor. F. L. Van Damme. 2,205,074; June 18.
Immersion apparatus. J. Schappi. 2,204,775; June 18.
Impedance network for coupling electric cable circuits. A. D. Blumlein. 2,204,721; June 18.
Impedance network, Uniform. H. A. Wheeler. 2,204,712; June 18.
Indicator: *See*—
Time indicator. Tire indicator.
Indole derivatives, Sulphonated. K. Engel. 2,204,544; June 18.
Induction-motor braking. Q. Graham. 2,205,252; June 18.
Insect repellent. W. H. Tisdale and I. Williams. 2,205,232; June 18.
Insulating material and its manufacture. P. S. Denning. 2,204,581; June 18.
Insulation testing instrument. R. Waldo. 2,204,836; June 18.
Interference rejection circuit. E. I. Anderson and G. Mountjoy. 2,204,954; June 18.
Internal combustion engine. C. S. Brown. 2,204,842; June 18.
Internal combustion engine. R. M. Nardone. 2,205,047; June 18.
Iron and steel, Desulphurization of. I. E. Muskat. 2,204,813; June 18.
Iron oxide briquette. G. S. Mican, R. H. Steinberg, and S. F. Urban. 2,205,043; June 18.
Ironing device. J. P. Ahlbrandt. 2,204,744; June 18.
Ironing device, Flexible. S. J. Miller. 2,204,996; June 18.
Irrigation border filler. W. F. Hiesermann. 2,205,038; June 18.
Jack and wheel locking arrangement for automobiles or like vehicles, Combination lifting. P. Ostruk. 2,204,997; June 18.
Jar or similar article, Double ended. A. Abrams. 2,204,784; June 18.
Joint: *See*—
Threaded joint. Universal joint.
Tool joint.
Joint, Making a. F. E. Gray. 2,205,008; June 18.
Joint or connection, Reinforced. G. A. Tinnerman. 2,205,323; June 18.
Juice extractor, Citrus. W. E. Clark. 2,205,059; June 18.
Juice extractor, Fruit. P. F. Koch. 2,204,964; June 18.
Ketones and ketols, Purification of. F. Bresler and A. Drasky. 2,204,956; June 18.
Knitting machine, Flat. K. P. Spindler. 2,204,629; June 18.
Lactic acid, Purification of. I. L. Haag and C. A. Vana. 2,205,256; June 18.
Lamp: *See*—
Bicycle lamp. Portable lamp.
Electric lamp.
Landing system. S. E. Adair. 2,205,185; June 18.
Latch: *See*—
Screen retaining latch.
Laundry washer. H. L. Belding. 2,205,130; June 18.
Lead which contains bismuth, Refining. J. O. Betterton and Y. E. Lebedeff. 2,204,651; June 18.
Leaf spring. G. D. Mainard. 2,204,940; June 18.
Leather, Treatment of. O. Grimm and H. Rauch. 2,205,355; June 18.
Leg construction. T. J. Litle, Jr. 2,204,686; June 18.
Lifter. H. L. Campbell. 2,204,843; June 18.
Light and lighting system, Combined direct and indirect. H. R. Robinson and A. J. C. Knudstrup. 2,205,310; June 18.
Lighting fixture. W. F. Little. 2,204,687; June 18.
Line justifier for key operated printing machines. W. J. Hausman. 2,205,289; June 18.
Lineman's protective device. H. W. Johns. 2,205,039; June 18.
Liner, Pump. P. L. Scott. 2,204,626; June 18.
Liners in wells, Setting drillable. E. B. Hall and A. L. Armentrout. 2,205,119; June 18.
Link, Adjustable. M. W. Newcomb. 2,205,065; June 18.
Lint treating device. R. W. McLean. 2,205,017; June 18.
Liquid dispenser, Self-measuring. A. D. Walstrom. 2,204,838; June 18.

Liquid distributing apparatus. C. V. Dame. 2,204,751; June 18.
Loaf feeding and timing device, Continuous. R. J. Beutel. 2,205,338; June 18.
Lock: *See*—
Automobile license plate Bicycle lock.
lock.
Lock for automobiles, Automatic four door. S. Lesser. 2,205,212; June 18.
Locking device. E. S. Culver. 2,204,928; June 18.
Locomotive vehicle. B. S. Cain. 2,205,280; June 18.
Loom. J. Lucas. 2,204,606; June 18.
Loom letoff. D. L. Moore and B. O. Morrow. 2,205,149; June 18.
Looms, Electrically controlled shedding mechanism for. W. Hamilton. 2,204,891; June 18.
Lubricant, Compounded. R. L. Humphreys and V. N. Borsoff. 2,204,597; June 18.
Lubricant, Compounded. F. W. Kavanagh, V. N. Borsoff, and R. L. Humphreys. 2,204,601; June 18.
Lubricants, Preparation of. J. M. Musselman and H. P. Lankelma. 2,205,172; June 18.
Lubricating composition. C. F. Prutton and A. K. Smith. 2,204,620; June 18.
Lubricator: *See*—
Air-line lubricator. Force feed lubricator.
Luggage carrier, Collapsible. J. P. Rock. 2,204,824; June 18.
Machine for arranging and stacking biscuits or the like. J. C. Paterson. 2,205,106; June 18.
Machine for cutting brick or the like. R. H. Stahl. 2,205,313; June 18.
Machine for cutting leather. R. N. Dunkle. 2,204,727; June 18.
Machine for dyeing fabrics. F. C. Wedler. 2,204,830; June 18.
Machine for forming the bottoms of bags. E. E. Anderson. 2,205,005; June 18.
Machine for forming tubular bodies. W. H. Bonham. 2,205,029; June 18.
Machine for making wall strips. J. Iwaniw. 2,205,201; June 18.
Machine for manufacturing propeller blades by copying. P. J. P. Ratié. 2,204,696; June 18.
Machine for the ornamentation of welts. J. Hoza. 2,204,993; June 18.
Magazine. B. W. Fry. 2,205,192; June 18.
Magnesium alloy. A. Burkhardt and R. Knabe. 2,204,568; June 18.
Magnesium alloy of high strength. A. Burkhardt and R. Knabe. 2,204,567; June 18.
Manifolding attachment for typewriters. A. B. Cooke. 2,205,165; June 18.
Marking implement. F. A. Sturm. 2,204,778; June 18.
Massage table. K. A. Rupp. 2,204,624; June 18.
Mast, Portable derrick. W. B. Woody. 2,204,716; June 18.
Material crease-resistant and products obtained thereby, Rendering cellulose-containing. G. Heberlein, Jr., E. Weiss and H. Hemmi. 2,205,120; June 18.
Material-feeding apparatus and method. W. H. Venable. 2,205,324; June 18.
Material handling mechanism. E. J. Woltz. 2,205,004; June 18.
Material moving apparatus. J. F. Joy. 2,205,013; June 18.
Material, Transit treating of. O. W. Randolph. 2,205,175; June 18.
Materials and composition therefor, Softening of textile. S. Lenher and L. B. Arnold, Jr. 2,205,042; June 18.
Materials from solution, Precipitation of. H. E. Lee and B. R. Muir. 2,204,898; June 18.
Matrices in duplicators, Fastening. L. Kampczyk. 2,204,935; June 18.
Matrices, Making. H. T. Nekton. 2,204,905; June 18.
Mattress. M. Marsack. 2,204,863; June 18.
Measuring and recording instrument. W. S. Macdonald and W. W. Frymoyer. 2,205,299; June 18.
Measuring device for lubricating systems. P. P. Teal. 2,205,320; June 18.
Mechanism for supplying fastenings. E. Moore. 2,204,689; June 18.
Memorandum device combined with means for mounting lamellar articles. M. Dirschl. 2,204,794; June 18.
Merchandising package. E. M. Brogden. 2,205,341; June 18.
Metal extrusion machine. G. T. W. Grieve. 2,204,961; June 18.
Metal forming machine. H. A. Berliner. 2,205,079; June 18.
Metals, Casting. J. Williams. 2,205,327; June 18.
Meter: *See*—
Exposure meter.
Meter mounting. E. G. Johansson. 2,205,202; June 18.
Meters or like electrical measuring instruments, Calibrating electricity. E. J. Riordan. 2,205,309; June 18.
Miliker claw. F. G. Hodsdon. 2,204,677; June 18.
Milling machine. R. B. Parker. 2,204,945–6; June 18.
Mirror, Illuminated. E. F. Wesson. 2,205,279; June 18.
Miter box. W. J. Parsons. 2,205,019; June 18.
Mixing device. N. W. Barnes. 2,205,334; June 18.
Mixing device. C. A. Madsen. 2,205,147; June 18.
Model test piece. O. W. Loudenslager and L. H. Donnell. 2,205,102; June 18.
Moistening and strip serving device. W. von Nessen and F. Lemle. 2,204,977; June 18.
Molded product. A. B. Ruddle. 2,204,913; June 18.
Money rack. T. Lindner. 2,205,298; June 18.
Motor: *See*—
Electric motor.
Motor. H. L. Rusch. 2,204,774; June 18.
Motor control system. W. Leukert. 2,205,214; June 18.
Motor control, Variable voltage. G. E. King. 2,205,204; June 18.
Motor for timing mechanism, Electrical. S. Zullo. 2,205,077; June 18.
Motor frame, Railway. E. O. Mueller and D. B. Charters. 2,205,219; June 18.
Motobus construction. G. L. Clingerman. 2,204,926; June 18.
Mounting: *See*—
Meter mounting.
Mounting for mirrors. L. H. Lehman. 2,204,862; June 18.
Movement-producing device. L. K. Davis. 2,204,791–2; June 18.
Mowing implement. A. E. Schmidt. 2,204,914; June 18.
Muffler. M. G. Zinsitz. 2,205,024; June 18.
Multicolor printing press. J. F. Loughery. 2,205,216; June 18.
Necktie. V. Naftali. 2,205,105; June 18.
Net, Collapsible fish landing. E. L. Spriggs and J. H. Butts. 2,205,229; June 18.
Note finder. M. P. Wright. 2,204,641; June 18.
Odor absorbent, Refrigerator. A. A. Randolph. 2,204,910; June 18.
Oil and water separator. E. J. Beach. 2,205,336; June 18.
Oil burner. M. Brittain. 2,205,340; June 18.
Oil, Compounded lubricating. R. L. Humphreys and V. N. Borsoff. 2,204,598; June 18.
Oil, Improving lubricating. L. A. Mikeska. 2,204,609; June 18.
Oil, Lubricating. R. C. Cantelo. 2,204,660–1; June 18.
Oils, Desulphurizing mineral. D. S. McKittrick. 2,204,903; June 18.
Oils, Lowering the pour points of mineral. F. R. Moser. 2,204,967; June 18.
Oils, Solvent refining petroleum. A. W. Hixson and R. Miller. 2,204,758; June 18.
Olefins, Polymerization of. D. R. Stevens and W. A. Gruse. 2,205,159; June 18.
1.4 alkylamino anthraquinone. J. Flaks. 2,205,191; June 18.
Opener, Bottle. W. T. Pearson. 2,205,152; June 18.
Opener, Envelope. O. Maximilian. 2,204,763; June 18.
Operating handle. A. Oberhoffken. 2,204,907; June 18.
Ore, differential flotation of mixed sulphide. W. D. Green. 2,205,194; June 18.
Ores, Reducing. E. W. Davis. 2,204,576; June 18.
Oscillation generation. J. van Slooten. 2,205,233; June 18.
Oscillator generator. J. F. Farrington. 2,205,190; June 18.
Package. H. Escobales. 2,204,850; June 18.
Package and noncorrodible container. F. C. Atwood. 2,204,746; June 18.
Packer, Belt. C. H. Hartman and W. R. Peterson. 2,205,010; June 18.
Packing for well devices. R. C. Baker. 2,204,648; June 18.
Pad for wind instrument keys. C. Michalek. 2,204,766; June 18.
Panel construction. R. Obermayr. 2,204,818; June 18.
Paper articles, Making. K. Clark. 2,204,664; June 18.
Paper, Coating. F. Kabela and G. F. Whiting. 2,204,600; June 18.
Paper, Sized. S. Musher. 2,204,612; June 18.
Partition construction. W. C. Douglas. 2,205,088; June 18.
Petroleum, Vapor-phase treatment of. T. B. Leech. 2,204,685; June 18.
Phonograph, Automatic. J. R. Mitchell. 2,205,268; June 18.
Photographic filter magazine. H. E. Schultz. 2,205,179; June 18.
Picking tool. M. J. Sarnecky. 2,204,734; June 18.
Picture variator, Proportional. W. E. Straubel. 2,204,709; June 18.
Piezoelectric crystal apparatus. W. P. Mason. 2,204,762; June 18.
Pile. C. G. Cappel. 2,204,924; June 18.
Pipe fitting. V. A. Hoffman. 2,205,197; June 18.
Piston construction. W. Wuerfel. 2,204,642; June 18.
Planer and the like. J. M. Walter. 2,204,874; June 18.
Plastic compositions. R. Rosen. 2,205,108; June 18.
Plastic for laminated safety glass. J. D. Ryan. 2,205,020; June 18.
Plastic material. J. Rivkin. 2,204,772; June 18.
Plug: *See*—
Connector plug. Glow plug.
Cord reel and outlet plug. Spark plug.
Polish, Silver. D. F. Brown and H. C. De Hoff. 2,205,115; June 18.

Portable chair. C. E. Bowles. 2,204,722; June 18.
Portable lamp, J. Gould, Jr. 2,204,986; June 18.
Pottery loading device. A. L. Schreiber. 2,205,178; June 18.
Powder puff. M. S. Landsman. 2,204,605; June 18.
Power transmission. J. W. Marsh. 2,205,300; June 18.
Power transmission apparatus, Variable speed. J. E. Freeborn. 2,204,800; June 18.
Power transmitter. G. Sauer. 2,205,176; June 18.
Prefabricated bracket, Welded rigid frame subway bent and. M. P. Korn. 2,205,362; June 18.
Press: *See*—
Multicolor printing press.
Printing die control, Disappearing. F. J. Rouan and E. H. Sorgatz. 2,204,971; June 18.
Printing mechanism for meter counters. W. F. Berck. 2,204,922; June 18.
Propeller and making same. W. J. Blanchard. 2,205,132; June 18.
Protection for controlled atmosphere furnaces. E. K. Hansen. 2,205,258; June 18.
Protector: *See*—
Hat protector.
Protector for footwear, Metal. W. Smit. 2,205,073; June 18.
Pulp density regulator. J. A. Adams. 2,204,644; June 18.
Pulpstone. C. L. Leafe. 2,205,296; June 18.
Pump: *See*—
Submersible pump.
Pumping apparatus. A. E. Hambly. 2,204,854; June 18.
Pumping device. C. Jacuzzi. 2,205,121; June 18.
Punch press tool. V. R. Heftler. 2,204,592; June 18.
Rack: *See*—
Money rack. Shoe rack.
Roasting rack.
Rack or stand, Receptacle. S. W. Swanson. 2,205,319; June 18.
Radiant heating means. W. W. Timmis and M. A. Michaels. 2,205,001; June 18.
Radio and other high frequency feeder arrangements. C. S. Franklin. 2,205,250; June 18.
Radio apparatus, Automotive. H. J. Tyzzer. 2,204,873; June 18.
Radio control system. A. Johnson. 2,205,170; June 18.
Radio enclosure. R. B. Blanke. 2,204,787; June 18.
Radio receiver. J. L. Schwaen. 2,205,365; June 18.
Radio receiving system, Remotely controlled. W. T. Powell. 2,205,272; June 18.
Rail fastener. N. Di Fatta. 2,205,282; June 18.
Rail retaining device. C. G. Ericson. 2,204,849; June 18.
Railway sleeping car. D. A. Crawford. 2,205,085; June 18.
Razor. T. C. Sheehan. 2,204,827; June 18.
Razor, Safety. H. H. Kempf and C. L. Woody. 2,204,680; June 18.
Reaction products of ortho-phosphitobenzoyl chloride and making same. H. G. Berger, W. H. James, and D. E. Badertscher. 2,205,337; June 18.
Receiver, Phase modulation. M. G. Crosby. 2,204,575; June 18.
Receiver, Superheterodyne. A. Schleimann Jensen. 2,205,359; June 18.
Receiver, Three electrode crystal phase modulation. M. G. Crosby. 2,204,574; June 18.
Rectifier. W. H. Bennett. 2,204,564; June 18.
Rectifier system. E. Kübler. 2,205,208; June 18.
Reed forming machine. P. Strano and R. E. Hulburt. 2,204,871; June 18.
Reel for blasting cables, Safety. G. T. Atkins. 2,205,056; June 18.
Refrigerant compressor control system. B. E. Shaw. 2,204,951; June 18.
Refrigerating apparatus. J. C. Chambers. 2,205,117; June 18.
Refrigerating apparatus. R. E. Gould. 2,205,138; June 18.
Refrigerating apparatus. L. A. Philipp. 2,205,364; June 18.
Refrigerator car construction. C. E. Crede. 2,204,665; June 18.
Register, Autographic. M. Macdonald. 2,205,016; June 18.
Register control of color printing presses. F. H. Gulliksen. 2,205,255; June 18.
Regulator: *See*—
Pulp density regulator.
Regulator. D. W. Exner. 2,205,350; June 18.
Regulator. F. H. Gulliksen. 2,205,254; June 18.
Reinforcing member for the springs of motor driven vehicles. A. P. C. Dell. 2,205,086; June 18.
Remote control system. E. C. S. Clench. 2,205,346; June 18.
Respirator. W. A. Whipple. 2,205,368; June 18.
Resuscitator. H. L. Swan. 2,204,738; June 18.
Rheostat and slip regulator, Liquid. W. Schaelchlin. 2,205,220; June 18.
Rheostat, Control. O. H. Hasselbaum. 2,205,288; June 18.
Rheostat unit, Control. O. H. Hasselbaum. 2,205,287; June 18.
Ring: *See*—
Finger ring.
Ring for containers, Clamping. H. A. Eggerss. 2,205,135; June 18.

Roaster and broiler, Combination. R. N. Kircher. 2,204,681; June 18.
Roasting rack. U. D. Irwin. 2,205,064; June 18.
Rock drill. E. B. Mead. 2,204,942; June 18.
Roll holder. S. N. Hope. 2,205,198; June 18.
Roller bit. C. Brendel. 2,204,657; June 18.
Rollers, Detachable and flexible riding. C. F. Johnsen. 2,204,934; June 18.
Roof framing implement. J. A. Cramer. 2,204,927; June 18.
Roofing. H. L. Parsons. 2,205,307; June 18.
Rotary machine. J. S. Morgan, Jr., and J. D. Spalding. 2,205,269; June 18.
Rotatable element, Radially demountable. R. A. Hammon and J. S. Winnefeld. 2,205,195; June 18.
Rubber composition and preservation of rubber. R. L. Sibley. 2,204,870; June 18.
Rubber, Method and apparatus for internally electrically heating expanding. F. W. Peel and C. J. Kilduff. 2,204,617; June 18.
Rubber, Vulcanization of. J. G. Lichty. 2,205,100–1; June 18.
Rubber, Vulcanization of. W. Scott. 2,205,070; June 18.
Safety coupling. J. Piper. 2,205,153; June 18.
Safety device for automobiles or airplanes, Fire. F. S. Smith. 2,204,735; June 18.
Safety structure for high pressure apparatus. H. Nieder reither. 2,204,816; June 18.
Safety valve. H. C. Henze. 2,204,757; June 18.
Salts, Extrusion of higher alkyl sulphate. C. O. Henke and R. G. Benner. 2,205,037; June 18.
Sandblast system, Direct impulse. L. D. Pelk. 2,204,618; June 18.
Sanitary valve. F. Hinrichs and G. N. Sery. 2,204,856; June 18.
Scotch for mine cars. C. H. Mead. 2,204,941; June 18.
Screen construction, Trommel. J. A. Traylor. 2,204,835; June 18.
Screen retaining latch. A. Lang. 2,204,761; June 18.
Screw driver. L. L. Greterman. 2,205,167; June 18.
Seal, Hand closed interlocking safety. M. Canter. 2,204,662; June 18.
Sealing machine. E. E. Hogg. 2,204,594; June 18.
Seat: *See*—
Valve seat.
Seat adjusting means. A. L. Johnson. 2,204,894; June 18.
Sedimentation. G. E. Hubbell. C. H. Scott, and G. M. Darby. 2,205,199; June 18.
Separator: *See*—
Oil and water separator.
Sewing machine, Shoe. J. M. Matheu. 2,204,901; June 18.
Shade, Roller window. R. H. Ebsworth. 2,204,847; June 18.
Shaft, Sinking a. J. B. Newsom. 2,204,906; June 18.
Shaker conveyer. R. E. Rankin. 2,204,770; June 18.
Shaker, Salt. V. A. Kasin. 2,205,040; June 18.
Sheet feeding apparatus. G. E. Wimmer. 2,204,715; June 18.
Sheet feeding apparatus, Automatic. T. S. Foweraker. 2,204,985; June 18.
Sheets, Method of and apparatus for making. R. M. Fenton. 2,204,984; June 18.
Shellfish dredging, Method and apparatus for. H. B. Flower. 2,204,584; June 18.
Shelving, Foldable, portable. Y. Goldman. 2,205,193; June 18.
Shield, Glare. L. A. Wells. 2,204,739; June 18.
Ships, Automatic steering of. E. Smola. 2,204,553; June 18.
Shock absorbing means for shuttles. R. Balfour. 2,205,025; June 18.
Shoe of elastic material. R. Gruensfelder and E. C. Neunuebel. 2,205,356; June 18.
Shoe rack. J. R. Lentz. 2,205,099; June 18.
Shoes, Manufacture of welt. K. Engel. 2,204,669; June 18.
Shutter for motion picture projectors. E. H. Michaelson. 2,204,864; June 18.
Sifter, Flour. T. Bailey. 2,204,920; June 18.
Signal: *See*—
Automobile turning signal. Warning signal.
Signal structure. A. Hallman. 2,205,169; June 18.
Signaling apparatus. R. S. Edwards. 2,205,189; June 18.
Sink and tub, Combination. F. J. Osuch. 2,205,018; June 18.
Ski and boat, Water. K. Sato. 2,205,050; June 18.
Skid, Adjustable engine. C. M. Anderson. 2,204,877; June 18.
Slide fastener. S. Segal. 2,204,627; June 18.
Slip for oil well tools. C. E. Burt. 2,204,659; June 18.
Snubber. J. A. Lamont. 2,205,098; June 18.
Socket and mounting plate, Combined. A. J. Schmitt. 2,205,051; June 18.
Socket, Radio and like. W. J. Larkin, Jr. 2,205,146; June 18.
Socket, Theftproof lamp. L. Delano. 2,204,666; June 18.
Sole-fitting machine. G. Hazelton. 2,204,676; June 18.
Solvent composition, Cellulose coating. P. E. Joyce. 2,204,963; June 18.
Sound recorder. S. Clavert. 2,205,058; June 18.

Space discharge apparatus and circuits therefor. A. M. Skellett. 2,205,071; June 18.
Space discharge apparatus and circuits therefor. A. M. Skellett. 2,205,072; June 18.
Space heater, Pot type oil burning. C. T. Piehl. 2,204,694; June 18.
Spark plug. W. Harper, Jr. 2,205,196; June 18.
Speed gearing and control, Change. E. A. Thompson. 2,204,872; June 18.
Spout, Full flow full tank nozzle. E. D. Featherston. 2,205,351; June 18.
Spreader, Circular. M. R. Reed. 2,205,155; June 18.
Spring: *See*—
Leaf spring.
Staking machine. G. A. Schettler. 2,204,625; June 18.
Starch, Soluble making. W. A. Nivling. 2,204,615; June 18.
Starter. R. G. Rinot. 2,204,698; June 18.
Starter, Electrically operated engine. C. E. Clouston. 2,204,573; June 18.
Starter for internal combustion engines, Mechanical. W. C. Conover. 2,204,750; June 18.
Starter, Ignition. J. Slepian. 2,205,226; June 18.
Starting control for synchronous motors. C. C. Shutt and J. W. Dawson. 2,205,222–4; June 18.
Steam installation for pressing appliances. F. J. Clark. 2,205,241; June 18.
Steels, Producing cast. A. P. Gagnebin. 2,204,585; June 18.
Step tread, Safety. S. D. Moore. 2,205,044; June 18.
Stoker. H. P. Anderson. 2,204,541; June 18.
Stoker. F. H. Fridenstine. 2,205,061; June 18.
Stoker, Automatic coal. G. E. Valentine and J. I. Hurst. 2,204,555; June 18.
Stoker drive. W. W. Peck. 2,204,768; June 18.
Strainer device, Infusion. J. H. Herrera. 2,205,290; June 18.
Stretching tool, Electrically driven. W. C. Childress. 2,204,572; June 18.
String for musical instruments. S. Kaplan. 2,205,144; June 18.
Structure, Assembled. C. Ringle. 2,205,275; June 18.
Submersible pump, Series-parallel. A. Hollander. 2,204,857; June 18.
Suction cleaner. B. C. Becker. 2,205,078; June 18.
Suction roll for papermaking machines. W. Thaler. 2,204,780; June 18.
Sugar granule manufacture. J. W. Schlegel and L. Lang. 2,205,177; June 18.
Suitcase, Rainproof and adjustable two-in-one. B. Friedman. 2,205,118; June 18.
Sulphonates, Separation of organic. J. H. Percy. 2,204,969; June 18.
Sulphonium sulphates, Process and product relating to capillary-active. A. J. van Peski and J. M. Hoeffelman. 2,204,976; June 18.
Sulphur-containing Diesel fuel ignition agents, Preparation of. C. H. Seeley and M. H. Arveson. 2,205,126; June 18.
Support: *See*—
Crucible support.
Fan support.
Support and drape for casket lowering devices. F. M. Compton. 2,204,723; June 18.
Suspension means for drive axles. J. Haltenberger. 2,204,988; June 18.
Switch: *See*—
Air operated switch.
Electric switch.
Switch actuating means. J. H. Staley. 2,205,314; June 18.
Switch connecting mechanism, Railway track. H. L. Bone. 2,205,114; June 18.
Switching device for X-ray work. H. Kunz and H. Berger. 2,205,209; June 18.
Synchronizing device for synchronous motors. F. H. Gulliksen. 2,205,253; June 18.
Synchronous-motor-control system. H. E. Edgerton. 2,205,246–8; June 18.
Synchrophasing system. A. Kalin. 2,205,264–5; June 18.
Synchroscope. J. W. Allen. 2,205,330; June 18.
Syringe. K. H. Booty. 2,204,654; June 18.
Table: *See*—
Bridge table.
Extension table.
Massage table.
Table assembly, Rotary. L. F. Baash. 2,204,645; June 18.
Tag holder, Combined inventory and price. J. Pavlovic, Jr. 2,204,767; June 18.
Tape control device. F. J. Rouan and H. L. Prior. 2,204,972; June 18.
Telephone system. F. A. Hubbard. 2,204,759; June 18.
Telephone system, Loudspeaking. N. F. Hoard. 2,205,142; June 18.
Television receiver. R. S. Holmes. 2,204,992; June 18.
Temperature controlling means. R. R. Chappell, R. B. Colt, and D. McCormack. 2,205,164; June 18.
Temperature controlling mechanism. J. E. Dube and N. W. Barnes. 2,205,349; June 18.
Temperature measuring apparatus. R. L. Fearn. 2,204,797; June 18.
Template construction for pipe installations. A. Sabatello. 2,205,311; June 18.
Tension device for wire drawing benches. G. P. Lessmann. 2,205,213; June 18.
Test tube, Blood. V. H. Grier. 2,204,547; June 18.
Textile material, Device for the lateral stretching of webs of. K. Bünzli. 2,205,371; June 18.
Thermometer attachment for fountain syringe bags or similar containers. R. R. Mayo. 2,204,764; June 18.
Thermostat. L. K. Davis. 2,204,793; June 18.
Thread collecting device. F. F. Hillix. 2,204,593; June 18.
Threaded joint. W. M. Frame. 2,204,754; June 18.
Threading tool. W. E. Parrish. 2,204,866; June 18.
3'-halogen-benzoyl-2-benzoic acid-4'-sulphonic acids and making the same. S. Gassner and B. Bienert. 2,204,960; June 18.
Tie down, Adjustable. C. R. Radey. 2,205,273; June 18.
Tile, Making interlocking roofing. D. Brown, J. B. Peebles and B. M. Burchfiel. 2,205,080; June 18.
Tile, Mastic floor. J. Rivkin and R. C. Scheib. 2,204,773; June 18.
Time indicator, Elapsed. R. L. Russell and R. V. Molby. 2,204,868; June 18.
Time study device. R. M. Richter. 2,204,911; June 18.
Tire indicator. G. E. Guthrie. 2,205,168; June 18.
Tool: *See*—
Cable tool.
Grinding tool.
Grooving tool.
Picking tool.
Punch press tool.
Stretching tool.
Threading tool.
Tool head locking device. H. A. Zeckendorf. 2,204,643; June 18.
Tool joint, Safety. H. E. Grau. 2,204,586; June 18.
Tooth, Replaceable point excavating. L. E. Younie. 2,204,718; June 18.
Torpedo, Railway track. G. B. Jackson. 2,205,293; June 18.
Tower, Extensible work. L. E. Erickson and B. W. Olson. 2,204,671; June 18.
Toy, Astronomical. W. Wittigschlager. 2,204,952; June 18.
Toy multitone siren. H. Robinson. 2,204,701; June 18.
Toy or display device. H. Robinson. 2,204,700; June 18.
Toy, Trick. M. Bredow. 2,204,789; June 18.
Track circuit apparatus, Railway. R. Mills. 2,204,810; June 18.
Traction device. W. F. Wettlaufer. 2,204,783; June 18.
Traction wheel. B. R. Benjamin. 2,204,650; June 18.
Trailer hitch. A. Partin. 2,205,151; June 18.
Transmission. B. A. Swennes. 2,104,779; June 18.
Transmission and control mechanism. F. A. Parsons. 2,204,693; June 18.
Transmission, Automatic. T. B. Tyler. 2,204,919; June 18.
Transmission control system. F. M. Davis. 2,204,578; June 18.
Transportation means. A. F. Dooley and C. H. Stone. 2,204,667; June 18.
Tree holder. W. H. Pleiss. 2,205,271; June 18.
Trimmer condenser. L. C. Johnson and C. M. Jorgensen. 2,205,203; June 18.
Truck, Lift. A. Bell. 2,204,880; June 18.
Truck, Railway. D. S. Barrows. 2,205,369; June 18.
Tube: *See*—
Test tube.
Tube method of depositing explosive charges, Collapsible. L. A. Burrows and C. A. Woodbury. 2,205,081; June 18.
Tuning control system for radio receivers. W. Mahnken. 2,205,103; June 18.
Tuning mechanism. G. B. Knös and A. Horowitz. 2,205,097; June 18.
Turnstile, Check controlled and dispensing. H. M. Kilpatrick. 2,204,877; June 18.
Universal joint. E. B. Anderson. 2,204,745; June 18.
Utensil, Cooking. P. E. Robertson. 2,204,699; June 18.
Vacuum cleaner. F. Diebel, Jr., and I. F. Flatz. 2,204,912; June 18.
Valve: *See*—
Brake valve.
Check valve.
Expansion valve.
Gas lift valve.
Safety valve.
Sanitary valve.
Valve and circuit, Thermionic. N. M. Rust and G. F. Brett. 2,205,069; June 18.
Valve device, Magnet. D. L. McNeal. 2,204,808; June 18.
Valve device, Retaining. C. C. Farmer. 2,204,796; June 18.
Valve for hydraulic control systems. E. A. Chamberlin. 2,204,885; June 18.
Valve for sewage lines, Air release. M. M. Borden. 2,204,788; June 18.
Valve for urinals, water closets, and the like, Flushing. F. L. Dreyer and C. Bromley. 2,205,033; June 18.
Valve operator. E. E. Arnold and R. S. Elberty, Jr. 2,205,235; June 18.
Valve seat. H. Cope. 2,204,724; June 18.
Vanity case. J. L. Younghusband. 2,204,717; June 18.
Variable resistor. S. Ruben. 2,204,623; June 18.
Variable width band-pass filter. K. Wilhelm. 2,205,075; June 18.
Vault, Combined casket and grave. W. S. Stone. 2,205,110; June 18.

Vegetables, Method of and apparatus for washing. R. Berger and H. N. Ricket. 2,205,131; June 18.
Vehicle: *See*—
Locomotive vehicle.
Vehicle, and especially automotive railroad vehicles. E. Bugatti. 2,205,030; June 18.
Vehicle body. D. G. Renno and C. J. Fields. 2,204,697; June 18.
Vehicle control mechanism, Automotive. F. G. and W. M. Folberth. 2,204,672; June 18.
Vehicle theft prevention device, Motor. W. H. May. 2,205,104; June 18.
Vehicle wheel, Detachable. C. H. Martin. 2,205,301; June 18.
Ventilator. C. L. Metzgar and F. M. Lambert. 2,205,123; June 18.
Vibrator, Current converting. F. J. Stevens and W. G. Layson, Jr. 2,205,315; June 18.
Vinyl resin plastic compositions. V. Yngve. 2,204,743; June 18.
Vise, Portable. J. A. Waller. 2,204,837; June 18.
Visor, Antiglare. K. Olsen. 2,204,691; June 18.
Visor for industrial hats, Protective. C. W. McClung and P. Ransom. 2,204,688; June 18.
Voltage regulation system for vacuum tube amplifiers. J. F. Byrne. 2,204,571; June 18.
Volume control, Automatic. R. Hildebrandt. 2,204,962; June 18.
Vulcanizer. A. L. Wallace. 2,105,112; June 18.
Warning signal, Audible. T. J. Scofield. 2,204,705; June 18.
Washer: *See*—
Laundry washer.
Washer. H. L. Belding. 2,204,563; June 18.
Wastes, Treatment of. M. D. Sanders. 2,204,703; June 18.
Water decomposer, Electrolytic. H. Dähling. 2,204,982; June 18.
Water eliminator. H. S. Ryan and W. C. Batt. 2,204,998; June 18.
Water level testing means, Boiler. P. A. Jerguson. 2,205,143; June 18.
Water supply systems, Prevention of reverse flow in. L. I. Northon. 2,205,305; June 18.
Water to fowls and the like, Supplying drinking. S. A. Bush. 2,205,342; June 18.
Wattmeter. U. L. Smith. 2,205,228; June 18.
Wax from wax-oil mixtures, Separating. V. N. Jenkins. 2,205,096; June 18.
Web or film driving mechanism. L. Dewan. 2,204,887; June 18.
Web temperatures in printing, Controlling. A. E. Gessler. 2,204,802; June 18.
Webs, Method and apparatus for drying coated and decorated. A. E. Gessler. 2,204,801; June 18.
Weighing device of the balance type. J. H. Hotson. 2,204,595; June 18.
Welding, Resistance line. R. T. Gillette. 2,205,251; June 18.
Well cementing device. C. E. Burt. 2,204,658; June 18.
Well pumping equipment, Reducing stresses in oil. W. Crites. 2,204,725; June 18.
Wells, Means for flowing. J. D. Nixon. 2,204,817; June 18.
Wells, Increasing the productivity of. M. De Groote. 2,204,580; June 18.
Welt cementing machine. A. Eppler, Jr. 2,204,670; June 18.
Wheel: *See*—
Abrasive-throwing wheel.
Car wheel.
Traction wheel.
Vehicle wheel.
Winding, Method and means for. J. F. Schenck, Jr. 2,204,869; June 18.
Window. V. Pascuzzi and F. Cavallaro. 2,204,909; June 18.
Window and sunray member, Indoor storm. C. F. Flynn. 2,205,353; June 18.
Window, Comfort. C. Buti. 2,204,923; June 18.
Window guide channel. L. Spraragen. 2,204,630; June 18.
Windshield frame. A. T. Potter. 2,204,769; June 18.
Wiper, Cosmetic. H. Apfelbaum. 2,204,947; June 18.
Wire connector. S. N. Buchanan. 2,204,979; June 18.
Wire connector, Solderless. G. C. Thomas, Jr., and M. D. Bergan. 2,205,322; June 18.
Wrapper, Candy. T. R. Latour. 2,205,210; June 18.
Wrapper, Coin. C. L. Downey. 2,205,283; June 18.
Wrench. R. B. Johnson. 2,205,294; June 18.
Wringer release mechanism. N. L. Etten. 2,205,137; June 18.
X-ray tube. K. Lenz. 2,205,297; June 18.
Yarn, Making cotton spun. J. E. Farrell. 2,205,286; June 18.
Yarn, Method and apparatus for treating. J. J. Stoeckly. 2,205,366; June 18.

CLASSIFICATION OF PATENTS

ISSUED JUNE 18, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 6: 2,204,689
2— 10: 2,204,688
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190—	45: 2,205,118		251: 2,204,920		53: 2,204,732	252—	34: 2,205,172		603: 2,204,652	287—	14: 2,205,014
192—	01: 2,204,672		399: 2,204,835	238—	349: 2,205,282		37: 2,204,597		649: 2,205,187		52.03: 2,205,195
	12: 2,204,589		2,205,004	240—	2: 2,205,078		2,204,598		666: 2,204,565	290—	48: 2,204,573
	2,205,054	210—	51: 2,205,336		4.2: 2,205,279		2,204,601		683: 2,205,159	292—	218: 2,204,753
	68: 2,204,879		54: 2,204,998		7.55: 2,204,707		46: 2,204,660		785: 2,205,070		325: 2,204,662
	85: 2,204,710		55: 2,205,199		10.67: 2,205,163		2,204,661		788: 2,205,101	294—	19: 2,205,345
	91: 2,204,554		199: 2,204,928		11.3: 2,204,752		48: 2,204,620		793: 2,205,100		31: 2,204,843
	150: 2,205,370		203: 2,205,331		78: 2,204,687		52: 2,204,609		809: 2,204,870		100: 2,204,734
193—	35: 2,204,828	211—	35: 2,205,099		81: 2,204,986		75: 2,205,183		810: 2,205,084	295—	11: 2,204,953
194—	10: 2,204,853		93: 2,205,193		2,205,310		167: 2,205,115	261—	22: 2,204,771	296—	44: 2,204,551
	98: 2,204,845	213—	34: 2,205,066	242—	18: 2,204,593		232: 2,205,140		36: 2,205,089		44.5: 2,204,630
196—	1: 2,204,967		180: 2,205,153		53: 2,204,869		2,204,619		2,205,090		57: 2,204,697
	10: 2,204,673	215—	43: 2,204,831		55: 2,205,052		270: 2,204,910		63: 2,205,027		84: 2,204,769
	13: 2,204,758	217—	124: 2,204,865		55.2: 2,205,198		326: 2,204,812		114: 2,205,284		97: 2,204,691
	2,204,903	218—	2.1: 2,205,087		56: 2,205,171	254—	51: 2,204,572	262—	2: 2,204,584		2,204,739
	18: 2,205,096	219—	4: 2,204,858		101: 2,204,579		86: 2,204,997		4: 2,204,906	297—	11: 2,204,791
	50: 2,205,141		6: 2,205,002		117: 2,204,938	255—	23: 2,205,269		30: 2,205,012		2,204,793
	96: 2,204,685		8: 2,204,545	244—	13: Re.21,484		2,204,645	263—	6: 2,205,182		15: 2,205,162
197—	84: 2,205,289		10: 2,204,549		63: 2,204,546		2,204,646		2,205,242	299—	98: 2,204,798
	126: 2,205,165		2,205,251	246—	41: 2,204,810		2,204,647		47: 2,204,765		140.1: 2,204,599
198—	7: 2,205,124	220—	64: 2,204,746		253: 2,205,114		63: 2,205,238		2,204,889	301—	9: 2,205,301
	20: 2,205,178	221—	62: 2,204,821		487: 2,205,293		71: 2,204,657	265—	1: 2,205,102		50: 2,204,650
	24: 2,205,059		78: 2,205,082	248—	23: 2,204,877		72: 2,204,844		34: 2,204,595	303—	22: 2,204,815
	30: 2,205,106		98: 2,205,129		35: 2,204,881	256—	13.1: 2,204,556	266—	5: 2,205,258		2,204,830
	128: 2,205,155		103: 2,204,838		38: 2,204,692		2,204,557		6: 2,204,775		31: 2,204,706
	139: 2,205,013		122: 2,205,324		44: 2,205,271		2,204,558		39: 2,205,154		79: 2,204,796
	220: 2,204,770	223—	21: 2,204,996		52: 2,205,139		2,204,559	267—	1: 2,204,792	306—	33: 2,204,643
200—	9: 2,204,892		63: 2,205,136		146: 2,204,686	257—	36: 2,205,292		9: 2,205,098	308—	4: 2,204,795
	27: 2,205,074		68: 2,204,876		147: 2,205,319		136: 2,205,360		47: 2,204,940		218: 2,205,372
	52: 2,204,735		89: 2,204,875	250—	11: 2,204,628		255: 2,204,613		48: 2,205,086	309—	3: 2,204,626
	58: 2,205,168	224—	29: 2,204,824		2,205,174	260—	16: Re.21,485	268—	1: 2,205,015		12: 2,204,642
	80: 2,205,257	225—	12: 2,204,900		20: 2,204,574		41: 2,204,743	270—	69: 2,205,127	311—	42: 2,205,274
	2,205,375		26: 2,205,147		2,204,575		42: 2,205,108	271—	2.3: 2,204,887	312—	7: 2,204,787
	81: 2,205,281		40: 2,205,318		2,204,954		86: 2,205,239		36: 2,204,548		31.2: 2,204,784
	83: 2,204,644	226—	48: 2,205,010		2,204,962		112: 2,204,703		2,204,715		42: 2,205,192
	90: 2,205,315		66: 2,205,351		2,204,973		152: 2,204,958		62: 2,204,985		
	119: 2,204,948		68: 2,204,832		2,204,975		206: 2,204,607	272—	21: 2,204,880		
	138: 2,204,695		2,204,833		2,205,243		247: 2,204,653		27: 2,204,700		

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,204,541:	110—105.5	2,204,636:	51— 14	2,204,771:	261— 22	2,204,936:	132— 36	2,205,115:	252— 167	2,205,260:	152— 205
2,204,550:	91— 68	2,204,640:	60— 52	2,204,783:	152— 231	2,204,967:	196— 1	2,205,116:	52— 7	2,205,276:	51— 298
2,204,555:	110— 32	2,204,654:	128— 251	2,204,787:	312— 7	2,204,976:	260— 458	2,205,138:	62— 3	2,205,318:	225— 40
2,204,588:	51— 14	2,204,660:	252— 46	2,204,812:	252— 326	2,204,980:	131— 32	2,205,140:	252— 232	2,205,340:	158— 74
2,204,597:	252— 37	2,204,661:	252— 46	2,204,817:	103— 233	2,205,003:	49— 81	2,205,172:	252— 34	2,205,346:	60— 97
2,204,598:	252— 37	2,204,662:	292— 325	2,204,834:	103— 233	2,205,008:	29—148.2	2,205,174:	250— 11	2,205,348:	24— 123
2,204,601:	252— 37	2,204,671:	189— 11	2,204,839:	68— 9	2,205,026:	227— 32	2,205,179:	88— 111	2,205,352:	43— 17
2,204,609:	252— 52	2,204,695:	200— 138	2,204,849:	85— 28	2,205,027:	261— 63	2,205,181:	49— 89		
2,204,616:	260— 541	2,204,715:	271— 36	2,204,856:	286— 1	2,205,048:	116— 39	2,205,183:	252— 75		
2,204,619:	252— 232	2,204,726:	179— 171	2,204,857:	103— 87	2,205,059:	198— 24	2,205,195:	287—52.03		
2,204,620:	252— 48	2,204,728:	99— 154	2,204,867:	74— 512	2,205,089:	261— 36	2,205,207:	250— 41.5		
2,204,626:	309— 3	2,204,750:	123— 185	2,204,910:	252— 270	2,205,090:	261— 36	2,205,241:	38— 77		

U. S. GOVERNMENT PRINTING OFFICE: 1940

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abramson, J., & Sons, Inc., Brooklyn, N. Y. Insecticides, germicides, and antiseptics. Serial No. 430,819; June 25. Class 6.

Aleo Mills, Inc., New York, N. Y. Cotton and/or rayon piece goods. Serial No. 429,366; June 25. Class 42.

Allen A Company, The, Bennington, Vt. Men's and boys' hosiery. Serial No. 430,573; June 25. Class 39.

Arizona Vegetable Distributors, Inc., Phoenix, Ariz. Fresh vegetables and melons. Serial No. 430,211; June 25. Class 46.

Audio Devices, Inc., New York, N. Y. Recording thread brushes. Serial No. 430,432; June 25. Class 36.

Avis Hats, New York, N. Y. Ladies' hats. Serial No. 424,831; June 25. Class 39.

Babs Junior, Inc., New York, N. Y. Dresses for women, misses, and juniors. Serial No. 430,670; June 25. Class 39.

Baker, J. T., Chemical Co., Phillipsburg, N. J. Magnesium aspirin tablet. Serial No. 430,643; June 25. Class 6.

Balch, Gerald G., doing business as Balch Flavor Co., Pittsburgh, Pa. Flavoring concentrate. Serial No. 429,927; June 25. Class 46.

Ballard & Ballard Company, Incorporated, Louisville, Ky. Flour. Serial No. 426,757; June 25. Class 46.

Bamberger, L., & Co., Newark, N. J. Men's underwear, undershirts, outershirts, etc. Serial No. 430,586; June 25. Class 39.

Barber-Greene Company, Aurora, Ill. Portable loading and conveying machines for coal, coke, sand, etc. Serial No. 425,448; June 25. Class 23.

Barber, W. H., Company, Minneapolis, Minn. Household insect spray. Serial No. 430,716; June 25. Class 6.

Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Manicure sets. Serial No. 429,596; June 25. Class 44.

Bayview Citrus Association, Los Fresnos, Tex. Fresh and canned citrus fruit and canned grapefruit juice. Serial No. 426,179; June 25. Class 46.

Bee & Em Mfg. Co., Philadelphia, Pa. Corduroy piece goods used in the manufacture of men's and boys' lumberjackets and knickers. Serial No. 430,995; June 25. Class 42.

Belt, Charles B., Pine Neck, East Quogue, Long Island, N. Y. Wild dressed turkeys. Serial No. 428,145; June 25. Class 46.

Bemis Bro. Bag Company, St. Louis, Mo. Magazine. Serial No. 428,604; June 25. Class 38.

Bernhardt's Clothes, Inc., Wheeling, W. Va. Men's suits, top coats, overcoats, etc. Serial No. 430,349; June 25. Class 39.

Bestov Products, Inc., Long Island City, N. Y. Beer. Serial No. 431,136; June 25. Class 48.

Bird & Son, Inc., East Walpole, Mass. Floor covering. Serial No. 431,139; June 25. Class 20.

Blue Swan Mills, Inc., New York, N. Y. Ladies' and children's underwear. Serial No. 431,034; June 25. Class 39.

Blue Swan Mills, Inc., New York, N. Y. Ladies' and children's underwear. Serial Nos. 431,338–40; June 25. Class 39.

Bon-Berger Company, Superior, Wis. Beef, pork, veal, and mixtures thereof. Serial No. 418,326; June [illegible]. Class 46.

Borden Fruit Co., Anaheim, Calif. Fresh citrus fruits. Serial Nos. 431,232–4; June 25. Class 46.

Brodhaven Manufacturing Co., Inc., New York, N. Y. Paper pads and holders therefor. Serial No. 430,676; June 25. Class 37.

Brooks, Paul, Angola, Ind. Salve. Serial No. 430,997; June 25. Class 6.

Brown Instrument Company, The, Philadelphia, Pa. Pneumatically operated instruments. Serial No. 408,154; June 25. Class 26.

Burkay Company, The, Toledo, Ohio. Gas water heaters, gas burners and parts therefor. Serial Nos. 414,393; June 25. Class 34.

California Growers Wineries, Cutler, Calif. Wines. Serial No. 431,235; June 25. Class 47.

Cantor, Winifred K., San Marino, Calif. Kits containing comb, naff cleaner, paper towels, etc. Serial No. 429,171; June 25. Class 50.

Capital Elevator and Manufacturing Company, Columbus, Ohio. Electric elevators, electric dumbwaiters, electric sidewalk lifts, etc. Serial No. 415,377; June 25. Class 21.

Caribbean Products Company, Inc., Baltimore, Md. Maltless syrups and concentrates for making soft drinks. Serial No. 431,293; June 25. Class 45.

Carling Turbine Blower Co., Worcester, Mass. Turbine-actuated blowers, turbine centrifugal blowers and exhausters, etc., and parts of said machines. Serial No. 431,391; June 25. Class 23.

Chrysler Corporation, Highland Park, Mich., and Dayton, Ohio. Electric motors, electric relays, etc. Serial No. 428,606; June 25. Class 21.

Colordination Group, Inc., New York, N. Y. Women's and misses' coats, suits, dresses, etc. Serial Nos. 421,759–63; June 25. Class 39.

Croom, J. Luddie, Wilmington, N. C. Water-pressure charts. Serial No. 415,284; June 25. Class 26.

Cudahy Packing Company, The, Chicago, Ill. Vegetable shortening. Serial No. 431,152; June 25. Class 46.

Davies-Young Soap Co., The, Dayton, Ohio. Abrasive cleaning compound. Serial No. 431,297; June 25. Class 4.

Dixons, Mrs., Preserving Kitchen, New York, N. Y. Honey, fruit preserves, fruit jams, etc. Serial No. 428,308; June 25. Class 46.

Doctor Dress Co., Inc., Chicago, Ill. Piece goods and bolts of rayon. Serial No. 430,438; June 25. Class 42.

Dodge, F. W., Corporation, New York, N. Y. Periodical publication published from time to time. Serial No. 431,411; June 25. Class 38.

Dursilux Co. Inc., New York, N. Y. Resinous powder and resinous liquid preparation. Serial No. 429,346; June 25. Class 44.

Earle, Marie, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 431,194; June 25. Class 6.

Eastern Corporation, Brewer, Maine. Specially wrapped packages of bond ledger, "mimeograph", writing, etc., paper. Serial No. 427,462; June 25. Class 37.

Eastern Malleable Iron Company, The, Naugatuck, Conn., and Cleveland, Ohio. Hardware for use on vehicles. Serial No. 395,568; June 25. Class 19.

Eastman Kodak Company, Rochester, N. Y. Lantern slides and materials for making lantern slides, stereopticon projectors, and carrying cases therefor, etc. Serial No. 431,299; June 25. Class 26.

Ellery Products Manufacturing Co. Inc., New York, N. Y. Window drapes and hangings. Serial No. 429,811; June 25. Class 42.

Epco Chemical Co. (See Epstein, Louis.)

Epstein, Louis, doing business as Epco Chemical Co., Quincy, Mass. Radiator cleaning compound. Serial No. 430,730; June 25. Class 6.

Famous Products Co. (See Neumann, Morton G.)

Farmers' National Market System, Inc., Chicago, Ill., and New York, N. Y. Electrical machines. Serial No. 430,578; June 25. Class 21.

Fibre Conduit Company, The, Orangeburg, N. Y. Conduit, ducts, and pipes of nonmetallic composition material and fittings for same. Serial No. 428,156; June 25. Class 12.

Firestone Tire & Rubber Company, The, Akron, Ohio. Bicycle speedometers. Serial No. 429,769; June 25. Class 26.

First Federal Savings and Loan Association of Washington, The, Washington, D. C. Quarterly magazine. Serial No. 431,243; June 25. Class 38.

Florence Stove Company, Gardner, Mass. Electric ranges. Serial No. 419,188; June 25. Class 21.

Fooks, B. T., doing business as B. T. Fooks Manufacturing Company, Camden, Ark. Maltless beverages, and syrups, extracts, and flavors for making same. Serial No. 431,484; June 25. Class 45.

Foster Engineering Co., Newark, N. J. Pressure regulators, float valves, relief valves, etc. Serial No. 430,551; June 25. Class 13.

Galter, Jack, Chicago, Ill. Garment or other material pressing steam electric hand irons. Serial No. 430,508; June 25. Class 21.

Garcia Wine Corp., Long Island City, N. Y. Wines. Serial No. 427,706; June 25. Class 47.

General Chemical Company, New York, N. Y. Insecticides and fungicides. Serial No. 431,110; June 25. Class 6.

General Mills, Inc., Minneapolis, Minn. Food products, particularly flour. Serial No. 429,351; June 25. Class 46.

General Refractories Company, Philadelphia, Pa. Refractory products. Serial No. 408,793; June 25. Class 12.

Glaser, William H., Philadelphia, Pa. Eyeglass lenses, eyeglass spectacles and instruments. Serial No. 431,245; June 25. Class 26.

Globe-Union Inc., Milwaukee, Wis. Storage batteries and spark plugs. Serial No. 430,395; June 25. Class 21.

Hamilton Watch Company, Lancaster, Pa. Watches of all types; strap attachments, etc. Serial No. 430,277; June 25. Class 27.

Hermitage-Ross Laboratories. (See Ross, Dana W.)

Hospital Liquids, Inc., Chicago, Ill. Anterior pituitary-like sex hormones. Serial No. 431,048; June 25. Class 6.

Hotel Research Laboratories, Inc., New York, N. Y. Solid fuel. Serial No. 431,305; June 25. Class 6.
Huber, J. M., Inc., New York, N. Y. Solid printing inks. Serial No. 431,308; June 25. Class 11.
Hughes, E. Griffiths, Limited, Manchester, England. Medicated ointments. Serial No. 430,864; June 25. Class 6.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits. Serial No. 431,050; June 25. Class 46.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 431,206; June 25. Class 39.
Irresistible, Inc., Jersey City, N. J. Perfume. Serial No. 431,254; June 25. Class 6.
Jonat Sportswear Co., Inc., New York, N. Y. Ladies' garments and accessories. Serial No. 429,670; June 25. Class 39.
Joseph & Feiss Company, The, Cleveland, Ohio. Men's topcoats and overcoats. Serial No. 430,184; June 25. Class 39.
Kellogg Company, Battle Creek, Mich. Waxed, oiled, impregnated, etc., paper. Serial No. 417,019; June 25. Class 37.
Kling, Le Roy, Cedar Rapids, Iowa. Plant food. Serial No. 430,962; June 25. Class 10.
Leedall Products, Inc., New York, N. Y. Nail heads and metal studs. Serial No. 431,121; June 25. Class 13.
Lelong, Lucien, Inc., Chicago, Ill. Perfume and cologne. Serial No. 431,011; June 25. Class 6.
Lelong, Lucien, Inc., Chicago, Ill. Perfume. Serial No. 431,556; June 25. Class 6.
Levine, Louis, & Sons, Cincinnati, Ohio. Ladies' and misses' dresses. Serial Nos. 426,887–8; June 25. Class 39.
Liquor Distributors of America, Inc., Newark, N. J. Port, sherry, muscatel, etc., wines. Serial No. 430,740; June 25. Class 47.
Lozenski, Frank, Leavenworth, Kans. Maltless beverages. Serial No. 431,213; June 25. Class 45.
Maclevy Slenderizing Equipment and System, Inc., New York, N. Y. Body massaging apparatus. Serial No. 431,312; June 25. Class 44.
Maine Canned Foods, Inc., Portland, Maine. Canned food products. Serial No. 418,584; June 25. Class 46.
Malden Mills, Inc., Malden, Mass. Knitted fabrics in the piece, of cotton, wool, rayon and combinations thereof. Serial No. 431,559; June 25. Class 42.
Mapes Consolidated Manufacturing Company, Griffith, Ind. Molded pulp flats or pads. Serial No. 431,214; June 25. Class 2.
Marlow, Max, New York, N. Y. Incandescent electric lamps, fluorescent electric lamps, and electric lamp fixtures. Serial No. 431,365; June 25. Class 21.
Mobile Paint Manufacturing Company of Delaware, Inc., Mobile, Ala. Stucco, brick, and cement paint (water). Serial No. 424,487; June 25. Class 16.
Moore, John Hudson, Inc., New York, N. Y. Shaving soap. Serial No. 430,789; June 25. Class 4.
Moore, John Hudson, Inc., New York, N. Y. Hair combs. Serial No. 430,790; June 25. Class 40.
Moreschi, Philip, doing business as Unico Macaroni Company, Hartford, Conn. Macaroni, spaghetti, and egg noodles. Serial No. 431,463; June 25. Class 46.
Mountain Peat Company, assignor to Mountain Peat Company, Denver, Colo. Peat moss, peat litter, sheep manure, and mixtures thereof. Serial No. 403,142; June 25. Class 10.
Myles Salt Company, Limited, New Orleans, La. Salt. Serial No. 430,188; June 25. Class 46.
Neumann, Morton G., doing business as Famous Products Co., Chicago, Ill. Perfume and incense. Serial No. 431,019; June 25. Class 6.
Newstadt's Shoe Stores, Shreveport, La. Women's, girls', and children's shoes. Serial No. 431,074; June 25. Class 39.
Oregon Packing Corporation, Astoria, Oreg. Canned vegetables. Serial No. 431,465; June 25. Class 46.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. Serial No. 431,533; June 25. Class 42.
Peggy Sage, Inc., New York, N. Y. Nail polish. Serial Nos. 430,971–2; June 25. Class 6.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Men's and boys' outer shirts and trousers. Serial No. 430,924; June 25. Class 39.
Peterra Corporation, The, Los Angeles, Calif. Medicinal preparation for internal use. Serial No. 430,836; June 25. Class 6.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial Nos. 431,394–5; June 25. Class 46.
Podhouser & Hollinger Fur Corp., New York, N. Y. Dyed muskrat coats for women. Serial No. 431,078; June 25. Class 39.
Premier Produce Company, Salinas, Calif. Fresh vegetables. Serial No. 431,469; June 25. Class 46.
Radio Publications Corporation, Chicago, Ill. Periodically published publication. Serial No. 431,079; June 25. Class 38.
Rappeport, Rubin E., Chicago, Ill. Luggage and leather goods. Serial No. 430,521; June 25. Class 3.
Rayonier Incorporated, San Francisco, Calif. Wood pulp. Serial Nos. 431,218–23; June 25. Class 1.
Recorg Supply Corporation, Chicago, Ill. Household and clothes bleach. Serial No. 431,376; June 25. Class 6.
Rosenfeld, Harry, Inc., New York, N. Y. Ladies' purses, handbags, and pocketbooks. Serial No. 431,327; June 25. Class 3.
Roslyn Mfg. Co., New York, N. Y. Ladies' and children's dresses, house dresses, house coats, etc. Serial No. 429,456; June 25. Class 39.
Ross, Dana W., doing business as Hermitage-Ross Laboratories, Chicago, Ill. Compound for use in a hectograph duplicating process. Serial No. 431,393; June 25. Class 11.
Ryser Bros., Chicago, Ill. Cheese. Serial No. 430,879; June 25. Class 46.
Schering Corporation, Bloomfield, N. J. Laxative preparation. Serial No. 431,831; June 25. Class 6.
Schulman, Louis, Co. Inc., New York, N. Y. Wrapping paper and box covering paper. Serial No. 431,188; June 25. Class 37.
Schwarz, Max, Manufacturer La Primadora Havana Cigars, Ltd., New York, N. Y. Cigars. Serial No. 430,748; June 25. Class 17.
Sea Island Mills, Inc., New York, N. Y. Water repellent cotton piece goods. Serial No. 430,975; June 25. Class 42.
Sears, Roebuck and Co., Chicago, Ill. Shoes. Serial No. 431,086; June 25. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Babies' shoes. Serial No. 431,088; June 25. Class 39.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for treatment of gastric disturbances. Serial No. 431,331; June 25. Class 6.
Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides and fungicides. Serial No. 431,166; June 25. Class 6.
Shields Slipper Corporation, Bombay, N. Y. Men's, women's, and children's boots and shoes. Serial No. 430,461; June 25. Class 39.
Simpson Electric Company, Chicago, Ill. Electrical measuring instruments. Serial No. 415,672; June 25. Class 26.
Smidth, F. L., & Co., New York, N. Y. Metal grinding bodies. Serial No. 429,493; June 25. Class 23.
Speed Products Company, Long Island City, N. Y. Stapling machines, tackers, and pliers. Serial No. 430,466; June 25. Class 23.
Spencer Lens Company, Buffalo, N. Y. Advertising display projection apparatus; ballistic scientific and laboratory apparatus, etc. Serial No. 429,139; June 25. Class 26.
Standard Oil Development Company, Linden, N. J. Inhibitor employed in motor oils. Serial No. 430,699; June 25. Class 6.
Standard Oil Development Company, Linden, N. J. Synthetic rubber. Serial No. 431,228; June 25. Class 1.
Stephano Brothers, Philadelphia, Pa. Smoking tobacco. Serial Nos. 428,446–8; June 25. Class 17.
Stewart, L. H., Corporation, Rochester, N. Y. Special preparation for use as a dietary supplement. Serial No. 431,091; June 25. Class 46.
Swift and Company, Chicago, Ill. Glue. Serial No. 430,632; June 25. Class 5.
Tested Papers of America, Inc., Chicago, Ill. Toilet tissue, facial tissue, wax paper, etc. Serial Nos. 430,340–1; June 25. Class 37.
Unico Macaroni Company. (See Moreschi, Philip.)
United Co-Operatives, Inc., Indianapolis, Ind. Paints, varnishes, stains, etc. Serial No. 421,282; June 25. Class 16.
U. S. Utilities, Inc., Chicago, Ill. Electrical waffle molds or cookers. Serial No. 431,382; June 25. Class 21.
U. S. Utilities, Inc., Chicago, Ill. Juicers, devices for pressing the juice from fruits. Serial No. 431,383; June 25. Class 23.
Val Vita Food Products, Inc., Los Angeles and Fullerton, Calif. Canned fruits, vegetables, salmon, etc. Serial No. 420,982; June 25. Class 46.
Van Buren Products Co., Inc., Buffalo, N. Y. Bottled beer and ale. Serial No. 431,504; June 25. Class 48.
Vandam, Albert H., Co., Inc., New York, N. Y. Cotton piece goods. Serial No. 431,472; June 25. Class 42.
Vandam, Albert H., Co., Inc., New York, N. Y. Cotton piece goods. Serial No. 431,505; June 25. Class 42.
Vertin-Edmonds Company, Salinas, Calif. Fresh vegetables. Serial No. 429,881; June 25. Class 46.
Wiederkehr Bros., New York, N. Y. Sheets and pillow cases. Serial No. 430,704; June 25. Class 42.
Wrisley, Allen B., Company, Chicago, Ill. Soap. Serial No. 430,533; June 25. Class 4.
Zonite Products Corporation, New York, N. Y. Gum massagers. Serial No. 425,605; June 25. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Adam Hat Stores, Inc., New York, N. Y. Hats. 379,047; June 25. Class 39.
Albrecht, E., & Son Co., St. Paul, Minn. Muffs, caps, hats, etc. 379,009; June 25; Serial No. 428,601; published Apr. 9, 1940. Class 39.
Allen, Norman E., New York, N. Y. Stencils. 379,054; June 25. Class 37.
Allen, Robert S. (See Pearson, Andrew R., and Robert S. Allen.)
Alsan Carved Wedding Ring Co. (See Frackman, Hyman.)
American Fork & Hoe Company, The, Cleveland, Ohio. Hand tools. 378,897; June 25; Serial No. 423,047; published Nov. 14, 1939. Class 23.
Arden, Elizabeth, Inc. (See Lewis, Florence N., assignor.)
Aridor Company, The, Chicago, Ill. Closures for containers. 378,995; June 25; Serial No. 428,457; published Apr. 16, 1940. Class 50.
Armour and Company of Delaware, doing business as Armour Sandpaper Works, Chicago, Ill. Abrasive discs. 378,968; June 25; Serial No. 428,143; published Apr. 16, 1940. Class 4.
Arms, Leland J., San Francisco, Calif. Bath sponges. 379,003; June 25; Serial No. 428,516; published Apr. 16, 1940. Class 1.
Armstrong Cork Company, Lancaster, Pa. Rubber household gloves. 379,004; June 25; Serial No. 428,531; published Apr. 2, 1940. Class 39.
Arnold, Schwinn & Company, Chicago, Ill. Bicycles. 379,044; June 25. Class 19.
Artkraft Sign Company, The, Lima, Ohio. Electrical signs. 378,885; June 25; Serial No. 415,578; published Apr. 16, 1940. Class 21.
Ashland City Mills. (See Lersch, Verne D.)
Associated Retail Millinery, Incorporated, Dallas, Tex. Hats for women. 378,902; June 2; Serial No. 424,334; published Apr. 16, 1940. Class 39.
Atkins & Durbrow, Inc., New York, N. Y. Peat moss. 378,976; June 25; Serial No. 428,219; published Apr. 16, 1940. Class 1.
Atlanta Paper Company, Atlanta, Ga. Paper bags. 136,307; renewed Nov. 2, 1940.
Atlantic Register Company, Waltham, Mass. Autographic registers. 379,056; June 25. Class 37.
Atlas Powder Company, Wilmington, Del. Pyroxylin or otherwise coated fabrics. 378,992; June 25; Serial No. 428,417; published Apr. 16, 1940. Class 50.
Babine, John W., Wilmington, Mass. Gravel, sand, and loam. 378,963; June 25; Serial No. 428,101; published Apr. 16, 1940. Class 1.
Badger Worsted Mills, Grafton, Wis. Yarns, wool yarn and wool worsted yarn. 378,989; June 25; Serial No. 428,377; published Apr. 9, 1940. Class 43.
Beatus, William, Inc., New York, N. Y. Straw and felt sport hats. 379,018; June 25; Serial No. 428,793; published Apr. 16, 1940. Class 39.
Beau, Inc., Washington, D. C. Magazine. 378,969; June 25; Serial No. 428,144; published Apr. 9, 1940. Class 38.
Bender, Charles J., Dallas, Tex. Butane gas storage and dispensing units and fittings assembled in connection therewith. 378,941; June 25; Serial No. 427,696; published Apr. 16, 1940. Class 34.
Bendix Aviation Corporation, Baltimore, Md. Meterological apparatus. 378,884; June 25; Serial No. 413,813; published Mar 5, 1940. Class 26.
Benzel, E. L. (See Pittman & Harrison.)
Bermat Products Corp., New York, N. Y. Writing and memorandum pads. 378,948; June 25; Serial No. 427,788; published Apr. 16, 1940. Class 37.
Bersted Manufacturing Company, Fostoria, Ohio. Electric beverage mixers and food mixers (kitchen mechanics). 378,910; June 25; Serial No. 425,225; published Apr. 16, 1940. Class 21.
Bisceglia Brothers Corp., Philadelphia, Pa. Wines. 379,007; June 25; Serial No. 428,565; published Apr. 16, 1940. Class 47.
Blake Manufacturing Corporation, Clinton, Mass. Flashlights. 379,019; June 25; Serial No. 428,796; published Apr. 16, 1940. Class 21.
Blodjer, Olav, Stockton, Calif. Visors. 378,931; June 25; Serial No. 427,189; published Apr. 16, 1940. Class 39.
Bloomingdale Bros., Inc., New York, N. Y. Coats, suits, dresses, etc. 378,903; June 25; Serial No. 424,637; published Apr. 9, 1940. Class 39.
Bock, Max O., Houston, Tex. Tooth brushes and powder puffs. 379,057; June 25. Class 29.
Bock, Max O., Houston, Tex. Combs and shoe laces. 379,065; June 25. Class 40.
Boston Gear Works, Inc., North Quincy, Mass. Sprocket gears. 378,970; June 25; Serial No. 428,146; published Apr. 16, 1940. Class 23.
Boyd Tea Company, Inc., Portland, Oreg. Packaged cornstarch. 378,917; June 25; Serial No. 426,150; published Apr. 16, 1940. Class 46.
Britt, M. C., Produce Co., Winter Garden, Fla. Fresh citrus fruits. 378,916; June 25; Serial No. 425,979; published Apr. 16, 1940. Class 46.
Brown, Arthur, & Bro., New York, N. Y. Acetate surfaced mat. 379,055; June 25. Class 50.
Brown Company, Portland, Maine, and Berlin, N. H. Wood pulp. 378,984; June 25; Serial No. 428,300; published Apr. 16, 1940. Class 1.
Bruce, E. L., Co. (See Ransom, John B., & Company.)
Cammeyer Fifth Ave., Inc., New York, N. Y. Boots, shoes and slippers. 379,046; June 25. Class 39.
Carpenter-Morton Company, Boston, Mass. Clear varnish and varnish combined with pigment to form enamel. 378,985; June 25; Serial No. 428,303; published Apr. 16, 1940. Class 16.
Central Fuel Corporation, Chicago, Ill. Coal. 378,986; June 25; Serial No. 428,304; published Apr. 16, 1940. Class 1.
Champion Orange Company, Redlands, Calif. Fresh citrus fruits. 378,993; June 25; Serial No. 428,429; published Apr. 16, 1940. Class 46.
Champion Paper and Fibre Company, The, Hamilton, Ohio. Drum finished paper. 378,900; June 25; Serial 423,656; published Apr. 16, 1940. Class 37.
Chandler's, Cora, Inc., Boston, Mass. Wearing apparel and combinations of garments and accessories. 379,059; June 25. Class 39.
Chemical Products Co., The. (See Schiff, Jakob L.)
Chicago Belting Company, assignor to Chicago Belting Company, Chicago, Ill. Dressing and preservative for leather, rubber, canvas, etc. 135,412; renewed Oct. 12, 1940.
Clear Weave Hosiery Stores, Inc., Jamaica Plain, Boston, Mass. Hosiery, underwear, nightgowns, etc. 378,907; June 25; Serial No. 424,955; published Apr. 16, 1940. Class 39.
Collingbourne Mills, Inc., Elgin, Ill. Darning cotton and mending thread. 378,996; June 25; Serial No. 428,463; published Apr. 16, 1940. Class 43.
Collingbourne Mills, Inc., Elgin, Ill. Cotton yarn. 378,997; June 25; Serial No. 428,464; published Apr. 16, 1940. Class 43.
Columbia Phonograph Company, Inc., New York, N. Y. Phonograph records and record blanks. 379,020–1; June 25; Serial Nos. 428,798–800; published Apr. 16, 1940. Class 36.
Comic Magazines, Inc., Stamford, Conn. Periodical publication. 378,971–2; June 25; Serial Nos. 428,150–1; published Apr. 9, 1940. Class 38.
Commerce Clearing House, Inc., Chicago, Ill. Publication. 378,964; June 25; Serial No. 428,108; published Apr. 16, 1940. Class 38.
Converse Rubber Shoe Company, The, assignor to Converse Rubber Company, Malden, Mass. Boots or shoes. 131,728; renewed May 25, 1940.
Cook Paint & Varnish Company, North Kansas City, Mo. Ready-mixed paints. 378,878; June 25; Serial No. 397,500; published Nov. 21, 1939. Class 16.
Cotler, Harry, New York, N. Y. Collars. 379,060; June 25. Class 39.
Crime Detective, Inc., New York, N. Y. Monthly publication. 378,955; June 25; Serial No. 427,966; published Apr. 9, 1940. Class 38.
Curtis Shoe Company, Inc., Mariboro, Mass. Boots and shoes. 378,975; June 25; Serial No. 428,185; published Apr. 9, 1940. Class 39.
Davis, Lester H., doing business as Davis Coffee House, Lindsborg, Kans. Coffee. 132,926; renewed July 6, 1940.
De Cody-Idalia Corporation, Lowell, Mass. Corsets, brassières, girdles, etc. 378,942; June 25; Serial No. 427,702; published Apr. 9, 1940. Class 39.
Deniston Company, The, Chicago, Ill. Nails. 379,005; June 25; Serial No. 428,543; published Apr. 16, 1940. Class 13.
De Pinna, A., Co., Inc., New York, N. Y. Suits and coats. 379,062; June 25. Class 39.
Detective Comics, Inc., New York, N. Y. Cartoons published in a series. 378,913; June 25; Serial No. 425,642; published Apr. 9, 1940. Class 38.
Detroit Steel Casting Co., Detroit, Mich. Steel castings. 378,998; June 25; Serial No. 428,473; published Apr. 16, 1940. Class 14.
Distributors Trucking Corporation, New York, N. Y. Wheat flour. 378,933; June 25; Serial No. 427,357; published Apr. 16, 1940. Class 46.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 136,403; renewed Nov. 2, 1940.
Dominion Corset Company, Limited, Quebec, Quebec, Canada. Corsets, girdles, brassières, etc. 378,936; June 25; Serial No. 427,461; published Apr. 9, 1940. Class 39.
Dunlap, Lawton & Hall, Chicago, Ill., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Leather and canvas clothing. 18,185; re-renewed July 15, 1940.
East, F. F., Co. Inc., Maurice River, N. J. Fresh shucked oysters. 378,978; June 25; Serial No. 428,353; published Apr. 16, 1940. Class 46.
East, F. F., Co. Inc., Maurice River, N. J. Oyster juice. 379,010; June 25; Serial No. 428,612; published Apr. 16, 1940. Class 46.

Electric Controller & Manufacturing Co., The, Cleveland, Ohio. Weld timers. 378,912; June 25; Serial No. 425,515; published Apr. 16, 1940. Class 26.
Electrical Research Products Inc., New York, N. Y. Sound picture apparatus. 378,938; June 25; Serial No. 427,625; published Apr. 16, 1940. Class 26.
Exolon Company, The, Boston, Mass., to The Exolon Company, Blasdell, N. Y. Abrasives. 135,666–7; renewed Oct. 19, 1940.
F. & M. Skirt Co., Inc., Boston, Mass. Shirts, skirts, blouses, etc. 379,053; June 25. Class 39.
Finck, W. M., and Company, Detroit, Mich. Workclothing. 135,992; renewed Oct. 26, 1940.
Floridin Company, Warren, Pa. Process clay and more particularly Florida fuller's earth. 378,967; June 25; Serial No. 428,310; published Apr. 16, 1940. Class 1.
Flotill Products, Incorporated, Stockton, Calif. Canned tomato paste. 378,918; June 25; Serial No. 426,160; published Apr. 16, 1940. Class 46.
Fortunati, Alexander J., doing business as Dr. A. J. Fortunati Dental Products Co., Boston, Mass. Appliance used for cleansing the tongue. 378,904; June 25; Serial No. 424,685; published Apr. 16, 1940. Class 44.
Foundation Worsted Mills, Portland, Oreg. Textile interlining material in the piece. 378,908; June 25; Serial No. 425,000; published Apr. 16, 1940. Class 42.
Frackman, Hyman, doing business as Alsan Carved Wedding Ring Co., New York, N. Y. Precious metal finger rings. 378,920; June 25; Serial No. 426,647; published Apr. 9, 1940. Class 28.
Franc, Strohmenger & Cowan, Inc., Troy, N. Y. Necktles. 378,990; June 25; Serial No. 428,385; published Apr. 2, 1940. Class 39.
G. H. S. Corporation, New York, N. Y. Hair nets. 379,067; June 25. Class 39.
Gale Shoe Mfg. Co., Boston, Mass. Shoes. 378,991; June 25; Serial No. 428,388; published Apr. 16, 1940. Class 39.
Galter, Jack, Chicago, Ill. Pressing steam electric hand irons. 378,965; June 25; Serial No. 428,114; published Apr. 16, 1940. Class 21.
Galter, Jack, Chicago, Ill. Smoking pipes and cigarette holders. 378,980; June 25; Serial No. 428,230; published Apr. 16. 1940. Class 8.
Galter, Jack, Chicago, Ill. Smoking pipes and cigarette holders. 379,068; June 25. Class 8.
Gantis Food Products Corp., New York, N. Y. Sweet milk cocoa. 378,889; June 25; Serial No. 419,966; published Aug. 29, 1939. Class 46.
Gardiner Shoe Company, The, Gardiner, Maine. Boots and shoes. 379,006; June 25; Serial No. 428,545; published Apr. 2, 1940. Class 39.
General Aniline & Film Corporation, Binghamton, N. Y. Photographic goods. 378,951; June 25; Serial No. 427,888; published Mar. 26, 1940. Class 26.
George, P. D., Company, The, St. Louis, Mo. Varnish. 136,432; renewed Nov. 2, 1940.
Gibson Electric Refrigerator Corporation, Greenville, Mich. Electric stoves. 378,952; June 25; Serial No. 427,890; published Apr. 16, 1940. Class 21.
Gigli Packing Corp., Philadelphia, Pa. Salad oil. 378,999; June 25; Serial No. 428,476; published Apr. 16, 1940. Class 46.
Glidden Company, The, Cleveland, Ohio. Paints and painters' materials. 134,658; renewed Sept. 14, 1940.
Goldenberg, M., & Sons, Inc., Philadelphia, Pa. Necktles, mufflers, men's outer shirts, etc. 378,930; June 25; Serial No. 427,022; published Apr. 9, 1940. Class 39.
Grant, W. T., Company, New York, N. Y. Rubber overshoes. 379,033; June 25; Serial No. 429,046; published Apr. 16, 1940. Class 39.
Griesman, Franklin J., doing business as The Winning Horse, Chicago, Ill. Weekly publication. 378,945; June 25; Serial No. 427,756; published Apr. 9, 1940. Class 38.
Grigg, Charles L., assignor to Seven Up Company, St. Louis, Mo. Maltless beverages. 136,021; renewed Oct. 26, 1940.
Hampden Watch Company. (See Manheimer Watch Company.)
Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. 379,049; June 25. Class 39.
Health Shoe Shop of Boston, Inc., The, Boston, Mass. Shoes. 379,060; June 25. Class 39.
Hearn, James A., & Son Inc., assignor to Hearn Department Stores, Inc., New York, N. Y. Clothing. 136,828; renewed Nov. 9, 1940.
Hercules Powder Company, Wilmington, Del. Propellent powder. 378,961; June 25; Serial No. 428,077; published Apr. 2, 1940. Class 9.
Hewitt Soap Company, Inc., The. (See Remmers Soap Company, The.)
Hichell Co., The, Boston, Mass. Illuminating tongue depressors. 379,040; June 25; Serial No. 429,176; published Apr. 16, 1940. Class 44.
Hickok Manufacturing Company, Inc. (See Taylor, Thos. P., Company, The, assignor.)
Hiffman-Curl, Inc., New York, N. Y. Monthly publication. 378,956–7; June 25; Serial Nos. 427,978–9; published Apr. 9, 1940. Class 38.
Hogue, Denney R., Nampa, Idaho. Fresh deciduous fruits and vegetables. 378,927; June 25; Serial No. 426,886; published Apr. 16, 1940. Class 46.
Hospital Liquids, Inc., Chicago, Ill. Blood transfusion sets. 379,042; June 25; Serial No. 429,265; published Apr. 16, 1940. Class 44.
Houghton, E. F., & Co., Philadelphia, Pa. Oil rust-preventive. 132,171; renewed June 15, 1940.
Inlaid Optical Corporation, Providence, R. I. Hair curlers. 379,000; June 25; Serial No. 428,485; published Apr. 16, 1940. Class 40.
Internationale Stichting Tot verbreiding der Beeldpaedagogie, Volgens de Weemsche Methode, doing business as International Foundation for the Promotion of Visual Education by the Vienna Method, The Hague, Netherlands, and New York, N. Y. Illustrated and educational charts and booklets. 378,891; June 25; Serial No. 420,766; published Apr. 9, 1940. Class 38.
Irvine & Cottens, Dillon, Mont. Hand sewing needles. 379,060; June 25. Class 40.
Johnson Oil Refining Company, Chicago Heights, to Johnson Oil Refining Company, Chicago, Ill., successor. Oils and greases. 133,150; renewed July 13, 1940.
Jubilee Avocado Co. (See Vermillion, L. B.)
Kahn, Max H., Curtain Corporation, New York, N. Y. Household curtains and draperies. 378,973; June 25; Serial No. 428,160; published Apr. 16, 1940. Class 42.
Kansas Book Dealers Association, as assignee of The H. D. Lee Mercantile Co., Salina, Kans., and Kansas City, Mo., assignor to Kansas Book Dealers Association, Newton, Kans. Writing-tablets. 131,529; renewed May 18, 1940.
Karp, Joseph H., New York, N. Y. Soaps. 136,490; renewed Nov. 2, 1940.
Kaufman, Harry, New York, N. Y. Furs, skins, and matchings. 378,937; June 25; Serial No. 427,542; published Apr. 16, 1940. Class 1.
L. S. D., Inc., Dayton, Ohio. Dishwashing machines. 379,014; June 25; Serial No. 428,758; published Apr. 16, 1940. Class 23.
Larson, Louis T., Stanton, Iowa. Paint and varnish cleaner. 378,979; June 25; Serial No. 428,360; published Apr. 16, 1940. Class 4.
La Voix de France Publishing Co., New York, assignor to Marie E. Manthey, Garden City, N. Y., doing business as La Voix de France Publishing Co. Newspapers. 378,929; June 25; Serial No. 426,962; published Apr. 16, 1940. Class 38.
Lawrence Engineering Service, Peru, Ind. Cameras. 378,895; June 25; Serial No. 422,290; published Apr. 16, 1940. Class 26.
Lee, H. D., Mercantile Co., The. (See Kansas Book Dealers Association, assignor.)
Lehn & Fink, Inc., New York, N. Y., assignor to Lehn & Fink Products Corporation, Bloomfield, N. J. Soap and shaving-soap. 135,729; renewed Oct. 19, 1940.
Lersch, Verne D., Wellington, Ohio, to V. D. Lersch, doing business as Ashland City Mills, Ashland, Ohio. Breakfast foods. 134,251; renewed Aug. 24, 1940.
Lewis, Florence N., assignor, by mesne assignments, to Elizabeth Arden, Inc., New York, N. Y. Toilet creams. 136,514; renewed Nov. 2, 1940.
Lewis, Nat, Retail Corporation, New York, N. Y. Women's wearing apparel. 379,064; June 25. Class 39.
Liggett & Myers Tobacco Company, New York, N. Y. Smoking and chewing tobacco. 136,516; renewed Nov. 2, 1940.
Loeser, Frederick, & Co., Inc., Brooklyn, N. Y. Women's gloves. 378,988; June 25; Serial No. 428,316; published Apr. 2, 1940. Class 39.
Longines-Wittnauer Watch Co. Inc., New York, N. Y. Watches and clocks. 378,958; June 25; Serial No. 427,987; published Apr. 16, 1940. Class 27.
Lyons, Isidore, New York, N. Y. Trousers, knickerbockers, breeches. 379,061; June 25. Class 39.
Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. 379,034; June 25; Serial No. 429,060; published Apr. 9, 1940. Class 39.
Manheimer Watch Company, assignor to Hampden Watch Company, Chicago, Ill. Watches and watch movements. 379,048; June 25. Class 27.
Manthey, Marie E. (See La Voix de France Publishing Co., assignor.)
Marion Metal Products Company, The, Marion, Ohio. Burial vaults. 378,896; June 25; Serial No. 422,367; published Apr. 16, 1940. Class 2.
Markwell Mfg. Co., Inc., New York, N. Y. Stapling machines. 378,892; June 25; Serial No. 421,093; published Sept. 26, 1939. Class 23.
Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Candies and chocolates. 134,413; renewed Aug. 31, 1940.
Massasoit Manufacturing Company, Fall River, Mass., assignor, by mesne assignments, to Massasoit Company, New York, N. Y. Calking-cotton. 135,747; renewed Oct. 19, 1940.
May Department Stores Company, The, St. Louis, Mo. Shoes. 379,045; June 25. Class 39.
Mayer, Oscar, & Co., Chicago, Ill. Sausage. 378,898; June 25; Serial No. 423,223; published Apr. 16, 1940. Class 46.
McLaurin Jones Co. (See Ware Coated Paper Company, assignor.)
Mengel Box Company, by change of name to The Mengel Company, Louisville, Ky. Fiber-board and corrugated fiber shipping containers or cartons. 136,534; renewed Nov. 2, 1940.

Men's Hats, Inc., Baltimore, Md. Men's hats. 379,002; June 25; Serial No. 428,515; published Apr. 9, 1940. Class 39.
Meyer, Georges, & Co. Ltd., Wohlen, Switzerland. Synthetic straw braids used in the manufacture of hat bodies. 378,939; June 25; Serial No. 427,637; published Apr. 16, 1940. Class 40.
Middletown Footwear Inc., Middletown, N. Y. Women's slippers, play shoes, and sandals. 379,008; June 25; Serial No. 428,582; published Apr. 2, 1940. Class 39.
Midwest Engine Company, Indianapolis, Ind., to The Utilitor Company, Miamiburg, Ohio, successor. Tractors. 130,212; renewed Apr. 13, 1940.
Minneapolis Brewing Company, Minneapolis, Minn. Beer. 379,035–7; June 25; Serial Nos. 429,063–5; published Apr. 16, 1940. Class 48.
Mishel, Hyman H., Philadelphia, Pa. Beach robes, beach pajamas, raincoats, etc. 378,886; June 25; Serial No. 415,848; published Apr. 16, 1940. Class 39.
Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala. Spar varnish. 378,911; June 25; Serial No. 425,351; published Apr. 16, 1940. Class 16.
Modern Shoe Company, St. Louis, Mo. Shoes. 379,066; June 25. Class 39.
Monarch Brewing Company, Chicago, Ill. Beer. 378,887; June 25; Serial No. 417,294; published Oct. 3, 1939. Class 48.
Musebeck Shoe Company, Danville, Ill. Shoes. 379,051; June 25. Class 39.
Nathan, Theodore R., New York, N. Y. Magazine section. 378,934; June 25; Serial No. 427,437; published Apr. 9, 1940. Class 38.
National Biscuit Company, New York, N. Y. Bakery products. 378,877; June 25; Serial No. 396,997; published Apr. 2, 1940. Class 46.
National Hospital Association, Portland, Oreg. First aid supplies. 378,879; June 25; Serial No. 406,146; published Apr. 16, 1940. Class 44.
National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware, and tableware. 378,949; June 25; Serial No. 427,850; published Apr. 9, 1940. Class 28.
National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware, and tableware. 379,022; June 25; Serial No. 428,817; published Apr. 9, 1940. Class 28.
National Sure-Fit Quilting Co., Inc., New York, N. Y. Quilts. 378,921; June 25; Serial No. 426,663; published Apr. 16, 1940. Class 42.
National Sure-Fit Quilting Co., Inc., New York, N. Y. Quilts. 378,922–4; June 25; Serial Nos. 426,666–8; published Apr. 16, 1940. Class 42.
National Telephone Supply Company, The, Cleveland, Ohio. Compression tools. 378,905; June 25; Serial No. 424,693; published Apr. 16, 1940. Class 23.
National Telephone Supply Company, The, Cleveland, Ohio. Connecting devices or sleeves. 378,901; June 25; Serial No. 423,674; published Apr. 16, 1940. Class 21.
Nestlé's Milk Products, Inc., New York, N. Y. Infants' foods and a specially prepared malted cereal food. 378,925; June 25; Serial No. 426,780; published Apr. 16, 1940. Class 46.
New Jaunty Sportswear, Inc., New York, N. Y. Coats, suits, outer skirts, etc. 378,926; June 25; Serial No. 426,864; published Apr. 2, 1940. Class 39.
Nicholaou, Harry D., Baltimore, Md. Insecticide. 379,038; June 25; Serial No. 429,099; published Apr. 9, 1940. Class 6.
Norma Multikolor, Inc., New York, N. Y. Mechanical pencils and leads therefor. 379,043; June 25; Serial No. 429,387; published Apr. 16, 1940. Class 37.
Northern Jobbing Company, St. Paul, Minn. Hosiery, sweaters, hoods, etc. 378,875; June 25; Serial No. 382,275; published Dec. 8, 1936. Class 39.
O-Neh-Da Vineyard and Distillery, Inc., Conesus, N. Y. Wine. 378,932; June 25; Serial No. 427,256; published Apr. 16, 1940. Class 47.
Otis Steel Company, The, Cleveland, Ohio. Sheet steel. 378,974; June 25; Serial No. 428,169; published Apr. 16, 1940. Class 14.
Pearson, Andrew R., and Robert S. Allen, Washington, D. C. Series of cartoons. 378,966; June 25; Serial No. 428,129; published Apr. 9, 1940. Class 38.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Shoes, hats, gloves, etc. 378,946; June 25; Serial No. 427,771; published Apr. 2, 1940. Class 39.
Pierce, Edna C., New York, N. Y. Series of articles periodically published. 378,888; June 25; Serial No. 418,691; published Apr. 16, 1940. Class 38.
Pittman & Harrison Company, to E. L. Bensel, doing business as Pittman & Harrison Company, Sherman, Tex., successor. Oat-seeds. 132,034; renewed June 8, 1940.
Pittsburgh Hat and Cap Company, Pittsburgh, Pa. Hats and caps. 379,058; June 25. Class 39.
Pli-Mode Shoe Company, Everett, Mass. Shoes and slippers. 378,947; June 25; Serial No. 427,772; published Apr. 9, 1940. Class 39.
Poultry Food Products, Inc., Chicago, Ill. Cat and dog food. 379,063; June 25. Class 46.
Powell's, New York, N. Y. Candy. 135,775; renewed Oct. 19, 1940.
Powers, Katherine, doing business as Powers & Co., Riverdale, Ill. Processed rice. 378,953; June 25; Serial No. 427,906; published Apr. 16, 1940. Class 46.
Ransom, John B. & Company, Nashville, to E. L. Bruce Co., Memphis, Tenn., successor. Shingles, laths, and oak flooring. 135,513; renewed Oct. 12, 1940.
Regina Company, The, New York, N. Y., to The Regina Corporation, Rahway, N. J., successor. Electric vacuum-cleaners and parts thereof. 135,051; renewed Sept. 21, 1940.
Remmers Soap Company, The, Cincinnati, Ohio, to The Hewitt Soap Company, Inc., Dayton, Ohio, successor. Toilet soap. 125,167; renewed Apr. 15, 1939.
Reynolds, E. W., Company, Los Angeles, Calif. Jewelry for personal wear. 378,906; June 25; Serial No. 424,889; published Apr. 16, 1940. Class 28.
Richetelli, Fred F., doing business as Terese Tobacco Co., New Haven, Conn. Cigarettes. 378,967; June 25; Serial No. 428,131; published Apr. 16, 1940. Class 17.
Richter, F. Ad., & Co., New York, assignor, by mesne assignments, to F. Ad. Richter & Co. Inc., Brooklyn, N. Y. Balsam. 136,170; renewed Oct. 26, 1940.
Riviera Packing Company, Oakland, Calif. Prepared food products. 378,928; June 25; Serial No. 426,899; published Apr. 9, 1940. Class 46.
Roe, A. V., & Co. Limited, Manchester, England. Supplies for aviators. 133,178; renewed July 13, 1940.
Roe, A. V., & Co. Limited, Manchester, England. Aviators' harness, belts, and metal coupling attachments for the same. 133,505; renewed July 27, 1940.
Salem Chemical & Supply Co. (See Symonds, Frank P., assignor.)
San Diego Fruit & Produce Company, San Diego, Calif. Fresh vegetables. 378,919; June 25; Serial No. 426,206; published Apr. 16, 1940. Class 46.
Sapolin Co., Inc., New York, N. Y. Ready mixed paint, paint enamel, and aluminum paint. 379,030; June 25; Serial No. 428,973; published Apr. 16, 1940. Class 16.
Scharf-Brenner Manufacturing Company, Inc., Philadelphia, Pa. Dresses. 379,052; June 25. Class 39.
Schiff, Jakob L., doing business as The Chemical Products Co., Baltimore, Md. Paint remover. 379,023; June 25; Serial No. 428,832; published Apr. 16, 1940. Class 16.
Seven Up Company. (See Grigg, Charles L., assignor.)
Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Alkaline antiseptic suppositories. 131,611; renewed May 18, 1940.
Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Rubefacient ointment. 131,831; renewed May 25, 1940.
Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Digestive compound. 131,832; renewed May 25, 1940.
Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Urinary antiseptic capsules. 132,522; renewed June 22, 1940.
Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Antiseptic tablets. 132,523; renewed June 22, 1940.
Sherry, I., Company, Inc., New York, N. Y. Sweaters, bathing suits, and swimming trunks. 378,890; June 25; Serial No. 420,115; published Sept. 26, 1939. Class 39.
Shoe Lace Company, Lawrence, Mass. Shoe lacings. 379,015–16; June 25; Serial Nos. 428,771–2; published Apr. 16, 1940. Class 40.
Simon, I., & Sons, Inc., Paterson, N. J. Gloves, sweaters, underwear, etc. 378,909; June 25; Serial No. 425,165; published Apr. 16, 1940. Class 39.
Skinner Chuck Company, The, New Britain, Conn. Chucks. 136,190; renewed Oct. 26, 1940.
Smith, T. Harris, Philadelphia, Pa. Filing boxes. 378,876; June 25; Serial No. 388,519; published Mar. 8, 1938. Class 2.
Socony-Vacuum Oil Company. (See Vacuum Oil Company, assignor.)
Soil-Off Manufacturing Co., Glendale, Calif. Polish and refinisher. 378,915; June 25; Serial No. 425,863; published Apr. 9, 1940. Class 16.
Southworth Company, Mittineague, to Southworth Company, West Springfield, Mass. Writing paper. 18,602; re-renewed Nov. 4, 1940.
Southworth Company, West Springfield, Mass. Writing and copy paper. 378,994; June 25; Serial No. 428,445; published Apr. 16, 1940. Class 37.
Standard Milling Company, New York, N. Y. Wheat flour. 378,960; June 25; Serial No. 428,058; published Apr. 16, 1940. Class 46.
Steiger & Kerr Stove & Foundry Co., San Francisco, to Steiger & Kerr Stove & Foundry Co., Irvington, Calif. Stoves, ranges and heaters. 132,819; renewed June 29, 1940.
Stetson Shoe Company, Incorporated, The, Weymouth, Mass. Boots and shoes. 378,982; June 25; Serial No. 428,295; published Apr. 9, 1940. Class 39.
Stromeyer, Julius, assignor to J. Stromeyer Company, Philadelphia, Pa. Syrups. 136,205; renewed Oct. 26, 1940.
Superb Glove Co., The, Johnstown, N. Y. Gloves. 379,031; June 25; Serial No. 429,013; published Apr. 9, 1940. Class 39.

Sussberg & Feinberg, Inc., New York, N. Y. Lingerie. 378,883; June 25; Serial No. 413,805; published Apr. 16, 1940. Class 39.

Symonds, Frank P., assignor to Salem Chemical & Supply Co., Salem, Mass. Witch-hazel, disinfectant, insect-exterminators, etc. 135,088; renewed Sept. 21, 1940.

Tasty-Krisp Products, Inc., Detroit, Mich. Peanuts. 379,011; June 25; Serial No. 428,709; published Apr. 16, 1940. Class 46.

Taylor, Thos. P., Company, The, Bridgeport, Conn., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Garters. 135,541; renewed Oct. 12, 1940.

Terese Tobacco Co. (See Richetelli, Fred F.)

Thomson-Diggs Company, The, Sacramento, Calif. Fishing supplies. 136,964; renewed Nov. 9, 1940.

Tioga Silk Company, Inc., New York, N. Y. Satins in the piece. 378,882; June 25; Serial No. 413,525; published Apr. 16, 1940. Class 42.

Townsend National Weekly, Inc., Chicago, Ill. Publication. 378,893; June 25; Serial No. 421,466; published Apr. 16, 1940. Class 38.

Ulmann, Bernard, Co. Inc., New York, N. Y. Art needlework foundation material. 379,039; June 25; Serial No. 429,147; published Apr. 16, 1940. Class 40.

United Cigar-Whelan Stores Corporation, New York, N. Y. Soap. 378,881; June 25; Serial No. 412,529; published May 2, 1939. Class 4.

United Citrus Products, Inc., Cambridge, Mass. Flavoring material. 378,809; June 25; Serial No. 423,581; published Apr. 16, 1940. Class 45.

United Feature Syndicate, Inc., New York, N. Y. Publication. 378,950; June 25; Serial No. 427,857; published Apr. 9, 1940. Class 38.

United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. 378,940; June 25; Serial No. 427,687; published Apr. 9, 1940. Class 38.

United States Rubber Company. (See Dunlap, Lawton & Hall, assignors.)

United States Rubber Company, New Brunswick, N. J., and New York, to United States Rubber Company, New York, N. Y. Arctics. 134,937; renewed Sept. 14, 1940.

United States Rubber Company, New Brunswick, N. J., and New York, to United States Rubber Company, New York, N. Y. Floor-covering. 133,856; renewed Aug. 3, 1940.

Universal Camera Corporation, New York, N. Y. Telephoto lenses, photographic lenses, and cameras. 379,024; June 25; Serial No. 428,843; published Apr. 16, 1940. Class 26.

Universal Dental Company, Philadelphia, Pa. Dental supplies. 379,041; June 25; Serial No. 429,236; published Apr. 16, 1940. Class 44.

Utilitor Company, The. (See Midwest Engine Company.)

Vacuum Oil Company, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating-oils. 136,234; renewed Oct. 26, 1940.

Vandam, Albert H., Co., Inc., New York, N. Y. Cotton piece goods. 379,017; June 25; Serial No. 428,775; published Apr. 16, 1940. Class 42.

Vanderbilt, R. T., Company, Incorporated, The, New York, N. Y. Coating material in the nature of paint. 378,983; June 25; Serial No. 428,297; published Apr. 16, 1940. Class 16.

Vanity Fair Silk Mills, Reading, Pa. Hosiery and knitted and textile underwear. 378,880; June 25; Serial No. 408,672; published Aug. 29, 1939. Class 39.

Varley, James G., New York, N. Y. Dental plates and dental instruments. 378,935; June 25; Serial No. 427,448; published Apr. 16, 1940. Class 44.

Vermillion, L. B., doing business as Jubilee Avocado Co., Vista, Calif. Fresh avocados. 378,950; June 25; Serial No. 428,007; published Apr. 16, 1940. Class 46.

Waldes & Co., Prague, Bohemia, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Fancy goods, furnishings, and notions. 136,246; renewed Oct. 26, 1940.

Ward Baking Company, New York, N. Y. Cakes. 136,979; renewed Nov. 9, 1940.

Ware Coated Paper Company, Ware, assignor to McLaurin Jones Co., Brookfield, Mass. Proofing-paper. 136,980; renewed Nov. 9, 1940.

Watson Company, The, Attleboro, Mass. Flatware and hollowware. 378,954; June 25; Serial No. 427,913; published Apr. 16, 1940. Class 28.

Weinreich, Sol E., doing business as Weinreich Brothers Company, New York, N. Y. Jewelry. 378,943; June 25; Serial No. 427,732; published Apr. 16, 1940. Class 28.

Wells-Lamont-Smith Corporation, Chicago, Ill. Work gloves. 379,012; June 25; Serial No. 428,714; published Apr. 9, 1940. Class 39.

Wells-Lamont-Smith Corporation, Chicago, Ill. Work gloves. 379,029; June 25; Serial No. 428,943; published Apr. 9, 1940. Class 39.

West Coast Manchester Mills, Inc., Los Angeles, Calif. Women's and girls' clothing. 378,894; June 25; Serial No. 421,914; published Apr. 9, 1940. Class 39.

Whitelaw, Aubrey H., New York, N. Y. News column. 378,914; June 25; Serial No. 425,720; published Apr. 9, 1940. Class 38.

Whitney-Eckstein Seed Co., Buffalo, N. Y. Grass-seed, lawn-seed, lawn-grass mixtures, etc. 136,259; renewed Oct. 26, 1940.

Will Corporation, The, Rochester, N. Y. Cellulose compound. 132,592; renewed June 22, 1940.

Wilson Brothers, Chicago, Ill. Men's mufflers. 379,001; June 25; Serial No. 428,511; published Apr. 9, 1940. Class 39.

Winning Horse, The. (See Griesman, Franklin J.)

Wolfe & Lang, Inc., New York, N. Y. Girdles, panties, corsets, etc. 379,032; June 25; Serial No. 429,020; published Apr. 9, 1940. Class 39.

Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Automatic sand-operated mechanical toys and toy dishes. 135,363; renewed Sept. 28, 1940.

Woodford Products Company, Chicago, Ill. Hair pins and hair curlers. 379,013; June 25; Serial No. 428,716; published Apr. 16, 1940. Class 40.

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. 379,025–8; June 25; Serial Nos. 428,848–51; published Apr. 16, 1940. Class 21.

Zephyr American Corp., New York, N. Y. Combined paperweight and pen holder. 378,962; June 25; Serial No. 428,093; published Apr. 16, 1940. Class 37.

Ziff-Davis Publishing Company, Chicago, Ill. Series of books. 378,944; June 25; Serial No. 427,739; published Apr. 16, 1940. Class 38.

Zinker, Alfred, New York, N. Y. Preparation for cleaning and polishing automobile bodies. 378,981; June 25; Serial No. 428,274; published Apr. 16, 1940. Class 16.

LIST OF REGISTRANTS OF LABELS

Adams, L. B., & Co., Birmingham, Ala. Soclene. For a Cleanser. 55,001; June 25.

Ambrosia Chocolate Company, Milwaukee, Wis. Fudg-In. For a Powder for Making a Chocolate Flavored Fudge Ice Cream. 55,002; June 25.

Ambrosia Chocolate Company, Milwaukee, Wis. Ribbon Fudge. For a Powder for Making Chocolate Flavored Fudge Ice Cream. 55,003; June 25.

Bacon, Martin J., Los Angeles, Calif. Jack the Ripper. For a Seam Ripper. 55,004; June 25.

Beresford, Hobart, Idaho Falls, Idaho. Tatol. For a Traffic Line Lacquer Thinner. 55,005; June 25.

Bird & Son, Inc., East Walpole, Mass. Quality Skating Outfit. For Cartons. 55,006; June 25.

Bloomfield Hills Beverage Company, Detroit, Mich. Big Joe. For Root Beer. 55,007; June 25.

Bond, J., & Company, Inc., New York, N. Y. Royal Bond. For Diced Carrots. 55,008; June 25.

Busch, John R., Breinigsville, Pa. Koke Up. For a Carbonated Beverage. 55,009; June 25.

Continental Distilling Corporation, Philadelphia, Pa. Baltimore Belle. For Blended Whiskey. 55,010; June 25.

Continental Distilling Corporation, Philadelphia, Pa. Captain Kidd. For Rum. 55,011; June 25.

Continental Distilling Corporation, Philadelphia, Pa. Clipper Rum. For Rum. 55,012; June 25.

Continental Distilling Corporation, Philadelphia, Pa. Embassy. For Rum. 55,013; June 25.

Continental Distilling Corporation, Philadelphia, Pa. Key Largo. For Rum. 55,014; June 25.

Continental Distilling Corporation, Philadelphia, Pa. La Conga. For Rum. 55,015; June 25.

Continental Distilling Corporation, Philadelphia, Pa. Plantation De Luxe Rum. For Rum. 55,016; June 25.

Continental Distilling Corporation, Philadelphia, Pa. Yankee Rum. For Rum. 55,017; June 25.

Ford, Luther & Co., Minneapolis, Minn. Mrs. Stewart's Concentrated Liquid Bluing. For Concentrated Liquid Bluing. 55,018; June 25.

Frantz, Emile, San Francisco, Calif. Eucalyptus Sticks. For Incense. 55,019; June 25.

Fresh-Omatic Coffee Roasting System, Inc., St. Louis, Mo. Freshust Coffee. For Coffee. 55,020; June 25.

Georgia Pickled Peach Company, Gay, Ga. Georgia Pickled Peaches, Pine Mountain Brand. For Pickled Peaches. 55,021; June 25.

Graham, John H., & Co., Inc., New York, N. Y. King Cotton Cord Coil. For Braided Cord in Colors for Venetian Blinds and Decorative Use. 55,022; June 25.

Grieff & Lutzker, New York, N. Y. This Garment is an Original Gilkraft Model. For Garments. 55,023; June 25.

Healthone Company. (See Offutt, Winfield R.)

International Cellucotton Products Company, Chicago, Ill. Kleenex. For Tissues. 55,024; June 25.

Markwell Mfg. Co., Inc., New York, N. Y. Bradmaster by Markwell. For Brad Driving Tools. 55,025; June 25.

McCutcheon, James & Company, New York, N. Y. McCutcheon's Blue Label Pillow-Case. For Pillow Cases. 55,026; June 25.

McCutcheon, James, & Company, New York, N. Y. McCutcheon's Blue Label Sheet. For Sheets. 55,027; June 25.

Menasha Products Company, Menasha, Wis. Floodwood Butter. For Butter. 55,028; June 25.

Menasha Products Company, Menasha, Wis. Menasha Brand Butter. For Butter. 55,029; June 25.

Menasha Products Company, Menasha, Wis. Menasha Ice Cream. For Ice Cream. 55,030; June 25.

Menasha Products Company, Menasha, Wis. Menasha Ice Cream. For Ice Cream. 55,031; June 25.

Menasha Products Company, Menasha, Wis. Dehns Ice Cream. For Ice Cream. 55,032; June 25.

Meyer, Richard A., Los Angeles, Calif. Atta, Atta Foot, A Athlete's Foot Formula. For Antiseptic Inner Soles for Shoes and Other Footwear. 55,033; June 25.

Michigan Bakeries, Inc., Grand Rapids, Mich. "Michigan" Do-Nuts. For Doughnuts. 55,034; June 25.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Shurfine. For Salad Dressing. 55,035; June 25.

National Retailer-Owned Grovers, Inc., Chicago, Ill. Way-to-Win. For Pastry Flour. 55,036; June 25.

O-Cedar Corp'n., Chicago, Ill. O-Cedar Car-Glos. For a Polish and Cleaner. 55,037; June 25.

O-Cedar Corp'n., Chicago, Ill. O-Cedar Moth-Away Cone. For Refill Fluid Containing Effective Moth-Killing Agents Prepared for Use with Cone-Shaped Containers. 55,038; June 25.

Offutt, Winfield R., doing business as Healthtone Company, Louisville, Ky. Health Tone. For a Laxative. 55,039; June 25.

Pacific Sun Foods Company, Los Angeles, Calif. Sun-Food. For a Canned Concentrated Vegetable Compound. 55,040; June 25.

Recordak Corporation, New York, N. Y. Fine-Grain Panchromatic Recordak Safety Film. For Panchromatic Safety Film. 55,041; June 25.

Reinfeld, Joseph H., Inc., Newark, N. J. Don Juan. For Pure California Alicante Wine. 55,042; June 25.

Reinfeld, Joseph H., Inc., Newark, N. J. Imperial Banquet. For Pure California Barbera Wine. 55,043; June 25.

Royal, Thomas M., & Co., Philadelphia, Pa. Snack-Sacks. For Bags. 55,044; June 25.

Schulman, Louis, Co. Inc., New York, N. Y. King of Lace. For Blouses and Lingerie. 55,045; June 25.

Schulman, Louis, Co. Inc., New York, N. Y. Swagger. For Sportswear. 55,046; June 25.

Schulman, Louis, Co. Inc., New York, N. Y. Tommy Tucker. For Boys' Shirts. 55,047; June 25.

Schulman, Louis, Co. Inc., New York, N. Y. Worth Crowing For. For Candy. 55,048; June 25.

Shulton, Inc., New York, N. Y., and Hoboken, N. J. Early American Sewing Bee. For Toiletries. 55,049; June 25.

Standard Brands Incorporated, New York, N. Y. Golden Glow. For Coffee. 55,050; June 25.

Standard Toykraft Products, Inc., Brooklyn, N. Y. Tom Sawyer Slate Outfit. For Slate Outfits, Comprising a Slate, Eraser, Stencils and White and Colored Chalks. 55,051; June 25.

Ulmer Laboratories, Minneapolis, Minn. Billiposol. For a Lipoid-Soluble Basic Bismuth for Intramuscular Injection in the Treatment of all Stages of Syphilis. 55,052–3; June 25.

Vita Foods, Jacksonville, Fla. Golden Glow. For a Salad Spread. 55,054; June 25.

Vita Foods, Jacksonville, Fla. Vita-Food. For Jellies. 55,055; June 25.

Zellerbach Paper Company, San Francisco, Calif. One Kitchenette Table Cover. For Table Covers. 55,056; June 25.

Zellerbach Paper Company, San Francisco, Calif. Eighty Kitchenette Embossed Napkins. For Embossed Napkins. 55,057; June 25.

Zellerbach Paper Company, San Francisco, Calif. Thirty Kitchenette Cocktail Napkins. For Cocktail Napkins. 55,058; June 25.

Zellerbach Paper Company, San Francisco, Calif. Kitchenette De Luxe Drawer Lining and Shelf Paper. For Drawer Lining and Shelf Paper. 55,059; June 25.

Zellerbach Paper Company, San Francisco, Calif. 150 Household Kitchenette Roll Towels. For Household Towels. 55,060; June 25.

Zellerbach Paper Company, San Francisco, Calif. 6 Kitchenette Salt & Pepper Shakers. For Salt and Pepper Shakers. 55,061; June 25.

Zellerbach Paper Company, San Francisco, Calif. Continuous Roll Heavy Kitchenette Waxed Paper. For Waxed Paper. 55,062; June 25.

Zimmerman, Hyman H., doing business as Zim's Wine and Liquor Distributors, Chicago, Ill. Orchid. For Kentucky Straight Bourbon Whiskey. 55,063; June 25.

Zim's Wine and Liquor Distributors. (See Zimmerman, Hyman H.)

LIST OF REGISTRANTS OF PRINTS

American Bosch Corporation, Springfield, Mass. Is Your Magneto Costing You Money? For Magnetos. 18,052; June 25.

Dandro-Nox Co., Inc., The, Baltimore, Md. Ezap. For an Antiseptic Scalp Lotion. 18,053; June 25.

Doho Chemical Corporation, New York, N. Y. Otitis from Adenoids and Tonsils. For a Medicament used in the Treatment of Otitis Resulting from Hypertrophy and Infection of the Adenoid and Tonsils. 18,054; June 25.

Doho Chemical Corporation, New York, N. Y. The Pathology of Otitis Media. For a Medicament for the Relief of Edema and Congestion in the Ear. 18,055; June 25.

Doho Chemical Corporation, New York, N. Y. Pediatric Symptoms of Otitis Media. For a Medication for Ear Complications. 18,056; June 25.

Gerosa, Chas., Ossining, N. Y. Char-Kole Hamburger. For Hamburgers. 18,057; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (HB12–A). For Coffee. 18,058; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (No. HB–1). For Coffee. 18,059; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (No. HB–4–A). For Coffee. 18,060; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (No. HB–5). For Coffee. 18,061; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (HB13). For Coffee. 18,062; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (No. HB–2–A). For Coffee. 18,063; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (No. HB–3). For Coffee. 18,064; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (HB7). For Coffee. 18,065; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (HB–6A). For Coffee. 18,066; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (HB8–A). For Coffee. 18,067; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (HB11). For Coffee. 18,068; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (HB10–A). For Coffee. 18,069; June 25.

Hills Bros. Coffee, Inc., San Francisco, Calif. "Now That's What I Call Good Coffee" (HB9). For Coffee. 18,070; June 25.

Lily-Tulip Cup Corporation, New York, N. Y. Blizzard—The Drink You Can't Forget—Made and Served in Lily-Tulip Cups—For 100% Sanitation. For a Drink and Paper Cups. 18,071; June 25.

Lily-Tulip Cup Corporation, New York, N. Y. Blizzard—Made and Served in Lily-Tulip Cups—For 100% Sanitation . . . The Drink You Can't Forget. For a Drink and Paper Cups. 18,072; June 25.

Markwell Mfg. Co., Inc., New York, N. Y. It's Magnetic—Markwell Bradmaster. For Brad Driving Tools. 18,073; June 25.

Parker Pen Company, The, Janesville, Wis. Senior Class Presidents, Coast-to-Coast, Announce 'We Want Parker'. For Pens, Pencils and Ink. 18,074; June 25.

Perkins Products Company, Chicago, Ill. Kool-Aid. For Bubble Gum. 18,075; June 25.

Schautz, William A., Inc., New York, N. Y. Your Daily Bread. For Bread. 18,076; June 25.

Shulton, Inc., New York, N. Y., and Hoboken, N. J. Early American Old Spice Home Decoration. For Embroidery Transfer Patterns. 18,077; June 25.

Tasty Baking Company, Philadelphia, Pa. Tastykake. For Cake. 18,078; June 25.

Water Culture Foundation, Dallas, Tex. Hy-Gro, for all Plants. For a Plant Growth Accelerator. 18,079; June 25.

Water Culture Foundation, Dallas, Tex. Quick-Mix Vitamin B1. For a Mix of Vitamin B1 with Plant Hormones Stabilized for Initiating and Reinvigorating Root Growth in Plants, Flowers, Trees and Shrubs. 18,080; June 25.

Willard Storage Battery Company, Cleveland, Ohio. Guaranteed Fully Charged! For Storage Batteries. 18,081; June 25.

World Bottling Co., Ltd., New Orleans, La. A Tasty Drink for Thirsty Throats. For a Drink. 18,082; June 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay and more particularly Florida fuller's earth, Process. Floridin Company. 378,987; June 25; Serial No. 428,310; published Apr. 16, 1940.
Coal. Central Fuel Corporation. 378,986; June 25; Serial No. 428,304; published Apr. 16, 1940.
Cotton, Calking. Massasoit Manufacturing Company. 135,747; renewed Oct. 19, 1940.
Furs, skins, and matchings. H. Kaufman. 378,937; June 25; Serial No. 427,542; published Apr. 16, 1940.
Gravel, sand, and loam. J. W. Babine. 378,963; June 25; Serial No. 428,101; published Apr. 16, 1940.
Peat moss. Atkins & Dunbrow, Inc. 378,976; June 25; Serial No. 428,219; published Apr. 16, 1940.
Seed, lawn-seed, lawn-grass mixtures, etc., Grass. Whitney-Eckstein Seed Co. 136,259; renewed Oct. 26, 1940.
Seeds, Oat. Pittman & Harrison Company. 132,034; renewed June 8, 1940.
Sponges, Bath. L. J. Arms. 379,003; June 25; Serial No. 428,516; published Apr. 16, 1940.
Wood pulp. Brown Company. 378,984; June 25; Serial No. 428,300; published Apr. 16, 1940.

CLASS 2

Bags, Paper. Atlanta Paper Company. 136,307; renewed Nov. 2, 1940.
Boxes, Filing. T. H. Smith. 378,876; June 25; Serial No. 388,519; published Mar. 8, 1938.
Containers or cartons, Fiber-board and corrugated fiber shipping. Mengel Box Company. 136,534; renewed Nov. 2, 1940.
Vaults, Burial. Marion Metal Products Company. 378,896; June 25; Serial No. 422,367; published Apr. 16, 1940.

CLASS 4

Abrasive discs. Armour and Company of Delaware. 378,968; June 25; Serial No. 428,143; published Apr. 16, 1940.
Abrasives. Exolon Company. 135,666–7; renewed Oct. 19, 1940.
Cleaner, Paint and varnish. L. T. Larson. 378,979; June 25; Serial No. 428,360; published Apr. 16, 1940.
Dressing and preservative for leather, rubber, canvas, etc. Chicago Belting Company. 135,412; renewed Oct. 12, 1940.
Soap. United Cigar-Whelan Stores Corporation. 378,881; June 25; Serial No. 412,529; published May 2, 1939.
Soap and shaving-soap. Lehn & Fink, Inc. 135,729; renewed Oct. 19, 1940.
Soap, Toilet. Remmers Soap Company. 125,167; renewed Apr. 15, 1939.
Soaps. J. H. Karp. 136,490; renewed Nov. 2, 1940.

CLASS 6

Antiseptic tablets. Sharp & Dohme. 132,523; renewed June 22, 1940.
Balsam. F. Ad. Richter, & Co. 136,170; renewed Oct. 26, 1940.
Capsules, Urinary antiseptic. Sharp & Dohme. 132,522; renewed June 22, 1940.
Cellulose compound. Will Corporation. 132,592; renewed June 22, 1940.
Compound, Digestive. Sharp & Dohme. 131,832; renewed May 25, 1940.
Creams, Toilet. F. N. Lewis. 136,514; renewed Nov. 2, 1940.
Insecticide. H. D. Nicholaou. 379,038; June 25; Serial No. 429,099; published Apr. 9, 1940.
Ointment, Rubefacient. Sharp & Dohme. 131,831; renewed May 25, 1940.
Suppositories. Alkaline antiseptic. Sharp & Dohme. 131,611; renewed May 18, 1940.
Witch-hazel, disinfectant, insect-exterminators, etc. F. P. Symonds. 135,088; renewed Sept. 21, 1940.

CLASS 8

Pipes and cigarette holders, Smoking. J. Galter. 378,980; June 25; Serial No. 428,230; published Apr. 16, 1940.
Pipes and cigarette holders, Smoking. J. Galter. 379,068; June 25.

CLASS 9

Powder, Propellent. Hercules Powder Company. 378,961; June 25; Serial No. 428,077; published Apr. 2, 1940.

CLASS 12

Shingles, laths, and oak flooring. John B. Ransom & Company. 135,513; renewed Oct. 12, 1940.

CLASS 13

Nails. Deniston Company. 379,005; June 25; Serial No. 428,543; published Apr. 16, 1940.

CLASS 14

Castings, Steel. Detroit Steel Castings Co. 378,998; June 25; Serial No. 428,473; published Apr. 16, 1940.
Steel, Sheet. Otis Steel Company. 378,974; June 25; Serial No. 428,169; published Apr. 16, 1940.

CLASS 15

Oil rust-preventive. E. F. Houghton & Co. 132,171; renewed June 15, 1940.
Oils and greases. Johnson Oil Refining Company. 133,150; renewed July 13, 1940.
Oils, Lubricating. Vacuum Oil Company. 136,234; renewed Oct. 26, 1940.

CLASS 16

Coating material. R. T. Vanderbilt Company. 378,983; June 25; Serial No. 428,297; published Apr. 16, 1940.
Paint, paint enamel, and aluminum paint, Ready mixed. Sapolin Co. Inc. 379,030; June 25; Serial No. 428,973; published Apr. 16, 1940.
Paint remover. J. L. Schiff. 379,023; June 25; Serial No. 428,832; published Apr. 16, 1940.
Paints and painters' materials. Glidden Company. 134,658; renewed Sept. 14, 1940.
Paints, Ready mixed. Cook Paint & Varnish Company. 378,878; June 25; Serial No. 397,500; published Nov. 21, 1939.
Polish and refinisher. Sell-Off Manufacturing Co. 378,915; June 25; Serial No. 425,863; published Apr. 9, 1940.
Preparation for cleaning and polishing automobile bodies. A. Zinker. 378,981; June 25; Serial No. 428,274; published Apr. 16, 1940.
Varnish. P. D. George Company. 136,432; renewed Nov. 2, 1940.
Varnish and varnish combined with pigment to form enamel, Clear. Carpenter-Morton Company. 378,985; June 25; Serial No. 428,303; published Apr. 16, 1940.
Varnish, Spar. Mobile Paint Manufacturing Company of Delaware, Inc. 378,911; June 25; Serial No. 425,351; published Apr. 16, 1940.

CLASS 17

Cigarettes. F. F. Richeteill. 378,967; June 25; Serial No. 428,131; published Apr. 16, 1940.
Tobacco, Smoking and chewing. Liggett & Myers Tobacco Company. 136,516; renewed Nov. 2, 1940.

CLASS 19

Bicycles. Arnold, Schwinn & Company. 379,044; June 25.

CLASS 20

Floor-covering. United States Rubber Company. 133,856; renewed Aug. 3, 1940.

CLASS 21

Connecting devices or sleeves. National Telephone Supply Company. 378,901; June 25; Serial No. 423,674; published Apr. 16, 1940.
Flashlights. Blake Manufacturing Corporation. 379,019; June 25; Serial No. 428,796; published Apr. 16, 1940.
Irons, Pressing steam electric hand. J. Galter. 378,965; June 25; Serial No. 428,114; published Apr. 16, 1940.
Mixers and food mixers (kitchen mechanics), Electric beverage. Bersted Manufacturing Company. 378,910; June 25; Serial No. 425,225; published Apr. 16, 1940.
Radio and television receiving sets and parts thereof. Zenith Radio Corporation. 379,025–8; June 25; Serial No. 428,848–51; published Apr. 16, 1940.
Signs, Electrical. Artkraft Sign Company. 378,885; June 25; Serial No. 415,578; published Apr. 16, 1940.
Stoves, Electrical. Gibson Electric Refrigerator Corporation. 378,952; June 25; Serial No. 427,890; published Apr. 16, 1940.
Vacuum cleaners and parts thereof, Electric. Regina Company. 135,051; renewed Sept. 21, 1940.

CLASS 22

Fishing supplies. Thomson-Diggs Company. 136,964; renewed Nov. 9, 1940.
Harness, belts, and metal coupling attachments for the same, Aviators'. A. V. Roe & Co. Limited. 133,505; renewed July 27, 1940.
Supplies for aviators. A. V. Roe & Co. Limited. 133,178; renewed July 13, 1940.

Toys and toy dishes, Automatic sand-operated mechanical. Wolverine Supply and Manufacturing Company. 135,863; renewed Sept. 28, 1940.

CLASS 23

Chucks. Skinner Chuck Company. 136,190; renewed Oct. 26, 1940.
Dishwashing machines. L. S. D., Inc. 379,014; June 25; Serial No. 428,758; published Apr. 16, 1940.
Gears, Sprocket. Boston Gear Works, Inc. 378,970; June 25; Serial No. 428,146; published Apr. 16, 1940.
Stapling machines. Markwell Mfg. Co. 378,892; June 25; Serial No. 421,092; published Sept. 26, 1939.
Tools, Compression. National Telephone Supply Company. 378,905; June 25; Serial No. 424,693; published Apr. 16, 1940.
Tools, Hand. American Fork & Hoe Company. 378,897; June 25; Serial No. 428,047; published Nov. 14, 1939.
Tractors. Midwest Engine Company. 130,212; renewed Apr. 13, 1940.

CLASS 26

Cameras. Lawrence Engineering Service. 378,895; June 25; Serial No. 422,290; published Apr. 16, 1940.
Lenses, photographic lenses, and cameras, Telephoto. Universal Camera Corporation. 379,024; June 25; Serial No. 428,843; published Apr. 16, 1940.
Meteorological apparatus. Bendix Aviation Corporation. 378,884; June 25; Serial No. 413,813; published Mar. 5, 1940.
Photographic goods. General Aniline & Film Corporation. 378,951; June 25; Serial No. 427,888; published Mar. 26, 1940.
Picture apparatus, Sound. Electrical Research Products Inc. 378,938; June 25; Serial No. 427,625; published Apr. 16, 1940.
Timers, Weld. Electric Controller & Manufacturing Co. 378,912; June 25; Serial No. 425,515; published Apr. 16, 1940.

CLASS 27

Watches and clocks. Longines-Wittnauer Watch Co. Inc. 378,958; June 25; Serial No. 427,987; published Apr. 16, 1940.
Watches and watch movements. Manheimer Watch Company. 379,048; June 25.

CLASS 28

Flatware and hollowware. Watson Company. 378,954; June 25; Serial No. 427,913; published Apr. 16, 1940.
Flatware, hollow ware, and tableware, Sterling silver and silver plated. National Silver Company. 379,022; June 25; Serial No. 428,817; published Apr. 9, 1940.
Jewelry. E. W. Reynolds Company. 378,906; June 25; Serial No. 424,889; published Apr. 16, 1940.
Jewelry. S. E. Weinreich. 378,943; June 25; Serial No. 427,732; published Apr. 16, 1940.
Rings, Precious metal finger. H. Frackman. 378,920; June 25; Serial No. 426,647; published Apr. 9, 1940.
Silver and silver plated flatware, hollow ware, and tableware, Sterling. National Silver Company. 378,949; June 25; Serial No. 427,650; published Apr. 9, 1940.

CLASS 29

Tooth brushes and powder puffs. M. O. Bock. 379,057; June 25.

CLASS 34

Gas storage and dispensing units and fittings assembled in connection therewith, Butane. C. J. Bender. 378,941; June 25; Serial No. 427,696; published Apr. 16, 1940.
Stoves, ranges and heaters. Steiger & Kerr Stove & Foundry Co. 132,819; renewed June 29, 1940.

CLASS 36

Phonograph records and record blanks. Columbia Phonograph Company. 379,020–1; June 25; Serial Nos. 428,799–800; published Apr. 16, 1940.

CLASS 37

Pads, Writing and memorandum. Bermat Products Corp. 378,948; June 25; Serial No. 427,788; published Apr. 16, 1940.
Paper, Drum finished. Champion Paper and Fibre Company. 378,900; June 25; Serial No. 423,656; published Apr. 16, 1940.
Paper, Proofing. Ware Coated Paper Company. 136,980; renewed Nov. 9, 1940.
Paper, Writing. Southworth Company. 18,602; renewed Nov. 4, 1940.
Paper, Writing and copy. Southworth Company. 378,994; June 25; Serial No. 428,445; published Apr. 16, 1940.
Paperweight and penholder, Combined. Zephyr American Corp. 378,962; June 25; Serial No. 428,093; published Apr. 16, 1940.
Pencils and leads therefor, Mechanical. Norma Multiholer, Inc. 379,042; June 25; Serial No. 429,387; published Apr. 16, 1940.
Pencils, Lead. Joseph Dixon Crucible Company. 136,403; renewed Nov. 2, 1940.
Registers, Autographic. Atlantic Register Company. 379,056; June 25.
Stencils. N. E. Allen. 379,054; June 25.
Tablets, Writing. Kansas Book Dealers Association. 131,529; renewed May 18, 1940.

CLASS 38

Articles periodically published, Series. E. C. Pierce. 378,888; June 25; Serial No. 418,691; published Apr. 16, 1940.
Books, Series of. Ziff-Davis Publishing Company. 378,944; June 25; Serial No. 427,739; published Apr. 16, 1940.
Cartoons published in a series. Detective Comics, Inc. 378,913; June 25; Serial No. 425,642; published Apr. 9, 1940.
Charts and booklets, Illustrated and educational. Internationale Stichting Tot Verbreiding der Beeldpaedagogie, Volgens de Weemsche Methode. 378,891; June 25; Serial No. 420,766; published Apr. 9, 1940.
Magazine. Beau, Inc. 378,969; June 25; Serial No. 428,144; published Apr. 9, 1940.
Magazine section. T. R. Nathan. 378,934; June 25; Serial No. 427,437; published Apr. 9, 1940.
News column. A. H. Whitelaw. 378,914; June 25; Serial No. 425,720; published Apr. 9, 1940.
Newspapers. La Voix de France Publishing Co. 378,929; June 25; Serial No. 426,952; published Apr. 16, 1940.
Publication. Commerce Clearing House, Inc. 378,964; June 25; Serial No. 428,108; published Apr. 16, 1940.
Publication, Townsend National Weekly, Inc. 378,893; June 25; Serial No. 421,466; published Apr. 16, 1940.
Publication, United Feature Syndicate, Inc. 378,950; June 25; Serial No. 427,857; published Apr. 9, 1940.
Publication, Monthly, Crime Detective, Inc. 378,955; June 25; Serial No. 427,966; published Apr. 9, 1940.
Publication, Monthly, Hillman-Curl, Inc. 378,956–7; June 25; Serial Nos. 427,978–9; published Apr. 9, 1940.
Publication, Periodical, Comic Magazines, Inc. 378,971–2; June 25; Serial Nos. 428,150–1; published Apr. 9, 1940.
Publication, Weekly, F. J. Griesman. 378,945; June 25; Serial No. 427,756; published Apr. 9, 1940.
Sections of periodical publications, United States News Publishing Corporation. 378,940; June 25; Serial No. 427,687; published Apr. 9, 1940.
Series of cartoons. Andrew R. Pearson and Robert S. Allen. 378,966; June 25; Serial No. 428,129; published Apr. 9, 1940.

CLASS 39

Apparel and combinations of garments and accessories, Wearing. Cora Chandler's Inc. 379,059; June 25.
Apparel, Women's wearing. Nat Lewis Retail Corporation. 379,064; June 25.
Arctics. United States Rubber Company. 134,637; renewed Sept. 14, 1940.
Boots and shoes. Curtis Shoe Company. 378,975; June 25; Serial No. 428,185; published Apr. 9, 1940.
Boots and shoes. Gardiner Shoe Company. 379,006; June 25; Serial No. 428,445; published Apr. 2, 1940.
Boots and shoes. Stetson Shoe Company. 378,982; June 25; Serial No. 428,295; published Apr. 9, 1940.
Boots or shoes. Converse Rubber Shoe Company. 131,728; renewed May 25, 1940.
Boots, shoes, and slippers. Cammeyer Fifth Ave., Inc. 379,046; June 25.
Brassières, bandeaux, corsets, etc. Maiden Form Brassiere Company. 379,034; June 25; Serial No. 429,060; published Apr. 9, 1940.
Clothing. James A. Hearn & Son Inc. 136,828; renewed Nov. 9, 1940.
Clothing, Leather and canvas. Dunlap, Lawton & Hall. 18,135; re-renewed July 15, 1940.
Clothing, Women's and girls'. West Coast Manchester Mills, Inc. 378,894; June 25; Serial No. 421,914; published Apr. 9, 1940.
Clothing, Work. W. M. Finck and Company. 135,992; renewed Oct. 26, 1940.
Coats, suits, dresses, etc. Bloomingdale Bros., Inc. 378,903; June 25; Serial No. 424,637; published Apr. 9, 1940.
Coats, suits, outer skirts, etc. New Jaunty Sportswear, Inc. 378,926; June 25; Serial No. 426,864; published Apr. 2, 1940.
Collars. H. Cotler. 379,060; June 25.
Corsets, brassières, girdles, etc. De Cody-Idalia Corporation. 378,942; June 25; Serial No. 427,702; published Apr. 9, 1940.
Corsets, girdles, brassières, etc. Dominion Corset Company. 378,936; June 25; Serial No. 427,461; published Apr. 9, 1940.
Dresses. Scharf-Brenner Manufacturing Company. 379,052; June 25.
Garters. Thos. P. Taylor Company. 135,541; renewed Oct. 12, 1940.
Girdles, panties, corsets, etc. Wolfe & Lang, Inc. 379,032; June 25; Serial No. 429,020; published Apr. 9, 1940.
Gloves. Superb Glove Co. 379,031; June 25; Serial No. 429,013; published Apr. 9, 1940.
Gloves, Rubber household. Armstrong Cork Company. 379,004; June 25; Serial No. 428,531; published Apr. 2, 1940.
Gloves, sweaters, underwear, etc. I. Simon & Sons, Inc. 378,909; June 25; Serial No. 425,165; published Apr. 16, 1940.

Gloves, Women's. Frederick Loeser & Co. 378,988; June 25; Serial No. 428,316; published Apr. 2, 1940.
Gloves, Work. Wells-Lamond-Smith Corporation. 379,012; June 25; Serial No. 428,714; published Apr. 9, 1940.
Gloves, Work. Wells-Lamont-Smith Corporation. 379,029; June 25; Serial No. 428,943; published Apr. 9, 1940.
Hats. Adam Hat Stores, Inc. 379,047; June 25.
Hats and caps. Pittsburgh Hat and Cap Company. 379,058; June 25.
Hats for women. Associated Retail Millinery. 378,902; June 25; Serial No. 424,334; published Apr. 16, 1940.
Hats, Men's. Men's Hats, Inc. 379,002; June 25; Serial No. 428,515; published Apr. 9, 1940.
Hats, Straw and felt sport. William Beatus, Inc. 379,018; June 25; Serial No. 428,793; published Apr. 16, 1940.
Hosiery and knitted and textile underwear. Vanity Fair Silk Mills. 378,880; June 25; Serial No. 408,672; published Aug. 29, 1939.
Hosiery, sweaters, hoods, etc. Northern Jobbing Company. 378,875; June 25; Serial No. 382,275; published Dec. 8, 1936.
Hosiery, underwear, nightgowns, etc. Clear Weave Hosiery Stores, Inc. 378,907; June 25; Serial No. 424,955; published Apr. 16, 1940.
Lingerie. Sussberg & Feinberg, Inc. 378,883; June 25; Serial No. 413,805; published Apr. 16, 1940.
Mufflers, Men's. Wilson Brothers. 379,001; June 25; Serial No. 428,511; published Apr. 9, 1940.
Muffs, caps, hats, etc. E. Albrecht & Son Co. 379,009; June 25; Serial No. 428,601; published Apr. 9, 1940.
Neckties. Franc, Strohmenger & Cowan, Inc. 378,990; June 25; Serial No. 428,385; published Apr. 2, 1940.
Neckties, mufflers, Men's outer shirts, etc. M. Goldenberg & Sons, Inc. 378,930; June 25; Serial No. 427,022; published Apr. 9, 1940.
Nets, Hair. G. H. S. Corporation. 379,067; June 25.
Overshoes, Rubber. W. T. Grant Company. 379,033; June 25; Serial No. 429,046; published Apr. 16, 1940.
Robes, beach pajamas, raincoats, etc., Beach. H. H. Mishel. 378,886; June 25; Serial No. 415,848; published Apr. 16, 1940.
Shirts, skirts, blouses, etc. F. & M. Skirt Co. 379,053; June 25.
Shoes. Gale Shoe Mfg. Co. 378,991; June 25; Serial No. 428,388; published Apr. 16, 1940.
Shoes. Health Shoe Shop of Boston, Inc. 379,050; June 25.
Shoes. May Department Stores Company. 379,045; June 25.
Shoes. Modern Shoe Company. 379,066; June 25.
Shoes. Musebeck Shoe Company. 379,051; June 25.
Shoes and slippers. Pli-Mode Shoe Company. 378,947; June 25; Serial No. 427,772; published Apr. 9, 1940.
Shoes, hats, gloves, etc. J. C. Penney Company. 378,946; June 25; Serial No. 427,771; published Apr. 2, 1940.
Slippers, play shoes, and sandals, Women's. Middletown Footwear Inc. 379,008; June 25; Serial No. 428,582; published April 2, 1940.
Suits and coats. A. De Pinna Co. 379,062; June 25.
Suits, coats, overcoats, etc. Hart, Schaffner & Marx. 379,049; June 25.
Sweaters, bathing suits, and swimming trunks. I. Sherry Company. 378,890; June 25; Serial No. 420,115; published Sept. 26, 1939.
Trousers, knickerbockers, breeches. I. Lyons. 379,061; June 25.
Visors. D. Blodjer. 378,931; June 25; Serial No. 472,189; published Apr. 16, 1940.

CLASS 40

Art needlework foundation material. Bernard Ulmann Co. Inc. 379,039; June 25; Serial No. 429,147; published Apr. 16, 1940.
Braids used in the manufacture of hat bodies, Synthetic straw. Georges Meyer & Co., Ltd. 378,939; June 25; Serial No. 427,637; published Apr. 16, 1940.
Combs and shoe laces. M. O. Bock. 379,065; June 25.
Curlers, Hair. Inlaid Optical Corporation. 379,000; June 25; Serial No. 428,485; published Apr. 16, 1940.
Goods, furnishings and notions, Fancy. Waldes & Co. 136,246; renewed Oct. 26, 1940.
Hair pins and hair curlers. Woodford Products Company. 379,013; June 25; Serial No. 428,716; published Apr. 16, 1940.
Lacings, Shoe. Shoe Lace Company. 379,015–16; June 25; Serial Nos. 428,771–2; published Apr. 16, 1940.
Needles, Hand sewing. Irvine & Cottom. 379,069; June 25.

CLASS 42

Cotton piece goods. Albert H. Vandam Co. 379,017; June 25; Serial No. 428,775; published Apr. 16, 1940.
Curtains and draperies, Household. Max H. Kahn Curtain Corporation. 378,973; June 25; Serial No. 428,160; published Apr. 16, 1940.
Quilts. National Sure-Fit Quilting Co. 378,921; June 25; Serial No. 426,663; published Apr. 16, 1940.
Quilts. National Sure-Fit Quilting Co. 378,922–4; June 25; Serial Nos. 426,666–8; published Apr. 16, 1940.
Satins in the piece. Tioga Silk Company. 378,882; June 25; Serial No. 413,525; published Apr. 16, 1940.
Textile interlining material in the piece. Foundation Worsted Mills. 378,908; June 25; Serial No. 425,000; published Apr. 16, 1940.

CLASS 43

Cotton and mending thread, Darning. Collingbourne Mills, Inc. 378,996; June 25; Serial No. 428,463; published Apr. 16, 1940.
Yarn, Cotton. Collingbourne Mills, Inc. 378,997; June 25; Serial No. 428,464; published Apr. 16, 1940.
Yarns, wool yarn and wool worsted yarn. Badger Worsted Mills. 378,989; June 25; Serial No. 428,377; published Apr. 9, 1940.

CLASS 44

Appliance used for cleansing the tongue. A. J. Fortunati. 378,904; June 25; Serial No. 424,685; published Apr. 16, 1940.
Blood transfusion sets. Hospital Liquids, Inc. 379,042; June 25; Serial No. 429,265; published Apr. 16, 1940.
Dental plates and dental instruments. J. G. Varley. 378,935; June 25; Serial No. 427,448; published Apr. 16, 1940.
Dental supplies. Universal Dental Company. 379,041; June 25; Serial No. 429,236; published Apr. 16, 1940.
First aid supplies. National Hospital Association. 378,879; June 25; Serial No. 406,146; published Apr. 16, 1940.
Tongue depressors, Illuminating. Hichell Co. 379,040; June 25; Serial No. 429,176; published Apr. 16, 1940.

CLASS 45

Beverages, Maltless. C. L. Grigg. 136,021; renewed Oct. 26, 1940.
Flavoring material. United Citrus Products, Inc. 378,899; June 25; Serial No. 423,581; published Apr. 16, 1940.

CLASS 46

Avocados, Fresh. L. B. Vermillion. 378,959; June 25; Serial No. 428,007; published Apr. 16, 1940.
Bakery products. National Biscuit Company. 378,877; June 25; Serial No. 396,997; published Apr. 2, 1940.
Cakes. Ward Baking Company. 136,979; renewed Nov. 9, 1940.
Candies and chocolates. Mason, Au & Magenheimer Confectionery Manufacturing Company. 134,413; renewed Aug. 31, 1940.
Candy. Powell's. 135,775; renewed Oct. 19, 1940.
Canned tomato paste. Flotill Products, Incorporated. 378,918; June 25; Serial No. 426,160; published Apr. 16, 1940.
Cocoa, Sweet milk. Gantis Food Products Corp. 378,889; June 25; Serial No. 419,966; published Aug. 29, 1939.
Coffee. L. H. Davis. 132,926; renewed July 6, 1940.
Cornstarch, Packaged. Boyd Tea Company. 378,917; June 25; Serial No. 426,150; published Apr. 16, 1940.
Flour, Wheat. Distributors Trucking Corporation. 378,933; June 25; Serial No. 427,357; published Apr. 16, 1940.
Flour, Wheat. Standard Milling Company. 378,960; June 25; Serial No. 428,058; published Apr. 16, 1940.
Food, Cat and dog. Poultry Food Products, Inc. 379,063; June 25.
Food products, Prepared. Riviera Packing Company. 378,928; June 25; Serial No. 426,899; published Apr. 9, 1940.
Foods and a specially prepared malted cereal food, Infants'. Nestle's Milk Products, Inc. 378,925; June 25; Serial No. 426,780; published Apr. 16, 1940.
Foods, Breakfast. V. D. Lersch. 134,251; renewed Aug. 24, 1940.
Fruits and vegetables, Fresh deciduous. D. R. Hogue. 378,927; June 25; Serial No. 426,886; published Apr. 16, 1940.
Fruits, Fresh citrus. M. C. Britt Produce Co. 378,910; June 25; Serial No. 425,979; published Apr. 16, 1940.
Fruits, Fresh citrus. Champion Orange Company. 378,993; June 25; Serial No. 428,429; published Apr. 16, 1940.
Oil, Salad. Gigli Packing Corp. 378,999; June 25; Serial No. 428,476; published Apr. 16, 1940.
Oyster juice. F. F. East Co. Inc. 379,010; June 25; Serial No. 428,612; published Apr. 16, 1940.
Oysters, Fresh shucked. F. F. East Co. Inc. 378,978; June 25; Serial No. 428, 353; published Apr. 16, 1940.
Peanuts. Tasty-Krisp Products, Inc. 379,011; June 25; Serial No. 428,709; published Apr. 16, 1940.
Rice, Processed. K. Powers. 378,953; June 25; Serial No. 427,906; published Apr. 16, 1940.
Sausage. Oscar Mayer & Co. 378,898; June 25; Serial No. 423,223; published Apr. 16, 1940.
Syrups. J. Stromeyer. 136,205; renewed Oct. 26, 1940.
Vegetables, Fresh. San Diego Fruit & Produce Company. 378,919; June 25; Serial No. 426,306; published Apr. 16, 1940.

CLASS 47

Wine. O-Neh-Da Vineyard and Distillery, Inc. 378,932; June 25; Serial No. 427,256; published Apr. 16, 1940.

Wines. Bisceglia Brothers Corp. 379,007; June 25; Serial No. 428,565; published Apr. 16, 1940.

CLASS 48

Beer. Minneapolis Brewing Company. 379,035–7; June 25; Serial Nos. 429,063–5; published Apr. 16, 1940.
Beer. Monarch Brewing Company. 378,887; June 25; Serial No. 417,294; published Oct. 3, 1939.

CLASS 50

Closures for containers. Aridor Company. 378,995; June 25; Serial No. 428,457; published Apr. 16, 1940.
Mat, Acetate surfaced. Arthur Brown & Bro. 379,055; June 25.
Pyroxylin or otherwise coated fabrics. Atlas Powder Company. 378,992; June 25; Serial No. 428,417; published Apr. 16, 1940.

LIST OF LABELS

A
Atta, Atta Foot, Athlete's Foot Formula. For Antiseptic
A
Inner Soles for Shoes and Other Footwear. R. A. Meyer. 55,033; June 25.
Baltimore Belle. For Blended Whiskey. Continental Distilling Corporation. 55,010; June 25.
Big Joe. For Root Beer. Bloomfield Hills Beverage Company. 55,007; June 25.
Biliposol. For a Lipoid-Soluble Basic Bismuth for Intramuscular Injection in the Treatment of all Stages of Syphilis. Ulmer Laboratories. 55,052–3; June 25.
Bradmaster by Markwell. For Brad Driving Tools. Markwell Mfg. Co. 55,025; June 25.
Captain Kidd. For Rum. Continental Distilling Corporation. 55,011; June 25.
Clipper Rum. For Rum. Continental Distilling Corporation. 55,012; June 25.
Continuous Roll Heavy Kitchenette Waxed Paper. For Waxed Paper. Zellerbach Paper Company. 55,062; June 25.
Dehns Ice Cream. For Ice Cream. Menasha Products Company. 55,032; June 25.
Don Juan. For Pure California Alicante Wine. Joseph H. Reinfeld, Inc. 55,042; June 25.
Early American Sewing Bee. For Toiletries. Shulton, Inc. 55,049; June 25.
Eighty Kitchenette Embossed Napkins. For Embossed Napkins. Zellerbach Paper Company. 55,057; June 25.
Embassy. For Rum. Continental Distilling Corporation. 55,013; June 25.
Eucalyptus Sticks. For Incense. E. Frantz. 55,019; June 25.
Fine-Grain Panchromatic Recordak Safety Film. For Panchromatic Safety Film. Recordak Corporation. 55,041; June 25.
Floodwood Butter. For Butter. Menasha Products Company. 55,028; June 25.
Freshust Coffee. For Coffee. Fresh-Omatic Coffee Roasting System. 55,020; June 25.
Fudg-In. For a Powder for Making a Chocolate Flavored Fudge Ice Cream. Ambrosia Chocolate Company. 55,002; June 25.
Georgia Pickled Peaches, Pine Mountain Brand. For Pickled Peaches. Georgia Pickled Peach Company. 55,021; June 25.
Golden Glow. For a Salad Spread. Vita Foods. 55,054; June 25.
Golden Glow. For Coffee. Standard Brands Incorporated. 55,050; June 25.
Health Tone. For a Laxative. W. R. Offutt. 55,039; June 25.
Imperial Banquet. For Pure California Barbera Wine. Joseph H. Reinfeld, Inc. 55,043; June 25.
Jack the Ripper. For a Seam Ripper. M. J. Bacon. 55,004; June 25.
Key Largo. For Rum. Continental Distilling Corporation. 55,014; June 25.
King Cotton Cord Coil. For Braided Cord in Colors for Venetian Blinds and Decorative use. John H. Graham & Co. 55,022; June 25.
King of Lace. For Blouses and Lingerie. Louis Schulman Co. Inc. 55,045; June 25.
Kitchenette De Luxe Drawer Lining and Shelf Paper. For Drawer Lining and Shelf Paper. Zellerbach Paper Company. 55,059; June 25.
Kleenex. For Tissues. International Cellucotton Products Company. 55,024; June 25.
Koke Up. For a Carbonated Beverage. J. R. Busch. 55,009; June 25.
La Conga. For Rum. Continental Distilling Corporation. 55,015; June 25.
McCutcheon's Blue Label Pillow-Case. For Pillow Cases. James McCutcheon & Company. 55,026; June 25.
McCutcheon's Blue Label Sheet. For Sheets. James McCutcheon & Company. 55,027; June 25.
Menasha Brand Butter. For Butter. Menasha Products Company. 55,029; June 25.
Menasha Ice Cream. For Ice Cream. Menasha Products Company. 55,030–1; June 25.
"Michigan" Do-Nuts. For Doughnuts. Michigan Bakeries, Inc. 55,034; June 25.
Mrs. Stewart's Concentrated Liquid Bluing. For Concentrated Liquid Bluing. Luther Ford & Co. 55,018; June 25.
O-Cedar Car-Glos. For a Polish and Cleaner. O-Cedar Corp'n. 55,037; June 25.
O-Cedar Moth-Away Cone. For Refill Fluid Containing Effective Moth-Killing Agents Prepared for Use with Cone-Shaped Containers. O-Cedar Corp'n. 55,038; June 25.
150 Household Kitchenette Roll Towels. For Household Towels. Zellerbach Paper Company. 55,060; June 25.
One Kitchenette Table Cover. For Table Covers. Zellerbach Paper Company. 55,056; June 25.
Orchid. For Kentucky Straight Bourbon Whiskey. H. H. Zimmerman. 55,063; June 25.
Plantation De Luxe Rum. For Rum. Continental Distilling Corporation. 55,016; June 25.
Quality Skating Outfit. For Cartons. Bird & Son, Inc. 55,006; June 25.
Ribbon Fudge. For a Powder for Making Chocolate Flavored Fudge Ice Cream. Ambrosia Chocolate Company. 55,003; June 25.
Royal Bond. For Diced Carrots. J. Bond & Company. 55,008; June 25.
Shurfine. For Salad Dressing. National Retailer-Owned Grocers, Inc. 55,035; June 25.
6 Kitchenette Salt & Pepper Shakers. For Salt and Pepper Shakers. Zellerbach Paper Company. 55,061; June 25.
Snack-Sacks. For Bags. Thomas M. Royal & Co. 55,044; June 25.
Soclene. For a Cleanser. L. B. Adams & Co. 55,001; June 25.
Sun-Food. For a Canned Concentrated Vegetable Compound. Pacific Sun Foods Company. 55,040; June 25.
Swagger. For Sportswear. Louis Schulman Co. Inc. 55,046; June 25.
Tatol. For a Traffic Line Lacquer Thinner. H. Beresford. 55,005; June 25.
Thirty Kitchenette Cocktail Napkins. For Cocktail Napkins. Zellerbach Paper Company. 55,058; June 25.
This Garment is an Original Gilkraft Model. For Garments. Grieff & Lutzker. 55,023; June 25.
Tom Sawyer Slate Outfit. For Slate Outfits, Comprising a Slate, Eraser, Stencils and White and Colored Chalks. Standard Toykraft Products, Inc. 55,051; June 25.
Tommy Tucker. For Boys' Shirts. Louis Schulman Co. Inc. 55,047; June 25.
Vita-Food. For Jellies. Vita Foods. 55,055; June 25.
Way-to-Win. For Pastry Flour. National Retailer-Owned Grocers, Inc. 55,036; June 25.
Worth Crowing For. For Candy. Louis Schulman Co. Inc. 55,048; June 25.
Yankee Rum. For Rum. Continental Distilling Corporation. 55,017; June 25.

LIST OF PRINTS

A Tasty Drink for Thristy Throats. For a Drink. World Bottling Co. 18,082; June 25.
Blizzard—Made and Served in Lily-Tulip Cups—For 100% Sanitation . . . the Drink You Can't Forget. For a Drink and Paper Cups. Lily-Tulip Cup Corporation. 18,072; June 25.
Blizzard—The Drink You Can't Forget—Made and Served in Lily-Tulip Cups—For 100% Sanitation. For a Drink and Paper Cups. Lily-Tulip Cup Corporation. 18,071; June 25.
Char-Kole Hamburger. For Hamburgers. C. Gerosa. 18,057; June 25.
Early American Old Spice Home Decoration. For Embroidery Transfer Patterns. Shulton, Inc. 18,077; June 25.
Ezap. For an Antiseptic Scalp Lotion. Dandro-Nox Co. 18,053; June 25.
Guaranteed Fully Charged! For Storage Batteries. Willard Storage Battery Company. 18,081; June 25.
Hy-Gro, for all Plants. For a Plant Growth Accelerator. Water Culture Foundation. 18,079; June 25.
Is Your Magneto Costing You Money? For Magnetos. American Bosch Corporation. 18,052; June 25.
It's Magnetic—Markwell Bradmaster. For Brad Driving Tools. Markwell Mfg. Co. 18,073; June 25.

Kool-Aid. For Bubble Gum. Perkins Products Company. 18,075; June 25.
"Now That's What I Call Good Coffee" (HB12–A). For Coffee. Hills Bros. Coffee, Inc. 18,058; June 25.
"Now That's What I Call Good Coffee" (No. HB–1). For Coffee. Hills Bros. Coffee, Inc. 18,059; June 25.
"Now That's What I Call Good Coffee" (No. HB–4A). For Coffee. Hills Bros. Coffee, Inc. 18,060; June 25.
"Now That's What I Call Good Coffee" (No. HB–5). For Coffee. Hills Bros. Coffee, Inc. 18,061; June 25.
" Now That's What I Call Good Coffee" (HB 13). For Coffee. Hills Bros. Coffee, Inc. 18,062; June 25.
"Now That's What I Call Good Coffee" (No. HB–2–A). For Coffee. Hills Bros. Coffee, Inc. 18,063; June 25.
"Now That's What I Call Good Coffee" (No. HB–3). For Coffee. Hills Bros. Coffe, Inc. 18,064; June 25.
"Now That's What I Call Good Coffee" (HB7) For Coffee. Hills Bros. Coffee, Inc. 18,065; June 25.
"Now That's What I Call Good Coffee" (HB–6A). For Coffee. Hills Bros. Coffee, Inc. 18,066; June 25.
"Now That's What I Call Good Coffee" (HB8–A). For Coffee. Hills Bros. Coffee, Inc. 18,067; June 25.
"Now That's What I Call Good Coffee (HB11). For Coffee. Hills Bros. Coffee, Inc. 18,068; June 25.
"Now That's What I Call Good Coffee". (HB10–A). For Coffee. Hills Bros. Coffee, Inc. 18,069; June 25.
"Now That's What I Call Good Coffee" (HB9). For Coffee. Hills Bros. Coffee, Inc. 18,070; June 25.
Otitis from Adenoids and Tonsils. For a Medicament used in the Treatment of Otitis Resulting from Hypertrophy and Infection of the Adenoid and Tonsils. Doho Chemical Corporation. 18,054; June 25.
Pediatric Symptoms of Otitis Media. For a Medication for Ear Complications. Doho Chemical Corporation. 18,056; June 25.
Quick-Mix Vitamin B1. For a Mix of Vitamin B1 with Plant Hormones Stabilized for Initiating and Reinvigorating Root Growth in Plants, Flowers, Trees and Shrubs. Water Culture Foundation. 18,080; June 25.
Senior Class Presidents, Coast-to-Coast, Announce 'We Want Parker'. For Pens, Pencils and Ink. Parker Pen Company. 18,074; June 25.
Tastykake. For Cake. Tasty Baking Company. 18,078; June 25.
The Pathology of Otitis Media. For a Medicament for the Relief of Edema and Congestion in the Ear. Doho Chemical Corporation. 18,055; June 25.
Your Daily Bread. For Bread. William A. Schautz, Inc. 18,076; June 25.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Folding Umbrella Corporation. (See Okun, Edward, assignor.)
General Motors Corporation. (See Short, Charles R., assignor.)
Grosse, Aristid V., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. Re. 21,486; June 25.
Harnsberger, Audley E., Winnetka, assignor to The Pure Oil Company, Chicago, Ill. Treating an oil gas. Re. 21,487; June 25.
Haupt, William E., Eddystone, Pa., assignor to The Lionel Corporation, New York, N. Y. Toy railway switch throwing mechanism. Re. 21,488; June 25.
Jaros, Lawrence. (See Stuckenholt, C. S., and Jaros.)
Kleineberg, Paul E., P. Schweizer, and A. W. Wilks, Easton, Pa., assignors to T. W. & C. B. Sheridan Company, New York, N. Y. Sheet or signature feeding and gathering. Re. 21,489; June 25.
Lionel Corporation, The. (See Haupt, William E., assignor.)
Lobdell, Edward J. Jr., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich. Fabricating rims. Re. 21,490; June 25.
Lobdell-Emery Manufacturing Company, The. (See Lobdell, Edward J., Jr., assignor.)
McCollum, Henry J. D. and J. H. K., Long Branch, N. J. Vacuum power clutch. Re. 21,491; June 25.
McCollum, James H. K. (See McCollum, Henry J. D. and J. H. K.)
Nangle, John J. (See Wadsworth, D. V., and Wickenden, assignors.)
Okun, Edward, assignor to American Folding Umbrella Corporation, New York, N. Y. Folding umbrella. Re. 21,492; June 25.
Pfeiffer, Jacob F., Zurich, Switzerland, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau, near Chemnitz, Germany. Typewriting machines. Re. 21,493; June 25.
Pure Oil Company, The. (See Harnsberger, Audley E., assignor.)
Schlacht, Herman, Woodhaven, L. I., N. Y. World clock. Re. 21,494; June 25.
Schoenberger, W. J., Company, The. (See Stuckenholt, C. S., and Jaros, assignors.)
Schweizer, Paul. (See Kleineberg, P. E., Schweizer, and Wilks.)
Sheridan, T. W. & C. B., Company. (See Kleineberg, P. E., Schweizer, and Wilks, assignors.)
Short, Charles R., Clermont, Fla., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing. Re. 21,495; June 25.
Stuckenholt, Casper S., and L. Jaros, assignors to The W. J. Schoenberger Company, Cleveland, Ohio. Lighting device for gas burners. Re. 21,496; June 25.
Trombetta, Panfilo, Milwaukee, Wis. Electromagnetic brake. Re. 21,497; June 25.
Universal Oil Products Company. (See Grosse, Aristid V., assignor.)
Wadsworth, Daniel V. and L. Wickenden, Manhasset, N. Y., assignors to J. J. Nangle, Greenwich, Conn. Treating sugar melts. Re. 21,498; June 25.
Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges. (See Pfeiffer, Jacob F., assignor.)
Wickenden, Leonard. (See Wadsworth, D. V., and Wickenden.)
Wilks, Andrew W. (See Kleineberg, P. E., Schweizer, and Wilks.)

LIST OF PLANT PATENTEES

Coddington, L. B., Co. (See Coddington, Lyman B., assignor.)
Coddington, Lyman B., assignor to L. B. Coddington Co., Murray Hill, N. J. Rose plant. 405; June 25.
Traver, Harold E., Woodbury, Conn. Begonia. 406; June 25.

LIST OF DESIGN PATENTEES

American Can Company. (See Worthington, Everett, assignor.)
American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Locomotive Company. (See Kuhler, Otto, assignor.)
Ancell, Samuel, New York, N. Y. Dress. 121,241; June 25.
Anderson, George W., Akron, Ohio. Tire. 121,176; June 25.
Andres, Lloyd J., Chicago, Ill. Combined remote controller and loudspeaker casing. 121,177; June 25.
Andres, Lloyd J., Chicago, Ill. Combined remote controller and loud-speaker casing. 121,178; June 25.
Andres, Lloyd J., Chicago, Ill. Combined remote controller and loud-speaker casing. 121,179; June 25.
Andres, Lloyd J., Chicago, Ill. Combined remote controller and loud-speaker casing. 121,180; June 25.
Ashton, Pearl F., assignor to E. E. Weller, Providence, R. I. Shoe ornament. 121,152; June 25.
Bain, Rufus G., Sulphur, Okla. Reminder chart. 121,153; June 25.
Battellini, Earnest, Landisville, N. J. Single delivery container for matches and other articles. 121,226; June 25.
Benjamin, Harry S., Poughkeepsie, N. Y. Vending machine. 121,181; June 25.
Berk, Harry S., Brooklyn, assignor to National Silver Company, New York, N. Y. Container for cigarettes or the like. 121,182; June 25.
Bernhardt, Rudolph, Chicago, Ill. Container server top or similar article. 121,154; June 25.
Bosworth, Thomas E., Cranston, R. I., assignor to Universal Optical Company, Inc. Combination temple and end piece. 121,242; June 25.
Brownscombe, Philip J., East Orange, N. J., and C. Kertesz, Long Island City, assignors to Universal Camera Corporation, New York, N. Y. Photographic exposure meter or similar article. 121,155; June 25.
Brunswick-Balke-Collender Company, The. (See Henkel, A. L., and Ewing, assignors.)
Byrnes, Phyllis, New York, N. Y. Dress. 121,243; June 25.
Catskill Metal Works, Inc. (See Seaman, Gilbert M., assignor.)
Chernow, Michael, New York, N. Y. Alphabet for forming monograms or similar articles. 121,183; June 25.
Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)
Cohn & Rosenberger, Inc. (See Katz, Adolph, assignor.)
Coldwell, John S., Milwaukee, Wis., and W. F. Nessen, Oak Park, Ill., assignors to Globe-Union Inc., Milwaukee, Wis. Roller skate. 121,184; June 25.
Comfy Manufacturing Co., The. (See Shepian, Herman B., assignor.)
Cutler, Elizabeth, New York, N. Y. Dress ensemble. 121,227; June 25.
Cutler, Herman Z., Camden, N. J. Automotive vehicle. 121,185; June 25.
Dannecker, Rudolph, Beacon, N. Y. Lace. 121,186; June 25.
Darrow, Isobel, assignor to Pacific Clay Products, Los Angeles, Calif. Cup or similar article. 121,156; June 25.
Dean, Arthur F., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricant dispensing apparatus. 121,187; June 25.
Earl, Paul D., New York, N. Y. Slipper or similar article. 121,157; June 25.
Earl, Paul D., New York, N. Y. Slipper or similar article. 121,158; June 25.
Eaton Manufacturing Company. (See Lippitt, George R., assignor.)
Egerer, Egmont A., Great Neck, N. Y. Convertible handbag. 121,159; June 25.
Elite Glass Co. Inc. (See Levin, Irving, assignor.)
Ewing, Burke M. (See Henkel, A. L., and Ewing.)

Farinacci, Faust, St. Albans, N. Y. Lamp shade. 121,188; June 25.
Fischer, Max, Great Neck, N. Y. Propeller. 121,201; June 25.
Ford, George E., assignor to Rochester Manufacturing Co., Inc., Rochester, N. Y. Indicator dial casing or similar article. 121,180; June 25.
Garry, Otto S., New York, N. Y. Sachet bag or similar article. 121,228; June 25.
Gentile, Robert S., New York, N. Y., assignor to Tabin-Picker & Company, Chicago, Ill. Textile fabric. 121,229; June 25.
Globe-Union Inc. (See Coldwell, J. S., and Nessen, assignors.)
Go-Gay Products Corp. (See Wise, Lawrence, assignor.)
Goodstein, Lawrence, New York, N. Y. Comfortable. 121,230; June 25.
Goodstein, Lawrence, New York, N. Y. Comfortable. 121,231; June 25.
Gorham Manufacturing Company. (See Price, James R., assignor.)
Hait, Howard H. (See Sandin, H. J., and Hait.)
Harris, Herbert H., New York, N. Y. Container for toilet articles. 121,190; June 25.
Helander, Lillian V. M., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 121,160; June 25.
Hemphill, Edward C. and E. M., San Francisco, Calif. Head warmer. 121,232; June 25.
Hemphill, Elsie M. (See Hemphill, Edward C. and E. M.)
Henkel, Andrew L., and B. M. Ewing, assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Table and seat unit. 121,244; June 25.
Hickok Manufacturing Company. (See Mix, E. S., and Vaisey, assignors.)
Holish, Stephen P., Chicago, Ill. Electric light fixture. 121,161; June 25.
Hollengreen, Milburn A., and R. E. Price, assignors to Landis Tool Company, Waynesboro, Pa. Grinding machine. 121,245; June 25.
Hollengreen, Milburn A., and R. E. Price, assignors to Landis Tool Company, Waynesboro, Pa. Footstock for machine tools. 121,246; June 25.
Horckitz, Inglish, St. Louis, Mo. Filter unit. 121,162; June 25.
Horton, George T., Chicago, Ill. Elevated tank. 121,202; June 25.
Horton, George T., Chicago, Ill. Elevated tank. 121,203; June 25.
Horton, George T., Chicago, Ill. Elevated tank. 121,204; June 25.
Horton, George T., Chicago, Ill. Elevated tank. 121,205; June 25.
Hostetter, Lenus J., Oakland, Calif. Handkerchief slide. 121,206; June 25.
Inquisitore, John, New York, N. Y. Medal. 121,216; June 25.
International Silver Company. (See Helander, Lillian V. M., assignor.)
Joyce, Isabelle Z., assignor to Spaulding-Gorham, Inc., Chicago, Ill. Clip or similar article of jewelry. 121,207; June 25.
Jung, Albert H., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 121,217; June 25.
Jung, Albert H., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 121,218; June 25.
Kasper, Moe J., New York, N. Y. Sweater. 121,233; June 25.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Bracelet or similar article. 121,208; June 25.
Katz, Adolph, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch or similar article. 121,209; June 25.
Kertesz, Carl. (See Brownscombe, P. J., and Kertesz.)
Kuhler, Otto, Orangeburg, assignor to American Locomotive Company, New York, N. Y. Locomotive body. 121,219; June 25.
Kuhn, Frank, Grosse Pointe Farms, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Laundry iron. 121,163; June 25.
Kuhn, Frank, Grosse Pointe Farms, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Handle for laundry iron or the like. 121,164; June 25.
Lambdin, Winfred, assignor to Universal Dental Company, Philadelphia, Pa. Color guide unit for artificial teeth. 121,210; June 25.
Landis Tool Company. (See Hollengreen, M. A., and Price, assignors.)
Landorf, Sam, New York, N. Y. Panty dress. 121,234; June 25.
Landorf, Sam, New York, N. Y. Panty dress. 121,235; June 25.
Landorf, Sam, New York, N. Y. Panty dress. 121,247; June 25.
Lentheric Incorporated. (See McIntosh, Frank, assignor.)
Levin, David, New York, N. Y. Shoe. 121,165; June 25.
Levin, David, New York, N. Y. Shoe. 121,166; June 25.
Levin, David, New York, N. Y. Shoe. 121,167; June 25.
Levin, Irving, assignor to Elite Glass Co. Inc., New York, N. Y. Prismatic pendant. 121,211; June 25.
Lippitt, George R., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Vehicle heater. 121,236; June 25.
Lobdell, Benjamin N., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich. Bicycle saddle. 121,168; June 25.
Lobdell-Emery Manufacturing Company, The. (See Lobdell, Benjamin N., assignor.)
Loewy, Raymond, assignor to Parfums Schiaparelli, Inc., New York, N. Y. Bottle. 121,191; June 25.
Mackey, Elmer W., Kirkland, Wash. Radiator ornament or the like. 121,220; June 25.
Maitland, Walter O., San Francisco, Calif. Dentist's anvil. 121,221; June 25.
Mall, Arthur W., Flossmoor, Ill. Concrete vibrator or the like. 121,248; June 25.
McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Lipstick case. 121,249; June 25.
McKnight, Henry G., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jug. 121,192; June 25.
Mix, Edwin S., and H. C. Vaisey, assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y. Initial key chain or the like. 121,212; June 25.
National Silver Company. (See Berk, Harry S., assignor.)
Nessen, Walter F. (See Coldwell, J. S., and Nessen.)
Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe heel. 121,193; June 25.
Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe heel. 121,194; June 25.
Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe heel. 121,195; June 25.
Owens-Illinois Glass Company. (See McKnight, Henry G., assignor.)
Pacific Clay Products. (See Darrow, Isobel, assignor.)
Parfums Schiaparelli, Inc. (See Loewy, Raymond, assignor.)
Parke, Davis & Company. (See Schutz, Thomas A., assignor.)
Payne, John N., Pembroke, Ky. Broom holder or similar article. 121,250; June 25.
Philippe, Alfred, New York, N. Y. Pin clip. 121,222; June 25.
Philippe, Alfred, New York, N. Y. Necklace. 121,223; June 25.
Philippe, Alfred, New York, N. Y. Necklace. 121,224; June 25.
Philippe, Alfred, New York, N. Y. Pin clip. 121,251; June 25.
Philippe, Alfred, New York, N. Y. Pin clip. 121,252; June 25.
Philippe, Alfred, New York, N. Y. Pin clip. 121,253; June 25.
Philippe, Alfred, New York, N. Y. Pin clip. 121,254; June 25.
Philippe, Alfred, New York, N. Y. Pin clip. 121,255; June 25.
Phillips, Dorothy B. (See Stephenson, Lou R., assignor.)
Pichel, Inc. (See Pichel, Irving, assignor.)
Pichel, Irving, assignor to Pichel, Inc., New York, N. Y. Handbag. 121,256; June 25.
Pierce, Percy, Llanerch, Pa. Carton. 121,196; June 25.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Bread toaster. 121,169; June 25.
Price, James R., Cranston, assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or other article of flatware. 121,170; June 25.
Price, Ralph E. (See Hollengreen, M. A., and Price.)
Ramey, Victor, Joplin, Mo. Mortise butt hinge. 121,197; June 25.
Revitz, Moris, New York, N. Y. Coat. 121,237; June 25.
Rochester Manufacturing Co. (See Ford, George E., assignor.)
Rolph, Samuel W., Shaker Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery cover. 121,225; June 25.
Rost, Katheryn, New York, N. Y. Dress. 121,257; June 25.
Rost, Katheryn, New York, N. Y. Dress. 121,258; June 25.
Rudolph, Maxwell A., Philadelphia, Pa. Dress. 121,259; June 25.
Sandin, Herberg J., and H. H. Hait, McKeesport, Pa. Building. 121,213; June 25.
Saunders, Albert, Barbourville, Ky. Boat. 121,214; June 25.
Schepp, William J., Ridgewood, N. J. Cleansing-film dispenser or similar article. 121,171; June 25.
Schutz, Thomas A., Chicago, Ill., assignor to Parke, Davis & Company, Detroit, Mich. Counter display case. 121,172; June 25.
Scolaro, Samuel, Auburn, N. Y. Reversible lamp. 121,173; June 25.
Seaman, Gilbert M., assignor to Catskill Metal Works, Inc., Catskill, N. Y. Hopper mechanism housing for stokers. 121,174; June 25.

Sheplan, Herman B., assignor to The Comfy Manufacturing Co., Baltimore, Md. Knitted fabric or similar article of manufacture. 121,198; June 25.
Siegel, Sydelle, New York, N. Y. Dress. 121,260; June 25.
Sigoda, Victor J., Brooklyn, N. Y. Ruffling attachment housing for sewing machines. 121,238; June 25.
Silson, Victor, New York, N. Y. Pendant or similar article. 121,261; June 25.
Silson, Victor, New York, N. Y. Pendant or similar article. 121,262; June 25.
Solomon, Mortimer, Brooklyn, N. Y. Bathing suit. 121,239; June 25.
Spaulding-Gorham, Inc. (See Joyce, Isabelle Z., assignor.)
Stensgaard, W. L., & Associates, Inc. (See Williams, Findley, assignor.)
Stephenson, Lou R., assignor of one-half to D. B. Phillips, Rochester, N. Y. Mitten. 121,240; June 25.
Stewart-Warner Corporation. (See Dean, Arthur F., assignor.)
Tabin-Picker & Company. (See Gentile, Robert S., assignor.)
Tech Equipment Company. (See Williams, Bradlee W. and H. S., assignors.)
Thomas, Laurence H. (See Kuhn, F., and Thomas.)
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 121,263; June 25.
United Shoe Machinery Corporation. (See Nutt, William H., assignor.)
Universal Camera Corporation. (See Brownscombe, P. J., and Kertesz, assignors.)
Universal Dental Company. (See Lambdin, Winfred, assignor.)
Universal Optical Company. (See Bosworth, Thomas E., assignor.)
Vaisey, Harold C. (See Mix, E. S., and Vaisey.)
Victor Metal Products Corporation. (See Jung, Albert H., assignor.)
Weller, Ernest E. (See Ashton, Pearl F., assignor.)
Weyand, Joseph R., St. Louis, Mo. Shoe. 121,175; June 25.
Willard Storage Battery Company. (See Rolph, Samuel W., assignor.)
Williams, Arthur F., assignor to Wils-edge Corporation, St. Paul, Minn. Pair of partially rimless spectacles. 121,151; June 25.
Williams, Bradlee W. and H. S., assignors to Tech Equipment Company, Chicago, Ill. Combination pulse count and blood pressure indicating machine. 121,264; June 25.
Williams, Findley, Park Ridge, Ill., assignor to W. L. Stensgaard & Associates, Inc. Display form for swimming trunks or the like. 121,199; June 25.
Williams, Findley, Park Ridge, Ill., assignor to W. L. Stensgaard & Associates, Inc. Display stand for swimming trunks or the like. 121,200; June 25.
Williams, Homer S. (See Williams, Bradlee W. and H. S.)
Wils-edge Corporation. (See Williams, Arthur F., assignor.)
Wise, Lawrence, Bronx, assignor to Go-Gay Products Corp., New York, N. Y. Brooch or similar article. 121,215; June 25.
Worthington, Everett, deceased, Scarsdale, N. Y., by L. Worthington, Berkeley, Calif., administratrix, assignor to American Can Company, New York, N. Y. Luggage catch or similar article. 121,265; June 25.
Worthington, Lucile, administratrix. (See Worthington, Everett.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbot, Charles G., Washington, D. C. Solar flash boiler. 2,205,378; June 25.
Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Winding. 2,205,384; June 25.
Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Winding. 2,205,385; June 25.
Abbott Laboratories. (See Ravenscroft, E. A., and Young, assignors.)
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Abrams, Morris, Brooklyn, N. Y. Stapling device. 2,205,709; June 25.
Achenbach, Emil W. and J. A., Muskegon, Mich. Pin spot. 2,205,454; June 25.
Achenbach, John A. (See Achenbach, Emil W. and J. A.)
Adams, Frederic H. (See Lecher, H. Z., Adams, and Orem.)
Adams, James A., Carlsbad, N. Mex., assignor to The Mine and Smelter Supply Company, Denver, Colo. Density control. 2,205,678; June 25.
Addressograph-Multigraph Corporation. (See Wescott, William B., assignor.)
Addy, Charles W., R. H. J. Riley, and R. J. Grinnell, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile apparatus. 2,205,455; June 25.
Agostineto, Giacomo, assignor of one-half to T. R. Thompson, Trout Creek, Mich. Kitchen tool. 2,205,379; June 25.
Aktiebolaget Atlas-Diesel. (See Thege, Edvin O. P., assignor.)
Almen, John O., Ferndale, assignor to General Motors Corporation, Detroit, Mich. Push button radio control. 2,205,968; June 25.
Aluminium-Industrie-Aktien-Gesellschaft. (See Zurbrügg, Emil, assignor.)
American Can Company. (See Murch, J. H., and Pechy, assignors.)
American Cutting Alloys, Inc. (See Schwarskopf, Paul, assignor.)
American Cyanamid Company. (See Christmann, L. J., and Jayne, assignors.)
American Cyanamid Company. (See Grim, John M., assignor.)
American Cyanamid Company. (See Ham, Garnet P., assignor.)
American Cyanamid Company. (See Lecher, H. Z., Adams, and Orem, assignors.)
American Cyanamid Company. (See Lecher, H. Z., Parker, and Orem, assignors.)
American Electro Metal Corporation. (See Schwarzkopf, Paul, assignor.)
American Forging & Socket Company, The. (See Johnson, Alvin L., assignor.)
American Forging & Socket Company. (See Rhodes, Albert J., assignor.)
American Hardware Corporation, The. (See Bernhard, Benjamin S., assignor.)
American Lurgi Corporation. (See Wassermann, Günter, assignor.)
American Pulverizer Company. (See Griesedieck, Henry C., assignor.)
American Smelting and Refining Company. (See Betterton, J. O., and Lebedeff, assignors.)
Ames, Cortlandt F., Jr., Larchmont, assignor to Johns-Manville Corporation, New York, N. Y. Shingle. 2,205,679; June 25.
Anderson, Claude D., Jr., Memphis, Tenn. Valve control. 2,205,512; June 25.
Anderson Company, The. (See Smulski, Theodore J., assignor.)
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Air distributor. 2,205,782; June 25.
Andler, Robert F., Rutherford, and L. W. Schroeder, Passaic, assignors to Electrol Incorporated, Clifton, N. J. Deflector for close coupled oil burners. 2,205,456; June 25.
Anné, Charles T. (See Mangelsodorf, T. A., Anné, and Wilson.)
Anthracite Separator Company. (See Pardee, Frank, assignor.)
Arado Flugzeugwerke Gesellschaft mit beschrankter Haftung. (See van Nes, Wilhelm, assignor.)
Arbuckle, Samuel F., deceased, by H. B. Scott, administratrix, and G. H. Coulter, administrator, and G. H. Coulter, assignors to United Lens Corporation, Detroit, Mich. Lamp. 2,205,642; June 25.
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Road grader. 2,205,588; June 25.
Arnold, Herrick R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preserving the catalytic activity of a metallic nickel hydrogenation catalyst. 2,205,552; June 25.
Arutunoff, Armais, assignor to Reda Pump Company, Bartlesville, Okla. Method and apparatus for straightening housings. 2,205,783; June 25.
Arutunoff, Armais, assignor to Reda Pump Company, Bartlesville, Okla. Method and apparatus for straightening housings. 2,205,784; June 25.
Ashmore, Le Roy, Houston, Tex. Fire extinguishing equipment. 2,205,710; June 25.
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Associated Electric Laboratories, Inc. (See Pye, Harold C., assignor.)
Associated Patents, Inc. (See Sizer, Harold S., assignor.)
Associated Telephone & Telegraph Company. (See Saville, Willie, assignor.)
Associated Telephone & Telegraph Company. (See Wright, Denis, assignor.)
Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Co., Inc., New York, N. Y. Ladle. 2,205,940; June 25.
Austenal Laboratories, Inc. (See Merrick, Albert W., assignor.)
Austin Company, The. (See Elber, H. E., and Druckenbrod, assignors.)
Automotive Products Company Limited. (See Brown, Francis V., assignor.)
Aviation Manufacturing Corporation. (See Hoffman, S. K., and Wiener, assignors.)
Bahlke, William H., Hammond, Ind., and F. W. Scheineman, assignors to Standard Oil Company, Chicago, Ill. Oil refining. 2,205,613; June 25.
Baker, Chester L. (See Vail, J. G., and Baker.)
Baker Perkins Incorporated. (See Pointon, J. E., and Dumbleton, assignors.)
Baker, Russell D. (See King, P. R., and Baker.)
Baldeschwieler, Emile L. (See Sweeney, W. J., and Baldeschwieler.)
Baldwin Locomotive Works, The. (See Dinzl, Richard W., assignor.)
Balke, Claire C. (See Balke, Clarence W. and C. C.)
Balke, Clarence W. and C. C., Highland Park, assignors to Fansteel Metallurgical Corporation, Chicago, Ill. Production of metals and alloys. 2,205,386; June 25.
Ball & Ball Carburetor Company. (See Ball, Frederick O. and T. M., assignors.)
Ball & Ball Carburetor Company. (See Ball, Thomas M., assignor.)
Ball Brothers Company. (See Wadsworth, Frank L. O., assignor.)
Ball, Cornelia M., executrix. (See Ball, Frederick O. and T. M.)
Ball, Frederick O. and T. M., Detroit, Mich; C. M. Ball, executrix of F. O. Ball, deceased, assignors to Ball & Ball Carburetor Company. Carburetor. 2,205,457; June 25.
Ball, Thomas M. (See Ball, Frederick O. and T. M.)
Ball, Thomas M., assignor to Ball & Ball Carburetor Company, Detroit, Mich. Carburetor control mechanism. 2,205,458; June 25.
Balmes Solanas, Ramon, Pinedes de Llobregat, Spain. Drawing mechanism for textile slivers. 2,205,701; June 25.
Bangs, Ralph C., Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Jewelry. 2,205,918; June 25.
Banks, Frank K., Atlanta, Ga. Insecticide collar for animals. 2,205,711; June 25.
Bardega, Joseph S., Detroit, Mich. Circular racing toy. 2,205,459; June 25.
Barrows, Alfred C., H. L. Haines, and G. W. Langford, assignors to Economy Baler Company, Ann Arbor, Mich. Baling press. 2,205,460; June 25.
Bartels, George, Jr. (See Keely, C. D., and (Schwanemann, assignor).)
Bartlett, Linton G., North Chicago, and H. B. Holthouse, assignors of fifty-one per cent to E. P. Molloy, twenty-two per cent to The Northern Trust Company, as trustee, and twenty-seven per cent to H. B. Holthouse, Chicago, Ill. Truck. 2,205,999; June 25.
Bashe, Carl E., Minneapolis, Minn. Closure fastener. 2,205,614; June 25.
Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)
Batcheller, Hugh W., Newton, assignor to Standard Mfg. Co., Worcester, Mass. Rheostat switch. 2,205,380; June 25.

Batchelor, John C., Hastings on Hudson, N. Y. Entertainment receiver. 2,205,461; June 25.
Becker, P., & Company. (See Schnur, William V., assignor.)
Bělenkij, Jiří, Olomouc, Czechoslovakia. Pressure device for hydraulic brakes. 2,205,806; June 25.
Bell Aircraft Corporation. (See Patterson, A. M. J., and Riley, assignors.)
Bell & Howell Company, The. (See Phillimore, Charles E., assignor.)
Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)
Bell, Hubert S., Corpus Christi, assignor of one-half to W. J. Clay, Houston, Tex. Brake for hoisting reels. 2,205,643; June 25.
Bell Telephone Laboratories, Incorporated. (See Caruthers, Robert S., assignor.)
Bell Telephone Laboratories, Incorporated. (See White, Addison H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Williams, Samuel B., assignor.)
Bendix Aviation Corporation. (See Rylsky, Gregory V., assignor.)
Benner, James J., Maple Heights, assignor to The Gebauer Chemical Company, Cleveland, Ohio. Dispensing device. 2,205,785; June 25.
Bennett, Arthur F., West Barrington, and G. B. Hirsch, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company. Machine tool. 2,205,462; June 25.
Berger Brothers Company, The. (See Versoy, Irving R., assignor.)
Bernhard, Benjamin S., Boston, Mass., assignor to The American Hardware Corporation, New Britain, Conn. Hinge. 2,205,786; June 25.
Bernheim, Roger, assignor to Société Cinoza, Société Anonyme, Paris, France. Process and device for the reproduction of fixed density sound records. 2,205,513; June 25.
Berns, Mel. (See Satz, F., and Berns.)
Berry, Robert E., San Leandro, Calif., assignor to Morton Salt Company, Chicago, Ill. Iodized salt. 2,205,872; June 25.
Betterton, Jesse O., and Y. E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Recovery of bismuth. 2,205,387; June 25.
Bilhuber, E., Inc. (See Hildebrandt, Gustav, assignor.)
Birch, William T., Chicago, Ill. Relief valve. 2,205,463; June 25.
Bitgood, Robert E., Hope Valley, R. I. Vehicle fuel tank cap lock. 2,205,712; June 25.
Bixby, Leo A., Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Gear shifting means. 2,205,589; June 25.
Bjorksten, Johan, Chicago, Ill. Plant growth stimulant. 2,205,807; June 25.
Blair, Robert S., Stamford, Conn. Pipe construction. 2,205,553; June 25.
Boatright, Arthur J., and A. T. Newman, assignors, by mesne assignments, to Economy Carburetor Incorporated, Kansas City, Mo. Fuel vaporizing apparatus for internal combustion engines. 2,205,388; June 25.
Boenecke, Alfred, Berlin, Germany. Hinge connection. 2,205,969; June 25.
Bolinger, George N., assignor to Sta-Rite Gianle Lou, Inc., Shelbyville, Ill. Lipstick construction. 2,205,808; June 25.
Borzym, Alexander, Detroit, Mich., assignor to The Yoder Company, Cleveland, Ohio. Cutoff mechanism. 2,205,389; June 25.
Bowers, Frederick M., Chester, Pa. Adjustable headband. 2,205,741; June 25.
Bowers, Frederick M., Chester, Pa. Adjustable headband. 2,205,742; June 25.
Bowersox, Joseph W., Kansas City, Mo. Bivet setting device. 2,205,772; June 25.
Bowman, Hyman D., Pittsburgh, Pa. Safety razor. 2,205,590; June 25.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain fixture. 2,205,644; June 25.
Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)
Brandegee, Morris M., Plainfield, and C. E. Hemminger, Westfield, N. J., assignors to Combustion Utilities Corporation, New York, N. Y. Generating oil gas. 2,205,554; June 25.
Breadner, Robert L., J. T. Randall, and J. W. Ryde, Middlesex, England, assignors to General Electric Company. Electric lamp. 2,205,809; June 25.
Breth, Maximilian, Ozone Park, N. Y. Shear guide for cutting cloth. 2,205,743; June 25.
Britton, Edgar C., G. H. Coleman and J. W. Zemba, assignors to The Dow Chemical Company, Midland, Mich. Copolymers of styrene and 2-chloroallyl esters. 2,205,390; June 25.
Brock, Arnold E. (See Schwager, A. C., Brock, and Gerrard.)
Brongersma, Cornelius, Muskegon Heights, assignor to Manning Maxwell & Moore, Inc., Muskegon, Mich. Electric motor control apparatus. 2,205,787; June 25.
Brooke, Norman E., Washington, D. C. Rake. 2,205,827; June 25.
Brooks, E. J., Company. (See Brooks, Winfred M., assignor.)
Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Shackle seal. 2,205,841; June 25.
Brouse, William H. D., Toronto, Ontario, Canada. Unloading compressor. 2,205,919; June 25.
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Operating mechanism for load brake devices. 2,205,514; June 25.
Brown and Sharpe Manufacturing Company. (See Bennett, A. F., and Hirsch, assignors.)
Brown, Francis V., assignor to Automotive Products Company Limited, London, England. Pump for liquid pressure remote control systems. 2,205,828; June 25.
Brunander, Gustav N., Portland, Oreg. Fireplace damper. 2,205,591; June 25.
Brunks, Fritz, Berlin-Steglitz, Germany, assignor to General Electric Company. Dry plate rectifier and producing same. 2,205,897; June 25.
Brunkow, William H., Oak Park, Ill. Method and apparatus for drying printed ink. 2,205,891; June 25.
Brunswick-Balke-Collender Company, The. (See Scheidemantel, H. B., and Luth, assignors.)
Buckley, Warren. (See Kolts, Tennies F., assignor.)
Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)
Buerosse, Alfred E. (See Buerosse, George J. and A. E.)
Buerosse, George J., Beaver Dam, and A. E. Buerosse, Wauwatosa, Wis., assignors of three-fourths to said G. J. Buerosse and one-fourth to said A. E. Buerosse. Brush holder. 2,205,464; June 25.
Buerosse, George J., et al. (See Buerosse, George J. and A. E., assignors.)
Burgess Battery Company. (See Chipley, Alfred S., assignor.)
Burgess, Richard. (See Wallace, C. R., and Burgess.)
Burke, James P. (See Clements, James H., assignor.)
Burnley, Robert C., Louisville, Ky. Animal trap. 2,205,970; June 25.
Burroway, Paul M., Phoenix, Ariz. Combination transparent building block and house number. 2,205,515; June 25.
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Measuring power on high-frequency energy lines. 2,205,873; June 25.
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for matching a high frequency radiator to a transmission line. 2,205,874; June 25.
Bush Manufacturing Company, The. (See Kromas, Harry C., assignor.)
Busse, Ferdinand, Munich, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Apparatus for numbering or marking light-sensitive photographic papers. 2,205,516; June 25.
Busse, Ferdinand, Munich, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Apparatus for the making of contact copies of films. 2,205,615; June 25.
Butman, Helen L., Portage Township, Kalamazoo County, Mich. Pastry or dough rolling apparatus. 2,205,842; June 25.
Byerlein, Erle J., Progreso, Tex. Briquetting machine tamping device. 2,206,000; June 25.
C-S Engineering Company. (See Schellens, Eugene L. and C. A., assignors.)
Cain, William T., New Westminster, British Columbia, Canada. Roller skate marking device. 2,205,713; June 25.
California Pacific Service, Inc., et al. (See Collins, Calhoun, assignor.)
Cameron Machine Company. (See Johnstone, Robert M., assignor.)
Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Valve construction. 2,205,758; June 25.
Campbell, Harry A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Seat back cushion. 2,205,465; June 25.
Caprio, Amerigo F., Madison, and H. E. Smith, Short Hills, N. J., assignors to Celluloid Corporation. Making decorative material. 2,205,466; June 25.
Caputo, James V., Crafton, Pa. Welding electrode. 2,205,680; June 25.
Caputo, James V., Crafton, Pa. Welding apparatus. 2,205,681; June 25.
Carey, Philip, Manufacturing Company, The. (See Petricoff, Boris J., assignor.)
Carr-Lowrey Glass Co. (See Garwood, Charles B., assignor.)
Carter, John E., Geneseo, Ill. Construction joint. 2,205,810; June 25.
Caruthers, Robert S., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Double balanced modulating system. 2,205,843; June 25.
Castings Patent Corporation. (See Hagemeyer, Henry F., assignor.)
Celanese Corporation of America. (See Addy, C. W., Riley, and Grinnell, assignors.)
Celluloid Corporation. (See Caprio, A. F., and Smith, assignors.)

Chamberlain, Inc. (See Proeger, William L., assignor.)
Chandler, Fred K., Des Moines, Iowa. Feed grinding and culturing apparatus. 2,205,898; June 25.
Chappuis, John A., Peseux, Switzerland, assignor to Talon, Inc. Machine for making fastener stringers. 2,205,616; June 25.
Chipley, Alfred S., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Silencing device for pulsating gases. 2,205,899; June 25.
Christmann, Ludwig J., Jersey City, and D. W. Jayne, Jr., Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Reaction products of organic bases and hydrofluosilicic acid. 2,205,789; June 25.
Chrysler Corporation. (See Campbell, Harry A., assignor.)
Chrysler Corporation. (See Dunn, W. T., and Iavelli, assignors.)
Chrysler Corporation. (See Fishburn, Otto E., assignor.)
Chrysler Corporation. (See Janeway, Robert N., assignor.)
Chrysler Corporation. (See Maurer, Edwin R., assignor.)
Chrysler Corporation. (See McCain, George L., assignor.)
Chrysler Corporation. (See Van Der Sluys, William, assignor.)
Chrysler Corporation. (See Zeeb, Elmer G., assignor.)
Cincinnati Butchers' Supply Company, The. (See Schmidt, Oscar C., assignor.)
Clark Equipment Company. (See Bixby, Leo A., assignor.)
Clark Equipment Company. (See Lapsley, Robert, assignor.)
Clark Equipment Company. (See Williams, Alfred O., assignor.)
Clark, Ernest, Brockton, Mass. Driving mechanism for wool card strippers. 2,205,920; June 25.
Clark, John J., Des Moines, Iowa. Monorail toy. 2,205,941; June 25.
Clark, Otto B. (See Plummer, W. B., and Clark.)
Clark, Thomas J., Carbondale, Pa., assignor to Hedrick Manufacturing Company. Filter screen. 2,205,758; June 25.
Clarke, Charles E., Winchester, assignor to The Lindbladh Corporation, Boston, Mass. Sheet feeding machine. 2,205,921; June 25.
Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Brace for automobile rear decks or the like. 2,205,682; June 25.
Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Brace for automobile rear decks or the like. 2,295,683; June 25.
Clay, Walter J. (See Bell, Hubert S., assignor.)
Clayton, Benjamin, Houston, Tex., and B. H. Thurman, Bronxville, N. Y., assignors to Refining, Inc., Reno, Nev. Refining animal and vegetable oils. 2,205,971; June 25.
Clements, James H., Detroit, Mich., assignor to J. P. Burke, Knoxville, Tenn. Mechanical push-button control. 2,205,844; June 25.
Cleveland Crane & Engineering Company, The. (See Wehr, William G., assignor.)
Cleveland Pneumatic Tool Company, The. (See Lear, Earl B., assignor.)
Cobert, Arthur J., assignor to Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Stocking. 2,205,790; June 25.
Cochran, James F., Glendale, Calif. Faucet. 2,205,684; June 25.
Cochran, William R., Philadelphia, Pa., assignor to Heintz Manufacturing Company. Ship door or hatch construction and adjustable retaining means therefor. 2,205,845; June 25.
Coffey, Jasper M., and R. C. English, San Diego, Calif. Liquid dispenser. 2,205,875; June 25.
Cohen, David L., Brooklyn, N. Y. Container cover. 2,205,467; June 25.
Cohen, Eli, Swampscott, assignor to Marilyn Sandal Corporation, Stoneham, Mass. Sandal. 2,206,001; June 25.
Cohn & Rosenberger Inc. (See Bangs, Ralph C., assignor.)
Cole, Henry, Co. (See Mayer, Leo, assignor.)
Coleman, Gerald H. (See Britton, E. C., Coleman, and Zemba.)
Coleman, Gerald H., assignor to The Dow Chemical Company, Midland, Mich. 2-Chloroallyl ethers of phenols. 2,205,395; June 25.
Coleman, Gerald H., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. (Alkyl-halophenoxy)-halo-dialkyl ethers. 2,205,392; June 25.
Coleman, Gerald H., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. (Halo-phenoxy)-halo-dialkyl ethers. 2,205,393; June 25.
Coleman, Gerald H., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Spray composition. 2,205,394; June 25.
Collins, Calhoun, assignor of two-fifths to California Pacific Service, Inc., and one-fifth to T. M. Ryerson, Bakersfield, Calif. Liquid controlled device. 2,205,811; June 25.
Colucci, Charles, New York, N. Y. Hinge. 2,205,396; June 25.
Columbus Auto Parts Company, The. (See Klages, Reynold E., assignor.)
Combustion Utilities Corporation. (See Brandegee, M. M., and Hemminger, assignors.)
Conley, William J., assignor to E. P. Langworthy, Rochester, N. Y. Bearing. 2,205,876; June 25.
Conn, C. G., Ltd. (See Jeffries, Le Roy J., assignor.)
Conner, Guy O., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container closure. 2,205,685; June 25.
Conrad, Frank, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning system. 2,205,744; June 25.
Conver Steel & Wire Co. Inc. (See La Grotta, Frank, assignor.)
Coolidge, Charles H., assignor to Curtis & Marble Machine Company, Worcester, Mass. Device for lubricating rotating cutter blades. 2,205,617; June 25.
Cooper, Benjamin, New York, N. Y. Treadle circuit. 2,205,555; June 25.
Cooper, Peter. (See Johnson, R. L., Knapp, Cooper, and Lyons.)
Corning Glass Works. (See Mattoon, Deo R., assignor.)
Coulter, Guy H. (See Arbuckle, S. F., and Coulter.)
Counciliman, Berton J., Ogden, Iowa. Streamline handle and latch mechanism. 2,205,618; June 25.
Courtney, Joseph F., Chicago, Ill. Radio antenna. 2,205,846; June 25.
Couty, Arnold L., Marshfield, Oreg. Preciling system. 2,205,812; June 25.
Covert, Harry E., Leslie, Mich. Plow hitch control. 2,205,619; June 25.
Cox, Parker G. (See Heftler, M. B., and Cox.)
Cramer, Raymond H., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Centerless grinding machine. 2,205,468; June 25.
Crane Co. (See Newman, Thomas P., assignor.)
Cravaritis, Andrew, assignor to National Silver Deposit Ware Co., Inc., New York, N. Y. Decanter holding device. 2,205,922; June 25.
Crocker, Ernest C., Belmont, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Stabilizing fats and oils and resulting product. 2,205,620; June 25.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Crystal filter. 2,205,847; June 25.
Cross, Walter M., Jr., Kansas City, Mo. Washing coal. 2,205,942; June 25.
Crosthwait, David N., Jr. (See Dunham, C. A., and Crosthwait.)
Crowell, Joyce H. (See Foster, H. B., and Crowell.)
Crown Cork & Seal Company. (See Goebel, G., and Wilckens, assignors.)
Crown Cork & Seal Company. (See Stewart, R. J., and Gladfelter, assignors.)
Crown Fastener Corporation. (See Lewis, John C., assignor.)
Cudemo, Frank V., New Brunswick, N. J. Sputum cup. 2,205,813; June 25.
Cummings, Charles A., Worcester, Mass., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,206,009; June 25.
Currier, Neil B., assignor of one-half to L. H. McClintock and one-half to F. L. McClintock, Los Angeles, Calif. Paper dispenser. 2,205,645; June 25.
Curtis & Marble Machine Company. (See Coolidge, Charles H., assignor.)
Curtis & Marble Machine Company. (See Remington, Leland F., assignor.)
Curtis, Richard C., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Replacement carrier system. 2,205,469; June 25.
Cutler-Hammer, Inc. (See Hunter, Richard B., assignor.)
Cutler-Hammer, Inc. (See Krieger, Alvin W., assignor.)
Cutler-Hammer, Inc. (See Stansbury, C., and Stevens, assignors.)
Daimler-Benz Aktiengesellschaft. (See Scherenberg, Hans, assignor.)
Damrow Brothers Company. (See Peters, Norman J., assignor.)
Davidson, Glenn, Aurora, Ill. Apparatus for manufacture of tobacco articles. 2,205,943; June 25.
Davis, Ernest W., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,205,759; June 25.
Davis, Hazel B., Worcester, Mass. Protective device. 2,205,972; June 25.
Deere & Company. (See Silver, Walter H., assignor.)
De Hoffmann, Alexander C., New York, N. Y. Self-releasing vehicle bumper. 2,205,592; June 25.
Dennison Latch Company, Inc., The. (See Dennison, Orvie G., assignor.)
Dennison, Orvie G., assignor, by mesne assignments, to The Dennison Latch Company, Incorporated, Lexington, Tenn. Latch mechanism. 2,205,973; June 25.
Detrick, M. H., Company. (See Hosbein, Louis H., assignor.)
Detroit Lubricator Company. (See Weber, Walter H., assignor.)
Deutser, Alton J., and R. F. Nelson, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Manufacture of polyvalent metal soaps. 2,206,002; June 25.
Devoe & Reynolds Company. See Lapointe, Alexandre J., assignor.)
Devol, Manson L., Penn Township, Allegheny County, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Profilograph. 2,205,517; June 25.
Dick, Burns. (See Schnell, S., and Dick.)
Dinzl, Richard W., Westfield, N. J., assignor, by mesne assignments, to The Baldwin Locomotive Works. Hydraulic press. 2,205,791; June 25.

Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)
Ditto, Incorporated. (See Paulsen, Christian, assignor.)
Doerner, Henry A., and D. L. Harris, assignors to State College of Washington Research Foundation, Pullman, Wash. Concentrating ores. 2,205,923; June 25.
Donnell, Emerson B., Racine, assignor to G. B. Taylor, Wauwautosa, Wis. Inclinometer. 2,206,003; June 25.
Dow Chemical Company, The. (See Britton, E. C., Coleman, and Zemba, assignors.)
Dow Chemical Company, The. (See Coleman, Gerald H., assignor.)
Dow Chemical Company, The. (See Coleman, G. H., and Moyle, assignors.)
Dow Chemical Company, The. (See Kirk, Roy C., assignor.)
Dow Chemical Company, The. (See Wiley, Ralph M., assignor.)
Drake, Edward P., Los Angeles, assignor to Lindsay Ripe Olive Companay, Lindsay, Calif. Automatic pitting machine. 2,205,397; June 25.
Dreher, Ellsworth B., New York, N. Y. Combined check and account book. 2,205,715; June 25.
Druckenbrod, Lawrence M. (See Elber, H. E., and Druckenbrod.)
Dry-Zero Corporation. (See Lindsay, Charles H., assignor.)
Ducret, André M. (See Rideau, J. R., and Ducret.)
Duffy, George E., Port Clinton, assignor to The Standard Products Company, Cleveland, Ohio. Extruding head. 2,205,518; June 25.
Dulczewski, John S., Amsterdam, N. Y. Attachment for rulers. 2,205,621; June 25.
Dumbleton, Claude. (See Pointon, J. E., and Dumbleton.)
Dunbar, Ralph E., East Cleveland, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Surface cleaning tool. 2,205,877; June 25.
Dunham, C. A., Company. (See Dunham, C. A., and Crosthwait, assignors.)
Dunham, Clayton A., Glencoe, and D. N. Crosthwait, Jr., Chicago, Ill., assignors to C. A. Dunham Company, Marshalltown, Iowa. Unit heater and air conditioner. 2,205,716; June 25.
Dunmire, Russell P., Alliance, Ohio. Circuit control device. 2,205,944; June 25.
Dunn, William T., and T. Iavelli, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,205,470; June 25.
Du Pont, E. I., de Nemours & Company. (See Arnold, Herrick R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Henke, C. O., and Etzel, assignors.)
Du Pont, E. I., de Nemours & Company. (See Kirk, Joseph S., assignor.)
De Pont, E. I., de Nemours & Company. (See Knowles, F., and Lycan, assignors.)
Du Pont, E. I., de Nemours & Company. (See Mitchell, James A., assignor.)
Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Hatch cover fastener. 2,205,556; June 25.
Earshen, James J., also known as D. I. Oushell, Buffalo, N. Y. Production of synthetic rubber. 2,205,699; June 25.
Eaton, Henry B., II, Scarsdale, assignor to Church E. Gates and Company, New York, N. Y. Court. 2,205,398; June 25.
Eby, Hugh H., Inc. (See Eby, Hugh H., assignor.)
Eby, Hugh H., Philadelphia, Pa., assignor to Hugh H. Eby, Inc. Electrical socket. 2,205,878; June 25.
Eckey, Eddy W., Wyoming, and R. G. Folzenlogen, Lockland, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Preparation of winter oil from cottonseed oil. 2,205,381; June 25.
Economy Baler Company. (See Barrows, A. C., Haines, and Langford, assignors.)
Economy Carburetor Incorporated. (See Boatright, A. J., and Newman, assignors.)
Edwards, Charles E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Marking machine. 2,205,399; June 25.
Ehrlich, Joseph C., New York, N. Y. Specimen case. 2,205,686; June 25.
Elber, Harry E., and L. M. Druckenbrod, assignors to The Austin Company, Cleveland, Ohio. Building construction. 2,205,519; June 25.
Elmco Corporation, The. (See Royle, Edwin B., assignor.)
Electric Storage Battery Company, The. (See Phillips, Joseph L., assignor.)
Electric Vacuum Cleaner Company. (See Dunbar, Ralph E., assignor.)
Electrol Incorporated. (See Andler, R. F., and Schroeder, assignors.)
Elsaesser, Frank S., Cincinnati, Ohio. Antidrip device. 2,205,687; June 25.
Elwell, Jacques, Courbevoie, France, assignor to Maag Zahnraeder & Maschinen Aktiengesellschaft, Zurich, Switzerland. Electromagnetic transmission. 2,205,688; June 25.
English, Richard C. (See Coffey, J. M., and English.)
Estes, Rufus B., Knoxville, Tenn. Burglar alarm. 2,205,945; June 25.
Etzel, Gastaõ. (See Henke, C. O., and Etzel.)
Eula, Marte A. (See Medwick, M. P., and Eula.)
Faber, Otto. (See Schwarz, E. A., and Faber.)
Fagerholm, David R., San Francisco, Calif. Amusement device. 2,205,471; June 25.
Fagerholm, David R., San Francisco, Calif. Fish lure. 2,205,472; June 25.
Fahlman, Everett G., Lakewood, Cleveland, assignor to The Permold Company, Cleveland, Ohio. Cylinder head. 2,205,646; June 25.
Fairchild, Charles O., St. Albans, assignor to Charles J. Taglabue Mfg. Co., Brooklyn, N. Y. Photoelectric indicating controller. 2,205,777; June 25.
Fansteel Metallurgical Corporation. (See Balke, Clarence W., and C. C.)
Farkas, Joseph, Robert, La. Roofing and fastening means therefor. 2,205,520; June 25.
Fausnaugh, Harold J., Three Rivers, Mich. Tool holder. 2,205,879; June 25.
Fawick Company, The. (See Fawick, Thomas L., assignor.)
Fawick, Thomas L., Akron, Ohio, assignor to The Fawick Company, Inc., Wabash, Ind. Assembly for brakes and the like. 2,205,521; June 25.
Fedon, Fleming A., Pittsburgh, Pa. Tile scoring and breaking device. 2,205,717; June 25.
Fernholz, Erhard. (See Wallis, E. S., and Fernholz.)
Ferracute Machine Company. (See Meyers, L, C., and Hersam, assignors.)
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 2,205,647; June 25.
Fewings, David J., Chelmsford, England, assignor to Radio Corporation of America. Electronic generator. 2,205,760; June 25.
Finch, James L., Patchogue, N. Y., assignor to Radio Corporation of America. Modulation system. 2,205,880; June 25.
Finck, Joseph L., Brooklyn, N. Y. Insulating building and like structures. 2,205,829; June 25.
Finke, Arno, Lengerich, Westphalia, Germany. Machine for making paper bags. 2,205,718; June 25.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Pressure-applying pad. 2,205,400; June 25.
Finnell System, Inc. (See Sarber, Ira C., assignor.)
Fischer, Alfred L., Portland, Maine. Traction apparatus for motor vehicles. 2,205,689; June 25.
Fischer, Emanuel M. (See Fischer, Sidney, assignor.)
Fischer, Erich, Bad Soden in Taunus, Germany, assignor to General Aniline & Film Corporation. Monoazo dyestuffs soluble in water. 2,205,848; June 25.
Fischer, Erich, Bad Soden in Taunus, and O. Lang, and A. Siebert, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. Azo dyestuffs soluble in water. 2,205,849; June 25.
Fischer, Sidney, assignor of one-half to E. M. Fischer, New York, N. Y. Camera cable release. 2,205,648; June 25.
Fischer, William L., Philadelphia, Pa. Torsional vibration damper. 2,205,401; June 25.
Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,205,473; June 25.
Fisher, Harry C., and J. F. Thompson, Cincinnati, and W. E. Sooy, assignors to The Gardner-Richardson Company, Middletown, Ohio. Waterproof and greaseproof paper. 2,205,557; June 25.
Fix, Earl L., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Double glazing unit. 2,205,522; June 25.
Flannery, William C., Washington, D. C. Car coupler. 2,205,830; June 25.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Product possessing sterilizing properties and method of application. 2,205,558; June 25.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Alkyl phenol sulphonates. 2,205,946; June 25.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Nuclear alkyl derivatives of phenol compounds. 2,205,947; June 25.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Primary alkyl phenol sulphonates. 2,205,948; June 25.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Emulsions, suspensions, and like dispersions. 2,205,950; June 25.
Flexible Steel Lacing Company. (See Olsen, John C., assignor.)
Florence Pipe Foundry & Machine Company. (See Camerota, Louis A., assignor.)
Folzenlogen, Robert G. (See Eckey, E. W., and Folzenlogen.)
Ford, Charles A., assignor to Charles A. Ford Co., Inc., Newark, N. J. Typewriter table. 2,206,004; June 25.
Ford, Charles A., Co. (See Ford, Charles A., assignor.)
Forehand, Thomas H., Nashville, Tenn. Automobile wheel jack. 2,205,719; June 25.
Forster, Thomas E., Jr., Wichita, Kans. Apparatus for vapor-conditioning wheat. 2,205,814; June 25.

Forsthoefel, Gregg F., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerator cabinet construction. 2,205,778; June 25.

Forsthoefel, Gregg F., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerator cabinet construction. 2,205,779; June 25.

Forsthoefel, Gregg F., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cabinet construction. 2,205,780; June 25.

Fossa, Joseph, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Speed controlling device. 2,205,622; June 25.

Foster, Charles E., et al., trustees. (See Frame, Alfred P., assignor.)

Foster, Harold B., and J. H. Crowell, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Manufacture of maleic anhydride. 2,205,402; June 25.

Foulke, Ted E., Nutley, N. J., assignor, by mesne assignments, to General Electric Company. Luminescent compound and making the same. 2,205,815; June 25.

Fox, Leo J., Keewatin, Minn. Fish lure. 2,205,773; June 25.

Frame, Alfred P., Haddonfield, N. J., assignor to C. E. Foster and E. V. Moncrieff, New York, N. Y., acting as trustees under the name of Oil Specialties Trustees. Liquid mineral oil sulphonates and process of manufacture. 2,205,924; June 25.

Frank, William R., Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Steering mechanism for agricultural implements. 2,205,403; June 25.

Fränz, Kurt, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna supervisory system. 2,205,881; June 25.

French Oil Mill Machinery Co., The. (See Stacy, Thomas F., assignor.)

Fridolph, Maude C., Los Angeles, Calif. Pantie construction. 2,205,745; June 25.

Froehlich, Alfred. (See Wilmanns, G., Schneider, and Froehlich.)

Fuller, Wayne C., Seattle, Wash. Sweatproof masonry wall. 2,205,404; June 25.

Gabler, Johann, deceased; S. Gabler, sole heir, Ettlingen, Germany, assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Cutter mechanism for needle looms. 2,205,623; June 25.

Gabler, Sophie, sole heir. (See Gabler, Johann.)

Galey, Henry J., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Window construction. 2,205,523; June 25.

Gallon Iron Works & Manufacturing Company, The. (See Arndt, Franklin E., assignor.)

Gardner-Richardson Company, The. (See Fisher, H. C., Thompson, and Sooy, assignors.)

Gardner, William T., assignor to Woodall-Duckham (1920) Limited, London, England. Device for viewing the interiors of heated enclosures. 2,205,952; June 25.

Gareis, Walter J., New Ulm, Minn. Paper clip or the like. 2,205,524; June 25.

Garwood, Charles B., Linthicum Heights, assignor to Carr-Lowrey Glass Co., Baltimore, Md. Making hollow glassware. 2,205,382; June 25.

Gates, Church E., and Company. (See Eaton, Henry B., II, assignor.)

Gebauer Chemical Company, The. (See Benner, James J., assignor.)

Geigy, J. R., A. G. (See Martin, H., and Hirt, assignors.)

General Aniline & Film Corporation. (See Busse, Ferdinand, assignor.)

General Aniline & Film Corporation. (See Fischer, Erich, assignor.)

General Aniline & Film Corporation. (See Fischer, E., Lang, and Siebert, assignors.)

General Aniline & Film Corporation. (See Hopff, H., and Schoenherr, assignors.)

General Aniline & Film Corporation. (See Kracker, H., and Schumacher, assignors.)

General Aniline & Film Corporation. (See Kuppe, Karl, assignor.)

General Aniline & Film Corporation. (See von Biehler, Arpad, assignor.)

General Aniline & Film Corporation. (See Weyde, Edith, assignor.)

General Aniline & Film Corporation. (See Wilmanns, G., Schneider, and Froehlich, assignors.)

General Electric Company. (See Breadner, R. L., Randall, and Ryde, assignors.)

General Electric Company. (See Brunke, Fritz, assignor.)

General Electric Company. (See Foulke, Ted E., assignor.)

General Electric Company. (See Jones, Benjamin W., assignor.)

General Electric Company. (See McMahan, Kenton D., assignor.)

General Electric Company. (See Sprenger, Richard, assignor.)

General Electric Company. (See Teker, John W., assignor.)

General Electric Company. (See Unger, Magnus, assignor.)

General Electric Company. (See White, L. D., and Stewart, assignors.)

General Electric Company Limited, The. (See Puckette, C. C., and Warrington, assignors.)

General Motors Corporation. (See Almen, John O., assignor.)

General Motors Corporation. (See Cramer, Raymond H., assignor.)

General Motors Corporation. (See Green, John T., assignor.)

General Motors Corporation. (See Hartzell, Herman L., assignor.)

General Motors Corporation. (See Nichols, Charles A., assignor.)

General Motors Corporation. (See Poole, Lora E., assignor.)

General Timber Service, Inc. (See Payzant, Henry H., assignor.)

General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)

Gerard, Roy H. (See Schwager, A. C., Brock, and Gerard.)

Gillette Safety Razor Company. (See Muros, Joseph, assignor.)

Gladfelter, Wiltie I. (See Stewart, R. J., and Gladfelter.)

Goebel, Edward F., Grand Rapids, Mich. Combustion regulator. 2,205,649; June 25.

Goebel, George, and E. A. Wilckens, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Printing press. 2,205,720; June 25.

Goebels, Lina, executrix. (See Goebels, Paul.)

Goebels, Paul, deceased; by L. Goebels, executrix, Dessau, Germany. Apparatus for mixing farinaceous or pulverous materials by means of compressed air. 2,205,525; June 25.

Goeller, Robert A., Larchmont, N. Y. Connector. 2,205,474; June 25.

Goetz, Henry G. (See Kidwell, Harry S., assignor.)

Goldkamp, Otto B., assignor of one-half to San Diego Consolidated Gas and Electric Company, San Diego, Calif. Valve. 2,205,774; June 25.

Grant, Carroll B., Dallas, Tex. Slatted awning. 2,205,721; June 25.

Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tanning. 2,205,882; June 25.

Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tanning. 2,205,883; June 25.

Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing delustered synthetic fibers and the like. 2,205,722; June 25.

Green, John T., assignor to General Motors Corporation, Detroit, Mich. Hog ring clinching tool. 2,205,690; June 25.

Greenman, Allen, Bay City, Mich. Electrical cooking device. 2,205,884; June 25.

Griesedieck, Henry C., Richmond Heights, assignor to American Pulverizer Company, St. Louis, Mo. Crushing machine. 2,205,850; June 25.

Grim, John M., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of aminotriazines. 2,206,005; June 25.

Grinnell, Reginald J. (See Addy, C. W., Riley, and Grinnell.)

Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sewing machine. 2,205,383; June 25.

Hackney Brothers Body Company. (See Wendt, Herbert C., assignor.)

Hagemeyer, Henry F., Chicago, Ill., assignor to Castings Patent Corporation. Mold drying method and apparatus. 2,205,650; June 25.

Haines, Harold L. (See Barrows, A. C., Haines, and Langford.)

Hall, Edwin S., Farmington, Conn. Mechanism for the interconversion of reciprocation and rotation. 2,205,953; June 25.

Hallberg, Andrew, West New York, N. J. Beverage dispensing device. 2,205,761; June 25.

Ham, Garnet P., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Recovery of silver from spent photographic solutions. 2,205,792; June 25.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Variable band width receiver. 2,205,762; June 25.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Temperature cycling. 2,205,851; June 25.

Hansen, Ralph D., Sioux Falls, S. Dak. Delivery truck. 2,205,723; June 25.

Hardy, William T., Bay City, Tex. Safety lock for railway switches. 2,205,526; June 25.

Harm, George O., Warren, Ohio. Sanitary disposition of fecal and other refuse materials. 2,205,405; June 25.

Harris, Dwight L. (See Doerner, H. A., and Harris.)

Hartman, Harry B., Florence, Mass. Air conditioning apparatus. 2,205,831; June 25.

Hartman, William W., Los Angeles, Calif. Multiple band blade slicing machine. 2,205,527; June 25.

Hartzell, Herman L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Condenser assembly. 2,205,816; June 25.

Hasbrouck, Harold J., Jr., Flushing, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound reproduction. 2,205,528; June 25.

Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Hedrick Manufacturing Company. (See Clark, Thomas J., assignor.)

Heftler, Maurice B., and P. G. Cox, assignors to Zenith Carburetor Company, Detroit, Mich. Lubricator. 2,205,559; June 25.

Heintz Manufacturing Company. (See Cochran, William R., assignor.)

Hemminger, Charles E. (See Brandegee, M. M., and Hemminger.)

Hence, John, Chicago, Ill. Indicating device. 2,205,775; June 25.

Hendrey, Waldersee B., Beacon, assignor to The Texas Company, New York, N. Y. Gauge cleaning device. 2,206,006; June 25.

Henke, Clyde O., Wilmington, Del., and G. Etzel, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Refining camphor. 2,205,954; June 25.

Henriod, Charles E., Fils, Neuilly-sur-Seine, France. Variable speed transmission. 2,205,832; June 25.

Henriod, Charles E., Fils, Neuilly-sur-Seine, France. Automatic clutch. 2,205,833; June 25.

Hercules Powder Company. (See Meinel, Karl, assignor.)

Hersam, Conrad O. (See Meyers, L. C., and Hersam.)

Herzog, Robert, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Distance indication means and method. 2,205,560; June 25.

Heyer, Don, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Ventilated variable speed power unit. 2,205,975; June 25.

Heyer, Don, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Variable speed power unit. 2,205,976; June 25.

Heyer, Don, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Electric motor driven power unit. 2,205,977; June 25.

Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Dry-sealing envelope. 2,205,529; June 25.

Hickman, Kenneth C. D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Fat soluble vitamin concentrate. 2,205,925; June 25.

Hildebrandt, Gustav, Mannheim, Germany, assignor to E. Bilhuber, Inc., Jersey City, N. J. Chemical compounds β-(ortho-hydroxyphenyl)-isopropylamines. 2,205,530; June 25.

Him, Chua Tiong, Manila, P. I. Manufacturing vermicelli. 2,205,834; June 25.

Hines, Wentworth S., Burlington, N. C. Garment identification. 2,205,724; June 25.

Hirsch, George B. (See Bennet, A. F., and Hirsch.)

Hirt, Rudolf. (See Martin, H., and Hirt.)

Hiscock, John T., Chicago, Ill. Tool-holding means. 2,205,955; June 25.

Hoag, Glen B., Fullerton, Calif. Chair walker. 2,205,978; June 25.

Hoe, R., & Co. (See Keller, G. M., and Zuckerman, assignors.)

Hoe, R., & Co. (See Schwarz, Otto, assignor.)

Hoffer, Leopold, Cincinnati, Ohio. Watchcase construction. 2,205,407; June 25.

Hoffman, Samuel K., and L. S. Wiener, assignors to Aviation Manufacturing Corporation, Williamsport, Pa. Control mechanism for internal combustion engines. 2,205,651; June 25.

Holcomb, Philo, Jr., Malba, assignor to The Western Union Telegraph Company, New York, N. Y. Multichannel telegraph system. 2,205,406; June 25.

Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Ultra-high frequency receiver. 2,205,475; June 25.

Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Short-wave resonant circuit. 2,205,852; June 25.

Holthouse, Harry B., Chicago, Ill. Ignition system and magneto therefor. 2,205,561; June 25.

Holthouse, Harry B., et al. (See Bartlett, L. G., and Holthouse.)

Hopff, Heinrich, and H. Schoenherr, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Fluorescent hydrocarbon oil. 2,205,408; June 25.

Hopff, Heinrich, and H. Schoenherr, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Polynuclear condensation products and their production. 2,205,763; June 25.

Horechney, Frank S., Milwaukee, Wis. Combination tool. 2,205,979; June 25.

Horn, Harry J. (See Hunt, J. H., and Horn.)

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,205,652; June 25.

Horn, Paul E., Fort Dodge, Iowa. Folding bleacher seats. 2,205,624; June 25.

Hosbein, Louis H., Glencoe, assignor to M. H. Detrick Company, Chicago, Ill. Still construction. 2,205,776; June 25.

Houdry, Eugène J., Haverford, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Temperature control of catalytic operations. 2,205,409; June 25.

Houdry Process Corporation. (See Houdry, Eugène J., assignor.)

Howard, James H. (See McEvoy, J. H., and Howard.)

Howard, Roscoe D., Tulsa, Okla., assignor, by mesne assignments, to Petroleum Research Corporation, Chicago, Ill. Treating hydrocarbon oils. 2,205,410; June 25.

Howard, Roscoe D., Tulsa, Okla., assignor, by mesne assignments, to Petroleum Research Corporation, Chicago, Ill. Refining mineral oil. 2,205,411; June 25.

Humphner, Ferdinand W., Oak Park, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Stamp and method of forming. 2,205,956; June 25.

Hunt, Franklin B., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Compressor. 2,205,793; June 25.

Hunt, J Harold, and H. J. Horn, assignors to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,205,653; June 25.

Hunter, Richard B., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Transforming apparatus. 2,205,476; June 25.

Hurwitz, William S. (See Nelson, R. F., and Hurwitz.)

Husar, Fred, Chicago, Ill. Binocular. 2,205,764; June 25.

Huyck, F. C., & Sons. (See Gabler, Johann, assignor.)

Hydril Company. (See Knox, Granville S., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Ulrich, H., and Ploetz, assignors.)

Iavelli, Teno. (See Dunn, W. T., and Iavelli.)

Ide, Roy W., Jr., Gary, Ind., and H. A. Winkelmann, assignors to Marbon Corporation, Chicago, Ill. Dielectric composition. 2,205,654; June 25.

Imperial Chemical Industries Limited. (See Lefebure, Victor, assignor.)

Ingersoll-Rand Company. (See Jones, Joseph W., assignor.)

Ingersoll-Rand Company. (See Miller, Frank, assignor.)

Irwin Corporation. (See Raber, Irvin H., assignor.)

Jackson, Donald R., and T. H. Vaughn, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Research Laboratories, Inc. Preparation of acetylenic acids. 2,205,885; June 25.

Jahnke, Edward G., U. S. S. Wyoming, New York, N. Y. Skate attachment. 2,205,412; June 25.

James, William M., Excelsior, Minn. Flashlight and electrical tester. 2,205,477; June 25.

Jandasek, Joseph, Cicero, Ill. Turbine torque converter and clutch. 2,205,794; June 25.

Janeway, Robert N., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Railway vehicle. 2,205,478; June 25.

Jany, José, Sao Paulo, Brazil. Apparatus for the filming of X-ray images. 2,205,853; June 25.

Jayne, David W., Jr. (See Christmann, L. J., and Jayne.)

Jeffries, Le Roy J., assignor to C. G. Conn Ltd., Elkhart, Ind. Tympano. 2,205,593; June 25.

Johansson, Helmut, Berlin-Charlottenburg, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Regulating arrangement for high frequency receivers. 2,205,562; June 25.

Johns-Manville Corporation. (See Ames, Cortlandt F., Jr., assignor.)

Johns-Manville Corporation. (See Johnson, R. L., Knapp, Cooper, and Lyons, assignors.)

Johnson, Alvin L., Ottawa Hills, Ohio, assignor to The American Ferging & Socket Company, Pontiac, Mich. Lifting jack. 2,205,691; June 25.

Johnson, Reginald L., Riverdale, R. F. Knapp, Brooklyn, P. Cooper, New York, and E. J. Lyon, Larchmont, assignors to Johns-Manville Corporation, New York, N. Y. Demonstration device. 2,205,692; June 25.

Johnson Service Company. (See Otto, Carl A., assignor.)

Johnstone, Robert McC., Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Assembling core members on arbors. 2,205,563; June 25.

Johnstone, Robert McC., Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting flexible material. 2,205,564; June 25.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic shuttle stopping device. 2,205,900; June 25.

Jones, Everett P. (See Nicholson, W. B., and Jones.)

Jones, Joseph W., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor outfit. 2,205,594; June 25.

Joyce, Temple N., Arnold, assignor to Zap Development Corporation, Baltimore, Md. Wing flap. 2,205,479; June 25.

Judge, Louis L., Baltimore, Md. Automobile tire jack or dolly. 2,205,746; June 25.

Jungmann, Karl, Aussig, Czechoslovakia, assignor to Schering Corporation, Bloomfield, N. J. Material for therapeutic purposes capable of swelling in water, and preparing same. 2,205,886; June 25.

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Mader, Otto, assignor.)

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See v. Doepp, Philipp, assignor.)

Kalle & Co. Aktiengesellschaft. (See Neugebauer, W., and Süs, assignors.)

Kaufman, Hiram J., Detroit, Mich. Cooling and dehumidifying apparatus. 2,205,413; June 25.

Kavanagh, Charles J., London, England. Beam structure. 2,205,725; June 25.

Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,205,414; June 25

Keely, Clifford D., Bloomfield, and O. H. Schwanemann, Jr., Newark; said Schwanemann, assignor to G. Bartels, Jr., Teaneck, N. J. Football game. 2,205,415; June 25.

Kehm, Clarence H., Chicago, Ill. Radio autograph. 2,205,531; June 25.

Keller, George M., Rochester, and A. M. Zuckerman, assignors to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 2,205,980; June 25.

Keller, John D. (See Wean, R. J., and Keller.)

Kelly, Daniel A., Milwaukee, Wis. Electric circuit interruption. 2,205,655; June 25.

Kendall, George A., Detroit, Mich. Trailer connection. 2,205,656; June 25.

Kern, Jean G., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Coloring with azo dyes. 2,205,416; June 25.

Kern, Jean G., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Nitrosamine addition product. 2,205,417; June 25.

Kern, Jean G., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Coloring textile materials. 2,205,887; June 25.

Kibele Manufacturing Company. (See Wilson, Robert A., assignor.)

Kidwell, Harry S., Chicago, Ill., assignor to the firm Henry G. Goetz, Irvington, N. J. Focusing and printing apparatus for photographic enlarging. 2,205,480; June 25.

King, Philo R., Webster Groves, Mo., and R. D. Baker, Alton, Ill., assignors to Union Starch and Refining Company, Columbus, Ind. Cross-flow system. 2,205,657; June 25.

Kinkis, Victor M., assignor of one-half to W. G. Kinkis, Newton Falls, Ohio. Hand shield. 2,205,957; June 25.

Kinkis, William G. (See Kinkis, Victor M., assignor.)

Kirk, Joseph S., Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tanning. 2,205,901; June 25.

Kirk, Roy C., assignor to The Dow Chemical Company, Midland, Mich. Production of magnesium. 2,205,658; June 25.

Kirk, Roy C., assignor to The Dow Chemical Company, Midland, Mich. Producing magnesium. 2,205,659; June 25.

Kirk, Roy C., assignor to The Dow Chemical Company, Midland, Mich. Production of magnesium. 2,205,660; June 25.

Kissock, Alan, Laurelton, N. J. Extraction of metals. 2,205,565; June 25.

Klages, Reynold E., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Joint construction. 2,205,981; June 25.

Klauss, Howard F., Pittsburgh, Pa. Toy pump. 2,205,747; June 25.

Kleiber, Carl E., Irvington, N. J., assignor to Standard Oil Development Company. Apparatus for cracking oil. 2,205,765; June 25.

Kleynen, Petrus H. J. A. (See Strutt, M. J. O., and Kleynen.)

Klipsch, Paul W., Houston, Tex., assignor to Western Cartridge Company, New Haven, Conn. Stock-and-barrel assembly for firearms. 2,205,982; June 25.

Knapp-Monarch Company. (See Ward, Lawrence T., assignor.)

Knapp, Robert F. (See Johnson, R. L. Knapp, Cooper, and Lyons.)

Knowles, Francis, Wilmington, Del., and W. H. Lycan, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of dichloroindanthrone. 2,205,418; June 25.

Knox, Granville S., assignor to Hydril Company, Los Angeles, Calif. Well pipe plug. 2,205,748; June 25.

Koebel, Charles J., assignor, by mesne assignments, to Koebel Diamond Tool Co., Detroit, Mich. Base metal alloy. 2,205,888; June 25.

Koebel Diamond Tool Co. (See Koebel, Charles J., assignor.)

Kohl, Thomas F., Easton, Pa. Press. 2,205,532; June 25.

Köllner, Moriz, Leipzig, Germany. Printing press. 2,205,566; June 25.

Kolts, Tennies F., assignor, by mesne assignments, to W. Buckley, Chicago, Ill. Nonrefillable bottle closure. 2,205,567; June 25.

Koppers Company. (See van Ackeren, Joseph, assignor.)

Kovats, Joseph E., Chicago, Ill. Bite gauge. 2,205,926; June 25.

Kraber, Edwin I., assignor to York Oil Burner Co., Inc., York, Pa. Liquid fuel burner apparatus. 2,205,983; June 25.

Kracker, Herbert, and W. Schumacher, Krankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. Monoazo dyestuffs. 2,205,481; June 25.

Kraemer, Frederick, Brentwood, N. Y. Cement block. 2,205,419; June 25.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Radiator cover. 2,205,661; June 25.

Kramb, Charles H., Coldwater, N. Y. Shoe rack. 2,205,817; June 25.

Kramer, Saul, Brooklyn, N. Y., assignor of one-fourth to C. M. Palmer, Washington, D. C. Compact. 2,205,974; June 25.

Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,205,482; June 25.

Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 2,205,483; June 25.

Kroll, Wilhelm, Luxemburg, Luxemburg. Manufacturing titanium and alloys thereof. 2,205,854; June 25.

Kromas, Harry C., assignor to The Bush Manufacturing Company, Hartford, Conn. Radiator. 2,205,984; June 25.

Kuhl, Paul E., Cranford, N. J., assignor to Standard Oil Development Company. Apparatus for cracking oil. 2,205,766; June 25.

Kuhnl, Leopold, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Razor. 2,205,568; June 25.

Kuppe, Karl, Cologne-Lindenthal, Germany, assignor to General Aniline & Film Corporation. Vat dyestuffs of the anthraquinone series. 2,205,855; June 25.

Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Safety glass. 2,205,420; June 25.

Lacey, Harold, Haledon, assignor to Morrison Machine Company, Paterson, N. J. Tentering machine. 2,205,749; June 25.

La Grotta, Frank, assignor to Conver Steel & Wire Co. Inc., New York, N. Y. Form tie. 2,205,662; June 25.

Lamb, George E., Hoquiam, Wash. Continuous layboy. 2,205,767; June 25.

Lamm, William R., San Antonio, Tex. Electric candle lighter. 2,205,856; June 25.

Landrum, Porter, Birmingham, Ala. Aircraft propeller. 2,205,835; June 25.

Lane, Asher, Jr., Topeka, Kans. Display sign. 2,205,818; June 25.

Lang, Otto. (See Fischer, E., Lang, and Siebert.)

Langdon, Jesse D., Los Angeles, Calif. Valve and valve member. 2,205,533; June 25.

Langford, George W. (See Barrows, A. C., Haines, and Langford.)

Langworthy, E. Phelps. (See Conley, William J., assignor.)

Lapointe, Alexandre J., Louisville, Ky., assignor to Devoe & Raynolds Company, Inc. Dispersion of pigments in film-forming vehicles. 2,205,985; June 25.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,205,595; June 25.

Layne, Leslie A., Houston, Tex., assignor to The Texas Company. Treating wells. 2,205,421; June 25.

Layne, Leslie A., Houston, Tex., assignor to The Texas Company. Forming a gravel pack in a well bore. 2,205,422; June 25.

Lear, Earl B., Garfield Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,205,569; June 25.

Lebedeff, Yurii E. (See Betterton, J. O., and Lebedeff.)

Lecher, Hans Z., Plainfield, F. H. Adams, Somerville, and H. P. Orem, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Stable ice color producing composition. 2,205,795; June 25.

Lecher, Hans Z., Plainfield, F. H. Adams, Somerville, and H. P. Orem, North Plainfield, N. J., assignors to American Cyamid Company, New York, N. Y. Stable ice color producing composition. 2,205,796; June 25.

Lecher, Hans Z., Plainfield, R. P. Parker, Somerville, and H. P. Orem, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Ice color producing composition. 2,205,663; June 25.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body structure and method of assembly. 2,205,797; June 25.

Lefebure, Victor, London, England, assignor to Imperial Chemical Industries Limited. Covering or finish. 2,205,423; June 25.

Lehman, Charles L., Edmonton, Alberta, Canada. Container attachment. 2,205,726; June 25.

Lengacher, Godfrey, Sugarcreek, Ohio. Automatic hose nozzle. 2,205,727; June 25.

Leonard, Samuel E., Jr., Cleveland, Ohio. Induction apparatus. 2,205,424; June 25.

Leonard, Samuel E., Jr., Cleveland, Ohio. Apparatus for welding. 2,205,425; June 25.

Les Usines de Melle. (See Ricard, Eloi, assignor.)

Lewis, John C., Providence, assignor to Crown Fastener Corporation, Warren, R. I. Tape for separable fasteners. 2,205,570; June 25.

Liebknecht, Otto, Neubabelsberg, Germany, assignor to The Permutit Company, New York, N. Y. Production of conversion products from carbonaceous materials. 2,206,007; June 25.

Lindbladh Corporation, The. (See Clarke, Charles E., assignor.)

Linde Air Products Company, The. (See Nicholson, W. B., and Jones, assignors.)

Linde Air Products Company, The. (See Smith, George H., assignor.)

Lindsay, Charles H., Evanston, assignor to Dry-Zero Corporation, Chicago, Ill. Extension hinge. 2,205,484; June 25.

Lindsay Pipe Olive Company. (See Drake, Edward P., assignor.)

Liquid Carbonic Corporation, The. (See Hunt, Franklin B., assignor.)

Little, Arthur D., Incorporated. (See Crocker, Ernest C., assignor.)

Lochhead, John L., Springfield, Mass. Machine gun. 2,205,426; June 25.

Logan Gear Company, The. (See McCarthy, Charles S., assignor.)

Loos, Karl, Lancaster, Pa. Phenol-urea resin and making same. 2,205,427; June 25.

Lorenz, C., Aktiengesellschaft. (See Herzog, Robert, assignor.)

Lorenz, C., Aktiengesellschaft. (See Johannson, Helmut, assignor.)

Lower, Nathan M., Erie, Pa. Stoker. 2,205,596; June 25.

Lubri-Zol Development Corporation, The. (See Wunsch, J. A., and Marlies, assignors.)

Luth, Harold J. (See Scheidemantel, H. B., and Luth.)

Lycan, William H. (See Knowles, F., and Lycan.)

Lyons, Edwin J. (See Johnson, R. L., Knapp, Copper, and Lyons.)

Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Composite cellular glass block. 2,205,534; June 25.

Maag-Zahnraeder & Machinen Aktiengesellschaft. (See Elwell, Jacques, assignor.)

Mabrito, Guido V., Chicago, Ill. Automatic brake adjustment. 2,205,889; June 25.

Mader, Otto, Dessau-Ziebigk, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Aircraft propulsion. 2,205,625; June 25.

Magazine Repeating Razor Company. (See Kuhnl, Leopold, assignor.)

Mangelsdorf, Theodore A., C. T. Anné, and H. I. Wilson, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Apparatus for the countercurrent extraction of hydrocarbon oil with a solvent. 2,205,986; June 25.

Manning Maxwell & Moore, Inc. (See Brongersma, Cornelius, assignor.)

Marbon Corporation. (See Ide, R. W., Jr., and Winwelmann, assignors.)

Marchand, Joseph L., West Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company. Firearm construction. 2,205,857; June 25.

Marilyn Sandal Corporation. (See Cohen, Eli, assignor.)

Markowitz, Jerome, Allentown, Pa. Electronic pianorgan. 2,205,571; June 25.

Marlies, Charles A. (See Wunsch, J. A., and Marlies.)

Martin, Henry, and R. Hirt, assignors to the firm J. R. Geigy A. G., Basel, Switzerland. Manufacturing amino ketones. 2,205,728; June 25.

Martin-Parry Corporation. (See Small, Frederick M., assignor.)

Marvin, Stanley, San Francisco, assignor, by mesne assignments, to B. E. Witkin, Oakland, Calif. Laundry press. 2,205,507; June 25.

Mason, Frank E., White River Junction, Vt. Measuring device to determine the symmetrical size of extremities. 2,205,626; June 25.

Mastic Asphalt Corporation. (See Mattes, Lee H., assignor.)

Mattes, Lee H., assignor to Mastic Asphalt Corporation, South Bend, Ind. Building covering material. 2,205,798; June 25.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric switching system. 2,205,927; June 25.

Mattoon, Deo R., assignor to Corning Glass Works, Corning, N. Y. Handle for cooking utensils. 2,205,819; June 25.

Maurer, Edwin R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,205,485; June 25.

Maximon, Harry. (See Schoenberg, M. J., and Maximon.)

Mayer, Leo, Newton, assignor to Henry Cole Co., South Boston, Mass. Signal light switch. 2,205,664; June 25.

McBryde, Archie F., Meadville, Pa. Curtain stretcher. 2,205,820; June 25.

McCain, George L., assignor to Chrsyler Corporation, Detroit, Mich. Power driving mechanism. 2,205,486; June 25.

McCann, William O., and T. G. Weldon, St. Paul, Minn. Scattering device. 2,205,572; June 25.

McCarthy, Charles S., assignor to The Logan Gear Company, Toledo, Ohio. Mechanism control. 2,205,987; June 25.

McClintock, Florence L., et al. (See Currier, Neil B., assignor.)

McClintock, Lynn H., et al. (See Currier, Neil B., assignor.)

McEvoy Company. (See McEvoy, J. H., and Howard, assignors.)

McEvoy, Joseph H., and J. H. Howard, assignors to McEvoy Company, Houston, Tex. Oil well equipment. 2,205,988; June 25.

McGhee, Charles R., Gastonia, N. C., and J. W. Woodruff, Columbus, Ga.; said McGhee assignor to said Woodruff. Dyeing masses or raw fiber and drying the same. 2,205,958; June 25.

McMahan, Kenton D., Schenectady, N. Y., assignor to General Electric Company. Reversible fan. 2,205,902; June 25.

McMenamin, James F., Philadelphia, Pa. Machine tool fixture. 2,205,799; June 25.

Medwick, Maury P., Brooklyn, N. Y., and M. A. Eula, South Norwalk, Conn. Strap cutting machine. 2,205,573; June 25.

Meinel, Karl, Dormagen-I. G. Werk, near Cologne, Germany, assignor to Hercules Powder Company, Wilmington, Del. Aralkyl ethers of high molecular carbohydrates. 2,205,487; June 25.

Merck & Co. Inc. (See Wallis, E. S., and Fernholz, assignors.)

Merrick, Albert W., assignor to Austenal Laboratories, Inc., New York, N. Y. Making molded articles. 2,205,488; June 25.

Meyer, Edwin M., Parkersburg, W. Va., assignor to Porcelain Products, Inc., Findlay, Ohio. Fuse cutout. 2,205,928; June 25.

Meyers, Luther C., Bridgeton, N. J., and C. O. Hersam, Germantown, Philadelphia, Pa., assignors to Ferracute Machine Company, Bridgeton, N. J. Cobined clutch and brake mechanism. 2,205,989; June 25.

Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)

Miescher, Karl, Riehen, near Basel, and C. Scholz, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Esters of unsaturated polyhydroxy estrane. 2,205,627; June 25.

Mikeska, Louis A., and F. L. Miller, Elizabeth, N. J., assignors to Standard Oil Development Company. Lubricant containing organic sulphides. 2,205,858; June 25.

Miller, Floyd L. (See Mikeska, L. A., and Miller.)

Miller, Frank, East Orange, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J. Core lifter. 2,205,508; June 25.

Milne, Samuel, Edinburgh, Scotland. Paper-making machine. 2,205,693; June 25.

Mine and Smelter Supply Company, The. (See Adams, James A., assignor.)

Miner, W. H., Inc. (See Dwyer, William M., assignor.)

Minerals Separation North American Corporation. (See Trotter, W., and Wilkinson, assignors.)

Minneapolis-Honeywell Regulator Company. (See Cummings, Charles A., assignor.)

Minneapolis-Honeywell Regulator Company. (See Schweickart, William M., assignor.)

Minneapolis-Moline Power Implement Company. (See Frank, Willam R., assignor.)

Mitchell, Harry R., Bremerton, assignor of one-half to D. G. Smith, Mercer Island, Wash. Device for removing dust from clothes. 2,205,509; June 25.

Mitchell, James A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproofing. 2,205,428; June 25.

Mitchell, James I. (See Noxon, P. A., and Mitchell.)

Möbus, Karl, Berlin, Germany. Filing cabinet for drawings, plans, and the like. 2,205,903; June 25.

Molloy, Edward P., et al. (See Bartlett, L. G., and Holthouse, assignors.)

Moncrieff, Ernest W., et al, trustees. (See Frame, Alfred P., assignor.)

Monroe, Daniel B., Denver, Colo. Inclinometer. 2,205,729; June 25.

Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)

Moore, Buel W., Venice, Calif. Clothes drier. 2,205,904; June 25.

Morgan, Arthur C., Los Altos, Calif. Building construction. 2,205,730; June 25.

Morin, Louis H., assignor to Whitehall Patents Corporation, Bronx, N. Y. Slider for separable fasteners. 2,205,694; June 25.

Moross, George B., Jackson Heights, N. Y. Oscillative indicating instrument. 2,205,574; June 25.

Morrison, John R., Hudson, Ohio. Welding rod processing equipment. 2,205,628; June 25.

Morrison Machine Company. (See Lacey, Harold, assignor.)

Morton Salt Company. (See Berry, Robert E., assignor.)

Motor Wheel Corporation. (See Horn, Harry J., assignor.)

Motor Wheel Corporation. (See Hunt, J H., and Horn, assignors.)

Moyle, Clarence L. (See Coleman, G. H., and Moyle.)

Muckenhirn, Ottilie. Basel, Switzerland. Brush, mop, and the like. 2,205,535; June 25.

Mudgett, Ralph D., Oakdale, Conn. Pin cushion. 2,205,536; June 25.

Murch, John H., East Orange, and W. Pechy, Elizabeth, N. J., assignors to American Can Company, New York, N. Y. Temperature control mechanism. 2,205,429; June 25.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,205,905; June 25.

Murray Colour Controls Limited. (See Murray, Guy L., assignor.)

Murray, Guy L., Leeds, assignor to Murray Colour Controls Limited, London, England. Apparatus for controlling the operation of machine tools using fixed or movable cutters. 2,205,959; June 25.

Musgrave, James R., deceased; The Peoples National Bank, Shelbyville, and The Third National Bank, Nashville, Tenn., administrators; assignors to Musgrave Pencil Company, Inc. Pencil attachment. 2,205,929; June 25.

Musgrave Pencil Company. (See Musgrave, James R., assignor.)

N. V. Octrooien-Maatschappij "Activit". (See Smit, Pieter, assignor.)

Nabors, William C., Mansfield, La. Truck body. 2,205,575; June 25.

National Aniline & Chemical Company. (See Flett, Lawrence H., assignor.)

National Aniline & Chemical Company. (See Foster, H. B., and Crowell, assignors.)

National Aniline & Chemical Company. (See Kern, Jean G., assignor.)

National Aniline & Chemical Company. (See Robinson, Jack D., assignor.)

National Folding Box Company. (See Ringler, William A., assignor.)

National Lock Washer Company, The. (See Schunk, Joseph, assignor.)

National Silver Deposit Ware Co. (See Cravaritis, Andrew, assignor.)

Neebe, Lawrence L., Woodbury, N. J. Steam pipe arrangement for locomotives. 2,205,800; June 25.

Nelson, Roy F. (See Deutzer, A. J., and Nelson.)

Nelson, Roy F., and W. S. Hurwitz, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Pipe thread lubricant. 2,205,990; June 25.

Nelson, William A., Minneapolis, Minn. Garment hanger. 2,205,489; June 25.

Neugebauer, Wilhelm, and O. Sils, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Diazotype process. 2,205,991; June 25.

Newman, Albert T. (See Boatwright, A. J., and Newman.)

Newman, Thomas P., Geneva, assignor to Crane Co., Chicago, Ill. Flush valve operator. 2,205,801; June 25.

Nichols, Charles A., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for forming multiply tubing. 2,205,821; June 25.

Nicholson, William B., and E. P. Jones, Elizabeth, N. J., assignors to The Linde Air Products Company. Cutting or flame-machining metal. 2,205,890; June 25.

Northern Trust Company, The, et al., trustee. (See Bartlett, L. G., and Holthouse, assignors.)

Norton Company. (See Richter, Henry O., assignor.)

Notwell, Fred. (See Sauter, E. G., and Notwell.)

Noxon, Paul A., Tenafly, N. J., and J. I. Mitchell, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Printing telegraph apparatus. 2,205,430; June 25.

Nye, Norman H., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Apparatus for operating on strand or strip material. 2,205,537; June 25.

Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Sound translating device supporting assembly. 2,205,906; June 25.

O'Brien, Harry E., Washington Township, Marion County, near Indianapolis, Ind. Clarinet key. 2,205,695; June 25.

O'Donnell, John R., Brooklyn, N. Y. Stair construction. 2,205,859; June 25.

Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)

Oil Specialties Trustees. (See Frame, Alfred P.)

Oilgear Company, The. (See Ferris, Walter, assignor.)

Olds, Phelps, Little Neck, N. Y. Flashlight apparatus. 2,205,860; June 25.

Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt preparing tool. 2,205,731; June 25.

Olson, Oscar A., Jr., Scarsdale, N. Y. Heat exchange apparatus. 2,205,431; June 25.

Orem, Henry P. (See Lecher, H. Z., Adams, and Orem.)

Orem, Henry P. (See Lecher, H. Z., Parker, and Orem.)

Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Pneumatic control system. 2,205,930; June 25.

Ousheff, Dimiter I. (See Earshen, James J.)

Oussani, James J., Brooklyn, N. Y. Electric stapling machine. 2,205,861; June 25.

Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Window construction. 2,205,538; June 25.

Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Drier for sheeting. 2,205,539; June 25.

Oxley, John H., Watertown, Mass. Crayon holder. 2,205,907; June 25.

Pacific Electric Manufacturing Corporation. (See Schwager, A. C., Brock, and Gerard, assignors.)

Palit, Amrita R., Calcutta, India. Flushing cistern. 2,205,960; June 25.

Palmer, Charles M. (See Kramer, Saul, assignor.)

Pangborn Corporation. (See Keefer, Walter L., assignor.)

Pardee, Frank, assignor to Anthracite Separator Company, Hazleton, Pa. Method and apparatus for separating solids of different gravities. 2,205,432; June 25.

Parets, Anthony S., Chicago, Ill. Dispensing container. 2,205,836; June 25.

Parker, Robert P. (See Lecher, H. Z., Parker, and Orem.)

Patterson, Albert M., Jr., and N. S. Riley, Jr., assignors to Bell Aircraft Corporation, Buffalo, N. Y. Vision globe and method of illustrating visibility. 2,205,961; June 25.

Paulsen, Christian, Clifton, N. J., assignor to Ditto, Incorporated, Chicago, Ill. Sheet assembling apparatus. 2,205,433; June 25.

Payzant, Henry H., assignor to General Timber Service, Inc., St. Paul, Minn. Manufacture of laminated structures and materials therefor. 2,205,600; June 25.

Pearce, George W., Jr., Pittsburgh, Pa. Transmission. 2,205,768; June 25.

Pechy, William. (See Murch, J. H., and Pechy.)

Peoples National Bank, The, et al., administrators. (See Musgrave, James R.)

Permold Company, The. (See Fahiman, Everett G., assignor.)

Permutit Company, The. (See Liebknecht, Otto, assignor.)

Peters, Norman J., assignor to Damrow Brothers Company, Fond du Lac, Wis. Movable conductor support. 2,205,665; June 25.

Peterson, Carl D., Toledo, Ohio. Air cooled clutch construction. 2,205,629; June 25.

Peterson, Isaac, Oakland, Calif. Hydraulic shovel. 2,205,490; June 25.

Petricoff, Boris J., Hamilton, Ohio, assignor to The Philip Carey Manufacturing Company. Shredded fibrous stock and making same. 2,205,666; June 25.

Petroleum Conversion Corporation. (See Sachs, Albert P., assignor.)

Petroleum Research Corporation. (See Howard, Roscoe D., assignor.)

Pfanstiehl, Carl, Highland Park, Ill., assignor to Pfanstiehl Chemical Company. Straight line welding. 2,205,931; June 25.

Pfanstiehl Chemical Company. (See Pfanstiehl, Carl, assignor.)

Philadelphia Quartz Company. (See Vail, J. G., and Baker, assignors.)

Phillimore, Charles E., assignor to The Bell & Howell Company, Chicago, Ill. Photographic printing machine. 2,205,540; June 25.

Phillips, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery and its assembly. 2,205,992; June 25.

Phinney, Edward D., Mount Vernon, N. Y., assignor to Process Management Company Inc. Treatment of hydrocarbon oils. 2,205,434; June 25.

Pittsburgh Plate Glass Company. (See Devol, Manson L., assignor.)

Pittsburgh Plate Glass Company. (See Fix, Earl L., assignor.)

Pittsburgh Plate Glass Company. (See Galey, Henry J., assignor.)

Pittsburgh Plate Glass Company. (See Lytle, William O., assignor.)

Pittsburgh Plate Glass Company. (See Owen, William, assignor.)

Pittsburgh Plate Glass Company. (See Stoner, Howard G., assignor.)

Pizzotti, Attilio A., Plymouth, Mass. Bowling pin reconditioning machine. 2,205,541; June 25.

Placco, Oscar, Cranston, R. I. Ornamental device. 2,205,908; June 25.

Place, Willard P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coding apparatus. 2,205,909; June 25.

Ploetz, Ernst. (See Ulrich, H., and Ploetz.)

Plummer, William B., and O. B. Clark, assignors, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Lubricating device. 2,205,667; June 25.

Pointon, John E., and C. Dumbleton, Peterborough, England, assignors to Baker Perkins Incorporated, Saginaw, Mich. Baker's and like oven. 2,205,576; June 25.

Poole, Lora E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Coil retainer. 2,205,822; June 25.

Poor & Company. (See Warr, Harold G., assignor.)

Porcelain Products, Inc. (See Meyer, Edwin M., assignor.)

Process Management Company Inc. (See Phinney, Edward D., assignor.)

Procter & Gamble Company, The. (See Eckey, E. W., and Folzenlogen, assignors.)

Proeger, William L., assignor to Chamberlain, Inc., Chicago, Ill. Mold. 2,205,668; June 25.

Puckette, Charles C., and A. Warrington, Stoke, Coventry, assignors to The General Electric Company Limited, London, England. Switching device for use in telephone systems. 2,205,491; June 25.

Pure Oil Company, The. (See Wagner, Cary R., assignor.)

Pye, Harold C., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Sound translating device and making the same. 2,205,669; June 25.

Pye, Harold C., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Sound translating device. 2,205,670; June 25.

Raber, Irvin H., assignor, by mesne assignments, to Irwin Corporation, Los Angeles, Calif. Broiler. 2,205,435; June 25.

Radio Corporation of America. (See Crosby, Murray G., assignor.)

Radio Corporation of America. (See Fewings, David J., assignor.)

Radio Corporation of America. (See Finch, James L., assignor.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Hasbrouck, Harold J., Jr., assignor.)

Radio Corporation of America. (See Strutt, M. J. O., and Kleynen, assignors.)

Radio Corporation of America. (See Tromp, Theodoor P., assignor.)

Ramsden, John T. (See Wallace, F. R., and Ramsden.)

Randall, John T. (See Breadner, R. L., Randall, and Ryde.)

Rauch, Louis J. and P., Brooklyn, N. Y. Cowl fastener. 2,205,862; June 25.

Rauch, Louis J. and P., Brooklyn, N. Y. Cowl fastener. 2,205,863; June 25.

Rauch, Philip. (See Rauch, Louis J. and P.)

Ravenscroft, Edward A., Glencoe, and F. H. Young, Lake Bluff, assignors to Abbott Laboratories, Chicago, Ill. Capsule making machine. 2,205,837; June 25.

Raybould Coupling Company. (See Raybould, Frank J., assignor.)

Raybould, Frank J., Erie, assignor to Raybould Coupling Company, Meadville, Pa. Coupling compression ring. 2,205,910; June 25.

Raymond Bag Company, The. (See Sharkey, William E., assignor.)

Raytheon Manufacturing Company. (See Spencer, Percy L., assignor.)

Real Silk Hosiery Mills, Inc. (See Cobert, Arthur J., assignor.)

Reda Pump Company. (See Arutunoff, Armais, assignor.)

Redd, William R., Western Springs, assignor to Wm. Wrigley, Jr., Company, Chicago, Ill. Releasable driving means for connecting driving and driven members. 2,205,838; June 25.

Refining, Inc. (See Clayton, B., and Thurman, assignors.)

Reich, Gustave T., Philadelphia, Pa. Recovery of carbon dioxide. 2,205,962; June 25.

Reid, Raymond A., Cedar Rapids, Iowa. Sanding machine. 2,205,492; June 25.

Remington, Leland F., assignor to Curtis & Marble Machine Company, Worcester, Mass. Cloth inspecting machine. 2,205,630; June 25.

Rhodes, Albert J., assignor to American Forging & Socket Company, Pontiac, Mich. Adjustable supporting mechanism. 2,205,696; June 25.

Ricard, Eloi, assignor to les Usines de Melle, Melle, France. Manufacture of formaldehyde by electrosynthesis from carbon monoxide and hydrogen. 2,205,542; June 25.

Rice, John W., Amarillo, Tex. Tailboard. 2,205,823; June 25.

Richards, William H., Dayton, Ohio. Vehicle support assembly. 2,205,436; June 25.

Richter, Henry O., assignor to Norton Company, Worcester, Mass. Adhesive abrasive composition. 2,205,438; June 25.

Rideau, Jean R., and A. M. Ducret, Paris, France. Heating surface. 2,205,543; June 25.

Riley, Nelson S., Jr. (See Patterson, A. M., Jr., and Riley.)

Riley, Reginald H. J. (See Addy, C. W., Riley, and Grinnell.)

Ringler, William A., Wayne, Pa., assignor to National Folding Box Company, New Haven, Conn. Merchandising package. 2,205,437; June 25.

Roberts, Edward F., Rye, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Shoe adjustable to the foot. 2,205,577; June 25.

Robinson, Jack D., Snyder, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Producing nuclear alkyl derivatives of phenols. 2,205,951; June 25.

Ross, Russell W., near Porterville, Calif. Fuel system for engines. 2,205,750; June 25.

Royle, Edwin B., assignor to The Elmco Corporation, Salt Lake City, Utah. Shoveling machine. 2,205,732; June 25.

Ryde, John W. (See Breadner, R. L., Randall, and Ryde.)

Ryerson, Theodore M., et al. (See Collins, Calhoun, assignor.)

Ryisky, Gregory V., New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Inclinometer 2,205,544; June 25.

Sachs, Albert P., New York, assignor to Petroleum Conversion Corporation, Elizabeth, N. J. Making coke from hydrocarbon residues. 2,205,631; June 25.

San Diego Consolidated Gas and Electric Company. (See Goldkamp, Otto B., assignor.)

Sarber, Ira C., assignor to Finnell System, Inc., Elkhart, Ind. Weight balancing mechanism. 2,205,671; June 25.

Satz, Frank, and M. Berns, Los Angeles, Calif. Sanitary brush. 2,205,601; June 25.

Saurer, Anita E., et al., sole heirs. (See Saurer, Hippolyt.)

Saurer-Hegner, Rosina, et al., sole heirs. (See Saurer, Hippolyt.)

Saurer, Hippolyt, deceased, by R. Saurer-Hegner, and A. E. Saurer, sole heirs, assignors to Societe Anonyme Adolphe Saurer, Arbon, Switzerland. Injection internal combustion engine. 2,205,493; June 25.

Sauter, Earl G., Chicago, and F. Notwell, Berwyn, Ill. Means for illuminating levels. 2,205,733; June 25.

Saville, Willie, Huyton, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Spark quenching arrangement. 2,205,602; June 25.

Sawyer, David F., Rock Springs, Wyo. Lighting element and fixture therefor. 2,205,672; June 25.

Scharpenberg, Charles C., Bakersfield, Calif. Tool joint for well drilling. 2,205,697; June 25.

Scheidemantel, Herman B., Muskegon, and H. J. Luth, Muskegon Heights, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Pit mat for bowling alleys. 2,205,802; June 25.

Scheineman, Fred W. (See Bahlke, W. H., and Scheineman.)

Schellens, Christopher A. (See Schellens, Eugene L. and C. A.)

Schellens, Eugene L., Ridgewood, N. J., and C. A. Schellens, Marblehead, Mass., assignors to C-S Engineering Company, Englewood, N. J. High pressure steam generator. 2,205,911; June 25.

Scherenberg, Hans, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Diesel engine. 2,205,751; June 25.

Scherer, Philip C., Jr., Blacksburg, Va. Composition of matter. 2,205,734; June 25.

Scherer, Philip C., Jr., Blacksburg, Va. Composition of matter for the production of insulating materials. 2,205,735; June 25.

Schering-Corporation. (See Jungmann, Karl, assignor.)

Schindler, Carl, assignor to Shallcross Controls, Inc., Milwaukee, Wis. Combustion control system for steam boilers. 2,205,494; June 25.

Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Press. 2,205,673; June 25.

Schmitt, Frank B., San Francisco, Calif. Battery servicing kit. 2,205,495; June 25.

Schmitt, Herman, Sheboygan, Wis. Bolt anchoring device. 2,205,545; June 25.

Schmitt, Joseph I., Houston, Tex. Safety match package. 2,205,698; June 25.

Schneider, Frederick W. M., Chicago, Ill. Ornament and lamp support for use on Christmas trees, etc. 2,205,496; June 25.

Schneider, Wilhelm. (See Wilmanns, G., Schneider, and Froehlich.)

Schnell, Steve, Overland, and B. Dick, Ferguson, assignors to Wagner Electric Corporation, St. Louis, Mo. Brake shoe mounting. 2,205,439; June 25.

Schnur, William V., Glencoe, assignor to P. Becker & Company, Chicago, Ill. Bat. 2,205,578; June 25.

Schoenberg, Mark J., and H. Maximon, New York, N. Y. Educational game. 2,205,440; June 25.

Schoenherr, Hans. (See Hopff, H., and Schoenherr.)

Scholfield, Richard P., Waterford, Conn., assignor to Scholfield Service, Inc., New York, N. Y. Filing apparatus. 2,205,932; June 25.

Scholfield Service, Inc. (See Scholfield, Richard P., assignor.)

Scholz, Caesar. (See Miescher, K., and Scholz.)

Schorle, Herman J., Northampton, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Percussive tool. 2,205,736; June 25.

Schroeder, Conrad J., Kansas City, Mo. C-clamp. 2,205,674; June 25.

Schroeder, Louis W. (See Andler, R. F., and Schroeder.)

Schumacher, Willy. (See Kracker, H., and Schumacher.)

Schunk, Joseph, assignor to The National Lock Washer Company, Newark, N. J. Car window structure. 2,205,993; June 25.

Schwager, August C., San Francisco, A. E. Brock, Burlingame, and R. H. Gerard, Oakland, assignors to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Disconnecting switch. 2,205,497; June 25.

Schwanemann, Otto H., Jr. (See Keely, C. D., and Schwanemann.)

Schwartz, Anthony M., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Alkyl hydroxy aromatic sulphonates. 2,205,949; June 25.

Schwarz, Eugene A., Snyder, and O. Faber, Kenmore, assignors to George L. Squier Manufacturing Company, Buffalo, N. Y. Sugar cane mill. 2,205,632; June 25.

Schwarz, Otto, assignor to R. Hoe & Co., Inc., New York, N. Y. Web supply mechanism. 2,205,498; June 25.

Schwarzkopf, Paul, assignor to American Cutting Alloys, Inc., New York, N. Y. Manufacturing hard faced metal bodies. 2,205,864; June 25.

Schwarzkopf, Paul, assignor to American Electro Metal Corporation, New York, N. Y. Manufacturing alloys, in particular steel alloys. 2,205,865; June 25.

Schweickart, William M., Ramsey, N. J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,205,603; June 25.

Schweitzer, Gerhard, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Capacitive radio frequency voltage divider. 2,205,866; June 25.

Scott, David C., Providence, R. I., assignor to Henry L. Scott Company. Testing machine. 2,205,579; June 25.

Scott, Hazel B., administratrix. (See Arbuckle, S. F., and Coulter.)
Scott, Henry L., Company. (See Scott, David C., assignor.)
Scott, Walter C., Plainfield, N. J. Web replenishing means. 2,205,867; June 25.
Shallcross Controls, Inc. (See Schindler, Carl, assignor.)
Shallish, Albert E., Oakland, Calif. Attachment for filing cabinets. 2,205,824; June 25.
Sharkey, William E., assignor to The Raymond Bag Company, Middletown, Ohio. Bag valve tucking machine. 2,205,633; June 25.
Shell Development Company. (See van Wijk, Willem R., assignor.)
Sher, Samuel, Chicago, Ill. Lamp construction. 2,205,580; June 25.
Sherbondy, William E., Shaker Heights, Ohio. Dispensing apparatus for plastic material. 2,205,604; June 25.
Shirley, James C., Chattanooga, Tenn. Internal combustion engine. 2,205,675; June 25.
Siebert, Arthur. (See Fischer, E., Lang, and Siebert.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Volkmann, Kurt, assignor.)
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Dam forming device. 2,205,752; June 25.
Silvia, Manuel, Newark, N. J. Life-line ratchet. 2,205,933; June 25.
Sizer, Harold S., Pawtucket, R. I., assignor to Associated Patents, Inc. Screw and nut driving connection. 2,205,634; June 25.
Skinner, Riley S., Sentinel, Okla. Closure for containers. 2,205,825; June 25.
Slepian, Arthur. (See Starring, D. S., and Slepian.)
Small, Frederick M., assignor to Martin-Parry Corporation, York, Pa. Cabinet structure. 2,205,826; June 25.
Smit, Pieter, assignor to N. V. Octrooien-Maatschappij "Activit", Amsterdam, Netherlands. Changing the character of solutions by base exchange. 2,205,635; June 25.
Smith, Ashton K., Franklin, La. Cane juice clarifier. 2,205,934; June 25.
Smith, Douglas G. (See Mitchell, Harry R., assignor.)
Smith, Frank M., assignor, by mesne assignments, to Stout Engineering Laboratories, Inc., Dearborn, Mich. Motor vehicle. 2,205,636; June 25.
Smith, George H., Kenmore, N. Y., assignor to The Linde Air Products Company. Cutting metals. 2,205,499; June 25.
Smith, Harry E. (See Caprio, A. F., and Smith.)
Smith, Homer L., Covington, Ky. Wall and floor tiling system. 2,205,700; June 25.
Smulski, Theodore J., Knox, assignor to The Anderson Company, Gary, Ind. Electrical indicating system. 2,205,637; June 25.
Snyder, Charles F., Pittsburgh, Pa. Rubber heel. 2,205,912; June 25.
Societe Anonyme Adolphe Saurer. (See Saurer, Hippolyt, assignor.)
Société Cinoza, Société Anonyme. (See Bernheim, Roger, assignor.)
Society of Chemical Industry in Basle. (See Miescher, K., and Scholz, assignors.)
Solomon, Nathan L., Mount Vernon, N. Y. Hair curler. 2,205,442; June 25.
Soltan, Alexander, Elmhurst, assignor of one-half to P. W. Valentine, Brooklyn, N. Y. Cementing machine. 2,205,443; June 25.
Sooy, Walter E. (See Fisher, H. C., Thompson, and Sooy.)
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Temperature-compensated controlled gaseous discharge tube. 2,206,008; June 25.
Sprenger, Richard, Henningsdorf, near Berlin, Germany, assignor to General Electric Company. Manufacturing gunstocks. 2,205,891; June 25.
Squier, George L., Manufacturing Company. (See Schwarz, E. A., and Faber, assignors.)
Stacy, Thomas F., assignor to The French Oil Mill Machinery Co., Piqua, Ohio. Pump. 2,205,913; June 25.
Staff, Aaron S., New York, N. Y. Knitted fabric. 2,205,581; June 25.
Stafford, Allen D., Chicago, Ill. Barbecuing apparatus. 2,205,914; June 25.
Standard Mfg. Co. (See Batcheller, Hugh W., assignor.)
Standard Oil Company. (See Bahlke, W. H., and Scheineman, assignors.)
Standard Oil Company. (See Thiele, Ernest W., assignor.)
Standard Oil Development Company. (See Kleiber, Carl, assignor.)
Standard Oil Development Company. (See Kuhl, Paul E., assignor.)
Standard Oil Development Company. (See Mikeska, L. A., and Miller, assignors.)
Standard Oil Development Company. (See Sweeney, W. J., and Baldeschwieler, assignors.)
Standard Oil Development Company. (See Wheat, George W., assignor.)
Standard Products Company, The. (See Duffy, George E., assignor.)
Stansbury, Carroll, Wauwatosa, and W. C. Stevens, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controller. 2,205,676; June 25.
Sta-Rite Ginnie Lou, Inc. (See Bolinger, George N., assignor.)
Starring, David S., Greens Farms, and A. Slepian, Trumbull, assignors to Wheeler Insulated Wire Company, Bridgeport, Conn. Spool. 2,205,441; June 25.
State College of Washington Research Foundation. (See Doerner, H. A., and Harris, assignors.)
Stechbart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Sprocket device. 2,205,546; June 25.
Steimel, Karl, Berlin-Steglitz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Sealing glass. 2,205,582; June 25.
Stenroos, Nils E., New Rochelle, N. Y. Leveling attachment for ladders. 2,205,935; June 25.
Stevens, William C. (See Stansbury, C., and Stevens.)
Stewart, Clyde E. (See White, L. D., and Stewart.)
Stewart, George D., Atlanta, Ga. Engine cooling device. 2,205,605; June 25.
Stewart, Robert J., and W. I. Gladfelter, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Can drying machine. 2,205,702; June 25.
Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
Stewart-Warner Corporation. (See Plummer, W. B., and Clark, assignors.)
Stimson, Jonathan C., Chicago, Ill. Reflecting device. 2,205,638; June 25.
Stoner, Howard G., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Combination handle and locking device for doors. 2,205,547; June 25.
Storer, Russell C., Cleveland, Ohio. Egg cleaning device. 2,205,606; June 25.
Stout Engineering Laboratories, Inc. (See Smith, Frank M., assignor.)
Stritter, Karl A., Nahant, Mass. Shoe. 2,205,963; June 25.
Strutt, Maximiliaan J. O., and P. H. J. A. Kleynen, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,205,500; June 25.
Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
Sullivan, Daniel J., Graniteville, Mass. Game. 2,205,936; June 25.
Sullivan, Harry G., De Land, Fla. Display sign. 2,205,937; June 25.
Sunnen, Joseph, Ladue Village, Mo. Safety wrench. 2,205,501; June 25.
Süs, Oskar. (See Neugebaner, W., and Süs.)
Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)
Svrlinga, Paul, Jr., Chicago, Ill. Shoe. 2,205,753; June 25.
Sweeney, William J., Westfield, and E. L. Baldeschwieler, Cranford, N. J., assignors to Standard Oil Development Company. Corrosion inhibitor. 2,205,754; June 25.
Sweetland, Ernest J., Piedmont, Calif. Implement handle. 2,205,769; June 25.
Tabor Manufacturing Company, The. (See Wallace, F. R., and Ramsden, assignors.)
Tagliabue, Charles J., Mfg. Co. (See Fairchild, Charles O., assignor.)
Talon, Inc. (See Chappuis, John A., assignor.)
Taylor, Grace B. (See Donnell, Emerson B., assignor.)
Taylor, William A., Detroit, Mich. Auxiliary bumper for motor vehicles. 2,205,444; June 25.
Taylor, William R., Tacoma, Wash. Sharpening device. 2,205,964; June 25.
Teker, John W., Erie, Pa., assignor to General Electric Company. Bearing lubricating system. 2,205,892; June 25.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Frinz, Kurt, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schweitzer, Gerhard, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Steimel, Karl, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Texas Company, The. (See Deutser, A. J., and Nelson, assignors.)
Texas Company, The. (See Hendrey, Waldersee B., assignor.)
Texas Company, The. (See Layne, Leslie A., assignor.)
Texas Company, The. (See Mangelsdorf, T. A., Anné, and Wilson, assignors.)
Texas Company, The. (See Nelson, R. F., and Hurwitz, assignors.)
Texas Company, The. (See Towne, Charles C., assignor.)
Thege, Edvin O. P., assignor to Aktiebolaget Atlas-Diesel, Stockholm, Sweden. Torsional vibration damper. 2,205,445; June 25.
Thiele, Ernest W., assignor to Standard Oil Company, Chicago, Ill. Motor fuel from wax. 2,205,607; June 25.
Third National Bank, et al., administrators. (See Musgrave, James R.)
Thompson, James F. (See Fisher, H. C., Thompson, and Sooy.)

Thompson, Thomas R. (See Agostineto, Giacomo, assignor.)
Thurman, Benjamin H. (See Clayton, B., and Thurman.)
Tóth, Charles J., Montevideo, Uruguay. Internal combustion engine. 2,205,608; June 25.
Towne, Charles C., Beacon, assignor to The Texas Company, New York, N. Y. Manufacture of polyvalent metal soaps. 2,205,994; June 25.
Townsend, Leonard G., Washington, D. C. Arranging cards in overlapping spaced relation. 2,205,446; June 25.
Tracy, Hayden H., San Francisco, Calif. Lock for hinged windows. 2,205,677; June 25.
Treadwell, M. H., Co. (See Astrom, Carl P., assignor.)
Tromp, Theodoor P., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge tube. 2,205,502; June 25.
Trotman, Herbert, Bayside, N. Y. Drain stopper. 2,205,703; June 25.
Trotter, William, Forest Hills, N. Y., and E. W. Wilkinson, Berkeley, Calif., assignors to Minerals Separation North American Corporation, New York, N. Y. Concentration of comminuted materials from their mixtures. 2,205,503; June 25.
Uhrin, John, Philadelphia, Pa. Apparatus for determining alignment of locomotive smokestack and exhaust pipe. 2,205,803; June 25.
Ulrich, Heinrich, and E. Ploetz, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of amino carboxylic acid nitriles. 2,205,995; June 25.
Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Corrugating a heat-radiating tube. 2,205,893; June 25.
Union Carbide and Carbon Research Laboratories, Inc. (See Jackson, D. R., and Vaughn, assignors.)
Union Starch and Refining Company.. (See King, P. R., and Baker, assignors.)
Union Switch & Signal Company, The. (See Place, Willard P., assignor.)
United Lens Corporation. (See Arbuckle, S. F., and Coulter, assignors.)
United Shoe Machinery Corporation. (See Edwards, Charles E., assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Fossa, Joseph, assignor.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
United Shoe Machinery Corporation. (See Whitaker, Carl F., assignor.)
U S Bobbin & Shuttle Company. (See Wood, Seth, assignor.)
U. S. Electrical Motors, Inc. (See Heyer, Don, assignor.)
United States Envelope Company. (See Heywood, Vincent E., assignor.)
United States Rubber Company. (See Roberts, Edward F., assignor.)
Updegrave, William M., Johnstown, Pa. Apparatus for exercising the eyes. 2,205,965; June 25.
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Signaling circuit. 2,205,504; June 25.
V. Doepp, Philipp, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft Dessau, Dessau, Germany. Brake for aircraft. 2,205,714; June 25.
Vail, James G., Media, and C. L. Baker, Penn Wynne, assignors to Philadelphia Quartz Company, Philadelphia, Pa. Manufacture of silicate-clay suspensions. 2,205,609; June 25.
Valentine, Percy W. (See Soltan, Alexander, assignor.)
Van Ackeren, Joseph, Pittsburgh, Pa., assignor to Koppers Company. Coking retort oven. 2,205,839; June 25.
Van Allen, Lawrence R., Chicago, Ill. Wood impregnation. 2,205,770; June 25.
Van Der Sluys, William, assignor to Chrysler Corporation, Highland Park, Mich. Draft means. 2,205,505; June 25.
Van Der Sluys, William, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Railway vehicle. 2,205,506; June 25.
Van Nes, Wilhelm, Brandenburg, assignor to Arado Flugzeugwerke Gesellschaft mit beschrankter Haftung, Brandenburg (Havel), Germany. Safety control for aircraft. 2,205,610; June 25.
Van Tongeren, Hermannus, Heemstede, Netherlands. Dust collecting plant. 2,205,966; June 25.
Van Wijk, Willem R., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Extraction of olefins. 2,205,996; June 25.
Vaughn Machinery Company, The. (See Nye, Norman H., assignor.)
Vaughn, Thomas H. (See Jackson, D. R., and Vaughn.)
Versoy, Irving R., assignor to The Berger Brothers Company, New Haven, Conn. Front fastening means for corsets. 2,205,771; June 25.
Vining, Vernon E., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Food container. 2,205,781; June 25.
Volkmann, Kurt, Berlin-Charlottenburg, assignor to Seimens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Liquid filled compass. 2,205,548; June 25.
Von Biehler, Arpad, Dessau, Germany, assignor, by mesne assignmens, to General Aniline & Film Corporation, New York, N. Y. Color photography. 2,205,755; June 25.
Von Hassel, George M., Berlin, Germany. Producing free cellulose fiber. 2,205,704; June 25.
Wadsworth, Frank L. O., deceased, by M. M. Wadsworth, administratrix, Pittsburgh, Pa.; said Wadsworth assignor to Ball Brothers Company, Muncie, Ind. Severing mechanism. 2,205,868; June 25.
Wadsworth, Mildred M., administratrix. (See Wadsworth, Frank L. O.)
Wagner, Cary R., assignor to The Pure Oil Company, Chicago, Ill. Converting hydrocarbon gases into liquids. 2,205,583; June 25.
Wagner Electric Corporation. (See Schnell, S., and Dick, assignors.)
Wakeman, Jesse G., Shinhopple, N. Y. Extension leg. 2,205,869; June 25.
Wallace, Clarence R. and R. Burgess, United States Marine Corps. Multiple outlet system for audio-frequencies. 2,205,447; June 25.
Wallace, Frank R., and J. T. Ramsden, assignors to The Tabor Manufacturing Company, Philadelphia, Pa. Dibbling machine. 2,205,997; June 25.
Wallis, Everett S., Princeton, and E. Fernholz, Elizabeth, assignors to Merck & Co. Inc., Rahway, N. J. Isomer of cholesterol and producing the same. 2,205,448; June 25.
Ward, Lawrence T., East Orange, N. J., assignor to Knapp-Monarch Company, St. Louis, Mo. Liquid dispensing device. 2,205,938; June 25.
Warr, Harold G., Park Ridge, assignor to Poor & Company, Chicago, Ill. Tie plate and spring clip. 2,205,584; June 25.
Warrington, Arthur. (See Puckette, C. C., and Warrington.)
Wascige, Charles R., Rueil, France. Supercharger. 2,205,549; June 25.
Wassermann, Günter, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Permanent magnet and producing the same. 2,205,611; June 25.
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Wean Engineering Company, The. (See Wean, R. J., and Keller, assignors.)
Wean, Raymond J., Warren, Ohio, and J. D. Keller, Pittsburgh, Pa., assignors to The Wean Engineering Company, Inc., Warren, Ohio. Method and apparatus for annealing strip. 2,205,915; June 25.
Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Fuel feed system. 2,205,639.; June 25.
Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Material handling apparatus. 2,205,550; June 25.
Weisgerber, Frank J., Aurora, Ill. Match container. 2,205,737; June 25.
Weldon, Thomas G. (See McCann, W. O., and Weldon.)
Wells, Alvin W., Chicago, assignor of one-half to J. W. Wells, Decatur, Ill. Tone modifier device for electrical musical instruments. 2,205,804; June 25.
Wells, Jewell W. (See Wells, Alvin W., assignor.)
Wendt, Herbert C., assignor to Hackney Brothers Body Company, Wilson, N. C. Roof bow for a closed vehicle body. 2,205,640; June 25.
Wescott, William B., Dover, Mass., assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Planographic printing plate. 2,205,998; June 25.
Western Cartridge Company. (See Klipsch, Paul W., assignor.)
Western Cartridge Company. (See Marchand, Joseph L., assignor.)
Western Union Telegraph Company, The. (See Holcomb, Philo, Jr., assignor.)
Western Union Telegraph Company, The. (See Noxon, P. A., and Mitchell, assignors.)
Western Union Telegraph Company, The. (See Wise, Raleigh J., assignors.)
Weyde, Edith, Cologne-Niehl, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Photographic printing paper. 2,205,756; June 25.
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
Westinghouse Electric & Manufacturing Company. (See Forsthoefel, Gregg F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vining, Vernon, E., assignor.)
Wheat, George W., Cedar Grove, N. J., assignor to Standard Oil Development Company. Coke cleaning apparatus. 2,205,757; June 25.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Wide band amplifier and modulation system. 2,205,738; June 25.
Wheeler Insulated Wire Company. (See Starring, D. S., and Slepian, assignors.)
Wheeling Steel Corporation. (See Conner, Guy O., assignor.)
Whitaker, Carl F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sewing machine. 2,205,805; June 25.
White, Addison H., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dielectric material. 2,205,840; June 25.

White, Leo D., Lansdowne, and C. E. Stewart, Upper Darby, Pa., assignors to General Electric Company. Supervisory control system. 2,205,894; June 25.
White, Leo D., Lansdowne, and C. E. Stewart, Upper Darby, Pa., assignors to General Electric Company. Supervisory control system. 2,205,895; June 25.
Whitehall Patents Corporation. (See Morin, Louis H., assignor.)
Whitehurst, George W., Portsmouth, Va. Power unit. 2,205,705; June 25.
Wiener, Leonard S. (See Hoffman, S. K., and Wiener.)
Wilckens, Elbe A. (See Goebel, G., and Wilckens.)
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Header. 2,205,507; June 25.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Header. 2,205,585; June 25.
Wiley, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Treating vinylidene chloride polymers. 2,205,449; June 25.
Williams, Alfred O., assignor to Clark Equipment Company, Battle Creek, Mich. Spring unit. 2,205,586; June 25.
Williams, Claud H., Modesto, Calif. Scraper. 2,205,508; June 25.
Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Telephone system. 2,205,551; June 25.
Wilmanns, Gustav, Wolfen (Kreis Bitterfeld), and W. Schneider, and A. Frochlich, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Photographic filter layer. 2,205,870; June 25.
Wilson, Herman I. (See Mangelsdorf, T. A., Anné, and Wilson.)
Wilson, Paul, D., Danville, Ill. Apparatus for retreading vehicle tires. 2,205,939; June 25.
Wilson, Richard E., Oakland, Calif. Fishing-reel brake. 2,205,641; June 25.
Wilson, Robert A., assignor to Kibele Manufacturing Company, Dallas, Tex. Gas release valve for wells. 2,205,739; June 25.
Winburn, Abraham, Brooklyn, N. Y. Cigarette package. 2,205,509; June 25.
Winkelmann, Herbert A. (See Ide, R. W., Jr., and Winkelmann.)
Wired Radio, Inc. (See Curtis, Richard C., assignor.)
Wise, Charles R., Charleston, W. Va. Rifle magazine. 2,205,967; June 25.
Wise, Raleigh J., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Method of and apparatus for recording signals electrically. 2,205,450; June 25.
Witkin, B. E. (See Marvin, Stanley, assignor.)
Wolff, Oscar M., Chicago, Ill. Net supporting device. 2,205,706; June 25.
Wolfram, Karl, Vollme, Germany. Change-over torque measuring tool for several measuring ranges. 2,205,510; June 25.
Wood, Seth, Pawtucket, R. I., assignor to U S Bobbin & Shuttle Company, Lawrence, Mass. Shuttle. 2,205,612; June 25.
Woodall-Duckham (1920) Limited. (See Gardner, William T., assignor.)
Wooding, Charles S., Jr., Chenoa, Ill. Corn picking machine. 2,205,707; June 25.
Woodruff, James W. (See McGhee, C. R., and Woodruff.)
Woolery, Horace E., St. Paul, Minn. Furnace construction. 2,205,451; June 25.
Worthington Pump and Machinery Corporation. (See Schorle, Herman J., assignor.)
Wright, Denis, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Automatic switch. 2,205,587; June 25.
Wright, Erasmus T., St. Louis, Mo. Folding crib. 2,205,452; June 25.
Wrigley, Wm., Jr., Company. (See Redd, William R., assignor.)
Wunsesh, Julius A., and C. A. Marlies, New York, N. Y., assignors to The Lubri-Zol Development Corporation. Lubricant. 2,205,740; June 25.
Yamagata, Hidesuke, Tokyo, Japan. Refining clayey iron ores. 2,205,896; June 25.
Yoder Company, The. (See Borzym, Alexander, assignor.)
York Oil Burner Co. (See Kraber, Edwin I., assignor.)
Young, Ferdinand H. (See Ravenscroft, E. A., and Young.)
Young, Leonard A., Detroit, Mich. Making nuts. 2,205,871; June 25.
Zap Development Corporation. (See Joyce, Temple N., assignor.)
Zeeb, Elmer G., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Radiator grille. 2,205,453; June 25.
Zemba, John W. (See Britton, E. C., Coleman, and Zemba.)
Zenith Carburetor Company. (See Heftler, M. B., and Cox, assignors.)
Ziegler, Roy, Galt, Ontario, Canada. Spinning ring for spinning machines. 2,205,916; June 25.
Zimmer, Benjamin, Minneapolis, Minn. Egg weighing scale. 2,205,917; June 25.
Zoulfakos, William G., Chicago, Ill. Cigarette holder. 2,205,511; June 25.
Zuckerman, Adolph M. (See Keller, G. M., and Zuckerman.)
Zurbrügg, Emil, assignor to Aluminium-Industrie-Aktien-Gesellschaft, Neuhausen, Switzerland. Pressure vessel for compressed oxygen or oxygen-containing gases. 2,205,708; June 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bearing. C. R. Short. Re. 21,495; June 25.
Brake, Electromagnetic. P. Trombetta. Re. 21,497; June 25.
Clock World. H. Schlacht. Re. 21,494; June 25.
Clutch, Vacuum power. H. J. D. and J. H. K. McCollum. Re. 21,491; June 25.
Gas, Treating an oil. A. E. Harnsberger. Re. 21,487; June 25.
Hydrocarbons, Conversion of. A. V. Grosse. Re. 21,486; June 25.
Lighting device for gas burners. C. S. Stuckenholt and L. Jaros. Re. 21,496; June 25.
Rims, Fabricating. E. J. Lobdell, Jr. Re. 21,490; June 25.
Sheet or signature feeding and gathering. P. E. Kleineberg, P. Schweizer, and A. W. Wilks. Re. 21,489; June 25.
Sugar melts, Treating. D. V. Wadsworth and L. Wickenden. Re. 21,498; June 25.
Switch throwing mechanism, Toy railway. W. E. Haupt. Re. 21,488; June 25.
Typewriting machines. J. F. Peiffer. Re. 21,493; June 25.
Umbrella, Folding. E. Okun. Re. 21,492; June 25.

LIST OF PLANT INVENTIONS

Begonia. H. E. Traver. 406; June 25.
Rose plant. L. B. Coddington. 405; June 25.

LIST OF DESIGN INVENTIONS

Alphabet for forming monograms or similar articles. M. Chernow. 121,183; June 25.
Anvil, Dentist's. W. O. Maitland. 121,221; June 25.
Bag or similar article, Sachet. O. S. Garry. 121,228; June 25.
Bathing suit. M. Solomon. 121,239; June 25.
Boat. A. Saunders. 121,214; June 25.
Bottle. R. Loewy. 121,191; June 25.
Bracelet or similar article. A. Katz. 121,208; June 25.
Brooch or similar article. A. Katz. 121,209; June 25.
Brooch or similar article. L. Wise. 121,215; June 25.
Building. H. J. Sandin and H. H. Hait. 121,213; June 25.
Cap, Container. A. H. Jung. 121,217–18; June 25.
Carton. P. Pierce. 121,196; June 25.
Case, Counter display. T. A. Schutz. 121,172; June 25.
Case, Lipstick. F. McIntosh. 121,249; June 25.
Casing, Combined remote controller and loud-speaker. L. J. Andres. 121,177–80; June 25.
Casing or similar article, Indicator dial. G. E. Ford. 121,189; June 25.
Chain or the like, Initial key. E. S. Mix and H. C. Vaisey. 121,212; June 25.
Chart, Reminder. R. G. Bain. 121,153; June 25.
Clip or similar article of jewelry. I. Z. Joyce. 121,207; June 25.
Clip, Pin. A. Philippe. 121,222; June 25.
Clip, Pin. A. Philippe. 121,251–5; June 25.
Coat. M. Revitz. 121,237; June 25.
Color guide unit for artificial teeth. W. Lambdin. 121,210; June 25.
Comfortable. L. Goodstein. 121,230–1; June 25.
Container for cigarettes or the like. H. S. Berk. 121,182; June 25.
Container for matches and other articles, Single delivery. E. Battellini. 121,226; June 25.
Container for toilet articles. H. H. Harris. 121,190; June 25.
Container server top or similar article. R. Bernhardt. 121,154; June 25.
Cover, Storage battery. S. W. Rolph. 121,225; June 25.
Cup or similar article. I. Darrow. 121,156; June 25.
Dispenser or similar article, Cleansing-film. W. J. Schepp. 121,171; June 25.
Display form for swimming trunks or the like. F. Williams. 121,199; June 25.
Display stand for swimming trunks or the like. F. Williams. 121,200; June 25.
Dress. S. Ancell. 121,241; June 25.
Dress. P. Byrnes. 121,243; June 25.
Dress. K. Rost. 121,257–8; June 25.
Dress. M. A. Rudolph. 121,259; June 25.
Dress. S. Siegel. 121,260; June 25.
Dress ensemble. E. Cutler. 121,227; June 25.
Dress, Panty. S. Landorf. 121,234–5; June 25.
Dress, Panty. S. Landorf. 121,247; June 25.
Fabric or similar article of manufacture, Knitted. H. B. Sheplan. 121,198; June 25.
Fabric or similar article, Textile. M. Turpan. 121,263; June 25.
Fabric, Textile. R. S. Gentile. 121,229; June 25.
Filter unit. I. Horckitz. 121,162; June 25.
Footstock for machine tools. M. A. Hollengreen and R. E. Price. 121,246; June 25.
Grinding machine. M. A. Hollengreen and R. E. Price. 121,245; June 25.
Handbag. I. Pichel. 121,256; June 25.
Handbag, Convertible. E. A. Egerer. 121,159; June 25.
Handkerchief slide. L. J. Hostetter. 121,206; June 25.
Handle for laundry iron or the like. F. Kuhn and L. H. Thomas. 121,164; June 25.
Heater, Vehicle. G. R. Lippitt. 121,236; June 25.
Heel, Shoe. W. H. Nutt. 121,193–5; June 25.
Hinge, Mortise butt. V. Ramey. 121,197; June 25.
Holder or similar article, Broom. J. N. Payne. 121,250; June 25.
Housing for sewing machines, Ruffling attachment. V. J. Sigoda. 121,238; June 25.
Housing for stokers, Hopper mechanism. G. M. Seaman. 121,174; June 25.
Iron, Laundry. F. Kuhn. 121,163; June 25.
Jug. H. G. McKnight. 121,192; June 25.
Lace. R. Dannecker. 121,186; June 25.
Lamp, Reversible. S. Scolaro. 121,173; June 25.
Light fixture, Electric. S. P. Holish. 121,161; June 25.
Locomotive body. O. Kuhler. 121,219; June 25.
Lubricant dispensing apparatus. A. F. Dean. 121,187; June 25.
Luggage catch or similar article. E. Worthington. 121,205; June 25.
Medal. J. Inquisitore. 121,216; June 25.
Meter or similar article, Photographic exposure. P. J. Brownscombe and C. Kertesz. 121,155; June 25.
Mitten. L. R. Stephenson. 121,240; June 25.
Necklace. A. Philippe. 121,223–4; June 25.
Ornament or the like, Radiator. E. W. Mackey. 121,220; June 25.
Ornament, Shoe. P. F. Ashton. 121,152; June 25.
Pendant or similar article. V. Silson. 121,261–2; June 25.
Pendant, Prismatic. I. Levin. 121,211; June 25.
Propeller. M. Fischer. 121,201; June 25.
Pulse count and blood pressure indicating machine, Combination. B. W. and H. S. Williams. 121,264; June 25.
Saddle, Bicycle. B. N. Lobdell. 121,168; June 25.
Shade, Lamp. F. Farinacci. 121,188; June 25.
Shoe. D. Levin. 121,165–7; June 25.
Shoe. J. R. Weyand. 121,175; June 25.
Skate, Roller. J. S. Coldwell and W. F. Nessen. 121,184; June 25.
Slipper or similar article. P. D. Earl. 121,157–8; June 25.
Spectacles, Pair of partially rimless. A. F. Williams. 121,151; June 25.
Spoon or other article of flatware. L. V. M. Helander. 121,160; June 25.
Spoon or other article of flatware. J. R. Price. 121,170; June 25.
Sweater. M. J. Kasper. 121,233; June 25.
Table and seat unit. A. L. Henkel and B. M. Ewing. 121,244; June 25.
Tank, Elevated. G. T. Horton. 121,202–5; June 25.
Temple and end piece, Combination. T. E. Bosworth. 121,242; June 25.
Tire. G. W. Anderson. 121,176; June 25.
Toaster, Bread. E. S. Preston. 121,169; June 25.
Vehicle, Automotive. H. Z. Cutler. 121,185; June 25.
Vending machine. H. S. Benjamin. 121,181; June 25.
Vibrator or the like, Concrete. A. W. Mall. 121,248; June 25.
Warmer, Head. E. C. and E. M. Hemphill. 121,232; June 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF JUNE, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. W. L. Keefer. 2,205,414; June 25.
Adhesive abrasive composition. H. O. Richter. 2,205,438; June 25.
Acids, Preparation of acetylenic. D. R. Jackson and T. H. Vaughn. 2,205,885; June 25.
Air conditioning apparatus. H. B. Hartman. 2,205,831; June 25.
Air conditioning system. F. Conrad. 2,205,744; June 25.
Air conditioning system. C. A. Cummings. 2,206,009; June 25.
Air distributor. S. M. Anderson. 2,205,782; June 25.
Aircraft propulsion. O. Mader. 2,205,625; June 25.
Alarm, Burglar. R. B. Estes. 2,205,945; June 25.
Alkyl derivatives of phenol compounds, Nuclear. L. H. Flett. 2,205,947; June 25.
Alkyl derivatives of phenols, Producing nuclear. J. D. Robinson. 2,205,951; June 25.
(Alkyl-Halo-phenoxy)-halo-dialkyl ethers. G. H. Coleman and C. L. Moyle. 2,205,392; June 25.
Alkyl hydroxy aromatic sulphonates. A. M. Schwartz. 2,205,949; June 25.
Alkyl phenol sulphonates. L. H. Flett. 2,205,946; June 25.
Alkyl phenol sulphonates, Primary. L. H. Flett. 2,205,948; June 25.
Alloy: *See*—
Base metal alloy.
Alloys, in particular steel alloys, Manufacturing. P. Schwarzkopf. 2,205,865; June 25.
Amino ketones, Manufacturing. H. Martin and R. Hirt. 2,205,728; June 25.
Aminotriazines, Production of. J. M. Grim. 2,206,005; June 25.
Amplifier and modulation system, Wide band. H. A. Wheeler. 2,205,738; June 25.
Amusement device. D. R. Fagerholm. 2,205,471; June 25.
Amino carboxylic acid nitriles, Production of. H. Ulrich and E. Ploetz. 2,205,995; June 25.
Animal trap. R. C. Burniey. 2,205,970; June 25.
Antenna, Radio. J. F. Courtney. 2,205,846; June 25.
Antenna supervisory system. K. Fränz. 2,205,881; June 25.
Antidrip device. F. S. Eisaesser. 2,205,687; June 25.
Apparatus for controlling the operation of machine tools using fixed or movable cutters. G. L. Murray. 2,205,959; June 25.
Apparatus for cracking oil. C. E. Kleiber. 2,205,765; June 25.
Apparatus for cracking oil. P. E. Kuhl. 2,205,766; June 25.
Apparatus for determining alignment of locomotive smokestack and exhaust pipe. J. Uhrin. 2,205,803; June 25.
Apparatus for exercising the eyes. W. M. Updegrave. 2,205,965; June 25.
Apparatus for filming of X-ray images. J. Jany. 2,205,853; June 25.
Apparatus for making of contact copies of films. F. Busse. 2,205,615; June 25.
Apparatus for manufacture of tobacco articles. G. Davidson. 2,205,943; June 25.
Apparatus for mixing farinaceous or pulverous materials by means of compressed air. P. Goebels. 2,205,525; June 25.
Apparatus for numbering or marking light-sensitive photographic papers. F. Busse. 2,205,516; June 25.
Apparatus for operating on strand or strip material. N. H. Nye. 2,205,537; June 25.
Apparatus for retreading vehicle tires. P. D. Wilson. 2,205,939; June 25.
Apparatus for the countercurrent extraction of hydrocarbon oil with a solvent. T. A. Mangelsdorf, C. T. Anné and H. I. Wilson. 2,205,986; June 25.
Apparatus for vapor-conditioning wheat. T. E. Forster, Jr. 2,205,814; June 25.
Apparatus for welding. S. E. Leonard, Jr. 2,205,425; June 25.
Assembly for brakes and the like. T. L. Fawick. 2,205,521; June 25.
Attachment for filing cabinets. A. E. Shallish. 2,205,824; June 25.
Attachment for ladders, Leveling. N. E. Stenroos. 2,205,935; June 25.
Attachment for rulers. J. S. Dulczewski. 2,205,621; June 25.
Automatic clutch. C. E. Henriod. 2,205,833; June 25.
Automatic switch. D. Wright. 2,205,587; June 25.
Automobile wheel jack. T. H. Forehand. 2,205,719; June 25.
Awning, Slatted. C. B. Grant. 2,205,721; June 25.
Bag valve tucking machine. W. E. Sharkey. 2,205,633; June 25.
Baling press. A. C. Barrows, H. L. Haines and G. W. Langford. 2,205,460; June 25.
Band blade slicing machine, Multiple. W. W. Hartman. 2,205,527; June 25.
Barbecuing apparatus. A. D. Stafford. 2,205,914; June 25.
Base metal alloy. C. J. Koebel. 2,205,888; June 25.
Bat. W. V. Schnur. 2,205,578; June 25.
Battery and process of its assembly, Storage. J. L. Phillips. 2,205,992; June 25.
Beam structure. C. J. Kavanagh. 2,205,725; June 25.
Bearing. W. J. Conley. 2,205,876; June 25.
Bearing lubricating system. J. W. Teker. 2,205,892; June 25.
Belt preparing tool. J. C. Olsen. 2,205,731; June 25.
Beverage dispensing device. A. Hallberg. 2,205,761; June 25.
Binocular. F. Husar. 2,205,764; June 25.
Bismuth, Recovery of. J. O. Betterton and Y. E. Lebedeff. 2,205,387; June 25.
Bite gauge. J. E. Kovats. 2,205,926; June 25.
Block: *See*—
Cement block. Glass block.
Boiler: *See*—
Solar flash boiler.
Bolt anchoring device. H. Schmitt. 2,205,545; June 25.
Book, Combined check and account. E. B. Dreher. 2,205,715; June 25.
Bottle closure, Nonrefillable. T. F. Kolts. 2,205,567; June 25.
Bowling pin reconditioning machine. A. A. Pizzotti. 2,205,541; June 25.
Brace for automobile rear decks or the like. A. Claud-Mantle. 2,205,682–3; June 25.
Brake: *See*—
Fishing-reel brake.
Brake adjustment, Automatic. G. V. Mabrito. 2,205,889; June 25.
Brake for aircraft. P. V. Doepp. 2,205,714; June 25.
Brake for hoisting reels. H. S. Bell. 2,205,643; June 25.
Brake shoe mounting. S. Schnell and B. Dick. 2,205,439; June 25.
Briquetting machine tamping device. E. J. Byerlein. 2,206,000; June 25.
Broiler. I. H. Raber. 2,205,435; June 25.
Brush holder. G. J. and A. E. Buerosse. 2,205,464; June 25.
Brush, mop, and the like. O. Muckenhirn. 2,205,535; June 25.
Brush, Sanitary. F. Satz and M. Berns. 2,205,601; June 25.
Building block and house number, Combination translucent. P. M. Burroway. 2,205,515; June 25.
Building construction. H. E. Elber and L. M. Druckenbrod. 2,205,519; June 25.
Building construction. A. C. Morgan. 2,205,730; June 25.
Bumper for motor vehicles, Auxiliary. W. A. Taylor. 2,205,444; June 25.
Bumper, Self-releasing vehicle. A. C. de Hoffmann. 2,205,592; June 25.
Burner apparatus, Liquid fuel. E. I. Kraber. 2,205,983; June 25.
C-clamp. C. J. Schroeder. 2,205,674; June 25.
Cabinet construction. G. F. Forsthoefel. 2,205,780; June 25.
Cabinet construction, Refrigerator. G. F. Forsthoefel. 2,205,778–9; June 25.
Cabinet for drawings, plans, and the like, Filing. K. Möbus. 2,205,903; June 25.
Cabinet structure. F. M. Small. 2,205,826; June 25.
Camera cable release. S. Fischer. 2,205,648; June 25.
Camphor, Refining. C. O. Henke and G. Etzel. 2,205,954; June 25.
Can drying machine. R. J. Stewart and W. I. Gladfelter. 2,205,702; June 25.
Cap lock, Vehicle fuel tank. R. E. Bitgood. 2,205,712; June 25.
Capsule making machine. E. A. Ravenscroft and F. H. Young. 2,205,837; June 25.
Carbon dioxide, Recovery of. G. T. Reich. 2,205,962; June 25.
Carburetor. F. O. and T. M. Ball. 2,205,457; June 25.
Carburetor control mechanism. T. M. Ball. 2,205,458; June 25.

Cards in overlapping spaced relation, Arranging. L. G. Townsend. 2,205,446; June 25.
Carrier system, Replacement. R. C. Curtis. 2,205,469; June 25.
Case: *See*—
Specimen case.
Catalytic activity of a metallic nickel hydrogenation catalyst, Preserving the. H. R. Arnold. 2,205,552; June 25.
Cellulose fiber, Producing free. G. M. von Hassel. 2,205,704; June 25.
Cement block. F. Kraemer. 2,205,419; June 25.
Cementing machine. A. Soltan. 2,205,443; June 25.
Chair walker. G. B. Hoag. 2,205,978; June 25.
Chemical compounds B-(ortho-hydroxyphenyl)-isopropylamines. G. Hildebrandt. 2,205,530; June 25.
Cigarette holder. W. G. Zoulfakos. 2,205,511; June 25.
Cigarette package. A. Winburn. 2,205,509; June 25.
Circuit: *See*—
Short-wave resonant circuit. Signaling circuit.
Treadle circuit.
Circuit control device. R. P. Dunmire. 2,205,944; June 25.
Circuit controller. C. Stansbury and W. C. Stevens. 2,205,676; June 25.
Circuit interruption, Electric. D. A. Kelly. 2,205,655; June 25.
Cistern, Flushing. A. R. Palit. 2,205,960; June 25.
Clamp: *See*—
C-clamp.
Clarifier, Cane juice. A. K. Smith. 2,205,934; June 25.
Clay suspensions, Manufacture of silicate. J. G. Vail and C. L. Baker. 2,205,609; June 25.
Clip: *See*—
Tie plate and spring clip.
Clip or the like, Paper. W. J. Gareis. 2,205,524; June 25.
Closure, Container. G. O. Conner. 2,205,685; June 25.
Closure fastener. C. E. Bashe. 2,205,614; June 25.
Closure for containers. R. S. Skinner. 2,205,825; June 25.
Cloth inspecting machine. L. F. Remington. 2,205,630; June 25.
Clothes drier. B. W. Moore. 2,205,904; June 25.
Clutch: *See*—
Automatic clutch.
Clutch and brake mechanism, Combined. L. C. Meyers and C. O. Hersam. 2,205,989; June 25.
Clutch construction, Air cooled. C. D. Peterson. 2,205,629; June 25.
Coal, Washing. W. M. Cross, Jr. 2,205,942; June 25.
Coding apparatus. W. P. Place. 2,205,909; June 25.
Coil retainer. L. E. Poole. 2,205,822; June 25.
Coke cleaning apparatus. G. W. Wheat. 2,205,757; June 25.
Coke from hydrocarbon residues, Making. A. P. Sachs. 2,205,631; June 25.
Collar for animals, Insecticide. F. K. Banks. 2,205,711; June 25.
Color producing composition, Ice. H. Z. Lecher, R. P. Parker, and H. P. Orem. 2,205,663; June 25.
Color producing composition, Stable ice. H. Z. Lecher, F. H. Adams, and H. P. Orem. 2,205,795–6; June 25.
Combination tool. F. S. Horechney. 2,205,979; June 25.
Combustion control system for steam boilers. C. Schindler. 2,205,494; June 25.
Combustion regulator. E. F. Goebel. 2,205,649; June 25.
Compact. S. Kramer. 2,205,974; June 25.
Compass, Liquid filled. K. Volkmann. 2,205,548; June 25.
Composition of matter. P. C. Scherer, Jr. 2,205,734; June 25.
Composition of matter for the production of insulating materials. P. C. Scherer, Jr. 2,205,735; June 25.
Compressor. F. B. Hunt. 2,205,793; June 25.
Compressor outfit. J. W. Jones. 2,205,594; June 25.
Compressor, Unloading. W. H. D. Brouse. 2,205,919; June 25.
Condensation products and their production, Polynuclear. H. Hopff and H. Schoenherr. 2,205,763; June 25.
Condenser assembly. H. L. Hartzell. 2,205,816; June 25.
Connection. Screw and nut driving. H. S. Sizer. 2,205,634; June 25.
Connection, Trailer. G. A. Kendall. 2,205,656; June 25.
Connector. R. A. Goeller. 2,205,474; June 25.
Construction joint. J. E. Carter. 2,205,810; June 25.
Container: *See*—
Dispensing container. Match container.
Food container.
Container attachment. C. L. Lehman. 2,205,726; June 25.
Container cover. D. L. Cohen. 2,205,467; June 25.
Control mechanism for internal combustion engines. S. K. Hoffman and L. S. Wiener. 2,205,651; June 25.
Control system. W. M. Schweickart. 2,205,603; June 25.
Control system, Pneumatic. C. A. Otto. 2,205,930; June 25.
Control system, Supervisory. L. D. White and C. E. Stewart. 2,205,895; June 25.
Conversion products from carbonaceous materials, Production of. O. Liebknecht. 2,206,007; June 25.
Cooking device, Electrical. A. Greenman. 2,205,884; June 25.
Cooling and dehumidifying apparatus. H. J. Kaufman. 2,205,413; June 25.
Copolymers of styrene and 2-chloroallyl esters. E. C. Britton, G. H. Coleman, and J. W. Zemba. 2,205,390; June 25.
Core lifter. F. Miller. 2,205,598; June 25.
Core members on arbors, Assembling. R. M. Johnstone. 2,205,563; June 25.
Corn pickling device. C. S. Wooding, Jr. 2,205,707; June 25.
Corrosion inhibitor. W. J. Sweeney and E. L. Baldeschwieler. 2,205,754; June 25.
Coupler, Car. W. C. Flannery. 2,205,830; June 25.
Coupling compression ring. F. J. Raybould. 2,205,910; June 25.
Court. H. B. Eaton, II. 2,205,398; June 25.
Cover: *See*—
Container cover. Radiator cover.
Covering or finish. V. Lefebure. 2,205,423; June 25.
Cowl fastener. L. J. and P. Rauch. 2,205,862–3; June 25.
Crayon holder. J. H. Oxley. 2,205,907; June 25.
Crib, Folding. E. T. Wright. 2,205,452; June 25.
Cross-flow system. P. R. King and R. D. Baker. 2,205,657; June 25.
Crushing machine. H. C. Griesedieck. 2,205,850; June 25.
Crystal filter. M. G. Crosby. 2,205,847; June 25.
Cup, Sputum. F. V. Cudemo. 2,205,813; June 25.
Curler, Hair. N. L. Solomon. 2,205,442; June 25.
Curtain fixture. J. H. Boye. 2,205,644; June 25.
Cushion, Pin. R. D. Mudgett. 2,205,536; June 25.
Cushion, Seat back. H. A. Campbell. 2,205,465; June 25.
Cutoff mechanism. A. Borzym. 2,205,389; June 25.
Cutter mechanism for needle looms. J. Gabler. 2,205,623; June 25.
Cylinder head. E. G. Fahlman. 2,205,646; June 25.
Dam forming device. W. H. Silver. 2,205,752; June 25.
Damper, Fireplace. G. N. Brunander. 2,205,591; June 25.
Damper, Torsional vibration. W. L. Fischer. 2,205,401; June 25.
Damper, Torsional vibration. E. O. P. Thege. 2,205,445; June 25.
Decanter holding device. A. Cravaritis. 2,205,922; June 25.
Deflector for close coupled oil burners. R. F. Andler and L. W. Schroeder. 2,205,456; June 2.
Demonstration device. R. L. Johnson, R. F. Knapp, P. Cooper, and E. J. Lyon. 2,205,692; June 25.
Density control. J. A. Adams. 2,205,678; June 25.
Device for lubricating rotating cutter blades. C. H. Coolidge. 2,205,617; June 25.
Device for removing dust from clothes. H. R. Mitchell. 2,205,599; June 25.
Device for viewing the interiors of heated enclosures. W. T. Gardner. 2,205,952; June 25.
Diazotype process. W. Neugebauer and O. Sus. 2,205,991; June 25.
Dibbling machine. F. R. Wallace and J. T. Ramsden. 2,205,997; June 25.
Dichloroindanthrone, Preparation of. F. Knowles and W. H. Lycan. 2,205,418; June 25.
Dielectric composition. R. W. Ide, Jr., and H. A. Winkelmann. 2,205,654; June 25.
Dielectric material. A. H. White. 2,205,840; June 25.
Diesel engine. H. Scherenberg. 2,205,751; June 25.
Disconnecting switch. A. C. Schwager, A. E. Brock, and R. H. Gerard. 2,205,497; June 25.
Dispenser: *See*—
Liquid dispenser. Paper dispenser.
Dispensing apparatus for plastic material. W. E. Sherbondy. 2,205,604; June 25.
Dispensing container. A. S. Parets. 2,205,836; June 25.
Dispensing device. J. J. Benner. 2,205,785; June 25.
Display sign. A. Lane, Jr. 2,205,818; June 25.
Display sign. H. G. Sullivan. 2,205,937; June 25.
Distance indication. R. Herzog. 2,205,560; June 25.
Door or hatch construction and adjustable retaining means therefor, Ship. W. R. Cochran. 2,205,845; June 25.
Draft means. W. Van Der Sluys. 2,205,505; June 25.
Drawing mechanism for textile slivers. R. Balmes Solanas. 2,205,701; June 25.
Drier: *See*—
Clothes drier.
Drier for sheeting. W. Owen. 2,205,539; June 25.
Driving means for connecting driving and driven members, Releasable. W. R. Redd. 2,205,838; June 25.
Driving mechanism for wool card strippers. E. Clark. 2,205,920; June 25.
Dust collecting plant. H. van Tongeren. 2,205,966; June 25.
Dyes, Coloring with azo. J. G. Kern. 2,205,416; June 25.
Dyestuffs, Monoazo. H. Kracker, and W. Schumacher. 2,205,481; June 25.
Dyestuffs of the anthraquinone series, Vat. K. Kuppe. 2,205,855; June 25.
Dyestuffs soluble in water, Azo. E. Fischer, O. Lang, and A. Siebert. 2,205,849; June 25.
Dyestuffs soluble in water, Monoazo. E. Fischer. 2,205,848; June 25.

Egg cleaning device. R. C. Storer. 2,205,606; June 25.
Electric lamp. R. L. Breadner, J. T. Randall, and J. W. Ryde. 2,205,809; June 25.
Electric snap switch. A. W. Krieger. 2,205,483; June 25.
Electric switch. A. W. Krieger. 2,205,482; June 25.
Electric switching system. S. S. Matthes. 2,205,927; June 25.
Electrical indicating system. T. J. Smulski. 2,205,637; June 25.
Electrode, Welding. J. V. Caputo. 2,205,680; June 25.
Electromagnetic transmission. J. Elwell. 2,205,688; June 25.
Electron discharge device. M. J. O. Strutt, and P. H. J. A. Kleynen. 2,205,500; June 25.
Electron discharge tube. T. P. Tromp. 2,205,502; June 25.
Electronic generator. D. J. Fewings. 2,205,760; June 25.
Emulsions, suspensions, and like dispersions. L. H. Flett. 2,205,950; June 25.
Engine: *See*—
Diesel engine.
Internal combustion engine.
Engine cooling device. G. D. Stewart. 2,205,605; June 25.
Envelope, Dry-sealing. V. E. Heywood. 2,205,529; June 25.
Esters of unsaturated polyhydroxy estrane. K. Miescher and C. Scholz. 2,205,627; June 25.
Ethers of high molecular carbohydrates, Aralkyl. K. Meinel. 2,205,487; June 25.
Fabric: *See*—
Knitted fabric.
Fan, Reversible. K. D. McMahan. 2,205,902; June 25.
Fastener: *See*—
Closure fastener. Hatch cover fastener.
Cowl fastener.
Fastener. E. B. Lear. 2,205,569; June 25.
Fastening means for corsets, Front. I. R. Versoy. 2,205,771; June 25.
Fats and oils and resulting product, Stabilizing. E. C. Crocker. 2,205,620; June 25.
Faucet. J. F. Cochran. 2,205,684; June 25.
Feed grinding and culturing apparatus. F. K. Chandler. 2,205,898; June 25.
Fiber and drying the same, Dyeing masses of raw. C. R. McGhee and J. W. Woodruff. 2,205,958; June 25.
Fibers and the like, Preparing delustered synthetic. G. D. Graves. 2,205,722; June 25.
Fibrous stock and making same, Shredded. B. J. Petricoff. 2,205,666; June 25.
Filing apparatus. R. P. Scholfield. 2,205,932; June 25.
Filter: *See*—
Crystal filter.
Filter layer, Photographic. G. Wilmanns, W. Schneider and A. Froehlich. 2,205,870; June 25.
Filter screen. T. J. Clark. 2,205,758; June 25.
Fire extinguishing equipment. Le R. Ashmore. 2,205,710; June 25.
Firearm construction. J. L. Marchand. 2,205,857; June 25.
Fishing-reel brake. R. E. Wilson. 2,205,641; June 25.
Flashlight apparatus. P. Olds. 2,205,860; June 25.
Focusing and printing apparatus for photographic enlarging. H. S. Kidwell. 2,205,480; June 25.
Food container. V. E. Vining. 2,205,781; June 25.
Formaldehyde by electrosynthesis from carbon monoxide and hydrogen, Manufacture of. E. Ricard. 2,205,542; June 25.
Fuel feed system. W. H. Weber. 2,205,639; June 25.
Fuel from wax, Motor. E. W. Thiele. 2,205,607; June 25.
Fuel system for engines. R. W. Ross. 2,205,750; June 25.
Fuel vaporizing apparatus for internal combustion engines. A. J. Boatright and A. T. Newman. 2,205,388; June 25.
Furnace construction. H. E. Woolery. 2,205,451; June 25.
Fuse cutout. E. M. Meyer. 2,205,928; June 25.
Game. D. J. Sullivan. 2,205,936; June 25.
Game, Educational. M. J. Schoenberg and H. Maximon. 2,205,440; June 25.
Game, Football. C. D. Keely and O. H. Schwanemann, Jr. 2,205,415; June 25.
Garment hanger. W. A. Nelson. 2,205,489; June 25.
Garment identification. W. S. Hines. 2,205,724; June 25.
Gas, Generating oil. M. M. Brandegee and C. E. Heminger. 2,205,554; June 25.
Gaseous discharge tube, Temperature compensated controlled. P. L. Spencer. 2,206,008; June 25.
Gases into liquids, Converting hydrocarbon. C. R. Wagner. 2,205,583; June 25.
Gauge: *See*—
Bite gauge.
Gauge cleaning device. W. B. Hendrey. 2,206,006; June 25.
Gear shifting means. L. A. Bixby. 2,205,589; June 25.
Generator: *See*—
Electronic generator. Steam generator.
Glass block, Composite cellular. W. O. Lytle. 2,205,534; June 25.
Glass, Safety. L. P. Kyrides. 2,205,420; June 25.
Glass, Sealing. K. Steimel. 2,205,582; June 25.
Glassware, Making hollow. C. B. Garwood. 2,205,382; June 25.
Glazing unit, Double. E. L. Fix. 2,205,522; June 25.
Globe and Illustrating visibility, Vision. A. M. Patterson, Jr. and N. S. Riley, Jr. 2,205,961; June 25.
Grader, Road. F. E. Arndt. 2,205,588; June 25.
Gravel pack in a well bore, Forming a. L. A. Layhe. 2,205,422; June 25.
Grille, Radiator. E. G. Zeeb. 2,205,453; June 25.
Grinding machine, Centerless. R. H. Cramer. 2,205,468; June 25.
Gun, Machine. J. L. Lochhead. 2,205,426; June 25.
Gunstocks, Manufacturing. R. Sprenger. 2,205,891; June 25.
(Halo-phenoxy)-halo-dialkyl ethers. G. H. Coleman and C. L. Moyle. 2,205,393; June 25.
Handle: *See*—
Implement handle.
Handle and latch mechanism, Streamline. B. J. Councilman. 2,205,618; June 25.
Handle and locking device for doors, Combination. H. G. Stoner. 2,205,547; June 25.
Handle for cooking utensils. D. R. Mattoon. 2,205,819; June 25.
Hanger: *See*—
Garment hanger.
Hatch cover fastener. W. M. Dwyer. 2,205,556; June 25.
Head, Extruding. G. E. Duffy. 2,205,518; June 25.
Headband, Adjustable. F. M. Bowers. 2,205,741–2; June 25.
Header. R. L. Wilcox. 2,205,507; June 25.
Header. R. L. Wilcox. 2,205,585; June 25.
Heat exchange apparatus. O. A. Olson, Jr. 2,205,431; June 25.
Heater and air conditioner, Unit. C. A. Dunham and D. N. Crosthwait, Jr. 2,205,716; June 25.
Heating surface. J. R. Rideau and A. M. Ducret. 2,205,543; June 25.
Heel, Rubber. C. F. Snyder. 2,205,912; June 25.
Hinge. B. S. Bernhard. 2,205,786; June 25.
Hinge. C. Colucci. 2,205,396; June 25.
Hinge connection. A. Boenecke. 2,205,969; June 25.
Hinge, Extrusion. C. H. Lindsay. 2,205,484; June 25.
Hog ring clinching tool. J. T. Green. 2,205,690; June 25.
Holder: *See*—
Brush holder. Crayon holder.
Cigarette holder. Tool holder.
Housings, Method and apparatus for straightening. A. Arutunoff. 2,205,783–4; June 25.
Hydraulic press. R. W. Dinzl. 2,205,791; June 25.
Hydraulic transmission. W. Ferris. 2,205,647; June 25.
Ignition system and magneto therefor. H. B. Holthouse. 2,205,561; June 25.
Implement handle. E. J. Sweetland. 2,205,769; June 25.
Inclinometer. E. B. Donnell. 2,206,003; June 25.
Inclinometer. D. B. Monroe. 2,205,729; June 25.
Inclinometer. G. V. Rylsky. 2,205,544; June 25.
Indicating device. J. Hencz. 2,205,775; June 25.
Induction apparatus. S. E. Leonard, Jr. 2,205,424; June 25.
Ink, Method and apparatus for drying printed. W. H. Brunkow. 2,205,391; June 25.
Insulating building and like structures. J. L. Finck. 2,205,829; June 25.
Internal combustion engine. J. C. Shirley. 2,205,675; June 25.
Internal combustion engine. C. J. Tóth. 2,205,608; June 25.
Internal combustion engine, Injection. H. Saurer. 2,205,493; June 25.
Isomer of cholesterol and producing the same. E. S. Wallis and E. Fernholz. 2,205,448; June 25.
Jack: *See*—
Automobile wheel jack. Lifting jack.
Jack or dolly, Automobile tire. L. L. Judge. 2,205,746; June 25.
Jewelry. R. C. Bangs. 2,105,918; June 25.
Joint: *See*—
Construction joint.
Joint construction. R. E. Klages. 2,205,981; June 25.
Joint for well drilling, Tool. C. C. Scharpenberg. 2,205,697; June 25.
Key, Clarinet. H. E. O'Brien. 2,205,695; June 25.
Kit, Battery servicing. F. B. Schmitt. 2,205,495; June 25.
Kitchen tool. G. Agostineto. 2,205,379; June 25.
Knitted fabric. A. S. Staff. 2,205,581; June 25.
Ladle. C. P. Astrom. 2,205,940; June 25.
Laminated structures and materials therefor, Manufacture of. H. H. Payzant. 2,205,600; June 25.
Lamp: *See*—
Electric lamp.
Lamp. S. F. Arbuckle and G. H. Coulter. 2,205,642; June 25.
Lamp construction. S. Sher. 2,205,580; June 25.
Latch mechanism. O. G. Dennison. 2,205,973; June 25.
Laundry press. S. Marvin. 2,205,597; June 25.
Layboy, Continuous. G. E. Lamb. 2,205,767; June 25.
Leg, Extension. J. G. Wakeman. 2,205,869; June 25.
Levels, Means for illuminating. W. G. Sauter and F. Notwell. 2,205,733; June 25.

Lifter: *See*—
Core lifter.
Lifting jack. A. L. Johnson. 2,205,691; June 25.
Lighter, Electric candle. W. R. Lamm. 2,205,856; June 25.
Lighting element and fixture therefor. D. F. Sawyer. 2,205,672; June 25.
Lipstick construction. G. N. Bolinger. 2,205,808; June 25.
Liquid controlled device. C. Collins. 2,205,811; June 25.
Liquid dispenser. J. M. Coffey and R. C. English. 2,205,875; June 25.
Liquid dispensing device. L. T. Ward. 2,205,938; June 25.
Lock: *See*—
Cap lock.
Lock for hinged windows. H. H. Tracy. 2,205,677; June 25.
Lock for railway switches, Safety. W. T. Hardy. 2,205,526; June 25.
Lubricant. J. A. Wunsch and C. A. Marlies. 2,205,740; June 25.
Lubricant containing organic sulphides. L. A. Mikeska and F. L. Miller. 2,205,858; June 25.
Lubricant, Pipe thread. R. F. Nelson and W. S. Hurwitz. 2,205,990; June 25.
Lubricating apparatus. E. W. Davis. 2,205,759; June 25.
Lubricating device. W. B. Plummer and O. B. Clark. 2,205,667; June 25.
Lubricator. M. B. Heftler and P. G. Cox. 2,205,559; June 25.
Luminescent compound and making the same. T. E. Foulke. 2,205,815; June 25.
Lure, Fish. D. R. Fagerholm. 2,205,472; June 25.
Lure, Fish. L. J. Fox. 2,205,773; June 25.
Machine for making fastener stringers. J. A. Chappuis. 2,205,616; June 25.
Machine for making paper bags. A. Finke. 2,205,718; June 25.
Machine tool. A. F. Bennett and G. B. Hirsch. 2,205,462; June 25.
Magnesium, Producing. R. C. Kirk. 2,205,659; June 25.
Magnesium, Production of. R. C. Kirk. 2,205,658; June 25.
Magnesium, Production of. R. C. Kirk. 2,205,660; June 25.
Magnet and producing the same, Permanent. G. Wassermann. 2,205,611; June 25.
Maleic anhydride, Manufacture of. H. B. Foster and J. H. Crowell. 2,205,402; June 25.
Marking machine. C. E. Edwards. 2,205,399; June 25.
Mat for bowling alleys, Pit. H. B. Scheidemantel and H. J. Luth. 2,205,802; June 25.
Match container. F. J. Weisgerber. 2,205,737; June 25.
Match package, Safety. J. I. Schmitt. 2,205,698; June 25.
Material, Building covering. L. H. Mattes. 2,205,798; June 25.
Material for therapeutic purposes capable of swelling in water, and preparing same. K. Jungmann. 2,205,886; June 25.
Material handling apparatus. W. G. Wehr. 2,205,550; June 25.
Material, Making decorative. A. F. Caprio and H. F. Smith. 2,205,466; June 25.
Material, Slitting flexible. R. M. Johnstone. 2,205,564; June 25.
Materials from their mixtures, Concentration of comminuted. W. Trotter and E. W. Wilkinson. 2,205,503; June 25.
Measuring device to determine the symmetrical size of extremities. F. E. Mason. 2,205,626; June 25.
Mechanism control. C. S. McCarthy. 2,205,987; June 25.
Mechanism for the interconversion of reciprocation and rotation. E. S. Hall. 2,205,953; June 25.
Metal bodies, Manufacturing hard faced. P. Schwarzkopf. 2,205,864; June 25.
Metal, Cutting or flame-machining. W. B. Nicholson and E. P. Jones. 2,205,890; June 25.
Metals and alloys, Production of. C. W. and C. C. Balke. 2,205,386; June 25.
Metals, Cutting. G. H. Smith. 2,205,499; June 25.
Metals, Extraction of. A. Kissock. 2,205,565; June 25.
Mill: *See*—
Sugar cane mill.
Modulating system, Double balanced. R. S. Caruthers. 2,205,843; June 25.
Modulation system. J. L. Finch. 2,205,880; June 25.
Moistureproofing. J. A. Mitchell. 2,205,428; June 25.
Mold. W. L. Proeger. 2,205,668; June 25.
Mold drying method and apparatus. H. F. Hagemeyer. 2,205,650; June 25.
Molded articles, Making. A. W. Merrick. 2,205,488; June 25.
Motor control apparatus, Electric. C. Brongersma. 2,205,787; June 25.
Motor vehicle. F. M. Smith. 2,205,636; June 25.
Mounting: *See*—
Brake shoe mounting.
Movable conductor support. N. J. Peters. 2,205,665; June 25.
Net supporting device. O. M. Wolff. 2,205,706; June 25.
Nitrosamine addition product. J. G. Kern. 2,205,417; June 25.
Nozzle, Automatic hose. G. Lengacher. 2,205,727; June 25.
Nuts, Making. L. A. Young. 2,205,871; June 25.
Oil, Fluorescent hydrocarbon. H. Hopff and H. Schoenherr. 2,205,408; June 25.
Oil from cottonseed oil, Preparation of winter. E. W. Eckey and R. G. Folzenlogen. 2,205,381; June 25.
Oil refining. W. H. Bahlke and F. W. Scheineman. 2,205,613; June 25.
Oil, Refining mineral. R. D. Howard. 2,205,411; June 25.
Oil sulphonates and manufacture, Liquid mineral. A. P. Frame. 2,205,924; June 25.
Oil well equipment. J. H. McEvoy and J. H. Howard. 2,205,988; June 25.
Oils, Refining animal and vegetable. B. Clayton and B. H. Thurman. 2,205,971; June 25.
Oils, Treating hydrocarbon. R. D. Howard. 2,205,410; June 25.
Oils, Treatment of hydrocarbon. E. D. Phinney. 2,205,434; June 25.
Olefins, Extraction of. W. R. Van Wijk. 2,205,996; June 25.
Operating mechanism for load brake devices. B. H. Browall. 2,205,514; June 25.
Ores, Concentrating. H. A. Doerner and D. L. Harris. 2,205,923; June 25.
Ores, Refining clayey iron. H. Yamagata. 2,205,896; June 25.
Ornament and lamp support for use on Christmas trees, etc. F. W. M. Schneider. 2,205,496; June 25.
Ornamental device. O. Placco. 2,205,908; June 25.
Oscillative indicating instrument. G. B. Moross. 2,205,574; June 25.
Outlet system for audio frequencies, Multiple. C. R. Wallace and R. Burgess. 2,205,447; June 25.
Oven, Baker's and like. J. E. Pointon and C. Dumbleton 2,205,576; June 25.
Oven, Coking retort. J. van Ackeren. 2,205,839; June 25.
Package, Merchandising. W. A. Ringler. 2,205,437; June 25.
Pad: *See*—
Pressure-applying pad.
Pantie construction. M. C. Fridolph. 2,205,745; June 25.
Paper dispenser. N. B. Currier. 2,205,645; June 25.
Paper-making machine. S. Milne. 2,205,693; June 25.
Paper, Photographic printing. E. Weyde. 2,205,756; June 25.
Paper, Waterproof and greaseproof. H. C. Fisher, J. F. Thompson, and W. E. Sooy. 2,205,557; June 25.
Pastry or dough rolling apparatus. H. L. Butman. 2,205,842; June 25.
Pencil attachment. J. R. Musgrave. 2,205,929; June 25.
Percussive tool. H. J. Schorle. 2,205,736; June 25.
Photoelectric indicating controller. C. O. Fairchild. 2,205,777; June 25.
Photographic printing machine. C. E. Phillimore. 2,205,540; June 25.
Photography, Color. A. Von Biehler. 2,205,755; June 25.
Piano-organ, Electronic. J. Markowitz. 2,205,571; June 25.
Pigments in film-forming vehicles, Dispersion of. A. J. Lapointe. 2,205,985; June 25.
Pin spot. E. W. and J. A. Achenbach. 2,205,454; June 25.
Pipe arrangement for locomotives, Steam. L. L. Neebe. 2,205,800; June 25.
Pipe construction. R. S. Blair. 2,205,553; June 25.
Pitting machine, Automatic. E. P. Drake. 2,205,397; June 25.
Planographic printing press. W. B. Wescott. 2,205,998; June 25.
Plow hitch control. H. E. Covert. 2,205,619; June 25.
Plug: *See*—
Well pipe plug.
Power driving mechanism. G. L. McCain. 2,205,486; June 25.
Power on high-frequency energy lines, Measuring. W. Buschbeck. 2,205,873; June 25.
Power transmission. W. T. Dunn and T. Iavelli. 2,205,470; June 25.
Power transmission. O. E. Fishburn. 2,205,473; June 25.
Power transmission. E. R. Maurer. 2,205,485; June 25.
Power unit. G. W. Whitehurst. 2,205,705; June 25.
Power unit, Electric motor driven. D. Heyer. 2,205,977; June 25.
Preoiling system. A. L. Couty. 2,205,812; June 25.
Press: *See*—
Baling press. Planographic printing press.
Hydraulic press. Printing press.
Laundry press.
Press. T. F. Kohl. 2,205,532; June 25.
Press. O. C. Schmidt. 2,205,673; June 25.
Pressure-applying pad. S. J. Finn. 2,205,400; June 25.
Pressure device for hydraulic brakes. J. Bélenkij. 2,205,806; June 25.
Printing machine. G. M. Keller and A. M. Zuckerman. 2,205,980; June 25.

Printing press. G. Goebel and E. A. Wilckens. 2,205,720; June 25.
Printing press. M. Kollner. 2,205,566; June 25.
Product possessing sterilizing properties and method of application. L. H. Flett. 2,205,558; June 25.
Profilograph. M. L. Devol. 2,205,517; June 25.
Propeller, Aircraft. P. Landrum. 2,205,835; June 25.
Protective device. H. B. Davis. 2,205,972; June 25.
Pump: *See*—
Toy pump.
Pump. T. F. Stacy. 2,205,913; June 25.
Pump for liquid pressure remote control systems. F. V. Brown. 2,205,828; June 25.
Push-button control, Mechanical. J. H. Clements. 2,205,844; June 25.
Rack: *See*—
Shoe rack.
Radiator. H. C. Kromas. 2,205,984; June 25.
Radiator cover. H. T. Kraft. 2,205,661; June 25.
Radiator to a transmission line, Arrangement for matching a high frequency. W. Buschbeck. 2,205,874; June 25.
Radio autograph. C. M. Kehm. 2,205,531; June 25.
Radio control, Push button. J. O. Almen. 2,205,968; June 25.
Railway vehicle. R. N. Janeway. 2,205,478; June 25.
Railway vehicle. W. Van Der Sluys. 2,205,506; June 25.
Rake. N. E. Brooke. 2,205,827; June 25.
Ratchet, Life-line. M. Silvia. 2,205,933; June 25.
Razor. L. Kuhnl. 2,205,568; June 25.
Razor, Safety. H. D. Bowman. 2,205,590; June 25.
Reaction products of organic bases and hydrofluosilicic acid. L. J. Christmann and D. W. Jayne, Jr. 2,205,789; June 25.
Receiver, Entertainment. J. C. Batchelor. 2,205,461; June 25.
Receiver, Ultra-high frequency. H. E. Hollmann. 2,205,475; June 25.
Receiver, Variable band width. C. W. Hansell. 2,205,762; June 25.
Rectifier and producing same, Dry plate. F. Brunke. 2,205,897; June 25.
Reflecting device. J. C. Stimson. 2,205,638; June 25.
Regulating arrangement for high frequency receivers. H. Johannson. 2,205,562; June 25.
Regulator: *See*—
Combustion regulator.
Relief valve. W. T. Birch. 2,205,463; June 25.
Resin and making same, Phenol-urea. K. Loos. 2,205,427; June 25.
Rheostat switch. H. W. Batcheller. 2,205,380; June 25.
Rifle magazine. C. R. Wise. 2,205,967; June 25.
Ring: *See*—
Coupling compression ring.
Ring for spinning machines, Spinning. R. Ziegler. 2,205,916; June 25.
Rivet setting device. J. W. Bowersox. 2,205,772; June 25.
Rod processing equipment, Welding. J. R. Morrison. 2,205,628; June 25.
Roof bow for a closed vehicle body. H. C. Wendt. 2,205,640; June 25.
Roofing and fastening means therefor. J. Farkas. 2,205,520; June 25.
Rubber, Production of synthetic. J. J. Earshen. 2,205,699; June 25.
Safety control for aircraft. W. van Nes. 2,205,610; June 25.
Safety wrench. J. Sunnen. 2,205,501; June 25.
Salt, Iodized. R. E. Berry. 2,205,872; June 25.
Sandal. E. Cohen. 2,206,001; June 25.
Sanding machine. R. A. Reid. 2,205,492; June 25.
Sanitary disposition of fecal and other refuse materials. G. O. Harm. 2,205,405; June 25.
Scale, Egg weighing. B. Zimmer. 2,205,917; June 25.
Scattering device. W. O. McCann and T. G. Weldon. 2,205,572; June 25.
Scraper. C. H. Williams. 2,205,508; June 25.
Screen: *See*—
Filter screen.
Seal, Shackle. W. M. Brooks. 2,205,841; June 25.
Seats, Folding bleacher. P. E. Horn. 2,205,624; June 25.
Severing mechanism. F. L. O. Wadsworth. 2,205,868; June 25.
Sewing machine. O. R. Haas. 2,205,383; June 25.
Sewing machine. C. F. Whitaker. 2,205,805; June 25.
Sharpening device. W. R. Taylor. 2,205,964; June 25.
Shaving implement. J. Muros. 2,205,905; June 25.
Shear guide for cutting cloth. M. Breth. 2,205,743; June 25.
Sheet assembling apparatus. C. Paulsen. 2,205,433; June 25.
Sheet feeding machine. C. E. Clarke. 2,205,921; June 25.
Shield, Hand. V. M. Kinkis. 2,205,957; June 25.
Shingle. C. F. Ames, Jr. 2,205,679; June 25.
Shoe. K. A. Stritter. 2,205,963; June 25.
Shoe. P. Svrlinga, Jr. 2,205,753; June 25.
Shoe adjustable to the foot. E. F. Roberts. 2,205,577; June 25.
Shoe rack. C. H. Kramb. 2,205,817; June 25.
Short-wave resonant circuit. H. E. Hollmann. 2,205,852; June 25.
Shovel, Hydraulic. I. Peterson. 2,205,490; June 25.
Shoveling machine. E. B. Royle. 2,205,732; June 25.
Shuttle. S. Wood. 2,205,612; June 25.
Shuttle stopping device, Electromagnetic. B. W. Jones. 2,205,900; June 25.
Sign: *See*—
Display sign.
Signal light switch. L. Mayer. 2,205,664; June 25.
Signals electrically, Method and apparatus for recording. R. J. Wise. 2,205,450; June 25.
Signaling circuit. R. Urtel. 2,205,504; June 25.
Silencing device for pulsating gases. A. S. Chipley. 2,205,899; June 25.
Silver from spent photographic solutions, Recovery of. G. P. Ham. 2,205,792; June 25.
Skate attachment. E. G. Jahnke. 2,205,412; June 25.
Skate marking device, Roller. W. T. Cain. 2,205,713; June 25.
Slider for separable fasteners. L. H. Morin. 2,205,694; June 25.
Soap, Manufacture of polyvalent metal. A. J. Deutser and R. F. Nelson. 2,206,002; June 25.
Soaps, Manufacture of polyvalent metal. C. C. Towne. 2,205,994; June 25.
Socket, Electrical. H. H. Eby. 2,205,878; June 25.
Solar flash boiler. C. G. Abbot. 2,205,378; June 25.
Solids of different gravities, Method and apparatus for separating. F. Pardee. 2,205,432; June 25.
Solutions by base exchange, Changing the character of. P. Smit. 2,205,635; June 25.
Sound records, Process and device for the reproduction of fixed density. R. Bernheim. 2,205,513; June 25.
Sound reproduction. H. J. Hasbrouck, Jr. 2,205,528; June 25.
Sound translating device. H. C. Pye. 2,205,670; June 25.
Sound translating device and making the same. H. C. Pye. 2,205,669; June 25.
Sound translating device supporting assembly. H. F. Obergfell. 2,205,906; June 25.
Spark quenching arrangement. W. Saville. 2,205,602; June 25.
Specimen case. J. C. Ehrlich. 2,205,686; June 25.
Speed controlling device. J. Fossa. 2,205,622; June 25.
Speed power unit, Variable. D. Heyer. 2,205,976; June 25.
Speed power unit, Ventilated, variable. D. Heyer. 2,205,975; June 25.
Speed transmission, Variable. C. E. Henriod. 2,205,832; June 25.
Spool. D. S. Starring and A. Slepian. 2,205,441; June 25.
Spray composition. G. H. Coleman and C. L. Moyle. 2,205,394; June 25.
Spring unit. A. O. Williams. 2,205,586; June 25.
Sprocket device. B. Stechbart. 2,205,546; June 25.
Stair construction. J. R. O'Donnell. 2,205,859; June 25.
Stamp and method of forming. F. W. Humphner. 2,205,956; June 25.
Stapling device. M. Abrams. 2,205,709; June 25.
Stapling machine, Electric. J. J. Oussani. 2,205,861; June 25.
Steam generator, High pressure. E. L. and C. A. Schellens. 2,205,911; June 25.
Steering mechanism for agricultural implements. W. R. Frank. 2,205,403; June 25.
Still construction. L. H. Hosbein. 2,205,776; June 25.
Stimulant, Plant growth. J. Bjorksten. 2,205,807; June 25.
Stock-and-barrel assembly for firearms. P. W. Klipsch. 2,205,982; June 25.
Stocking. A. J. Cobert. 2,205,790; June 25.
Stoker. N. M. Lower. 2,205,596; June 25.
Stopper, Drain. H. Trotman. 2,205,703; June 25.
Strap cutting machine. M. P. Medwick and M. A. Eula. 2,205,573; June 25.
Stretcher, Curtain. A. F. McBryde. 2,205,820; June 25.
Strip, Method and apparatus for annealing. R. J. Wean and J. D. Keller. 2,205,915; June 25.
Sugar cane mill. E. A. Schwarz and O. Faber. 2,205,632; June 25.
Supercharger. C. R. Wasoige. 2,205,549; June 25.
Supervisory control system. L. D. White and C. E. Stewart. 2,205,894; June 25.
Support: *See*—
Movable conductor support.
Supporting mechanism, Adjustable. A. J. Rhodes. 2,205,696; June 25.
Surface cleaning tool. R. E. Dunbar. 2,205,877; June 25.
Switch: *See*—
Automatic switch. Electric switch.
Disconnecting switch. Rheostat switch.
Electric snap switch. Signal light switch.
Switching device for use in telephone systems. C. C. Puckette and A. Warrington. 2,205,491; June 25.
Table: *See*—
Typewriter table.
Tailboard. J. W. Rice. 2,205,823; June 25.
Tanning. G. D. Graves. 2,205,882–3; June 25.
Tanning. J. S. Kirk. 2,205,901; June 25.
Tape for separable fasteners. J. C. Lewis. 2,205,570; June 25.

Telegraph apparatus, Printing. P. A. Noxon and J. I. Mitchell. 2,205,430; June 25.
Telegraph system, Multichannel. P. Holcomb, Jr. 2,205,406; June 25.
Telephone system. S. B. Williams. 2,205,551; June 25.
Temperature control mechanism. J. H. Murch and W. Pechy. 2,205,429; June 25.
Temperature control of catalytic operations. E. J. Houdry. 2,205,409; June 25.
Temperature cycling. C. W. Hansell. 2,205,851; June 25.
Tentering machine. H. Lacey. 2,205,749; June 25.
Tester, Flashlight and electrical. W. M. James. 2,205,477; June 25.
Testing machine. D. C. Scott. 2,205,579; June 25.
Textile apparatus. C. W. Addy, R. H. J. Riley, and R. J. Grinnell. 2,205,455; June 25.
Textile materials, Coloring. J. G. Kern. 2,205,887; June 25.
Tie, Form. F. La Grotta. 2,205,662; June 25.
Tie plate and spring clip. H. G. Warr. 2,205,584; June 25.
Tile scoring and breaking device. F. A. Fedon. 2,205,717; June 25.
Tiling system, Wall and floor. H. L. Smith. 2,205,700; June 25.
Titanium and alloys thereof, Manufacturing. W. Kroll. 2,205,854; June 25.
Tone modifier device for electrical musical instruments. A. W. Wells. 2,205,804; June 25.
Tool: *See*—
Belt preparing tool. Machine tool.
Combination tool. Percussive tool.
Hog ring clinching tool. Surface cleaning tool.
Kitchen tool.
Tool fixture, Machine. J. F. McMenamin. 2,205,799; June 25.
Torque converter and clutch, Turbine. J. Jandasek. 2,205,794; June 25.
Tool for several measuring ranges, Change-over torque measuring. K. Wolfram. 2,205,510; June 25.
Tool holder. H. J. Fausnaugh. 2,205,879; June 25.
Tool-holding means. J. T. Hiscock. 2,205,955; June 25.
Toy, Circular racing. J. S. Bardega. 2,205,459; June 25.
Toy, Monorail. J. J. Clark. 2,205,941; June 25.
Toy pump. H. F. Klauss. 2,205,747; June 25.
Traction apparatus for motor vehicles. A. L. Fischer. 2,205,689; June 25.
Transforming apparatus. R. B. Hunter. 2,205,476; June 25.
Transmission. R. Lapsley. 2,205,595; June 25.
Transmission. G. W. Pearce, Jr. 2,205,768; June 25.
Trap: *See*—
Animal trap.
Treadle circuit. B. Cooper. 2,205,555; June 25.
Truck. L. G. Bartlett and H. B. Holthouse. 2,205,999; June 25.
Truck body. W. C. Nabors. 2,205,575; June 25.
Truck, Delivery. R. D. Hansen. 2,205,723; June 25.
Tube: *See*—
Electron discharge tube. Gaseous discharge tube.
Tube, Corrugating a heat-radiating. M. Unger. 2,205,893; June 25.
Tubing, Method and apparatus for forming multiply. C. A. Nichols. 2,205,821; June 25.
2-Chloroallyl ethers of phenols. G. H. Coleman. 2,205,393; June 25.
Tympano. Le R. J. Jeffries. 2,205,593; June 25.
Typewriter table. C. A. Ford. 2,206,004; June 25.
Valve: *See*—
Relief valve.
Valve. O. B. Goldkamp. 2,205,774; June 25.
Valve and valve member. J. D. Langdon. 2,205,533; June 25.
Valve construction. L. A. Camerota. 2,205,788; June 25.
Valve control. C. D. Anderson, Jr. 2,205,512; June 25.
Valve for wells, Gas release. R. A. Wilson. 2,205,739; June 25.
Valve operator, Flush. T. P. Newman. 2,205,801; June 25.
Vehicle: *See*—
Motor vehicle. Railway vehicle.
Vehicle body structure and assembly. J. Ledwinka. 2,205,797; June 25.
Vehicle support assembly. W. H. Richards. 2,205,436; June 25.
Vehicle wheel. H. J. Horn. 2,205,652; June 25.
Vehicle wheel. J. H. Hunt and H. J. Horn. 2,205,653; June 25.
Vermicelli, Manufacturing. C. T. Him. 2,205,834; June 25.
Vessel for compressed oxygen or oxygen-containing gases, Pressure. E. Zurbrügg. 2,205,708; June 25.
Vinylidene chloride polymers, Treating. R. M. Wiley. 2,205,449; June 25.
Vitamin concentrate, Fat soluble. K. C. D. Hickman. 2,205,925; June 25.
Voltage divider, Capacitive radio frequency. G. Schweitzer. 2,205,866; June 25.
Wall, Sweatproof masonry. W. C. Fuller. 2,205,404; June 25.
Watchcase construction. L. Hoffer. 2,205,407; June 25.
Web replenishing means. W. C. Scott. 2,205,867; June 25.
Web supply mechanism. O. Schwarz. 2,205,498; June 25.
Weight balancing mechanism. I. C. Sarber. 2,205,671; June 25.
Welding apparatus. J. V. Caputo. 2,205,681; June 25.
Welding, Straight line. C. Pfanstiehl. 2,205,931; June 25.
Well pipe plug. G. S. Knox. 2,205,748; June 25.
Wells, Treating. L. A. Layne. 2,205,421; June 25.
Wheel: *See*—
Vehicle wheel.
Winding. E. J. Abbott. 2,205,384–5; June 25.
Window construction. H. J. Galey. 2,205,523; June 25.
Window construction. W. Owen. 2,205,538; June 25.
Window structure, Car. J. Schunk. 2,205,993; June 25.
Wing flap. T. N. Joyce. 2,205,479; June 25.
Wood impregnation. L. R. Van Allen. 2,205,770; June 25.
Wrench: *See*—
Safety wrench.

CLASSIFICATION OF PATENTS

ISSUED JUNE 25, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 2.1: 2,205,861
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Designs	117—No.	120,852 to No.	120,968, inclusive.
Total	1,202		

Disclaimers

1,894,927.—*Walter P. Schmitter*, Milwaukee, Wis. GEAR SET. Patent dated January 17, 1933. Disclaimer filed May 11, 1940, by the assignee, *The Falk Corporation*.

Hereby enters this disclaimer to claim 7 of said Letters Patent.

2,037,104.—*Ira D. Yohn*, Los Angeles, Calif. PLUMBER'S SNAKE TOOL. Patent dated April 14, 1936. Disclaimer filed May 16, 1940, by the assignee, *A. G. Jordan Manufacturing Company*.

Hereby enters this disclaimer to claims 1, 7, 8, and 10 of said Letters Patent.

2,097,041.—*Herbert S. Powell*, Utica, N. Y. TAIL PIPE SPOUT. Patent dated October 26, 1937. Disclaimer filed May 13, 1940, by the assignee, *Louis A. Koch*.

Hereby enters this disclaimer to that part of the claims in said specification as follows:

So much of claim 1 as is in excess of the following—

A tail pipe spout comprising an inner wall structure and means for securing the same to a tail pipe, and an outer wall structure separated from the inner wall structure by an air space providing a heat insulation, said outer wall structure extending over and concealing the inner wall structure and providing a finished exposed surface.

The whole of claim 3;

So much of claim 5 as is in excess of the following—

A tail pipe spout comprising an inner wall structure adapted to extend beyond the tail pipe and having a cut-away portion to deflect the discharged gases, an outer wall structure separated from said inner wall structure by an air space providing a heat insulation and extending over and concealing the said inner wall structure to provide a finished exposed surface, and means for securing the spout to the tail pipe.

2,127,956.—*Robert Helmer*, Douglaston, N. Y. METHOD AND APPARATUS FOR DRYING PRINTING INK. Patent dated August 23, 1938. Disclaimer filed May 14, 1940, by the assignee, *Interchemical Corporation*.

Hereby enters this disclaimer to claims 4, 5, and 12 of said Letters Patent.

2,191,745.—*Jean A. H. Barkeij*, Altadena, Calif. INTERNAL COMBUSTION ENGINE. Patent dated February 27, 1940. Disclaimer filed May 9, 1940, by the inventor.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words,

Claim 2, lines 14 and 15 thereof,—and being substantially above said deflecting concave wall.

Claim 3, lines 16 and 17,—and being substantially above said deflecting concave wall.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,039,671, Max Wagner, Wheel axle suspension, decided March 30, 1940, claim 1.

Pat. 2,140,097, V. V. Vacquier, Rock sampling method, decided May 16, 1940, claims 1, 2, 3, 5, and 6.

Pat. 1,989,604, A. F. Poole, Electric clock, decided April 25, 1940, claim 1.

Pat. 2,163,325, Edgar Sanders-Dolgoruki, Color photography or cinematography, decided May 13, 1940, claims 1, 2, 3, 4, and 5.

Drawings

Attention is called to paragraphs *g* and *i* of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying marks should be placed upon the back of the drawings.

Condition of Applications Under Examination at Close of Business May 18, 1940

(Total number of applications awaiting action, exclusive Trade-Mark Division, 44,369; Trade-Mark Division, 1,481. Oldest new case, July 20, 1939; oldest amended, Oct. 5, 1939.)
(The dates given are 1939 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest amended application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels: Closure Operators; Fences; Gates; Tillage.	Dec. 29	†Jan. 4	559
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco: Butchering; Bee Culture.	Nov. 6	Oct. 31	854
4093	3. LINDSEY, A., Heating: Metal Founding; Metallurgy; Metal Treatment; Electric Furances	†Mar. 20	†Mar. 18	313
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Dec. 18	Dec. 7	562
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons.	†Feb. 24	†Mar. 4	355
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 28	Nov. 3	974
5725	7. JARBOE, C. O., Optics; Photography	†Jan. 10	†Jan. 10	1,005
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Nov. 18	Nov. 28	1,063
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 28	Nov. 24	785
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	†Feb. 12	†Mar. 9	372
5987B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Feb. 24	†Feb. 29	394
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	†Jan. 8	Dec. 11	522
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Dec. 14	Dec. 13	664
6097	14. REYNOLDS, E. L., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Jan. 31	†Jan. 24	648
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 25	Nov. 27	1,197
5716	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 29	Dec. 29	532
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Jan. 18	†Jan. 12	588
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 22	Nov. 28	607
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Jan. 12	†Feb. 20	512
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	†Jan. 8	†Feb. 9	314
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Feb. 15	†Feb. 14	477
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Oct. 9	Oct. 9	1157
7624	23. BUTTNER, W. J., Registers (part)	Oct. 16	Oct. 5	249
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 4	Oct. 9	1,495
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	†Jan. 20	†Jan. 19	507
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	†Jan. 2	†Jan. 2	453
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Nov. 13	Nov. 28	860
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Dec. 19	Nov. 20	508
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 29	Dec. 8	928
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Jan. 13	†Jan. 15	731
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	†Jan. 18	†Jan. 18	987
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	†Feb. 26	†Jan. 2	225
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	†Jan. 9	†Jan. 20	925
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	†Mar. 5	†Mar. 7	251
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Dec. 11	†Jan. 11	771
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Dec. 13	Dec. 16	787
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 21	Dec. 14	626
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering: Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Oct. 25	Oct. 26	803
4876	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 18	†Jan. 6	582
7890	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	Oct. 18	Oct. 18	1,963
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Dec. 26	Dec. 16	278
5882	42. CUTTING, H. O., Electric Signaling	Oct. 26	Oct. 24	725
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	†Jan. 5	Dec. 22	450
4087B	44. HARVEY, L. P., Refrigeration	Dec. 8	Dec. 4	678
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Feb. 15	†Jan. 26	418
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	†Jan. 2	†Jan. 7	738
6082	47. KANOF, W. J. (Act.), Clutches; Brakes	†Jan. 12	†Jan 11	479
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 28	†Jan. 4	490
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 13	Dec. 2	946
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Dec. 21	Dec. 15	1,468
5628	51. BACKUS, C. D., Radiant Energy (part)	Mar. 2	Mar. 2	567
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	†Jan. 8	†Jan. 10	681
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	†Feb. 10	†Jan. 10	373
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	†Mar. 20	†Mar. 16	260
6863	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Dec. 20	Dec. 11	481
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Nov. 18	Nov. 18	1,252
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	July 20	Feb. 19	361
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 2	Oct. 16	443
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Dec. 8	Dec. 8	839
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	†Feb. 27	†Mar. 11	343
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding, Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Dec. 27	Dec. 18	625
5621	62. PUGH, E. C., Games; Geometrical Instruments	†Mar. 16	†Feb. 10	310
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Oct. 16	Oct. 16	1,176
4706	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Feb. 16	†Feb. 17	619
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Feb. 20	†Feb. 17	460
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Trade-Marks †Apr. 16	†May 3	1,371
		Labels and Prints †May 7	†May 4	110
2605	Designs: H. H. KALUPY	†Apr. 5	†Apr. 20	804

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE SEABURY ET AL.

No. 4,220. Decided December 26, 1939

[108 F.(2d) 232]

1. REISSUE—LACHES.

Where reissue of a patent was sought in an application filed one day less than two years from the time of the issuance of the patent, fourteen months after appellants were finally notified that they might not have the appealed claims in a divisional application and eight months after the abandonment of said divisional application, *Held* that in the absence of a showing of reasonable excuse for the delay, such delay was fatal to appellants' right to the reissue.

2. SAME—SAME.

"We are of the opinion, for reasons stated, that the weight of controlling authority is to the effect that even within the period of two years from the issuance of a patent, an applicant may not have a reissue of the same upon the ground of inadvertence, accident or mistake, where there is an unexplained delay of fourteen months, and even though no intervening rights appear."

3. PATENTABILITY—METHOD OF MAKING BRUSHES FOR ELECTRICAL MACHINES.

In a reissue application, certain claims for a process of mixing resins with graphite in making brushes for electrical machines, *Held* properly rejected on the ground that the reissue application was not filed within a reasonable time after appellants learned that they could not have the appealed claims in a divisional application.

APPEAL from Patent Office. Affirmed.

Mr. John G. Sbarbaro (*Mr. Craig V. Morton* of counsel) for Seabury et al.

Mr. *Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

Appellants have here appealed from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Primary Examiner refusing to allow in a reissue application claims numbered 16 to 33, inclusive. The fifteen claims of the patent (assigned to Delco-Remy Corporation) which were presented in the reissue application were allowed. The rejection of both tribunals was chiefly on the ground that the reissue application was not filed within a reasonable time after appellants learned that they could not have the appealed claims in a divisional application. No references were cited.

Claims 25 to 33 inclusive were further rejected by the Examiner on the ground that they failed to meet the requirements of section 4888 R. S. in that "they are alternative, broad and indefinite."

The Board of Appeals did not agree with the Examiner in holding that claims 25 to 33 were too broad but affirmed his rejection of these claims for the reason that they were "vague and indefinite."

The invention of the appealed claims relates to a process of mixing resins with graphite in making brushes for electrical machines. In view of our conclusion, it is not important to further discuss the invention or to set out illustrative claims.

The facts upon which the Examiner and the Board based the rejection first above referred to, relating to unreasonable delay in filing the application for reissue, are as follows:

On May 31, 1930, appellants filed two applications for patents. One ripened into a patent, 1,884,298, issued October 25, 1932 (the patent here sought to be reissued). The second application contained the disallowed claims on appeal here. As to the character of claims in the two applications the appellants state:

> The two applications although having very similar disclosures had claims which were directed to what were considered to be two separate subjects of invention, the claims of the abandoned application being drawn to cover a method of mixing of certain granular or shredded materials while the claims of the companion application which became Patent No. 1,884,298 covered the method of forming a brush for an electric machine, such as a generator, for instance. The claims directed to the method of forming the brush included some of the steps of the broad method of mixing materials defined in the companion application and in addition, other steps relating specifically to the forming of the brush.

The appealed claims were in the application filed on May 31, 1930, which did not ripen into a patent. They were finally rejected upon the ground of double patenting on August 22, 1933. Said application then became abandoned on February 22, 1934. Nothing further was done by appellants until the filing of the pending reissue application on October 24, 1934, which is one day less than two years from the time of the issuance of the patent, fourteen months after appellants were finally notified that they might not have the appealed claims in the divisional application, and eight months after the abandonment of the application.

It should be observed that the Patent Office has made no rejection of the claims upon the ground that there was a lack of showing of inadvertence in failing to include the appealed claims in the application which ripened into said patent, but the rejection which we are to consider involves the sole question as to whether or not mere unexplained delay or laches in filing an application for reissue of a patent, if the application is filed within two years from the time the patent issues is sufficient grounds for rejection. There is no suggestion in the instant case that there were any intervening rights which accrued during said period of nearly two years. No excuse or explanation whatever is offered by appellants for the delay in filing the application.

Appellants argue at great length that under the doctrine of *Topliff* v. *Topliff et al.*, 145 U. S. 156, 59 O. G. 1297, and other cases hereinafter discussed, it is entirely proper for them to delay in applying for a reissue of their patent for nearly two years, as long as there are no intervening rights, and that it is not necessary under the stated circumstances to offer any excuse whatever for not more promptly applying for reissue. It seems to be conceded by

appellants that intervening rights would ordinarily justify a rejection, and the Solicitor for the Patent Office does not contend that under the circumstances of this case appellants might not have shown such excuse for the delay as would warrant the allowance of the claims.

So, the sole question necessary for our decision in the instant appeal (disregarding the question of inadvertence) is: May an applicant who has erroneously divided his claims for an invention into two applications secure the allowance of his claims by a reissue of a patent which resulted from one of the applications, the reissue being applied for any time within two years from the date of the patent and after fourteen months from the time he was informed by the Patent Office that he might not have the claims in a divisional application (in which ruling he acquiesced), in event there are no intervening rights disclosed and in a case where no excuse whatever is offered for the delay?

The pertinent provisions of section 4916 R. S. relating to the reissue of defective patents read as follows:

Sec. 4916 [35 U. S. C. 64]. Whenever any patent is wholly or partly inoperative or invalid, by reason of a defective or insufficient specification, or by reason of the patentee claiming as his own invention or discovery more than he had a right to claim as new, if the error has arisen by inadvertence, accident, or mistake, and without any fraudulent or deceptive intention, the Commissioner shall, on the surrender of such patent and the payment of the duty required by law, cause a patent for the same invention, and in accordance with the corrected specification, to be reissued to the patentee or to his assigns or legal representatives, for the unexpired part of the term of the original patent. • • •

In *Miller* v. *Brass Company*, 104 U. S. 350, 21 O. G. 201, in an opinion by Mr. Justice Bradley, a reissued patent was held invalid because there was lack of promptness in applying for the reissue. Reissue of the patent there under consideration was applied for fifteen years after the patent issued. The court held that the patentee could have discovered that his claims were not sufficiently broad by a reading of the patent at the time it was issued, and that he should have applied for the reissue "immediately." In discussing the matter the court said:

• • • But it must be remembered that the claim of a specific device or combination, and an omission to claim other devices or combinations apparent on the face of the patent, are, in law, a dedication to the public of that which is not claimed. It is a declaration that that which is not claimed is either not the patentee's invention, or, if his, he dedicates it to the public. This legal effect of the patent cannot be revoked unless the patentee surrenders it and proves that the specification was framed by real inadvertence, accident, or mistake, without any fraudulent or deceptive intention on his part; *and this should be done with all due diligence and speed.* Any unnecessary laches or delay in a matter thus apparent on the record affects the right to alter or reissue the patent for such cause. If two years' public enjoyment of an invention with the consent and allowance of the inventor is evidence of abandonment, and a bar to an application for a patent, a public disclaimer in the patent itself should be construed equally favorable to the public. Nothing but a clear mistake, or inadvertence, *and a speedy application for its correction*, is admissible when it is sought merely to enlarge the claim. [Italics ours.]

Again, in the same opinion it was said:

Now whilst, as before stated, we do not deny that a claim may be enlarged in a reissued patent, we are of opinion that this can only be done when an actual mistake has occurred; not from a mere error of judgment (for that may be rectified by appeal), but a real *bona fide* mistake, inadvertently committed; such as a Court of Chancery, in cases within its ordinary jurisdiction, would correct. Reissues for the enlargement of claims should be the exception and not the rule. And when, if a claim is too narrow,—that is, if it does not contain all that the patentee is entitled to,—the defect is apparent on the face of the patent, and can be discovered as soon as that document is taken out of its envelope and opened, *there can be no valid excuse for delay in asking to have it corrected.* Every independent inventor, every mechanic, every citizen, is affected by such delay, and by the issue of a new patent with a broader and more comprehensive claim. The granting of a reissue for such a purpose, after *an unreasonable delay*, is clearly an abuse of the power to grant reissues, and may justly be declared illegal and void. • • • [Italics ours.]

Following *Miller* v. *Brass Company*, supra, the Supreme Court, in *Topliff* v. *Topliff et al.*, supra, had before it the question of the validity of a reissued patent, which reissue had been granted upon an application filed within four months after the date of the original patent and where a second application for reissue had been filed in a little more than a month after the first reissue was granted. The court held that the patent was valid and stated:

• • • Whether this be an enlargement of the original claim or not, it is for substantially the same invention, and in view of the fact that the reissue was applied for as soon as the mistake was discovered, and before any rights in favor of third parties could be reasonably expected to have attached, or had in fact attached, we think this reissue is not open to the objections which have proved fatal to so many since the case of *Miller* v. *Brass Company*, 104 U. S. 350, was decided.

It is a mistake to suppose that that case was intended to settle the principle that, under no circumstances, would a reissue containing a broader claim than the original be supported. We have no desire to modify in any respect the views expressed in that and subsequent cases with regard to the validity of reissues. • • •

In the Topliff case it was further pointed out that in the case of *Mahn* v. *Harwood*, 112 U. S. 354, 30 O. G. 657, it was held that the Commissioner of Patents had the right to determine the question of inadvertence, accident or mistake but that the question of a reasonable time within which to seek a remedy for the mistake was one which the court could determine and was one of law. In the Topliff case, after discussing many different cases involving the question of the validity of a reissued patent the following was said.

From this summary of the authorities it may be regarded as the settled rule of this court that the power to reissue may be exercised when the patent is inoperative by reason of the fact that the specification as originally drawn was defective or insufficient, or the claims were narrower than the actual invention of the patentee, provided the error has arisen from inadvertence or mistake, and the patentee is guilty of no fraud or deception; but that such reissues are subject to the following qualifications:

First. That it shall be for the same invention as the original patent, as such invention appears from the specification and claims of such original.

Second. That due diligence must be exercised in discovering the mistake in the original patent, *and that, if it be sought for the purpose of enlarging the claim, the lapse of two years will ordinarily, though not always, be treated as evidence of an abandonment of the new matter to the public to the same extent that a failure by the inventor to apply for a patent within two years from the public use or sale of his invention is regarded by the statute as conclusive evidence of an abandonment of the patent to the public.* [Italics ours.]

Third. That this court will not review the decision of the Commissioner upon the question of inadvertence, accident or mistake, unless the matter is manifest from the record; but that the question whether the application was made within a reasonable time is, in most, if not in all such cases, a question of law for the court.

In the decisions from which the above quotations are taken, as well as in the many others referred to by the Supreme Court in the last two above-cited cases, frequent reference is made to the necessity for "diligence" in seeking to correct the error. Promptness is required and it is stated that there could be no valid excuse for delay in asking to have the error corrected; that there must be a speedy application for the correction. We do not understand that by the statement it was meant that there could be no valid excuse for delay in making application for the correction of the mistake, providing such excuse satisfactorily explained the cause of delay. In effect, the holdings are that if it were an excusable delay it would not be an unreasonable one. In other words, the Supreme Court has held repeatedly that the question of what is a reasonable time within which to file an application (the statute being silent on the question) is a question of law for the court and that where broadened claims are sought in a reissue there must be diligence and speed in applying for the correction or satisfactory explanation for delay.

The Examiner in the instant case in passing upon the question of the right of appellants to have the appealed claims in the reissue application stated:

• • • The record discloses that the instant application (reissue application of Patent No. 1,884,298) was filed on October 24, 1934, one day before the expiration of the two year period after the date of the issuance of the original patent (October 25, 1932), which date is more than fourteen months after the final rejection of the application wherein the claims first originated and more than eight months after the abandonment of said application. In view of said circumstances, in the Examiner's opinion, applicants are guilty of laches. In other words, there was an unreasonable delay and neglect on the part of applicants in filing their reissue application after they discovered that the claims in their patent were unduly limited (which was at least as early as the date of the final rejection in application Serial No. 458,591). Furthermore, applicants offer no excuse for said delay in their petition for a reissue, nor have they attempted to show why said delay is not unreasonable, and not a neglect on their part, other than to state that they applied for the reissue within the period of two years as authorized by the decision in the *Topliff* v. *Topliff*, 145 U. S. 156. The Examiner does not believe and does not understand that it was the intention of the Supreme Court to indicate in the *Topliff* v. *Topliff* decision that an application for a reissue with broadened claims is in time under all circumstances if filed at any time within two years from the date of the original patent in absence of a specific showing of the intervention of private rights. • • •

He then cited and quoted from *Roos Co.* v. *McMillan*, 64 F.(2d) 568, 446 O. G. 3, (certiorari denied, 290 U. S. 684).

The Board of Appeals entered into no extended discussion of the question of laches, but agreed with the Examiner in his conclusion that appellants' said delay was fatal to the right of reissue. In answer to appellants' reliance upon the decision of the Board of Appeals in the case of *Ex parte Byck & Peakes*, 1935 C. D. 28, 457 O. G. 699, the Board said:

In the decision *Ex parte Byck and Peakes*, referred to by appellants, the Board of Appeals allowed a patent on a reissue application filed within two years but containing broadened claims, because there was no evidence to show that the delay was unreasonable. In the present case, however, the evidence appears to indicate that appellants had decided, at least as early as the date on which they permitted the other application to become abandoned, that if they were to obtain protection on the matter covered by the appealed claims, they would present claims covering that matter in a reissue application.

We are in agreement with the conclusion reached by the Patent Office tribunals that the Supreme Court in *Topliff* v. *Topliff et al.*, supra, never intended to make the period of two years a definite limitation within which an applicant would have an absolute right to the allowance, in a reissued patent, of claims broader than those of the original patent.

[1] It seems to us that the Supreme Court decisions, in applying the reissue statute, from which decisions the above quotations are made, rest primarily upon the conclusion that diligence and promptness alone in the respects indicated could prevent the reissue statute being used in committing unjustifiable hardships and wrongs upon others. The sole issue of this case is determined when we answer the inquiry: Did appellants act with diligence and promptness when they waited fourteen months without excuse or explanation after being told that the allowance of the claims in a divisional application would be double patenting and that they might not have them in such application? We think that if there existed a reasonable excuse for the delay, it should have been shown. In the absence of such a showing, such delay was fatal to appellants' right to the reissue.

At one place in appellants' brief they make some contention to the effect that a reasonable excuse for the delay should have been found by the Patent Office tribunals. It is not contended that any affidavits or other proof were submitted, but it is argued that there was a well-known financial depression existing in the country at the critical period here involved. It is not even contended in argument that the depression rendered appellants unable on account of financial difficulties to earlier have applied for a reissue, and we find nothing in the record to suggest an acceptable excuse for the said delay.

In the case of *Roos Co.* v. *McMillan*, supra, cited by the Examiner, the Circuit Court of Appeals for the Sixth Circuit held invalid a reissued patent, application for the reissue being made some eighteen months after the patent originally issued. After discussing the authorities at some length, the court stated:

No fixed rule can be laid down as to what constitutes an unreasonable delay. It has been said that, where the reissue is for the purpose of enlarging claims, the only mistake suggested being that they are not broad enough, the application should be made within "a reasonably short period after the original patent was granted". What is a reasonably short period or a reasonable time depends to some extent, at least, upon the curative purposes of the application. We do not understand from the authorities nor from the discussions in *Chapman* v. *Wintroath*, 252 U. S. 126, 40 S. Ct. 234, 64 L. Ed. 491, and *Webster Electric Co.* v. *Splitdorf Electric Co.*, 264 U. S. 463, 44 S. Ct. 342, 68 L. Ed. 792, that an application for a reissue with broadened claims is in time if filed at any time within two years from the date of the original patent in the absence of a specific showing of the intervention of private rights. It is true that by analogy to the law of public use a longer delay requires that excuse therefor should be made manifest by special circumstances. *Topliff* v. *Topliff*, supra. This putting of the burden on the patentee to show that the delay was not unreasonable is not to be taken, we think, as meaning that there can be no unreasonable delay or laches within that period. No decision of the Supreme Court to which we have been referred so adjudicates. In the cases in which validity has been denied, the question has not been free from intervening private rights, and necessarily so, because it is only when some private right is involved that the reissue is questioned in the courts. It has been stated too often, however, to admit of doubt that the patentee is bound to discover the error within a reasonable time and apply for reissue or lose his right. These statements are made without reference to circumscribed periods. In the case of a broadened reissue, there is involved, it seems to us, not only the right of the public, that is, the right to use that which is originally disclosed and not claimed and which the public presumably does use, but also the right of the patentee to broaden his claims, a right that may be lost by unreasonable delay depending upon the applicable circum-

stances and without reference to fixed periods. In this view of the patentee's rights, we are content to hold, until the Supreme Court has held otherwise, that a reissue patent may be held to be invalid because of unreasonable delay in filing the application therefor, notwithstanding the absence of a showing of intervening private rights and even though the application were filed within two years from the date of the original issue.

[2] We have examined the cases (including *Chapman* v. *Wintroath*, 252 U. S. 126, 272 O. G. 913; *Webster Co.* v. *Splitdorf Co.*, 264 U. S. 463, 327 O. G. 219; and *Crown Cork and Seal Co.* v. *Ferdinand Gutlman Co., Inc.*, 304 U. S. 159, 493 O. G. 701), cited in appellants' brief and find nothing in such cases which detracts from the force of the decisions upon which we have relied. Some of the cases cited by appellants relate to divisional applications in which there is some analogy drawn between divisional applications and reissue applications. However, we are of the opinion, for reasons stated, that the weight of controlling authority is to the effect that even within the period of two years from the issuance of a patent, an applicant may not have a reissue of the same upon the ground of inadvertence, accident or mistake, where there is an unexplained delay of fourteen months, and even though no intervening rights appear.

[3] The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WADSWORTH AND WICKENDEN

No. 4,199. Decided December 4, 1939

[107 F.(2d) 596]

1. REISSUE—CLAIMS CANCELLED FROM ORIGINAL APPLICATION—INADVERTENCE.

Where the oath filed with the reissue application did not set forth the cancellation of claims from the original application as being inadvertent and the reasons of appeal did not assign error on the part of the Board of Appeals in failing to find that such cancellation was inadvertent *Held* that it cannot be judged that the cancellation of said claims in the original application was inadvertent.

2. SAME—CLAIMS FOR SAME SUBJECT MATTER AS CLAIMS DELIBERATELY CANCELLED IN ORIGINAL APPLICATION.

"It is well established that when claims are deliberately cancelled in an original application in order to obtain a patent, claims for the same subject matter cannot be allowed in a reissue application. *In re Guastavino*, 23 C. C. P. A. (Patents) 1179, 83 F.(2d) 913, 472 O. G. 8, and cases there cited."

3. PATENTABILITY—METHOD OF TREATING A SUGAR SYRUP OR MELT.

Certain claims in a reissue application for a method of treating a sugar syrup or melt *Held* properly rejected on the ground that the claimed process is substantially the same process as was recited in the claims cancelled during the prosecution of the original application.

APPEAL from Patent Office. Affirmed.

Messrs. Pennie, Davis, Marvin and Edmonds (*Mr. Raymond F. Adams*, *Mr. Clarence M. Fisher*, and *Mr. Ambrose A. Arnold* of counsel) for Wadsworth and Wickenden.

Mr. Howard S. Miller for the Commissioner of Patents.

LENROOT, *J.*:

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting claims 7 to 12, inclusive, of appellants' application for the reissue of a patent, No. 1,956,260, granted to them on April 24, 1934.

The ground of rejection was that substantially the same claims were cancelled by appellants during the prosecution of their original application in order to obtain their patent.

The Examiner also rejected all of the claims of appellants' reissue application, twelve in number, upon the ground of unreasonable neglect and delay in discovering the defects of their patent and in applying for reissue.

The Board reversed the Examiner upon the rejection of claims 1 to 6, inclusive, upon the ground of unreasonable delay in applying for reissue, and these claims stand allowed; but as stated above, the Board affirmed the rejection of the claims here on appeal upon the ground that claims directed to substantially the same subject matter were cancelled in appellants' original application.

Claim 9 is illustrative of the rejected claims and reads as follows:

9. In the method of treating a sugar syrup or melt to produce a substantially colorless product, the improvement which comprises treating washed sugar with a calcium hypochlorite and a phosphatic defecating agent.

Claim 1 is illustrative of the allowed claims and reads as follows:

1. In the method of treating a sugar syrup or melt to produce a substantially colorless product, the improvement which comprises treating washed sugar with an agent of the group consisting of chlorine and the hypochlorites, then with a phosphatic defecating agent, and thereafter adding to the liquid so treated a decolorizing and filtering carbon.

The distinction between the rejected and the allowed claims lies in the omission from the rejected claims of the last step set forth in the allowed claims.

The involved invention is sufficiently described in claim 9 above quoted. No prior art was cited.

There were only two reasons of appeal filed, which read as follows:

1. The Board of Appeals erred in holding that claims 7 to 12 inclusive are directed to substantially the same method as claims 7 to 12 inclusive which were cancelled during the prosecution of the application which matured into the original patent, which it is sought to reissue by the present application.

2. The Board of Appeals erred in holding that claims 7 to 12 inclusive were properly rejected because directed to substantially the same method as claims 7 to 12 inclusive which were cancelled during the prosecution of the application which matured into the original patent, which it is sought to reissue by the present application.

The oath of appellants filed with their reissue application sets out the illness of their patent attorney during the preparation of their original application and its prosecution in the Patent Office, and states that such illness "interfered with the proper functioning of his powers of understanding and memory." The oath states:

* * * that the following is a true specification of the errors which it is claimed constitute such inadvertence, accident and mistake relied upon; first—the improper understanding of the invention on the part of the attorney representing your deponents at the time of the preparation, filing and prosecution of the application resulting in the aforementioned Letters Patent; second—the illness of said attorney which apparently resulted in said misunderstanding; third—the unintentional misrepresentations made to your deponents by said attorney; and fourth—the false sense of security into which your deponents were lulled by said misrepresentations; that

such errors so specifically specified, arose and occurred as follows:

* * * * * * *

The oath also contains the following:

The following is a detailed specification of the errors which it is claimed constitute such inadvertence, accident or mistake, relied upon, to wit:

* * * * * * *

The oath then proceeds to set out in detail the errors relied upon as constituting inadvertence, accident, or mistake, but the cancellation of claims in their original application is not mentioned as an inadvertence, accident, or mistake.

Appellant Wickenden also filed a supplemental affidavit setting out more in detail the physical and mental condition of their attorney (who died in October, 1933) prior to the issue of appellants' patent sought to be reissued; the ignorance of appellants as to their said attorney's physical and mental condition, and their reliance upon him in the preparation and prosecution of their application.

With respect to the prosecution of appellants' original application in the Patent Office the Board of Appeals in its decision stated:

Appellants point out that after considerable difficulty in getting the application prepared, it developed that their patent attorney was in ill health and was unable to properly prosecute the same and after allowance permitted the same to become forfeited and it was not until after his death that the Office advised the applicants of the forfeiture, that when the patent was finally forwarded it was not immediately inspected, but later on the applicants discovered that it contained inaccurate description and that they have since that time diligently sought to have the same reissued to correct the mistake.

It is not apparent to us that under the circumstances of this case appellants are chargeable with undue delay in view of the practice set out in our previous decisions, such as *Ex parte Byok and Peakes*, 25 U. S. Pat. Q. 211, 1935 and *Ex parte Thiele*, 36 U. S. Pat. Q. 112, 1937 and the rejection of unreasonable neglect and delay will not be affirmed.

[1] The first question for consideration is whether, upon the record before us, we may consider the question of whether appellants' attorney, in the prosecution of the original application, cancelled claims therein through inadvertence and mistake. After carefully reviewing the record we conclude that this question is not properly before us.

As hereinbefore stated, appellants' oath does not set forth that such cancellation was inadvertent by reason of the mental condition of their attorney, although it does specify each item of mistake claimed to have been inadvertent.

The reasons of appeal do not assign error upon the part of the Board in failing to find that such cancellation was inadvertent.

The second reason above quoted is broad, but in our opinion it does not include claimed error upon the part of the Board in failing to hold that said claims were cancelled through inadvertence growing out of the mental condition of appellants' attorney.

This view is supported by the brief of appellants' counsel, from which we quote:

The Errors Relied Upon

The grounds of appeal (R. 25) are that the Board of Appeals erred in holding that new claims 7 to 12 inclusive (1) are directed to, and (2) were properly rejected because directed to, substantially the same method as claims 7 to 12 inclusive which were cancelled during the prosecution of the application which matured into the original patent.

The Proposition of Fact Relied Upon

The proposition of fact relied upon is that the method of treating a sugar syrup or melt to produce a substantially colorless product is not the same, or substantially the same, as the method of preserving a sugar syrup or melt to kill yeast, bacteria and mold, and the Board (and the Examiner) therefore erred in rejecting reissue claims 7 to 12 on the basis of original claims 7 to 12.

While it is true that later in their brief counsel state that the action of appellants' attorney who cancelled the claims in question could not have been deliberate, because of his mental and physical condition, we think that this was an afterthought not in mind when the reasons of appeal were filed, especially in view of the fact that in appellants' oath filed with the reissue application the cancellation of said claims is not set forth as being inadvertent.

For the reasons above stated we cannot hold that the cancellation of said claims in the original application was inadvertent.

There remains the question of whether said claims so cancelled embraced the same subject matter as is embraced in the claims before us.

Claim 9 of appellants' original application is illustrative of the claims there cancelled and reads as follows:

9. The method of preserving a sugar syrup or melt, which comprises treating the same with calcium hypochlorite and thereafter with a phosphatic defecating agent.

It will be observed that the difference between cancelled claim 9 and claim 9 of the reissue application is that the cancelled claim embraces a method of *preserving* a sugar syrup or melt and claim 9 of the reissue application is directed to a method of "*treating* a sugar syrup or melt to produce a substantially colorless product" [italics ours]; also, in the cancelled claim the treatment with a phosphatic defecating agent occurs after the treatment with calcium hypochlorite, while in claim 9 of the reissue application the treatment with both agents may occur simultaneously.

It is thus obvious that claim 9 of the reissue application is broader than cancelled claim 9, and the same is true of the other reissue and cancelled claims.

The record before us does not contain the official action with respect to said cancelled claims. The Board in its decision, however, referred to this matter and stated:

The Examiner has also rejected claims 7 to 12, inclusive, on the ground that certain claims were cancelled during the original prosecution in view of references directed to the same method as the present claims 7 to 12, inclusive. On investigation of the patented file of the original application, it appears that this statement of facts is substantially correct and that these claims were properly rejected for this reason.

There is no claim here that the statement above quoted respecting the reason for the cancellation of said claims is inaccurate, and we must assume that it is correct.

[2] It is well established that when claims are deliberately cancelled in an original application in order to obtain a patent, claims for the same subject matter cannot be allowed in a reissue application. *In re Guastavino*, 23 C. C. P. A. (Patents)

1179, 83 F.(2d) 913, 472 O. G. 8, and cases there cited.

Appellants strenuously insist that the method of preserving a sugar syrup to kill yeast, bacteria, and mold, as embraced in the cancelled claims, is not the same or substantially the same as the method of treating a sugar syrup to provide a substantially colorless product embraced in the reissue claims before us. Appellants' counsel in their brief state:

> • • • As pointed out above, the process of the old claims results exclusively in the sterilization and preservation of sugar melts or syrups to kill bacteria, yeast and mold. The process of the new claims, on the other hand, results in the treatment of sugar melts or syrups to produce a substantially colorless product. • • •

In said brief it is also stated:

> The confusion is no doubt due in large part to the fact that the language of the old claims is in part like the language of the new claims. The old claims are directed to a method of sterilizing or preserving sugar melts or syrups. For this purpose, a very small amount of chlorine, such as calcium hypochlorite, a chlorine yielding substance, is required. In order to obtain a substantially colorless product, however, a much larger amount of bleach liquor (calcium hypochlorite) must be employed. The patent makes clear that relatively large amounts of bleach liquor must be used and states that the process may be repeated in order to obtain the desired product.
>
> It is therefore apparent that, even though the old and the new claims call for the use of calcium hypochlorite, the words employed do not have the same meaning in both sets of claims. In the old claims the words mean the use of a very small amount of calcium hypochlorite—enough to kill yeast, bacteria and mold. In the new claims, on the other hand, the words mean the use of a relatively large amount of calcium hypochlorite—enough to obtain a purified and substantially colorless product.
>
> Similarly, in the new claims, the words mean the use of a relatively large amount of phosphatic defecating agent—sufficient to throw down the calcium and the iron as phosphate precipitates of those metals, and to insure the cleansing action that these precipitates make possible. In the old claims, the words relating to the use of a phosphatic agent could have no meaning, because it does not, and cannot, function as a preserving or sterilizing agent.

With respect to the above quoted argument it is sufficient to say that we find nothing, either in appellants' original specification or in their reissue specification, to indicate that only very small amounts of calcium hypochlorite are required for purposes of sterilization, and that in order to obtain a substantially colorless liquid much larger amounts of calcium hypochlorite are required.

The proportions of calcium hypochlorite set forth in the reissue application are identical with those set out in the original application.

With respect to the purpose for which proportions are used appellants' patent as issued states:

> • • • It may here be stated that the use of calcium hypochlorite or its equivalent, preferably in the form of "bleach liquor", will serve to check the growth of yeast, fungi, molds, etc.

The reissue application states:

> • • • The melt is preferably given a treatment which will kill bacteria, mold and other undesirable agencies which may be present in the melt and which would tend to adversely affect it commercially. While we may use various agents for this purpose, we prefer to use a chlorine generating agent, in the form of an aqueous solution. Ordinarily, however, we use a hypochlorite, preferably a hypochlorite of one of the alkali or alkaline earth metals, such as calcium hypochlorite, preferably in the form of "bleach liquor".
>
> In treating the melt with the calcium hypochlorite solution or equivalent agent, we may proceed substantially as follows:
>
> • • • • • • • •

Then follow the same proportions of calcium hypochlorite as are given in the original application.

It is clear that appellants' reissue application teaches that the treatment with calcium hypochlorite in the same proportions as are set out in their original application will, with the subsequent treatment with a phosphatic defecating agent, result in a melt that is, to quote from the reissue application, "substantially bleached, or decolorized, and sterilized, and the impurities are readily adsorbable and filterable."

It would thus appear that the process recited in the cancelled claims is the same as the process recited in the claims before us, except as to the objective claimed to be secured by the process recited in the cancelled claims. In such claims the process is stated to be for the purpose of preserving sugar syrup, while in the claims before us the process is stated to be for the purpose of producing a substantially colorless product.

In appellants' brief it is stated:

> It will be evident to this court that new claims 7 to 12 (R. 31) are directed to the applicants' method of treating a sugar melt or syrup to produce a substantially colorless product; and that old claims 7 to 12 (R. 26) are directed to a method of preserving a sugar syrup or melt to kill yeast, bacteria and mold.

The difficulty with appellants' contention is that the process recited in the cancelled claims is identical with the process recited in the claims before us, except that in the cancelled claims the treatment of the melt with a phosphatic defecating agent follows the treatment with calcium hypochlorite, while in the claims before us this order of steps is not required.

It seems clear to us that the same references to prior art that would defeat the cancelled claims would necessarily defeat the claims before us, for the processes recited in both sets of claims are essentially the same.

The difference between the cancelled claims and the claims at bar lies in their preamble, which is a statement of the purpose for which the process is used. It is not denied that the process recited in the reissue claims will result in preserving the sugar syrup, and the only difference between the two groups of claims is that the same process will, it is now claimed, do more than was claimed in the cancelled claims, viz., that the process as now claimed will result in a substantially colorless product.

We would here remark that a drawing accompanied the original application, showing the steps of treatment of raw sugar through to standard granulated sugar. The same drawing accompanies appellants' reissue application, so the order of steps in the treatment of the raw sugar appears to be identical in both applications.

In the case of *In re Walker et al.*, 26 C. C. P. A. (Patents) 739, 99 F.(2d) 976, 500 O. G. 514, we stated:

> It is argued by the Solicitor for the Patent Office that the different purpose for which appellants allege their device is used appears to be merely stated in the preamble of the claims and that such a statement does not make the combination of elements any different. • • •
>
> We agree with the Solicitor, • • •.

In the case of *In re Adams*, 24 C. C. P. A. (Patents) 1043, 88 F.(2d) 495, 484 O. G. 8, we said:

> • • • The claims of Falge's patent embrace electric lamp filaments without limitation, and we think any licensee of Falge would have the right to use the method disclosed and claimed by him, in electric lamps of any size, and when his patent expires the public will have the same right. It is true that Falge had a very different object than the object of appellant, but the methods of both are identical so far as the first group of claims is concerned.

[3] We are clear that the process here claimed is substantially the same process as was recited in the claims cancelled by appellants.

The reasons for the rejection of a claim in a reissue application (when similar claims have been rejected during the prosecution of the original application and such rejection was acquiesced in by the applicant) are set out at length in the case of *Leggett* v. *Avery*, 101 U. S. 256. In that case the court stated:

> It not unfrequently happens that, after an application has been carefully examined and compared with previous inventions, and after the claims which such an examination renders admissible have been settled with the acquiescence of the applicant, he, or his assignee, when the investigation is forgotten and perhaps new officers have been appointed, comes back to the Patent Office, and, under the pretence of inadvertence and mistake in the first specification, gets inserted into reissued letters all that had been previously rejected. In this manner, without an appeal, he gets the first decision of the Office reversed, steals a march on the public, and on those who before opposed his pretensions (if, indeed, the latter have not been silenced by purchase), and procures a valuable monopoly to which he has not the slightest title. We have more than once expressed our disapprobation of this practice. As before remarked, we consider it extremely doubtful whether reissued letters can be sustained in any case where they contain claims that have once been formally disclaimed by the patentee, or rejected with his acquiescence, and he has consented to such rejection in order to obtain his Letters-Patent. Under such circumstances, the rejection of the claim can in no just sense be regarded as a matter of inadvertence or mistake. Even though it was such, the applicant should seem to be estopped from setting it up on an application for a reissue.

We are in accord with the conclusion reached by the Board of Appeals and its decision is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,247,540, 1,247,542, Re. 15,140 (of 1,247,543), 1,286,017, Re. 19,577 (of 1,341,561), W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids, D. C. Tex. (Fort Worth), Doc. E 806, *Activated Sludge, Inc.*, v. *City of Fort Worth, Tex.* Dismissed Mar. 18, 1940.

1,247,542. (See 1,247,540.) 2,147,543. (See 1,247,540.)

1,282,587. (See 1,247,540.) 1,286,017. (See 1,247,540.)

1,325,665, 1,325,667, A. G. Crawford, Refrigerant and process of making same; 1,439,728, same, Refrigerating process, D. C., S. D. Calif., C. Div., Doc. 723 RJ, *Trojan Development Co.* v. *Union Oil Co. of Calif.* Dismissed without prejudice Mar. 14, 1940.

1,325,667. (See 1,325,665.) 1,439,728. (See 1,325,665.)

1,444,811, J. P. Tarbox, Portable filing case; 1,889,765, L. Switkes, Combination traveling case and portfolio, appeal filed Mar. 25, 1940, C. C. A., 2d Cir., Doc. —, *Boyle Leather Goods Co., Inc.*, v. *J. M. Feldman Efficiency Leather Products et al.*

1,473,694, G. G. Barry, Metal wheel, D. C., N. D. Ill., E. Div., Doc. 15610, *G. G. Barry et al.* v. *General Tire & Rubber Co. et al.* Dismissed Jan. 31, 1940.

1,581,188, C. G. Fink, Process of electrodepositing chromium and of preparing baths therefor; 1,802,463, same, Process of producing chromium-plated articles with mirror-like scratch finish, D. C., N. D. Ill., E. Div., Doc. 16206, *United Chromium, Inc.*, v. *Great Lakes Plating & Japanning Co.* Patent held valid and infringed, injunction Dec. 27, 1939. Mandate dismissing appeal Mar. 21, 1940.

1,615,807, J. Bosch, Striping attachment for knitting machines, filed (notice Mar. 21, 1940), D. C., W. D. N. C. (Asheville), Doc. 184, *Scott & Williams, Inc.*, v. *C. D. Whisnant et al.* (*Whisnant Hosiery Mills*).

1,624,698, R. J. Watts, Doffer for ironing machines; T. M. 364,840, Super Ironer Corp., Ironing machines, filed Mar. 19, 1940, D. C., W. D. Mich., S. Div., Doc. 79, *Super Ironer Corp.* v. *Watts Laundry Equipment Co. et al.*

1,640,052, A. Olsen, Jr., Candy package, D. C., N. D. Ill., E. Div., Doc. 14747, *Ramco, Inc., et al.* v. *Traver Corp.* Consent decree holding patent valid Feb. 29, 1940.

1,653,819, Northcott & Warford, Electro-therapeutical apparatus, filed Mar. 18, 1940, D. C., S. D. Calif., C. Div., Doc. 855–B, *The Kormann Foundation* v. *L. A. Sutton et al.*

1,658,670, T. Corbett, Platform support for suspended scaffolds, filed Mar. 20, 1940, D. C., S. D. N. Y., Doc. 8/63, *The Patent Scaffolding Co.* v. *Advance Steel Scaffold Corp.*

1,668,675, E. C. Fey, Gallery rifle; 1,743,201, same, Apparatus for indicating the accuracy of aim; 1,743,337, same, Rifle range, D. C., N. D. Ill., E. Div., Doc. 15513, *E. D. Fey* v. *J. P. Seaburg Corp.* Dismissed for want of equity Feb. 26, 1940.

1,743,201. (See 1,668,675.) 1,743,337. (See 1,668,675.)

1,748,951, S. L. Gookin, Method of inserting fasteners; 1,748,952, same, Eyelets, appeal filed Mar. 20, 1940, C. C. A., 2d Cir., Doc. —, *United Shoe Machinery Corp.* v. *Atlas Tack Corp.*

1,748,952. (See 1,748,951.)

1,798,278, Scott & Turner, Fender for vehicles, D. C., N. D. Ill., E. Div., Doc. 16193, *American Chain & Cable Co., Inc.*, v. *Erie Mfg. Co., Inc.* By stipulation cause dismissed without prejudice Feb. 6, 1940.

1,802,463. (See 1,581,188.)

1,842,726, L. L. Luce, Buckle shield for garters, D. C., N. D. Pa., Doc. 1287, *Promota Patent Corp.* v. *Freeland Mfg. Co.* Consent decree for injunction Mar. 22, 1940.

1,865,037, A. Novick, Method of making window envelopes, D. C., N. D. Ill., E. Div., Doc. 14746, *Ramco, Inc., et al.* v. *Travers Corp.* Consent decree finding patent valid Feb. 29, 1940.

1,889,765. (See 1,444,811.)

1,993,173. (See Re. 20,133.)

1,998,793, T. H. Stancliff, Roller bit, filed Mar. 19, 1940, D. C., S. D. Calif. (Los Angeles), Doc. 858–M, *Reed Roller Bit Co.* v. *H. C. Smith Oil Tool Co.*

2,024,414, I. C. Gellman, Bread slicing machine, D. C., N. D. Ill., E. Div., Doc. 15691, *I. C. Gellman et al.* v. *L. Karp & Sons, Inc.* Dismissed for want of equity May 17, 1939. Mandate affirming decree Feb. 27, 1940.

2,031,745, M. Stubnitz, Combination air and spring cushion seats, C. C. A., 6th Cir., Doc. 8133, *Stubnitz-Greene Spring Corp.* v. *Fort Pitt Bedding Co.* Claims 7, 8, and 9 held infringed, and infringer held estopped to deny patentability Mar. 15, 1940.

2,058,159. (See Re. 20,133.)

2,036,780, L. E. Shaw, Display device, filed Mar. 21, 1940, D. C., E. D. N. Y., Doc. 981, *N. Basescu et al.* v. *P. Levy.*

2,058,159. (See Re 20,133)

2,064,443. (See Re. 20,133.)

2,083,742, Poncher & Newman, Bumper guard, D. C., N. D. Ill., E. Div., Doc. 15991, *Erie Mfg. Co., Inc.*, v. *The Hamlin Metal Products Co., Inc., et al.* On stipulation cause, including counterclaim, dismissed without prejudice Feb. 6, 1940.

2,144,051, C. J. Frankforter, Method of treating water, D. C. Nebr. (Lincoln), Doc. 42, *City of Lincoln, Nebr.* v. *C. J. Frankforter.* Dismissed with prejudice Mar. 19, 1940.

2,148,997, H. Phillips, Piston ring, filed Mar. 19, 1940, D. C., W. D. Mich. (Grand Rapids), Doc. 78, *Hastings Mfg. Co.* v. *V. C. Olcott et al.* (*Red's Motor Parts Co.*).

2,156,269, Waldorf & May, Engraving or reproducing machine, filed Mar. 20, 1940, D. C., S. D. N. Y., Doc. 8/64, *New Hermes, Inc.*, v. *M. L. Alexander et al.* (*Auto Engraver Co.*).

Re. 16,841, J. Mayer, Hair waving method; 1,718,025, R. Bishinger, Hair curling appliance, (declaratory judgment), D. C., N. D. Ill., E. Div., Doc. 16066, *The Philad Co.* v. *Isana Products, Inc.* Bill dismissed with prejudice; counterclaim dismissed without prejudice Jan. 29, 1940. Doc. 16142, *The Philad Co.* v. *Best Oil Products Co. et al.* Dismissed without prejudice Jan. 15, 1940.

Re. 19,577. (See 1,247,540.)

Re. 20,133, 1,993,173, P. H. Kuyper, Venetian blind construction; Des. 98,260, same, Combined Venetian blind and housing therefor; 2,058,159, same, Venetian blind structure; 2,064,443, H. Moore, Venetian blind, D. C., N. D. Ill., E. Div., Doc. 15493, *Rolscreen Co.* v. *Chicago Venetian Blind Co.* By stipulation complaint and counterclaim dismissed without prejudice Mar. 7, 1940.

Des. 98,260. (See Re. 20,133.)

Des. 109,625, H. Shurak, Slipper, D. C., S. D. N. Y., Doc. 2/320, *Criterion Footwear, Inc.*, v. *H. Davidowitz et al.* (*Columbia Novelty Slipper Co.*). Decree (notice Mar. 20, 1940).

Des. 117,889, M. Tint, Dress, D. C., S. D. N. Y., Doc. 7/228, *Annetta Dresses, Inc.*, v. *Franklin Simon & Co., Inc.* Consent order of discontinuance (notice Mar. 20, 1940).

Des. 118,911, B. Shapiro, Dress, filed Mar. 23, 1940, D. C., S. D. N. Y., Doc. 8/75, *B. Shapiro* v. *Gilt Junior Dress Corp. et al.*

Des. 119,141, C. Frankel, Dress, filed Mar. 11, 1940, D. C., S. D. N. Y., Doc. 7/500, *Navarre Frocks, Inc.*, v. *Sol Disnick, Inc.*

T. M. 45,508. (See T. M. 200,273.)

T. M. 55,858, Pabst Brewing Co., Beer; T. M. 228,282, T. M. 228,411, Pabst Corp., same; T. M. 285,860, same, Malt beverage, D. C., N. D. Ill., E. Div., Doc. 15734, *Premier-Pabst Corp.* v. *Better Bottlers, Inc.* Consent decree enjoining defendant Mar. 12, 1940.

T. M. 106,108, S. C. Johnson & Son, Powdered wax, prewared wax, wood dye, etc.; T. M. 241,695, T. M. 176,405, same, Prepared wax in paste, powdered or liquid form; T. M. 224,358, same, Varnish, D. C., N. D. Ill., E. Div., Doc. 16174, *S. C. Johnson & Son, Inc.*, v. *Carson, Pirie Scott & Co.* By stipulation cause dismissed without prejudice Jan. 23, 1940.

T. M. 176,405. (See T. M. 106,108.)

T. M. 200,273, T. M. 45,508, Old Grand-Dad Distillery Co., Whiskey, D. C., N. D. Ill., E. Div., Doc. 14319, *The American Medicinal Spirits Co et al.* v. *Roxy Liquor Corp. et al.* Defendants enjoined Mar. 5, 1940.

T. M. 207,620, Bulletin Record Publishing Co., Inc., A daily publication, D. C., N. D. Ill., E. Div., Doc. 15642, *Bulletin Record Publishing Co.* v. *M. L. Annenberg et al.* Dismissed for want of equity Dec. 18, 1939.

T. M. 224,358. (See T. M. 106,108.)

T. M. 228,282. (See T. M. 55,858.)

T. M. 228,411. (See T. M. 55,858.)

T. M. 241,695. (See T. M. 106,108.)

T. M. 285,860. (See T. M. 55,858.)

T. M. 364,840. (See 1,624,896.)

Adjudicated Patents

(D. C. Calif.) Prouty and Prouty patent, No. 1,628,910, for ceramic process and product, claims 3, 5, 7, 9, 23, 25, 27, and 29 *Held* valid and infringed. *American Encaustic Tiling Co.* v. *Pacific Tile & Porcelain Co.*, 32 F. Supp. 131.

(D. C. Mo.) Emery and Bowden patent, No. 1,841,719, for garment stretching device, *Held* valid and infringed. *Ashby* v. *Cleaners Specialties*, 32 F. Supp. 85.

(D. C. Mo.) Emery and Bowden patent, No. 1,855,544, for method of stretching tubular garments, *Held* valid and infringed. *Id.*

(D. C. Calif.) Fassett patent, No. 2,016,670, for sampling device, *Held* not infringed. *Fassett* v. *Dahlstrom*, 32 F. Supp. 82.

Trade-Mark Registrations Canceled

268,471. Malt syrup. Max Epstein, doing business as Western Malt Products Co., College Point, N. Y. Registered March 18, 1930. Canceled May 10, 1940.

294,617. Hair rinse. E. Frederics, Inc., New York, N. Y. Registered June 7, 1932. Canceled April 26, 1940.

354,423. Underclothing. Stylecraft-Brown Corp., New York, N. Y. Registered February 8, 1938. Canceled May 10, 1940.

360,210. Automobile robes. Sears, Roebuck and Co., Chicago, Ill. Registered September 13, 1938. Canceled May 14, 1940.

360,849. Lock sets. Lockwood Hardware Manufacturing Co., Fitchburg, Mass. Registered September 27, 1938. Canceled May 10, 1940.

363,940. Men's and boys' shirts and pajamas. Beaver Shirt Manufacturing Co. Inc., New York, N. Y. Registered January 10, 1939. Canceled April 26, 1940.

369,339. Certain named toilet preparations. Saravel, Inc., New York, N. Y. Registered July 18, 1939. Canceled April 12, 1940.

369,923. Certain named ladies' undergarments. Kate Smith, New York, N. Y. Registered August 8, 1939. Canceled May 10, 1940.

372,548. Suits, overcoats, and topcoats. Wulf Bros. Inc., New York, N. Y. Registered October 31, 1939. Canceled April 26, 1940.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 4, 1940

[VOL. 515. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 429,226. HENRY L. HUGHES, El Paso, Tex. Filed Mar. 5, 1940.

B.D.M.

For Mink Pelts or Mink Fur Skins, and Live Minks.
Claims use since Jan. 15, 1940.

Ser. No. 430,257. THE UNITED STATES GRAPHITE COMPANY, Saginaw, Mich. Filed Apr. 1, 1940.

MEXALOY

For Granulated Graphite Prepared for Use in Making Refractories, Refractory Linings, Mortar Joint Mixtures, Fire Brick, Etc.
Claims use since Mar. 11, 1940.

Ser. No. 430,374. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 4, 1940.

AIRTEX

For Sponge Rubber.
Claims use since Dec. 12, 1938.

Ser. No. 430,413. MITCHELL & PEIRSON INCORPORATED, Philadelphia, Pa. Filed Apr. 5, 1940.

Aquakid

For Kid Leather.
Claims use since Mar. 22, 1940.

Ser. No. 430,436. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Apr. 6, 1940.

VINYON

For Synthetic Organic Resins and Plastics, and Strands, Filaments, Yarns, Fibres, Webs, and Sheets, Made in Whole or in Part of Synthetic Organic Resins or Plastics and Adapted to be Employed in the Fabrication of Thread, Yarns, and Fabrics, and for Use in the Manufacture of Fish Nets, Cordage, Tennis Racquet Strings, Felt, and Hosiery, and for Other Uses in the Industrial Arts.
Claims use since Aug. 12, 1938.

CLASS 2

Receptacles

Ser. No. 427,035. LUSTEROID CONTAINER COMPANY, INC., South Orange, N. J. Filed Dec. 30, 1939.

LUSTEROID

For Bottles, Vials, and Tubes Made of Plastic, Thermoplastic, and Thermosetting Materials, for Holding Liquids, Powders, and Pastes.
Claims use since 1929.

Ser. No. 428,889. SCHERING CORPORATION, Bloomfield, N. J. Filed Feb. 24, 1940.

TOPLICATOR

For Empty Containers Made of "Pliofilm" or Other Suitable Material for Holding Individual, Measured Quantities of Medicinal Preparations, Pharmaceutical Preparations, Toilet Preparations, or Other Merchandise Intended for Use in Individual, Measured Quantities.
Claims use since Feb. 5, 1940.

Ser. No. 430,579. CROWN ZELLERBACH CORPORATION, San Francisco, Calif. Filed Apr. 10, 1940.

TOTE

For Paper Bags.
Claims use since Mar. 11, 1940.

Ser. No. 430,580. CROWN ZELLERBACH CORPORATION, San Francisco, Calif. Filed Apr. 10, 1940.

TOTEM

For Paper Bags.
Claims use since Mar. 11, 1940.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 429,803. BONWIT TELLER, INC., New York, N. Y. Filed Mar. 21, 1940.

"LIFE RED"

The word "Red" is disclaimed except as shown.
For Handbags and Pocketbooks.
Claims use since Mar. 15, 1940.

Ser. No. 429,978. DAVID E. GOTTLIEB, New York, N. Y. Filed Mar. 26, 1940.

LEASH O MATIC

The word "Leash" is disclaimed apart from the mark.
For Dog Leashes.
Claims use since January, 1940.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 426,965. SCHWARTZ MANUFACTURING COMPANY, Two Rivers, Wis. Filed Dec. 29, 1939.

RED CIRCLE BUFFS

The word "Buffs" is disclaimed apart from the mark.
For Cloth Buffing Sections Used for Polishing.
Claims use since Nov. 1, 1929.

Ser. No. 427,018. FORD MOTOR COMPANY, Dearborn, Mich. Filed Dec. 30, 1939.

Ford

For Metal Polish, Metal Cleaner, and Upholstery Cleaner.
Claims use since Feb. 6, 1939.

Ser. No. 429,676. LEON PERLOFF, doing business as Squirtex Co., Philadelphia, Pa. Filed Mar. 13, 1940.

DISHEX

For Preparation for Soapless Dishwashing.
Claims use since Oct. 1, 1939.

Ser. No. 429,783. JOSEPH METRIE, Milwaukee, Wis. Filed Mar. 20, 1940.

Rival

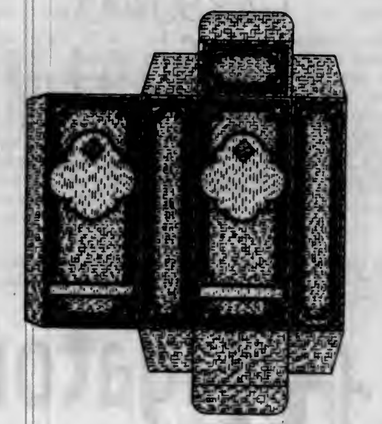
For Soap for Use on Animals.
Claims use since Mar. 14, 1940.

Ser. No. 430,303. RITE PACKING CORPORATION, Lyndhurst, N. J. Filed Apr. 4, 1940.

KoSo

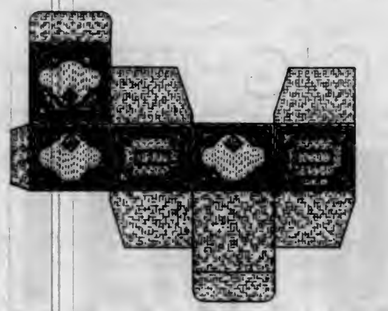
For Washing Powder.
Claims use since June 5, 1939.

Ser. No. 430,317. HECKER PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 3, 1940.



The lining on the drawing indicates the colors maroon and gold. No claim is made to the representation of a carton per se.
For Shoe Cleaner.
Claims use since Feb. 19, 1940.

Ser. No. 430,318. HECKER PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 3, 1940.



The lining on the drawing indicates the colors maroon and gold. No claim is made to the representation of a carton per se.
For Shoe Soap.
Claims use since Feb. 19, 1940.

Ser. No. 430,529. UNITED BUYERS CORPORATION, doing business as Foodcraft Products, Chicago, Ill. Filed Apr. 8, 1940.

Klenzcraft

For Toilet Soaps, Laundry Soap, Soap Flakes, Granulated Soap, Scouring Powder, and Toilet Bowl Cleaner.
Claims use since Feb. 10, 1937.

CLASS 5

Adhesives

Ser. No. 430,935. WALDEN-COOKE COMPANY, New York, N. Y. Filed Apr. 18, 1940.

GARPAC

For Mending Tape Comprising Fabric Strips Faced with Adhesive Material.
Claims use since Jan. 14, 1940.

Ser. No. 430,936. WALDEN-COOKE COMPANY, New York, N. Y. Filed Apr. 18, 1940.

WALPAC

For Mending Tape Comprising Fabric Strips Faced with Adhesive Material.
Claims use since Jan. 14, 1940.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 418,609. JAMES G. THOMAS, Wells River, Vt. Filed Apr. 22, 1939.

Vetsbest

For Medicine for Scour Treatment.
Claims use since Feb. 25, 1939.

Ser. No. 419,055. SIXTEEN MILLIMETER SOUND FILMS, INC., Boston, Mass. Filed May 2, 1939.

X-Y REVERSAL COMPOUND

The words "Reversal Compound" are disclaimed.
For Chemicals and Chemical Compounds for Use in the Developing and/or Reversal of Still and/or Motion Picture Film.
Claims use since Oct. 31, 1938.

Ser. No. 428,706. F. SHERIDAN COMPANY, INCORPORATED, Detroit, Mich. Filed Feb. 19, 1940.

FOOT-MEDIK

The term "Foot" is disclaimed apart from the mark.
For Preparation to Be Used for the Treatment of Athlete's Foot.
Claims use since April, 1939.

Ser. No. 429,806. BOYCE THOMPSON RESEARCH FOUNDATION, INC., Yonkers, N. Y. Filed Mar. 21, 1940.

FRULITE

For Food Preservative in Powder or Tablet Form.
Claims use since Feb. 28, 1940.

Ser. No. 430,097. ROBINSON & SONS, LIMITED, Chesterfield, England. Filed Mar. 28, 1940.



The words "Animalintex" "Poultice" and "Sedative Emollient" and the cross device in red or in white on a red ground are disclaimed apart from the mark. The vertical lines are for shading.

For Medicated Surgical Dressing Used for Wounds, Boils, Abscesses, Burns, Scalds, Bone Diseases, Bruises, Contusions, Ringworms, Sprains, Eczema, and Other Similar Uses.

Claims use since January, 1934.

Ser. No. 430,135. HOUBIGANT, INC., New York, N. Y. Filed Mar. 29, 1940.

TRANSLUCIDE

For Perfume, Toilet Water, Skin Lotion, Cold Cream, Face Powder, Sachets, Dusting Powder, Talcum Powder, Compact Powder, Compact Rouge, Bath Salts, Brilliantine, Lipstick, and Bandoline.

Claims use since Mar. 27, 1940.

Ser. No. 430,168. ABBOTT LABORATORIES, North Chicago, Ill. Filed Mar. 30. 1940.

MEQUINONE

For Product Having the Properties of Vitamin K.

Claims use since Mar. 5, 1940.

Ser. No. 430,251. JAMES BRUCE STENHOUSE, Chicago. Ill. Filed Apr. 1, 1940.

DYE-ANA

No claim is made to the word "Dye" apart from the mark shown.

For Dyes and Tints.

Claims use since Mar. 15, 1940.

Ser. No. 430,305. L. MILES BAER, Philadelphia, Pa. Filed Apr. 3, 1940.

RU-POM

For Hair Pomade.

Claims use since June 1, 1914.

Ser. No. 430,385. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Apr. 5, 1940.

CARBOWAX

For Chemical Compounds for Use as Plasticizers for Casein, Gelatin, Glue, Cork, etc., for Use as Sizes, Binding Agents, Softeners, Lubricants, Humectants, Preservatives, Adhesives, etc., for Use as Softeners of Textile, Leather, Paper and Other Porous Materials, for Use as a Base for Cosmetic Creams and Lotions, for Use as a Binder for Pigments in Paints, Calcimines, Printing Inks, Dressings for Shoes, Belts, etc., and for Various Other Uses in the Industrial Arts.

Claims use since Jan. 17, 1940.

Ser. No. 431,020. A. J. PAPARELLI, doing business as San Pedro Laboratories, San Antonio, Tex. Filed Apr. 20, 1940.

Migaton

For Medicinal Preparation for Stimulating the Appetite, for Minor Conditions of Debility and Underweight Due to Nervous Conditions, and for Common Colds.

Claims use since August, 1934.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 430,088. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Mar. 28, 1940.

CIG-PAK

The word "Pak" is disclaimed apart from the mark.

For Leather Covers for Cigarette Packs.

Claims use since Feb. 17, 1940.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 427,418. LOUIS BARTON, Elizabeth, N. J. Filed Jan. 12, 1940.

Mini-Matches

The word Matches is disclaimed apart from its use in the mark shown.

For Book Matches in Miniature Form.

Claims use since Oct. 28, 1939.

Ser. No. 428,418. BARD GORRELL COMPANY, New York, N. Y. Filed Feb. 10, 1940.

The Match Book of Knowledge

No claim is made to the words "Match Book" apart from the mark as shown.

For Matches.

Claims use since Jan. 25, 1940.

CLASS 12

Construction Materials

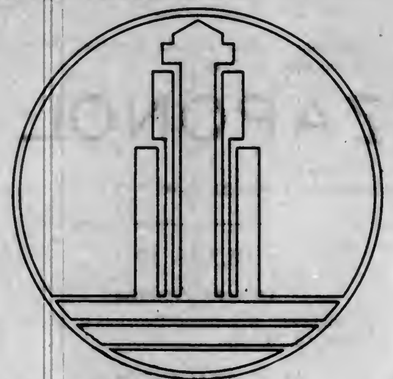
Ser. No. 426,367. MARSH WALL PRODUCTS, INC., Dover, Ohio. Filed Dec. 8, 1939.

MACOLITE

For Sheet Wall Covering in the Nature of Wall Board Comprising a Fiber Base Coated With Liquid and Processed Under Heat to Produce a Washable, Wear Resisting Wall Surface.

Claims use since Aug. 1, 1938.

Ser. No. 429,536. THE PERMANENTE CORPORATION, San Jose, Calif. Filed Mar. 13, 1940.



For Portland Cement.

Claims use since Jan. 31, 1940.

Ser. No. 429,902. GLADDING, MCBEAN & Co., Los Angeles, Calif. Filed Mar. 23, 1940.

TEMPO

For Wall Tile and Floor Tile.

Claims use since July 18, 1939.

Ser. No. 429,983. KEASBEY & MATTISON COMPANY, Ambler, Pa. Filed Mar. 26, 1940.

BOARD

No claim is made to the word "Board" apart from the mark.

For Fire-Resistant Building Boards, Insulating and Sound-Deadening Boards, Composition Boards, and Particularly Adapted for Use as a Building Material, Partitions, Steamship Interior Construction Materials and for Other Building and Construction Purposes.

Claims use since Mar. 1, 1940.

Ser. No. 430,150. SELBY, BATTERSBY & COMPANY, Philadelphia, Pa. Filed Mar. 29, 1940.

FORANAFT

For Materials for Plastic and Mastic Floor and Deck Coverings.

Claims use since Dec. 13, 1939.

Ser. No. 430,273. THE EDUCATIONAL SUPPLY ASSOCIATION LIMITED, London, England. Filed Apr. 2, 1940.

ESAVIAN

For Doors and Window Frames.

Claims use since 1913.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 418,238. COLUMBUS PLASTIC PRODUCTS INC., Columbus, Ohio. Filed Apr. 14, 1939.



For Clothesline and Lawn Hose Reels.

Claims use since Feb. 1, 1939.

Ser. No. 430,259. WALWORTH PATENTS INC., Boston, Mass. Filed Apr. 1, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

SILBRAZ

For Metal Pipe Joints.

Claims use since Feb. 20, 1940.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 423,902. CHILD HAROLD WILLS, Detroit, Mich. Filed Sept. 27, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

AMOLA

For Steel Wire.

Claims use since Aug. 30, 1939.

Ser. No. 426,997. GREAT LAKES STEEL CORPORATION, Ecorse, Mich. Filed Dec. 30, 1939.

DUCTILOY

For High Tensile Alloy Steel.
Claims use since Mar. 23, 1938.

CLASS 15

Oils and Greases

Ser. No. 421,536. PORTABLE PLATING AND EQUIPMENT COMPANY, Chicago, Ill. Filed July 13, 1939.

Supersolv

For Addition Agents, of a Lubricating Character Whose Composition Consists of Mixtures of Oils, Hydrocarbon Derivatives and Chemical Compounds, for Lubricating Oils and Fuel Oils.
Claims use since June 30, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 419,718. M. EWING FOX CO., INC., New York, N. Y. Filed May 23, 1939.

ROCA

PINTURA de AGUA

The words "Pintura de Agua" are disclaimed apart from the mark.
For Cold Water Paint in Powder Form.
Claims use since November, 1927.

Ser. No. 423,920. H. PETE MILLS, doing business as Eze-Glos Co., Cincinnati, Ohio. Filed Sept. 25, 1939.

EZE-GLOS

No claim is made to the word "Eze-Glos" apart from the mark.
For Liquid Wax Polish.
Claims use since January, 1935.

Ser. No. 428,813. WM. E. HOOPER & SONS COMPANY, Baltimore, Md. Filed Feb. 23, 1940.

PROTECTAFORM

For Protective Coating in the Nature of a Paint for Use on Concrete, Cement, and Similar Materials, and for Use on Forms for Concrete and Cement Which are Made of Lumber, Metal, Plywood, and Various Composition Materials, Especially Forms Which are Made to Be Reused a Number of Times.
Claims use since Dec. 20, 1938.

Ser. No. 429,966. ATLAS POWDER COMPANY, Wilmington, Del. Filed Mar. 26, 1940.

ZAPONOL

For Wood Stain.
Claims use since Feb. 29, 1940.

CLASS 17

Tobacco Products

Ser. No. 430,422. STEPHANO BROTHERS, Philadelphia, Pa. Filed Apr. 5, 1940.

SALUTE



The figure is fanciful.
For Smoking Tobacco.
Claims use since Mar. 26, 1940.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 422,550. THE MASTER ELECTRIC COMPANY, Dayton, Ohio. Filed Aug. 12, 1939.

SPEEDMASTER

For Electrically Operated Hoists and Parts Thereof.
Claims use since May 26, 1939.

Ser. No. 429,162. AUTOMATIC PRODUCTS COMPANY, Milwaukee, Wis. Filed Mar. 4, 1940.

AP

For Electric Solenoids, Transformers, Converters, and Condensers.
Claims use since Oct. 6, 1931.

Ser. No. 429,582. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Mar. 14, 1940.

RECTOMATIC

For Battery Chargers.
Claims use since Jan. 18, 1940.

Ser. No. 429,747. RCA MANUFACTURING COMPANY, INC., Camden and Harrison, N. J. Filed Mar. 19, 1940.

MICANOL

For Electron Discharge Tube Pin Bases.
Claims use since Dec. 18, 1939.

Ser. No. 430,492. DAY-BRITE LIGHTING, INC., St. Louis, Mo. Filed Apr. 8, 1940.

PARALUME

For Electric Lighting Fixtures, Particularly Fluorescent Industrial Fixtures.
Claims use since Feb. 8, 1940.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 426,861. MCLOUGHLIN BROS., INC., Springfield, Mass. Filed Dec. 23, 1939.

SQUEEKUM

For Musical Toy Book.
Claims use since Dec. 1, 1939.

Ser. No. 427,456. RUTH S. BERMAN, doing business as The Judy Company, Minneapolis, Minn. Filed Jan. 15, 1940.

THE JUDY COMPANY
JUDY
EDUCATIONAL PLAY MATERIALS
TOYS
MINNEAPOLIS MINNESOTA

The words "Educational Play Materials" "Toys", and "Minneapolis, Minnesota," are disclaimed.
For Puzzle Games.
Claims use since Jan. 1, 1939.

Ser. No. 430,089. FRANCIS LUIS MORA, New York, N. Y. Filed Mar. 28, 1940.
For Doll or Toy Used Like a Doll.



Claims use since Oct. 31, 1939.

Ser. No. 430,538. MAX BORDEN, doing business as Jaymar Specialty Company, Brooklyn, N. Y. Filed Apr. 9, 1940.

DEBBY DOLL DRESSES
LATEST FASHIONS
FOR DOLLS

The words "Doll Dresses" and "Latest Fashions for Dolls" are disclaimed apart from the word "Debby".
For Dolls' Dresses.
Claims use since Jan. 31, 1940.

Ser. No. 430,761. JULIA MAYER CLINE, Shreveport, La. Filed Apr. 15, 1940.

Julie Ann

For Hand Painted Wooden Dolls.
Claims use since July 10, 1939.

Ser. No. 430,917. KING PITCHING DEVICE COMPANY, INC., Monroeville, N. J. Filed Apr. 18, 1940.

KING KONTROL

For Pitching Targets.
Claims use since Mar. 25, 1940.

Ser. No. 431,186. ARCO PLAYING CARD COMPANY, Chicago, Ill. Filed Apr. 24, 1940.

DURALOID

For Playing Cards.
Claims use since Feb. 14, 1940.

Ser. No. 431,290. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Apr. 27, 1940.

COMMANDER

For Billiard Tables.
Claims use since Apr. 9, 1940.

Ser. No. 431,332. STANDARD TOYKRAFT PRODUCTS, INC., Brooklyn, N. Y. Filed Apr. 27, 1940.

TRU-ART

For Toy Crayon and Paint Sets.
Claims use since Mar. 11, 1940.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 428,609. CHRYSLER CORPORATION, Highland Park, Mich., and Dayton, Ohio. Filed Feb. 16, 1940.

AIRTEMP

For Refrigerant Compressors and Fuel Pumps for Oil Burners.
Claims use since February, 1935, on compressors; and since July 26, 1938, on pumps.

Ser. No. 428,711. UNIVERSAL WINDING COMPANY, Boston, Mass., and Cranston, R. I. Filed Feb. 19, 1940.

ROTO-CONER

The word "Coner" is disclaimed apart from the mark.
For Machines, Apparatus, and Parts Thereof for Winding Thread, Yarn, Cord, Twine, Rope, Wire, and the Like.
Claims use since December, 1936.

Ser. No. 430,393. GULF COAST MACHINE & SUPPLY COMPANY, Beaumont, Tex. Filed Apr. 5, 1940.

GULFCO

For Oil Field Equipment—Namely, Casing Heads, Braden Heads, Tubing Heads, Wire Line Guides, Casing Clamps, Anchor Clamps, Gate Safeties, Casing Shoes, Jay Tools, Setting Tools, Rotary Drill Collars, Rotary Drilling Bits, Rotary Shoes, Steel Liners, Fishtail Bits, Pipe Saddles, Line Blocks, Tong Blocks, Hay Blocks, Crown Blocks, Traveling Blocks, and Snatch Blocks.
Claims use since February, 1922.

Ser. No. 430,483. BUTLER BROTHERS, Chicago, Ill. Filed Apr. 8, 1940.

MAJESTY

For Scissors.
Claims use since Dec. 12, 1939.

Ser. No. 430,581. CAMPBELL DAIRY MACHINERY COMPANY, Hampshire, Ill. Filed Apr. 11, 1940.

CARAVAN

For Case and Can Conveyors, Milk Can Washers, Sterilizers, and Driers, and Parts Thereof.
Claims use since Jan. 12, 1940.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 429,161. AUTOMATIC PRODUCTS COMPANY, Milwaukee, Wis. Filed Mar. 4, 1940.



For Hygrometers, Thermostats, Humidity Conditioning Control Units, Thermostatic Heating Control Units, Solenoid Valves, Thermostatic Valves and Conversion Units for Converting Oil Control Valves from Manual to Automatic Control.
Claims use since Oct. 6, 1931.

Ser. No. 430,489. CHRYSLER CORPORATION, Highland Park, Mich. Filed Apr. 8, 1940.

MoPar

For Fuel Gauge and Oil Gauge.
Claims use since Dec. 19, 1939.

Ser. No. 430,656. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Apr. 11, 1940.

FRIGIDMASTER

For Hydrometers.
Claims use since Mar. 8, 1940.

CLASS 27

Horological Instruments

Ser. No. 429,853. HAMILTON WATCH COMPANY, Lancaster, Pa. Filed Mar. 22, 1940.

MEDALLION

For Watches of All Types—i. e., Pocket Watches, Wrist Watches, Brooch Watches, Chatelaine Watch, Watch Cases, Watch Dials, Watch Parts, and Watch Attachments of All Types, Sold with Watches as a Unit—i. e., Strap Attachments, Bracelets Attachments, Chain Attachments, and Pin Attachments.
Claims use since 1920.

Ser. No. 430,337. JACOB A. SILVER, New Haven, Conn. Filed Apr. 3, 1940.

SPARE

For Watches.
Claims use since Mar. 29, 1940.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 428,164. OHIO BRUSH CO. CINN., OHIO, Brooklyn, N. Y. Filed Feb. 2, 1940.



No claim is made for the words "Tooth Brush."
For Tooth Brushes.
Claims use since Dec. 1, 1938.

CLASS 31

Filters and Refrigerators

Ser. No. 430,762. COLBAR, INC., Columbus, Ohio. Filed Apr. 15, 1940.

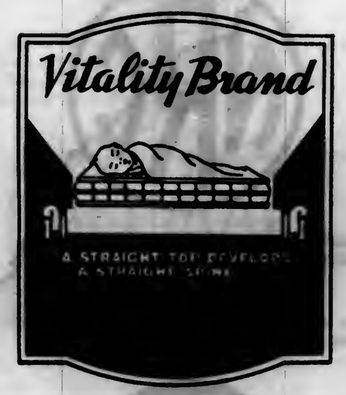
COLBAR

For Electric Refrigerators and Bottle Coolers.
Claims use since Feb. 1, 1940.

CLASS 32

Furniture and Upholstery

Ser. No. 427,218. MAX WEISBERG, INC., New York, N. Y. Filed Jan. 6, 1940.



No claim is made to the representation of the goods and to the words "Brand" and "A Straight Top Develops a Straight Spine" apart from the mark.
For Mattresses.
Claims use since June, 1938.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 426,883. THE FLY ASH ARRESTOR CORPORATION, Birmingham, Ala. Filed Dec. 26, 1939.



For Flue Stack Fly Ash Arrestors and Stokers.
Claims use since Feb. 23, 1939.

Ser. No. 429,910. THE NATIONAL RADIATOR COMPANY, Johnstown, Pa. Filed Mar. 23, 1940.

NRC

For Steam and Hot Water Heating Boilers.
Claims use since July, 1937.

Ser. No. 430,291. SECURITY MANUFACTURING COMPANY, Kansas City, Mo. Filed Apr. 2, 1940.

THE SGP Line

For Furnaces.
Claims use since Mar. 9, 1940.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 431,300. EASTERN ALLIED SALES CORP., New York, N. Y. Filed Apr. 27, 1940.

TAPROID

For Synthetic Rubber Tubing.
Claims use since Dec. 15, 1939.

CLASS 36

Musical Instruments and Supplies

Ser. No. 430,606. GEORGE KINGSLEY, doing business as Discavox Dictating Machine Company, London, England. Filed Apr. 10, 1940.

DISCAVOX

For Dictating Machines, and Sound-Recording and Sound-Reproducing Apparatus.
Claims use since Mar. 31, 1936.

CLASS 37

Paper and Stationery

Ser. No. 417,464. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Mar. 24, 1939.

FLEECE

For Toilet Tissue.
Claims use since Feb. 1, 1934.

Ser. No. 426,787. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Dec. 20, 1939.

Quali-Craft

The word "Craft" is disclaimed apart from the mark.
For Poster Papers, Showcard, Poster Board, Cardboard, Process Board, Metallic Board, Display Board, Duplex Paper, Foil Paper, Decalcomania Paper, Tracing Paper, Mat Board, Mounting Board, Drawing Paper in Sheets and Rolls, Crayons, Charcoal Stick Crayons, Pens, Pencils, Display Stands or Easels, Erasers, Display Paper, Decorative Paper and Screen Process Paper.
Claims use since Sept. 29, 1909.

Ser. No. 427,384. MILWAUKEE PAPER SUPPLY CO., Milwaukee, Wis. Filed Jan. 12, 1940.

Ruby

For Household Paper Supplies Comprising Waxed Paper, Waxed Paper Lunch Rolls, Dry and Waxed Shredded Paper, Shelf Paper, Paper Tissues, Paper Butter Wraps, Waxed Lunch Paper, Roll Paper Towels, Waxed Cake Pan Paper, Waxed Garbage Bag Papers, Paper Napkins, Paper Doilies, Box Cover Papers and Paper Aprons.
Claims use since January, 1933.

Ser. No. 428,864. EUGENE DIETZGEN CO., Chicago, Ill. Filed Feb. 24, 1940.

DRAFTEX

For Drafting Material and Supplies for the Production of Drawings—Namely, Drawing and Tracing Paper, and Prepared Fabric for Tracing and Drafting Purposes.
Claims use since May 1, 1939.

Ser. No. 429,669. SHAKESPEARE PRODUCTS COMPANY, Kalamazoo, Mich. Filed Mar. 16, 1940.

Flex-O-coil

No claim is made to the word "Coil" apart from the mark.
For Binding Element or Member in the Nature of a Coil or Embodying Spaced Groups of Coils for Loose Sheets or Leaves.
Claims use since June 15, 1938.

Ser. No. 430,342. TESTED PAPERS OF AMERICA, INC., Chicago, Ill. Filed Apr. 3, 1940.

TESTEX

For Toilet Tissue, Facial Tissue, Wax Paper, Paper Napkins, and Paper Towels.
Claims use since Jan. 6, 1940.

CLASS 38

Prints and Publications

Ser. No. 425,229. HYMAN D. BOWMAN, doing business as Share-It Sales Service, Pittsburgh, Pa. Filed Nov. 4, 1939.

SHARE-IT

For Placards and Posters, Printed Advertisements—Namely, Printed Cardboard Signs, Printed Sheets and Printed Tags, Sold as Such.
Claims use since Aug. 11, 1939.

Ser. No. 426,430. JULIUS DINTENFASS, doing business as Science Sidelights Co., New York, N. Y. Filed Dec. 11, 1939.

SCIENCE SIDELIGHTS

For Monthly Scientific News Publication.
Claims use since September, 1932.

Ser. No. 427,183. WHITMAN PUBLISHING COMPANY, Racine, Wis. Filed Jan. 5, 1940.

CRACKAJACK Funnies

For Periodical Publication Published from Time to Time.
Claims use since May 6, 1938.

Ser. No. 427,922. LORNA W. SIMPSON, Fort Lauderdale, Fla. Filed Jan. 25, 1940.

THE PELICAN'S POUCH

For Children's News Feature Series.
Claims use since Mar. 16, 1938.

Ser. No. 428,213. HOGLE & TAYLOR COMPANY, New York, N. Y. Filed Feb. 3, 1940.

10 POINT Super-Tone PROCESS

The words "Process" and "Tone" are disclaimed apart from the mark.
For Photographs, Sold to the Trade as Such.
Claims use since Nov. 16, 1937.

Ser. No. 428,550. HALL BROTHERS, INCORPORATED, Kansas City, Mo. Filed Feb. 14, 1940.

HALLMARK

For Greeting Cards.
Claims use since Jan. 25, 1925.

Ser. No. 428,897. LOUIS WOLFE, New York, N. Y. Filed Feb. 24, 1940.

WHAT WOULD YOU DO?

For Comic Strip Published Monthly.
Claims use since Jan. 15, 1940.

Ser. No. 429,057. THE KEEVER STARCH COMPANY, Columbus, Ohio. Filed Feb. 29, 1940.

The Institutional LAUNDRY

For Monthly Publication, The Subject-Matter of Which Covers Practical Information on Problems in the Operation of Laundries in Private and Public Institutions.
Claims use since Apr. 1, 1938.

Ser. No. 429,058. The KEEVER STARCH COMPANY, Columbus, Ohio. Filed Feb. 29, 1940.

THE RUG CLEANER

For Monthly Publication, The Subject-Matter of Which Covers Practical Information on the Cleaning of Rugs and Carpets.
Claims use since Apr. 1, 1936.

Ser. No. 429,359. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Mar. 8, 1940.

nickelsworth

For Magazine.
Claims use since April, 1933.

Ser. No. 430,307. BILBARA PUBLISHING COMPANY, INC., New York, N. Y. Filed Apr. 3, 1940.

CYCLONE COMICS

For Periodical.
Claims use since Mar. 7, 1940.

CLASS 39

Clothing

Ser. No. 405,501. GLOBE KNITTING WORKS, Grand Rapids, Mich. Filed Apr. 20, 1938.

FOOTLITE

For Hosiery.
Claims use since Jan. 14, 1932.

Ser. No. 418,910. WULF BROS., INC., New York, N. Y. Filed Apr. 29, 1939.



The outline of the label is disclaimed.
For Boys', Young Men's, and Men's Suits.
Claims use since January, 1939.

Ser. No. 424,774. JENCO BROTHERS, INC., Paterson, N. J. Filed Oct. 21, 1939.

Duwear

For Rubber Heels.
Claims use since May 1, 1939.

Ser. No. 426,360. KAY DUNHILL INCORPORATED, Long Branch, N. J. Filed Dec. 8, 1939.



Applicant disclaims the word "Junior."
For Ladies', Misses', and Juniors' Dresses.
Claims use since Nov. 11, 1939.

Ser. No. 428,265. MILFORD J. STRAUSS, doing business as Sally Frances Company, Dallas, Tex. Filed Feb. 5, 1940.



For Women's Sportswear—Namely, Play Suits, Three Piece Sports Dresses, Slack Suits, Consisting of Blouses and Slacks, and Housecoats; and Women's Lingerie—Namely, Nightgowns, Slips, and Sleeping Pajamas.
Claims use since June 7, 1939.

Ser. No. 428,767. ROBINSON'S WOMEN'S APPAREL, INC., New York, N. Y., and Flint, Mich. Filed Feb. 21, 1940.



The words "Styled by" and "Juniors" are disclaimed apart from the mark.
For Junior Size Dresses.
Claims use since Oct. 1, 1938.

Ser. No. 429,135. REGAL SHOE COMPANY, New York, N. Y. Filed Mar. 2, 1940.



For Boots, Shoes, and Slippers Made of Leather, Fabric, and Rubber, and Combinations Thereof, Hosiery, Garters, and Suspenders.
Claims use since Jan. 1, 1921.

Ser. No. 429,405. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Mar. 9, 1940.

Interwoven

INTERLASTIC

For Hosiery.
Claims use since Feb. 22, 1940.

Ser. No. 429,547. TRIMOUNT CLOTHING CO. INC., Boston, Mass. Filed Mar. 13, 1940.



The words "Luxury", "Durability", "Warmth", and "Fabric" are disclaimed apart from the mark. The outline of the label per se is disclaimed.
For Garments Consisting of Men's, Young Men's, and Boys' Suits, Overcoats, Topcoats, Sport Suits, Sport Jackets, Trousers, Outer Shirts, and Undershirts, Blouses, Socks, Stockings, and Shoes of Leather, Fabric, or Rubber, or a Combination of Said Materials.
Claims use since Feb. 26, 1940.

Ser. No. 429,703. JAY-DAY DRESS CO. INC., New York, N. Y. Filed Mar. 18, 1940.



The word "Fashion" and the outline of the label are disclaimed apart from the mark.
For Women's and Misses' Dresses.
Claims use since Jan. 31, 1940.

Ser. No. 429,738. J. H. KIMBALL, INC., New York, N. Y. Filed Mar. 19, 1940.



The word "Handkerchief" is disclaimed apart from the mark. The monogram on the drawing is "J H K".
For Handkerchiefs.
Claims use since July 1, 1939.

Ser. No. 429,805. BONWIT TELLER, INC., New York, N. Y. Filed Mar. 21, 1940.

"LIFE RED"

Applicant disclaims the word "Red" except as shown.
For Women's and Misses' Blouses; Sweaters; Dresses; Coats; Suits; Outer Skirts; Hats; Scarfs; Belts for Outer Wear; Handkerchiefs; Shoes Made of Leather, Fabric and Combinations Thereof; Hosiery, Gloves Made of Leather and Fabric; and Underwear—i. e., Slips, Petticoats, Brassières, Girdles, Corsets, Bloomers, and Panties.
Claims use since Mar. 15, 1940.

Ser. No. 429,929. BONWIT TELLER, INC., New York, N. Y. Filed Mar. 25, 1940.

"TIGRESS"

For Women's and Misses' Blouses; Sweaters; Dresses; Coats; Suits; Outer Skirts; Hats; Scarfs; Belts for Outer Wear; Handkerchiefs; Shoes Made of Leather, Fabric and Combinations Thereof; and Underwear—i. e., Slips, Petticoats, Brassières, Girdles, Corsets, Bloomers, and Panties.
Claims use since Mar. 22, 1940.

Ser. No. 429,953. HELENE PONS, doing business as Helene Pons Studio, New York, N. Y. Filed Mar. 25, 1940.

Helene Pons

"Brainwave"

The name Helene Pons is a facsimile of applicant's signature.
For Ladies' Hats.
Claims use since Feb. 15, 1940.

Ser. No. 429,958. BENNO STRAUSS, New York, N. Y. Filed Mar. 25, 1940.



The picture is fanciful.
For Diapers.
Claims use since July 1, 1939.

Ser. No. 429,965. APEX DRESS CO. INC., New York, N. Y. Filed Mar. 25, 1940.



The words "Advance Modes" are disclaimed apart from the mark.
For Ladies', Misses', and Junior Dresses and Suits.
Claims use since Jan. 2, 1919.

Ser. No. 430,047. TIMELY CLOTHES, INCORPORATED, Rochester, N. Y. Filed Mar. 27 ,1940.

Burwell

For Men's Clothing—Namely, Suits, Topcoats, Overcoats, and Trousers.
Claims use since Jan. 23, 1940.

Ser. No. 430,129. GEORGE FROST COMPANY, Boston, Mass. Filed Mar. 29, 1940. Under section 5b of the act of 1905 as amended in 1920.

BOSTON BELTS

No claim is made to the word "Belts" apart from the mark.
For Apparel Belts.
Claims use since Mar. 1, 1929.

Ser. No. 430,131. PHILIP GREINETS, doing business as Los Wigwam Weavers, Denver, Colo. Filed Mar. 29, 1940.

EL RICOS

LOS WIGWAM WEAVERS

No claim is made to the words "El Ricos" and "Weavers" apart from the mark.
For Neckties and Scarfs, Made of Woven, Knitted, and Textile Fabrics.
Claims use since Sept. 11, 1937.

Ser. No. 430,190. THE OHIO TRUSS COMPANY, Cincinnati, Ohio. Filed Mar. 30, 1940.

Air D'Amour

For Elastic Girdles.
Claims use since Feb. 20, 1940.

Ser. No. 430,227. GIMBEL BROTHERS, INC., New York, N. Y. Filed Apr. 1, 1940.

SNOWLAND FASHIONS
EXCLUSIVE WITH GIMBEL BROTHERS

Applicant disclaims the expressions "Fashions" and "Exclusive with Gimbel Brothers" except as shown.
For Men's, Women's, Girls', Boys', and Children's Snowsuits, Ski Suits, Coats, Jackets, Windbreakers, Leggings, Hats, Gloves Made of Leather, Fabric, and Combinations Thereof, Sweaters, Outer Skirts, Scarfs, Mufflers, Shoes Made of Leather, Fabric, Rubber and Combinations Thereof, Overshoes, Ski Pants, Ski Parkas, Hosiery, Underwear, and Earmuffs.
Claims use since Nov. 2, 1939.

Ser. No. 430,396. ABRAHAM GOLDSHOLL, Springfield, Mass. Filed Apr. 5, 1940.

LasticLok

For Slips.
Claims use since Mar. 1, 1940.

Ser. No. 430,445. GOODMAN & SUSS CLOTHES CORPORATION, New York, N. Y. Filed Apr. 6, 1940.

Kashalux

For Men's Coats, Vests, Trousers, Overcoats, and Topcoats.
Claims use since February, 1938.

Ser. No. 430,460. SHIELDS SLIPPER CORPORATION, Bombay, N. Y. Filed Apr. 6, 1940.

CAMPUS MIKLEKS

For Men's, Women's, and Children's Boots and Shoes Made of Leather and Fabrics.
Claims use since Feb. 29, 1940.

Ser. No. 430,463. SIMONS HATCH & WHITTEN COMPANY, Boston, Mass. Filed Apr. 6, 1940.

HAPPY MEDIUMS

For Men's and Boys' Underwear, Including Drawers, Shorts, Under Pants, and Under Shirts.
Claims use since Mar. 27, 1940.

Ser. No. 430,471. WALTER WEISS, doing business as Walter Weiss & Co., New York, N. Y. Filed Apr. 6, 1940.

HOROSCOPE

For Handkerchiefs.
Claims use since Mar. 27, 1940.

Ser. No. 430,575. LEHRER-HOWARD, INC., New York, N. Y. Filed Apr. 8, 1940.

Jayfred Jr.

For Coats, Suits, and Sportswear for Women and Misses, the Suits Comprising Generally Skirts and Jackets, and the Sportswear Comprising Skirts and Dresses.
Claims use since Jan. 1, 1940.

Ser. No. 430,595. FOWNES BROTHERS & COMPANY, INC., New York, N. Y. Filed Apr. 10, 1940.

DOVETTE

For Gloves Made of Leather, Fabric, and Combinations Thereof.
Claims use since Feb. 19, 1940.

Ser. No. 430,624. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Filed Apr. 10, 1940.

PLIAGLASS

For Trouser-Supporting Belts, Garters, and Suspenders.
Claims use since Mar. 28, 1940.

Ser. No. 430,686. G. H. S. CORPORATION, New York, N. Y. Filed Apr. 12, 1940.

Colonial

For Hair Nets.
Claims use since January, 1909.

Ser. No. 430,688. G. H. S. CORPORATION, New York, N. Y. Filed Apr. 12, 1940.

La Marcelle

For Hair Nets.
Claims use since December, 1906.

Ser. No. 430,787. MARLBORO SHIRT COMPANY, INC., Baltimore, Md. Filed Apr. 15, 1940.

VITAGAB

For Men's and Boys' Outer Shirts, Sport Shirts, Shirt and Pants Ensembles for Outer Wear, Ensembles of Outer Shirts and Neckties, and Sport Coats.
Claims use since August, 1939.

Ser. No. 430,793. C. D. OSBORN CO., Chicago, Ill. Filed Apr. 15, 1940.

EL TORO

For Gloves Made of Leather, Fabric, and/or Combinations Thereof.
Claims use since Mar. 27, 1940.

Ser. No. 430,794. C. D. OSBORN CO., Chicago, Ill. Filed Apr. 15, 1940.

THE HAYMAKER

For Gloves Made of Leather, Fabric, and/or Combinations Thereof.
Claims use since Mar. 27, 1940.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 425,585. ROLLOCURL CORPORATION, New York, N. Y. Filed Nov. 13, 1939.

AVTOPIN

Applicant makes no claim to "Pin", per se, apart from the mark.
For Hair Curling Combs.
Claims use since July 10, 1939.

Ser. No. 429,133. REGAL SHOE COMPANY, New York, N. Y. Filed Mar. 2, 1940.

REGAL

For Shoe Horns Made of Base Metal and Composition Materials, and Shoe Laces.
Claims use since Jan. 1, 1900.

Ser. No. 429,293. ISRAEL BLOOM, New York, N. Y. Filed Mar. 7, 1940.

GLUV GARD



The words "Gluv-Gard" are disclaimed apart from the mark.
For Device for Carrying Gloves Consisting of Parallel Lengths of Chains Made of Base Metal.
Claims use since Feb. 28, 1940.

Ser. No. 429,908. MANCO WATCH STRAP CO., New York, N. Y. Filed Mar. 23, 1940.

Topps

For Watch Straps Made of Leather, Fabric, or Combinations Thereof.
Claims use since May 22, 1939.

Ser. No. 430,404. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Apr. 5, 1940.

Petal-fresh

The word "Fresh" is disclaimed apart from the mark.
For Dress Shields.
Claims use since Mar. 28, 1940.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 416,106. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; Denver, Colo.; and St. Louis, Mo. Filed Feb. 16, 1939.

REGENCY

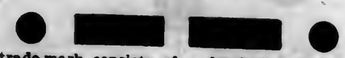
For Curtains and Draperies, Made of Cotton, Cotton and Rayon, Rayon and Silk and Rayon, Not Including Lace Curtains.
Claims use since Feb. 6, 1939.

Ser. No. 426,254. FAHEY-BROCKMAN, Seattle, Wash. Filed Dec. 5, 1939.

Husky Twist

No claim is made to the word "Twist" apart from the mark.
For Woolen Suitings in the Piece.
Claims use since Oct. 3, 1939.

Ser. No. 429,746. PEERLESS WEAVING COMPANY, INC., Pawtucket, R. I., and New York, N. Y. Filed Mar. 19, 1940.



The trade-mark consists of a dot-dash-dash-dot figure arrangement.
For Rayon and Cotton Fabrics in the Piece.
Claims use since Feb. 2, 1940.

Ser. No. 429,839. BLUMENTHAL PRINT WORKS, New Orleans, La. Filed Mar. 22, 1940.



No claim is made to the words "Health" and "Fabric" apart from the mark.
For Mattress and Upholstery Coverings in the Piece.
Claims use since Feb. 12, 1940.

Ser. No. 429,857. LEATHER LINE COMPANY, Gloversville, N. Y. Filed Mar. 22, 1940.

CHAMOID

For Knitted and Textile Fabrics Made of Cotton, Wool, Silk, Rayon, or Other Textile Materials and Flocked on One or Both Sides Sold in Bolts, Rolls, and by the Piece.
Claims use since Mar. 14, 1940.

Ser. No. 430,114. WULLSCHLEGER & CO., New York, N. Y. Filed Mar. 28, 1940.

PHYLLISETTE

For Silk and Rayon Piece Goods.
Claims use since Mar. 11, 1940.

CLASS 43

Thread and Yarn

Ser. No. 421,986. E. WALL & Co., Bradford, Yorkshire, England. Filed July 26, 1939.

WALCO

For Knitting and Rug Yarns.
Claims use since Oct. 12, 1932.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 431,087. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 22, 1940.

Cellu-Fluffs

For Sanitary Napkins.
Claims use since August, 1938.

Ser. No. 431,226. SEABURY, INC., New Brunswick, N. J. Filed Apr. 25, 1940.

EVE

For Sanitary Napkins.
Claims use since Apr. 2, 1940.

CLASS 45

Beverage, Nonalcoholic

Ser. No. 426,237. EDWARD WOLFF, Chicago, Ill. Filed Dec. 4, 1939.

REVIGO

For Natural Mineral Spring Water.
Claims use since Apr. 25, 1937.

Ser. No. 428,340. YORKSHIRE, LTD., Las Vegas, Nev. Filed Feb. 7, 1940.



For Ginger Beer and Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Jan. 26, 1940.

Ser. No. 428,441. NATIONAL DRY LIMITED OF LONDON, CANADA, London, Ontario, Canada. Filed Feb. 10, 1940.



The words "Good Alone or in Company" are disclaimed apart from the mark.
For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since Aug. 1, 1933.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 408,080. AYRSHIRE BREEDER'S ASSOCIATION, Brandon, Vt. Filed July 1, 1938.



The words "Ayrshire", "Approved Milk", and "Nature's Finest Food" are disclaimed apart from the mark.
For Fresh Milk.
Claims use since Mar. 25, 1938.

Ser. No. 414,539. EITARO SUZUKI, Hiroshima, Japan. Filed Jan. 5, 1939.



The words in the Japanese characters which read in translation "Taste Japan" are disclaimed apart from the mark.
For Seasoning Preparation Containing as Essential Component Sodium Salt of Glutamic Acid.
Claims use since Nov. 12, 1932.

Ser. No. 416,148. KRAFT-PHENIX CHEESE CORPORATION, Chicago, Ill., now by change of name Kraft Cheese Company. Filed Feb. 17, 1939.

Lacta-Fatner

Applicant is the owner of U. S. Trade-Mark Registration No. 149,363. No claim is made to the word "Fatner" apart from the mark shown.
For Stock or Poultry Food Containing Condensed Whey with Added Rye Feed.
Claims use since March, 1938.

Ser. No. 422,611. ICE CREAM PRODUCTS, INC., Chicago, Ill. Filed Aug. 7, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

FRIZZ

Applicant is the owner of trade-mark registration No. 360,165, registered Sept. 6, 1938.

For Ice Cream Mix Comprising Specially Treated Milk Solids with Milk or Cream and with or Without Sugar and Flavoring, in Liquid Form.

Claims use since Mar. 10, 1939.

Ser. No. 425,162. EMMETT E. OLIVER, Nogales, Ariz. Filed Nov. 2, 1939.

INDIAN WARRIOR



For General Line of Fresh Produce—Namely, Fresh Tomatoes, Fresh Peppers, Green Peas, and Lettuce.

Claims use since Oct. 15, 1928.

Ser. No. 425,277. DONNER COMMISSION CO., doing business as Fiebrantz & Benz, Milwaukee, Wis. Filed Nov. 6, 1939.

HIAWATHA

For Fresh Dressed Poultry.

Claims use since Aug. 2, 1939.

Ser. No. 426,767. EARLE WHOLESALE GROCERY CO., Earle, Ark. Filed Dec. 20, 1939.

WHITE KING

For Wheat Flour, Corn Meal, Rice, Cocoanut, Salad Dressing, Salad Spread, Black Pepper, Vinegar, Mustard.

Claims use since Oct. 24, 1934.

Ser. No. 427,116. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as State Mill and Elevator, Grand Forks, N. Dak. Filed Jan. 3, 1940.



VITA-GEMS

Applicant is the owner of trade-marks Nos. 193,246, Dec. 23, 1924; 194,010, Jan. 13, 1925; and 280,442, Aug. 18, 1930.

For Wheat Embryo for Use with Dry and Cooked Cereals, Muffins, and Other Food and Bakery Products.

Claims use since Dec. 12, 1939.

Ser. No. 427,200. GOURMET MILK PRODUCTS, New York, N. Y. Filed Jan. 6, 1940.

STAY YOUNG
on
Yogourt

No claim is made to the word "Yogourt" apart from the mark shown.

For Cultured Milk.

Claims use since June, 1939.

Ser. No. 427,225. COSMO SALADS, INC., New York and Brooklyn, N. Y. Filed Jan. 9, 1940.

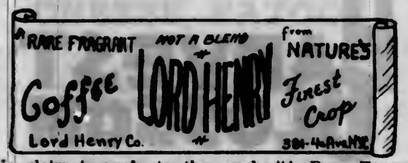


The expression "Brooklyn, N. Y." is disclaimed.

For Bottled Salads, Soups, Fruits, and Vegetables, and Other Foods, Specifically, Potato Salad, Pickled Beets, Cabbage, Rice Pudding, Pickled Herring, Preserved Apples, Borscht or Beet Soup, Schav or Chard Soup, Meat Salad, and Shortening, Made from Soya Beans, Cotton Seed, Peanut and Cocoanut Oils, Onion and Carrot Flavored.

Claims use since 1937.

Ser. No. 427,250. HENRY WERTHEIMER, doing business as Lord Henry Company, New York, N. Y. Filed Jan. 8, 1940.



No claim is made to the words "A Rare Fragrant Coffee", "Not a Blend", "From Nature's Finest Crop", or "381 4th Ave., N. Y. C." except as shown.

For Coffee.

Claims use since Jan. 2, 1940.

Ser. No. 427,619. DOUGHNUT CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 19, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

Downyflake

For Prepared Flour for Ginger Bread Muffins, Cup Cakes, Cookies, Bran Muffins, Corn Muffins, Waffles, Biscuits, and Doughnuts, and for Doughnuts and Cake Doughnuts.

Claims use since Nov. 3, 1920.

Ser. No. 427,620. DOUGHNUT CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 19, 1940. Under the act of February 20, 1905, as amended June 10, 1938.



No claim is made to the representation of the Doughnut and the words "Mark of Tested Quality" apart from the mark shown.

For Prepared Flour for Waffles, Griddle Cakes, Cakes and Doughnuts, Pastry Glaze Mixture, Fudge Icing Mix, and Sugar.

Claims use since Apr. 17, 1937.

Ser. No. 429,352. GENERAL MILLS, INC., Minneapolis, Minn. Filed Mar. 8, 1940.

NUTR-A-SURED

Applicant is the owner of United States Trade-Mark Registrations Nos. 373,508, and 309,413.

For Vitamin and Mineral Restoration Agent for Flour Consisting of Bleached Wheat Flour, Vitamins B_1, B_2, Calcium and Iron Compounds.

Claims use since Feb. 20, 1940.

Ser. No. 429,355. GENERAL MILLS, INC., Minneapolis, Minn. Filed Mar. 8, 1940.

VITASURED

Applicant is the owner of United States Trade-Mark Registrations Nos. 370,730, 376,367, and 376,368.

For Vitamin and Mineral Restoration Agent for Flour Consisting of Bleached Wheat Flour, Vitamins B_1, B_2, Calcium and Iron Compounds.

Claims use since Feb. 20, 1940.

Ser. No. 429,499. S. & W. WALDBAUM, INC., New York, N. Y. Filed Mar. 12, 1940.

Meadow-Vale

For Butter.

Claims use since Jan. 10, 1940.

Ser. No. 430,039. SANNA DAIRY ENGINEERS, Madison, Wis. Filed Mar. 27, 1940. Under the act of February 20, 1905, as amended June 10, 1938.



The representation of the goods is disclaimed apart from the mark as shown.

For Ice Cream.

Claims use since Mar. 16, 1940.

Ser. No. 430,112. JANET LAMAR WARFEL, Chicago, Ill. Filed Mar. 28, 1940.

VEGE CODS

Applicant is the owner of Trade-Mark Registration No. 329,846 of Nov. 12, 1935.

For Nutritional Food Supplements in Powdered Capsule, and Tablet forms Produced From Selected Vegetables Having Mineral Elements in Highly Potent Form and Readily Assimilated into the System.

Claims use since Aug. 20, 1936.

Ser. No. 430,143. NATIONAL ASSOCIATION OF CONFECTIONS MANUFACTURERS, Du Quoin, Ill. Filed Mar. 29, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

Oh Johnny

For Frozen Confections.

Claims use since Mar. 16, 1940.

Ser. No. 430,182. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Filed Mar. 30, 1940.

CHOCOTONE

For Prepared Chocolate Powder.
Claims use since June 6, 1938.

Ser. No. 430,183. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Filed Mar. 30, 1940.

CHOCKAY

For Prepared Chocolate Powder, To Be Used in the Preparation of Fudge.
Claims use since Jan. 22, 1937.

Ser. No. 430,254. TOLBY BROS., Phoenix, Ariz. Filed Apr. 1, 1940.

Top-Hand

For Fresh Vegetables and Melons.
Claims use since Mar. 25, 1939.

Ser. No. 430,266. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Apr. 2, 1940.

Sunnyfield

For Fluid Milk and Cake Flour.
Claims use since Nov. 9, 1939, on cake flour; and since Mar. 19, 1940, on fluid milk.

Ser. No. 430,282. LOS ANGELES SALES CO., doing business as Asta Dog Food Co., Fullerton and Harbor City, Calif. Filed Apr. 2, 1940.

ASTA

For Canned Cat and Dog Food.
Claims use since Mar. 6, 1940.

Ser. No. 430,283. LOS ANGELES SALES CO., doing business as Chesty Dog Food Co., Fullerton and Harbor City, Calif. Filed Apr. 2, 1940.

CHESTY

For Canned Dog and Cat Food.
Claims use since Mar. 6, 1940.

Ser. No. 430,302. FAMOUS FLOURS, INC., Reno, Nev., and Omaha, Nebr. Filed Apr. 4, 1940.

HARVEST BLOSSOM

For Wheat Flour.
Claims use since Apr. 1, 1932.

Ser. No. 430,407. JOE LOWE CORPORATION, New York, N. Y. Filed Apr. 5, 1940.

WHITEX

For Flavored Substance Suitable for Use in Making Icings for Bakery Products, Such as Cup Cakes, Cakes of all Kinds, Pies, and Other Similar Products.
Claims use since Dec. 3, 1934.

Ser. No. 430,409. JOE LOWE CORPORATION, New York, N. Y. Filed Apr. 5, 1940.

MARMALO

For Fruit Flavored Paste Used for Making Icings, Fillings and Jellies in All Types of Cakes, Cookies, Fruit Bars, Buns, Biscuits and Cream Pies.
Claims use since Dec. 12, 1934.

Ser. No. 430,411. JOE LOWE CORPORATION, New York, N. Y. Filed Apr. 5, 1940.

Swing

For Frozen Confections.
Claims use since Jan. 24, 1940.

Ser. No. 430,412. JOE LOWE CORPORATION, New York, N. Y. Filed Apr. 5, 1940.

NIFTEE

For Frozen Confections.
Claims use since Mar. 13, 1940.

Ser. No. 430,433. BALLARD & BALLARD COMPANY, INCORPORATED, Louisville, Ky. Filed Apr. 6, 1940.

OBELITE

For Self-Rising Compound for Flour Consisting of Salt, Calcium Phosphate, Soda, Calcium Carbonate, and Magnesium Carbonate.
Claims use since Mar. 25, 1940.

Ser. No. 430,476. HAZEL J. BAILEY, Los Angeles, Calif. Filed Apr. 8, 1940.

CHEESE PATOOT

Applicant disclaims the word "Cheese" apart from the mark.
For Sandwich Spread.
Claims use since Feb. 9, 1940.

Ser. No. 430,552. GUM INCORPORATED, Philadelphia, Pa. Filed Apr. 9, 1940.

PLAY BALL

For Chewing Gum.
Claims use since June 22, 1939.

Ser. No. 430,568. STANDARD MILLING COMPANY, New York, N. Y. Filed Apr. 9, 1940.



Applicant is the owner of registrations Nos. 232,724 of Sept. 13, 1927; 249,002. of Nov. 6, 1928; and 330,585, of Dec. 10, 1935.
For Wheat Flour, Bran, Wheat Flour Middlings and Wheat Screenings, Brown Shorts and Wheat Screenings, Wheat Fancy White Middlings, Gray Shorts and Wheat Screenings, Wheat Mixed Feed and Wheat Screenings.
Claims use since August, 1906.

CLASS 47

Wines

Ser. No. 429,993. MONARCH WINE CO., INC., New York, N. Y. Filed Mar. 26, 1940.



For Wine.
Claims use since June, 1934.

Ser. No. 430,249. MUNSON G. SHAW CO., INC., New York, N. Y. Filed Apr. 1, 1940.

VÊGA

For Wines.
Claims use since Feb. 8, 1940.

CLASS 48

Malt Beverages and Liquors

Ser. No. 427,052. THE WEHLE BREWING COMPANY, West Haven, Conn. Filed Dec. 30, 1939.



For Ale and Beer.
Claims use since Jan. 1, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 424,540. THE DAVIESS COUNTY DISTILLING COMPANY, INC., Owensboro, Ky. Filed Oct. 14, 1939.



The portrait is fanciful. The name "Pop Daviess" is disclaimed apart from the mark.
For Whiskey.
Claims use since Sept. 26, 1939.

Ser. No. 431,125. MANY, BLANC & Co., INC., Chicago, Ill. Filed Apr. 23, 1940.

The Flame

For Whiskey.
Claims use since Mar. 20, 1940.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 430,343. VIRGINIA RUBATEX CORPORATION, Jersey City, N. J. Filed Apr. 3, 1940.

"KNEEZIES"

For Knee Pads.
Claims use since Mar. 9, 1940.



TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 4, 1940

378,218. GYPSUM WALL BOARD, ALUMINUM FOIL INSULATING BOARD, GYPSUM LATH, ALUMINUM FOIL INSULATING LATH, TONGUE AND GROOVE SHEATHING, ETC. THE AMERICAN GYPSUM COMPANY, Port Clinton, Ohio, assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware.
Filed October 7, 1935. Serial No. 370,074. PUBLISHED DECEMBER 17, 1935. Class 12.

378,219. STAPLING PLIERS. THE E. H. HOTCHKISS COMPANY, Norwalk, Conn.
Filed July 28, 1937. Serial No. 395,712. PUBLISHED NOVEMBER 16, 1937. Class 37.

378,220. BAKERY PRODUCTS—NAMELY, BISCUITS, DOUGHNUTS, ROLLS, BUNS, CAKE, AND BREAD. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed September 1, 1937. Serial No. 396,996. PUBLISHED MARCH 26, 1940. Class 46.

378,221. PAPER—NAMELY, BOOK, WRAPPING, WRITING, BOND, TEXT, LABEL, POSTER, DRAWING, OFFSET, LEDGER, MIMEOGRAPH, MANILA PRINTING, BRISTOL, POSTCARD, SIGN, AND EMBOSSED. THE NORTHWEST PAPER COMPANY, Cloquet, Minn.
Filed November 8, 1937. Serial No. 399,464. PUBLISHED MARCH 26, 1940. Class 37.

378,222. PAPER—NAMELY, BOOK, WRAPPING, WRITING, BOND, AND ANY CUT-AND-COUNTED PAPER. THE NORTHWEST PAPER COMPANY, Cloquet, Minn.
Filed November 8, 1937. Serial No. 399,465. PUBLISHED MARCH 26, 1940. Class 37.

378,223. MEN'S OVERCOATS AND TOP COATS, AND RAINCOATS. MALCOLM KENNETH CO., Boston, Mass.
Filed January 14, 1938. Serial No. 401,899. PUBLISHED JUNE 21, 1938. Class 39.

378,224. NON-ALCOHOLIC, MALTLESS BEVERAGES AND CONCENTRATES AND COMPOUNDS FOR MAKING THE SAME. ORANGE-CRUSH COMPANY, Chicago, Ill.
Filed July 1, 1938. Serial No. 408,129. PUBLISHED JUNE 27, 1939. Class 45.

378,225. CAMERAS. UNIVERSAL CAMERA CORPORATION, New York, N. Y.
Filed July 1, 1938. Serial No. 408,137. PUBLISHED MARCH 26, 1940. Class 26.

378,226. MEN'S, WOMEN'S, AND CHILDREN'S CLOTHING—NAMELY, SKI APPAREL—NAMELY, SUITS, PANTS, OVERALLS, AND LEGGINGS, ETC. WINER-DICKSON, INC., New York, N. Y., assignor to Winer-Dickson, Inc., Paterson, N. J., a corporation of New Jersey
Filed December 9, 1938. Serial No. 413,660. PUBLISHED MARCH 26, 1940. Class 39.

378,227. VENDING MACHINES. SANITARY AUTOMATIC CANDY CORPORATION, New York, N. Y.
Filed January 9, 1939. Serial No. 414,644. PUBLISHED APRIL 11, 1939. Class 23.

378,228. COMBINED LIQUID COOLER OR WARMER AND/OR MIXER OR PARTS THEREOF. PETER SCHLUMBOHM, New York, N. Y.
Filed February 4, 1939. Serial No. 415,683. PUBLISHED MARCH 26, 1940. Class 13.

378,229. ARTIFICIAL TEETH. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y.
Filed February 23, 1939. Serial No. 416,317. PUBLISHED MARCH 26, 1940. Class 44.

378,230. SOLID AND FLUID FUEL BURNING BRAZING TORCHES, AND LAMPS, SOLDERING TORCHES AND POTS, ETC. A/B B. A. HJORTH & Co., Stockholm, Sweden.
Filed March 31, 1939. Serial No. 417,678. PUBLISHED MARCH 26, 1940. Class 34.

378,231. SOLID AND FLUID FUEL BURNING BRAZING TORCHES AND LAMPS, SOLDERING TORCHES AND POTS, WATER HEATING STOVES, ETC. A/B B. A. HJORTH & CO., Stockholm, Sweden.
Filed March 31, 1939. Serial No. 417,679. PUBLISHED MARCH 26, 1940. Class 34.

378,232. SHOE POLISH. HECKER PRODUCTS CORPORATION, New York, N. Y.
Filed March 31, 1939. Serial No. 417,689. PUBLISHED SEPTEMBER 12, 1939. Class 4.

378,233. LADIES' SWEATERS AND SLIP-ONS EMBRACING SWEATERS, BLOUSES, AND JACKETS, MADE UP OF A PECULIAR YARN. PHILIP FREEMAN, doing business as Brownie Knitting Mills, New York, N. Y.
Filed April 10, 1939. Serial No. 418,042. PUBLISHED MARCH 26, 1940. Class 39.

378,234. TRACTORS FOR OVERHEAD CARRIERS. THE LOUDEN MACHINERY COMPANY, Fairfield, Iowa.
Filed May 27, 1939. Serial No. 419,924. PUBLISHED MARCH 26, 1940. Class 23.

378,235. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed May 31, 1939. Serial No. 420,022. PUBLISHED MARCH 26, 1940. Class 46.

378,236. ICE CREAM. CARNATION COMPANY, Wilmington, Del., Milwaukee and Oconomowoc, Wis., and Seattle, Wash.
Filed June 13, 1939. Serial No. 420,448. PUBLISHED SEPTEMBER 26, 1939. Class 46.

378,237. INDUSTRIAL ELECTRIC VACUUM CLEANERS AND PARTS THEREOF. ELECTRIC VACUUM CLEANER COMPANY, INC., Cleveland, Ohio
Filed June 14, 1939. Serial No. 420,477. PUBLISHED MARCH 26, 1940. Class 21.

378,238. BICYCLES AND STRUCTURAL PARTS THEREOF. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 14, 1939. Serial No. 420,483. PUBLISHED MARCH 26, 1940. Class 19.

378,239. BICYCLES AND STRUCTURAL PARTS THEREOF. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 15, 1939. Serial No. 420,558. PUBLISHED MARCH 26, 1940. Class 19.

378,240. BICYCLES AND STRUCTURAL PARTS THEREOF. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 15, 1939. Serial No. 420,560. PUBLISHED MARCH 26, 1940. Class 19.

378,241. BICYCLES AND STRUCTURAL PARTS THEREOF. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 15, 1939. Serial No. 420,561. PUBLISHED MARCH 26, 1940. Class 19.

378,242. BICYCLES AND STRUCTURAL PARTS THEREOF. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 15, 1939. Serial No. 420,562. PUBLISHED MARCH 26, 1940. Class 19.

378,243. KNITTED CLOTHING FOR OUTSIDE WEAR—NAMELY, SWEATERS, BLOUSES, DRESSES, SKI SUITS, AND JACKETS FOR MEN, WOMEN, AND CHILDREN. BRADLEY KNITTING COMPANY, Delavan, Wis.
Filed June 28, 1939. Serial No. 421,023. PUBLISHED MARCH 26, 1940. Class 39.

378,244. LAUNDRY WASHING MACHINES. MARSHALL WELLS COMPANY, Duluth, Minn.
Filed August 21, 1939. Serial No. 422,822. PUBLISHED MARCH 19, 1940. Class 24.

378,245. SKATING OUTFITS INCLUDING SKATES WITH SHOES ATTACHED. JOSEPH T. WOOD CO., Ware, Mass.
Filed August 26, 1939. Serial No. 423,041. PUBLISHED MARCH 26, 1940. Class 22.

378,246. PNEUMATIC TIRES AND INNER TUBES. BANNER TIRE COMPANY, Boston, Mass.
Filed September 6, 1939. Serial No. 423,326. PUBLISHED MARCH 26, 1940. Class 35.

378,247. WHEAT BREAKFAST FOOD. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn.
Filed September 18, 1939. Serial No. 423,695. PUBLISHED MARCH 26, 1940. Class 46.

378,248. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. MONARCH MANUFACTURING COMPANY, Atlanta, Ga., assignor to The Red Fox Ginger Ale Co., Providence, R. I., a partnership.
Filed October 20, 1939. Serial No. 424,734. PUBLISHED FEBRUARY 20, 1940. Class 45.

378,249. BEER, ALE, PORTER, AND MALT BEER. CHRISTIAN FEIGENSPAN BREWING CO., Newark, N. J.
Filed October 21, 1939. Serial No. 424,761. PUBLISHED MARCH 26, 1940. Class 48.

378,250. JELLY SOAP, SOAP POWDER, SWEEPING COMPOUND, LIQUID TOILET AND LAUNDRY SOAP. HABOW CHEMICALS, INC., Conover, N. C.
Filed October 23, 1939. Serial No. 424,805. PUBLISHED MARCH 26, 1940. Class 4.

378,251. FISH MEAL FOR USE AS FEED FOR STOCK AND POULTRY. RICHMOND FISHERIES, INC., San Francisco, Calif.
Filed October 23, 1939. Serial No. 424,822. PUBLISHED MARCH 26, 1940. Class 46.

378,252. MEATS, AND PARTICULARLY SAUSAGE. OSCAR MAYER & CO., Chicago, Ill.
Filed October 28, 1939. Serial No. 425,005; PUBLISHED MARCH 26, 1940. Class 46.

378,253. BEER. PABST BREWING COMPANY, Peoria Heights, Ill.
Filed October 31, 1939. Serial No. 425,094. PUBLISHED MARCH 26, 1940. Class 48.

378,254. BOYS' UNDERWEAR, POLO SHIRTS, AND PAJAMAS. MINNEAPOLIS KNITTING WORKS, Minneapolis, Minn.
Filed November 9, 1939. Serial No. 425,480. PUBLISHED MARCH 26, 1940. Class 39.

378,255. PLANT STIMULANT. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa.
Filed November 10, 1939. Serial No. 425,505. PUBLISHED MARCH 19, 1940. Class 10.

378,256. CANNED FISH—NAMELY, CANNED TUNA FISH. SOUTH PACIFIC CANNING CO., Long Beach, Calif., assignor to South Pacific Canning Company, Inc., Long Beach, Calif., a corporation of California.
Filed November 10, 1939. Serial No. 425,536. PUBLISHED MARCH 26, 1940. Class 46.

378,257. MEATS, AND PARTICULARLY SAUSAGE. OSCAR MAYER & CO., Chicago, Ill.
Filed November 17, 1939. Serial No. 425,745. PUBLISHED MARCH 26, 1940. Class 46.

378,258. MEATS, AND PARTICULARLY SAUSAGE. OSCAR MAYER & CO., Chicago, Ill.
Filed November 17, 1939. Serial No. 425,746. PUBLISHED MARCH 26, 1940. Class 46.

378,259. MEATS, AND PARTICULARLY SAUSAGE. OSCAR MAYER & CO., Chicago, Ill.
Filed November 17, 1939. Serial No. 425,747. PUBLISHED MARCH 26, 1940. Class 46.

378,260. MEATS, AND PARTICULARLY SAUSAGE. OSCAR MAYER & CO., Chicago, Ill.
Filed November 17, 1939. Serial No. 425,748. PUBLISHED MARCH 26, 1940. Class 46.

378,261. MEATS, AND PARTICULARLY SAUSAGE. OSCAR MAYER & CO., Chicago, Ill.
Filed November 17, 1939. Serial No. 425,750. PUBLISHED MARCH 26, 1940. Class 46.

378,262. RUM, COGNAC, BRANDIES, CORDIALS, GENERAL LIQUEURS, AND OTHER SPECIALTIES. VICTOR M. RAMIREZ, doing business as V. M. Ramirez y Cia, Mayaguez, P. R.
Filed November 17, 1939. Serial No. 425,754. PUBLISHED MARCH 26, 1940. Class 49.

378,263. COMPRESSED AIR EQUIPMENT COMPRISING CONDUITS FOR MATERIALS AND A MIXING NOZZLE AND PARTS THEREOF, FOR APPLYING CEMENT OR THE LIKE UNDER PRESSURE TO SURFACES OF STRUCTURES. BONDACT, Kansas City, Kans.
Filed November 24, 1939. Serial No. 425,910. PUBLISHED MARCH 26, 1940. Class 23.

378,264. CANDIES. OLIVE LOUISE HAGLEY, doing business as Hagley Candy Company, Chicago, Ill.
Filed November 25, 1939. Serial No. 425,960. PUBLISHED MARCH 26, 1940. Class 46.

378,265. VESTS FOR MEN, WOMEN, AND CHILDREN. HOWACO PRODUCTS, INC., Taunton, Mass.
Filed November 25, 1939. Serial No. 425,962. PUBLISHED MARCH 26, 1940. Class 39.

378,266. PHONOGRAPH RECORDS FOR MUSICAL INSTRUCTION. U. S. SCHOOL OF MUSIC, New York, N. Y.
Filed November 27, 1939. Serial No. 426,013. PUBLISHED MARCH 26, 1940. Class 36.

378,267. LEATHER AND FABRIC GLOVES AND MITTENS. HILTS-WILLARD GLOVE CORPORATION, Gloversville, N. Y.
Filed December 5, 1939. Serial No. 426,257. PUBLISHED MARCH 26, 1940. Class 39.

378,268. ELECTRIC LIGHTING FIXTURES. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed December 11, 1939. Serial No. 426,435. PUBLISHED MARCH 26, 1940. Class 21.

378,269. YARN. GLOVERS (THREAD COVERERS) LIMITED, Nottingham, England.
Filed December 11, 1939. Serial No. 426,446. PUBLISHED MARCH 19, 1940. Class 43.

378,270. COSMETIC PREPARATIONS—NAMELY, LOTION, HAND AND TISSUE CREAM, TISSUE AND FOUNDATION CREAM, MASSAGE AND CLEANSING CREAM, AND FACE CREAM. MARION E. BALDWIN, doing business as Hillshire Down, Killingly, Conn.
Filed December 13, 1939. Serial No. 426,515. PUBLISHED MARCH 26, 1940. Class 6.

378,271. PRESERVED FRUIT MIXTURES (OR CRUSHED FRUITS) USED IN THE MANUFACTURE OF ICE CREAM AND FOR GENERAL SODA FOUNTAIN USE. BLANKE-BAER EXTRACT & PRESERVING CO., St. Louis, Mo.
Filed December 18, 1939. Serial No. 426,685. PUBLISHED MARCH 26, 1940. Class 46.

378,272. LIVE STOCK FEED. DES MOINES OAT PRODUCTS COMPANY, Des Moines, Iowa.
Filed December 18, 1939. Serial No. 426,690. PUBLISHED MARCH 26, 1940. Class 46.

378,273. CANNED EGGS. GROSS EGG COMPANY, Chicago, Ill.
Filed December 18, 1939. Serial No. 426,694. PUBLISHED MARCH 26, 1940. Class 46.

378,274. VENETIAN BLINDS, VENETIAN BLIND SLATS, VENETIAN BLIND ACCESSORIES, AND VENETIAN BLIND HARDWARE. LIFETIME PRODUCTS CORPORATION, Los Angeles, Calif.
Filed December 18, 1939. Serial No. 426,702. PUBLISHED MARCH 26, 1940. Class 32.

378,275. LADIES' AND MISSES' COATS AND SUITS. SPORTOWNE COAT CO. INC., New York, N. Y.
Filed December 18, 1939. Serial No. 426,715. PUBLISHED MARCH 26, 1940. Class 39.

378,276. LADIES', MISSES', AND SMALL WOMEN'S COATS, SUITS, SKIRTS, AND JACKETS. BARKIN, LEVIN & CO., INC., New York, N. Y.
Filed December 19, 1939. Serial No. 426,725. PUBLISHED MARCH 26, 1940. Class 39.

378,277. WASHBOARD. MAUDE L. IRWIN, doing business as Molly O Washboard Co., Alameda, Calif.
Filed December 19, 1939. Serial No. 426,732. PUBLISHED MARCH 19, 1940. Class 24.

378,278. LAUNDRY WASHING MACHINES. WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif.
Filed December 19, 1939. Serial No. 426,745. PUBLISHED MARCH 12, 1940. Class 24.

378,279. COFFEE. MELLO-JOY COFFEE CO., Lafayette, La.
Filed December 20, 1939. Serial No. 426,776. PUBLISHED MARCH 26, 1940. Class 46.

378,280. DRIVE MASONRY EXPANSION ANCHORS. THE RAWPLUG COMPANY, INC., New York, N. Y.
Filed December 21, 1939. Serial No. 426,817. PUBLISHED MARCH 26, 1940. Class 13.

378,281. GAME BOARD. EARL VINTON SHUE, Milwaukee, Wis.
Filed December 20, 1939. Serial No. 426,850. PUBLISHED MARCH 26, 1940. Class 22.

378,282. MEN'S, WOMEN'S, BOYS', AND CHILDREN'S KNITTED AND WOVEN UNDERWEAR, SWIM TRUNKS, SWEATERS, TENNIS SHIRTS, SWEAT SHIRTS, AND CHILDREN'S KNITTED SLEEPING GARMENTS—NAMELY, SLEEPING SUITS, SLEEPING HOODS, AND SLEEPING BAGS. UTICA KNITTING COMPANY, Utica, N. Y.
Filed December 26, 1939. Serial No. 426,916. PUBLISHED MARCH 26, 1940. Class 39.

378,283. HACK SAW BLADES. THE FORSBERG MANUFACTURING CO., Bridgeport, Conn.
Filed December 28, 1939. Serial No. 426,941. PUBLISHED MARCH 26, 1940. Class 23.

378,284. CLUTCHES FOR TRANSMITTING POWER FROM ONE MECHANISM TO ANOTHER. THE CARLYLE JOHNSON MACHINE COMPANY, Manchester, Conn.
Filed December 30, 1939. Serial No. 427,008. PUBLISHED MARCH 26, 1940. Class 23.

378,285. CARRYING CASES FOR PHOTOGRAPHIC PROJECTION APPARATUS, AND CARRYING CASES ALSO USED AS SUPPORTS FOR PHOTOGRAPHIC PROJECTION APPARATUS. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed December 30, 1939. Serial No. 427,015. PUBLISHED MARCH 26, 1940. Class 26.

378,286. WOMEN'S, MISSES' AND CHILDREN'S POCKETBOOKS AND HANDBAGS. BEST & CO. INC., New York, N. Y.
Filed December 15, 1939. Serial No. 426,597. PUBLISHED MARCH 12, 1940. Class 3.

378,287. DRY CLEANING SOAP POWDER FOR USE IN SYNTHETIC SOLVENTS IN THE DRY CLEANING OF FABRICS. HARDIN CHEMICAL COMPANY, INC., New York, N. Y.
Filed December 15, 1939. Serial No. 426,618. PUBLISHED MARCH 26, 1940. Class 4.

378,288. ROUGH METAL CASTINGS AND FORGINGS MADE OF FERROUS METAL. KEOKUK STEEL CASTING COMPANY, Keokuk, Iowa.
Filed December 16, 1939. Serial No. 426,651. PUBLISHED MARCH 26, 1940. Class 14.

378,289. UNITARY ELECTRIC LIGHTING FIXTURES. GOODRICH ELECTRIC COMPANY, Chicago, Ill.
Filed December 30, 1939. Serial No. 427,023. PUBLISHED MARCH 26, 1940. Class 21.

378,290. UNITARY ELECTRIC LIGHTING FIXTURES. GOODRICH ELECTRIC COMPANY, Chicago, Ill.
Filed December 30, 1939. Serial No. 427,024. PUBLISHED MARCH 26, 1940. Class 21.

378,291. UNITARY ELECTRIC LIGHTING FIXTURES. GOODRICH ELECTRIC COMPANY, Chicago, Ill.
Filed December 30, 1939. Serial No. 427,026. PUBLISHED MARCH 26, 1940. Class 21.

378,292. UNITARY ELECTRIC LIGHTING FIXTURES. GOODRICH ELECTRIC COMPANY, Chicago, Ill.
Filed December 30, 1939. Serial No. 427,028. PUBLISHED MARCH 26, 1940. Class 21.

378,293. UNITARY ELECTRIC LIGHTING FIXTURES. GOODRICH ELECTRIC COMPANY, Chicago, Ill.
Filed December 30, 1939. Serial No. 427,031. PUBLISHED MARCH 26, 1940. Class 21.

378,294. WOMEN'S, GIRLS', AND CHILDREN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. WOHL SHOE COMPANY, St. Louis, Mo.
Filed December 30, 1939. Serial No. 427,054. PUBLISHED MARCH 26, 1940. Class 39.

378,295. FRESH VEGETABLES. BONITA PACKING CO., Guadalupe, Calif.
Filed January 2, 1940. Serial No. 427,066. PUBLISHED MARCH 26, 1940. Class 46.

378,296. VANILLA FLAVORING FOR FLAVORING FOODS. CLARENCE V. GOFFINET, doing business as Standard Vanilla Company, Los Angeles, Calif.
Filed January 2, 1940. Serial No. 427,074. PUBLISHED MARCH 26, 1940. Class 46.

378,297. ELECTRICAL SUCTION CLEANERS AND ATTACHMENTS INCLUDING PAPER FILTERS, FLOOR AND UPHOLSTERY TOOLS, HOSE, EXTENSION PIPES, AND DUSTING NOZZLES THEREFOR. HEALTH-MOR SANITATION SYSTEMS, INC., Chicago, Ill.
Filed January 2, 1940. Serial No. 427,076. PUBLISHED MARCH 26, 1940. Class 21.

378,298. LADIES' AND CHILDREN'S HANDBAGS. MORRIS WHITE FASHIONS, INC., New York, N. Y.
Filed January 5, 1940. Serial No. 427,164. PUBLISHED MARCH 19, 1940. Class 3.

378,299. BOARD GAME. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed January 6, 1940. Serial No. 427,190. PUBLISHED MARCH 26, 1940. Class 22.

378,300. PREPARED BATTER FOR USE IN THE PREPARATION OF FISH, SEAFOODS, CHOPS, CUTLETS, ETC. CLARENCE M. COATNEY, doing business as Chuck's Sea Food Company, Tolono, Ill.
Filed January 6, 1940. Serial No. 427,193. PUBLISHED MARCH 26, 1940. Class 46.

378,301. CHOCOLATE. LAMONT, CORLISS & COMPANY, New York, N. Y.
Filed January 6, 1940. Serial No. 427,204. PUBLISHED MARCH 26, 1940. Class 46.

378,302. APPARATUS FOR CONTROLLING THE ELECTRIFICATION OF FENCES AND PARTS THEREFOR. LANDON P. SMITH, INC., Irvington, N. J.
Filed January 6, 1940. Serial No. 427,211. PUBLISHED MARCH 26, 1940. Class 21.

378,303. MACHINERY BEARINGS AND BUSHINGS THEREFOR. MAGNOLIA METAL COMPANY, Elizabeth, N. J.
Filed January 8, 1940. Serial No. 427,252. PUBLISHED MARCH 26, 1940. Class 23.

378,304. FLOOR SANDING MACHINES. SKILSAW, INCORPORATED, Chicago, Ill.
Filed January 8, 1940. Serial No. 427,263. PUBLISHED MARCH 26, 1940. Class 23.

378,305. SPACEBANDS WHICH ARE FOR USE IN LINOTYPE MACHINES. DU-REPEL CORPORATION, Indianapolis, Ind.
Filed January 9, 1940. Serial No. 427,278. PUBLISHED MARCH 26, 1940. Class 23.

378,306. WHEAT FLOUR. STANDARD MILLING COMPANY, New York, N. Y.
Filed January 9, 1940. Serial No. 427,288. PUBLISHED MARCH 26, 1940. Class 46.

378,307. HANDBAGS. SLOANE BROS., New York, N. Y.
Filed January 9, 1940. Serial No. 427,287. PUBLISHED MARCH 26, 1940. Class 3.

378,308. GLASS AND COMBINATION GLASS AND METAL GLOBES AND REFLECTORS. HOLOPHANE COMPANY, INC., New York, N. Y.
Filed January 10, 1940. Serial No. 427,302. PUBLISHED MARCH 26, 1940. Class 34.

378,309. POWER DRIVEN SCREENS FOR THE SIFTING AND GRADING OF BULK MATERIALS. THE J. H. DAY COMPANY, Cincinnati, Ohio.
Filed January 11, 1940. Serial No. 427,337. PUBLISHED MARCH 26, 1940. Class 23.

378,310. TROUSER BRACES. IRVING BRANDT & CO., Chicago, Ill.
Filed January 12, 1940. Serial No. 427,361. PUBLISHED MARCH 26, 1940. Class 39.

378,311. DOG FOOD. DIETRICH & GAMBRILL, INC., Frederick, Md.
Filed January 12, 1940. Serial No. 427,367. PUBLISHED MARCH 26, 1940. Class 46.

378,312. MISSES' AND CHILDREN'S DRESSES. JOSEPH LOVE INC., New York, N. Y.
Filed January 12, 1940. Serial No. 427,379. PUBLISHED MARCH 26, 1940. Class 39.

378,313. MURIATE OF POTASH. POTASH COMPANY OF AMERICA, Baltimore, Md., Atlanta, Ga., and Carlsbad, N. Mex.
Filed January 12, 1940. Serial No. 427,389. PUBLISHED MARCH 26, 1940. Class 10.

378,314. CHAIRS. SALMANSON & CO. INC., New York, N. Y.
Filed January 12, 1940. Serial No. 427,391. PUBLISHED MARCH 26, 1940. Class 32.

378,315. NURSES' AND MAIDS' UNIFORMS, AND DRESSES FOR WOMEN AND GIRLS. LILLIE B. STARR, New York, N. Y.
Filed January 13, 1940. Serial No. 427,446. PUBLISHED MARCH 26, 1940. Class 39.

378,316. LADIES' DRESSES. HERBERT EDELMAN, New York, N. Y.
Filed January 15, 1940. Serial No. 427,463. PUBLISHED MARCH 26, 1940. Class 39.

378,317. NEW AND USED RETREADED, CAPPED AND RECAPPED PNEUMATIC TIRES. THE ZOOK TIRE COMPANY, Pueblo, Colo.
Filed January 15, 1940. Serial No. 427,489. PUBLISHED MARCH 26, 1940. Class 35.

378,318. COTTON PIECE GOODS. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y.
Filed January 16, 1940. Serial No. 427,493. PUBLISHED MARCH 26, 1940. Class 42.

378,319. SOAP. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed January 16, 1940. Serial No. 427,507. PUBLISHED MARCH 19, 1940. Class 4.

378,320. HATS FOR WOMEN. NORDELL'S, INC., Miami and Miami Beach, Fla.
Filed January 16, 1940. Serial No. 427,517. PUBLISHED MARCH 26, 1940. Class 39.

378,321. CHILLPROOFING COMPOUND FOR BEERS AND ALES. PAUL REINEMANN, INC., New York, N. Y.
Filed January 17, 1940. Serial No. 427,559. PUBLISHED MARCH 26, 1940. Class 48.

378,322. SHEETS. BELK BROTHERS COMPANY, Charlotte, N. C.
Filed January 17, 1940. Serial No. 427,524. PUBLISHED MARCH 26, 1940. Class 42.

378,323. CHOCOLATE FLAVORED MILK. CARNATION COMPANY, Wilmington, Del., Milwaukee and Oconomowoc, Wis., and Seattle, Wash.
Filed January 17, 1940. Serial No. 427,528. PUBLISHED MARCH 26, 1940. Class 46.

378,324. HOT WATER TANKS AND HOT WATER STORAGE UNITS. WHITEHEAD METAL PRODUCTS COMPANY, INC., New York, N. Y.
Filed January 17, 1940. Serial No. 427,563. PUBLISHED MARCH 26, 1940. Class 34.

378,325. SUPPLIES AND ACCESSORIES FOR DRY CLEANING—NAMELY, DRY CLEANING SOLVENT AND SPOTTING FLUID. THE BAND BOX CORPORATION, St. Louis, Mo.
Filed January 18, 1940. Serial No. 427,572. PUBLISHED MARCH 19, 1940. Class 4.

378,326. SMOKING PIPES. M. LINKMAN & COMPANY, Chicago, Ill.
Filed January 18, 1940. Serial No. 427,587. PUBLISHED MARCH 26, 1940. Class 8.

378,327. PIECE GOODS OF COTTON, LINEN, ARTIFICIAL AND NATURAL SILK GOODS AND SYNTHETIC (RAYON AND ACETATE) TEXTILE FABRICS, PLAIN, COLORED, AND PRINTED. MARVLO MILLS, INC., New York, N. Y.
Filed January 18, 1940. Serial No. 427,588. PUBLISHED MARCH 26, 1940. Class 42.

378,328. CELLULOSE ACETATE FILM, CELLULOSE SPONGES, CERAMIC CLAYS, AND CHALK. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed January 19, 1940. Serial No. 427,623. PUBLISHED MARCH 26, 1940. Class 1.

378,329. WATCHES. BAYER, PRETZFELDER & MILLS, INC., New York, N. Y.
Filed January 20, 1940. Serial No. 427,653. PUBLISHED MARCH 26, 1940. Class 27.

378,330. GLASS FOR GLAZING WINDOWS, DOORS, PARTITIONS, AND THE LIKE. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn.
Filed January 22, 1940. Serial No. 427,697. PUBLISHED MARCH 26, 1940. Class 33.

378,331. COLLARS, OUTER SHIRTS OF ALL KINDS, AND UNDERWEAR FOR MEN AND WOMEN. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed January 22, 1940. Serial No. 427,699. PUBLISHED MARCH 26, 1940. Class 39.

378,332. WINES. SOCIETA VINICOLA TORINO, INC., New York, N. Y.
Filed January 22, 1940. Serial No. 427,726. PUBLISHED MARCH 26, 1940. Class 47.

378,333. WHISKEY. THE YANTIC GRAIN & PRODUCTS COMPANY, doing business as Liquor Products Company, New Haven, Conn.
Filed January 22, 1940. Serial No. 427,734. PUBLISHED MARCH 26, 1940. Class 49.

378,334. WHISKEY. THE YANTIC GRAIN & PRODUCTS COMPANY, doing business as Liquor Products Company, New Haven, Conn.
Filed January 22, 1940. Serial No. 427,736. PUBLISHED MARCH 26, 1940. Class 49.

378,335. WHISKEY. THE YANTIC GRAIN & PRODUCTS COMPANY, doing business as Liquor Products Company, New Haven, Conn.
Filed January 22, 1940. Serial No. 427,738. PUBLISHED MARCH 26, 1940. Class 49.

378,336. CANDIES. TERRY CANDY COMPANY, INC., Elizabeth, N. J.
Filed January 23, 1940. Serial No. 427,780. PUBLISHED MARCH 26, 1940. Class 46.

378,337. FRESH VEGETABLES. D'ARRIGO BROS. COMPANY, San Jose, Calif.
Filed January 24, 1940. Serial No. 427,793. PUBLISHED MARCH 26, 1940. Class 46.

378,338. BOARD GAME PLAYED WITH MOVABLE PIECES. ROMANCE GAME CO., Kansas City, Mo.
Filed January 24, 1940. Serial No. 427,820. PUBLISHED MARCH 26, 1940. Class 22.

378,339. WATCHES, WATCH CASES, AND WATCH MOVEMENTS. WALTHAM WATCH COMPANY, Waltham, Mass.
Filed January 24, 1940. Serial No. 427,825. PUBLISHED MARCH 26, 1940. Class 27.

378,340. CIGARETTES. BENSON AND HEDGES, New York, N. Y.
Filed January 25, 1940. Serial No. 427,832. PUBLISHED MARCH 26, 1940. Class 17.

378,341. DINING ROOM TABLES, CHAIRS, CORNER CABINETS, SERVING TABLES, BUFFETS, CHINA CABINETS, BEDS, DRESSERS, CHESTS OF DRAWERS, VANITIES, AND VANITY BENCHES. GRAND RAPIDS CHAIR COMPANY, Grand Rapids, Mich.
Filed January 25, 1940. Serial No. 427,842. PUBLISHED MARCH 26, 1940. Class 32.

378,342. WOMEN'S COATS, SUITS, DRESSES, OUTER SKIRTS, BLOUSES, HOSIERY, HATS, CAPS, AND WRAPS. RALEIGH HABERDASHER, INC., Washington, D. C.
Filed January 25, 1940. Serial No. 427,853. PUBLISHED MARCH 26, 1940. Class 39.

378,343. VIBRATORS FOR THERAPEUTIC USES AND ELECTRIC HAIR DRIERS. BERSTED MANUFACTURING COMPANY, Fostoria, Ohio.
Filed January 26, 1940. Serial No. 427,872. PUBLISHED MARCH 26, 1940. Class 44.

378,344. MEN'S AND BOYS' SUITS, TOPCOATS, OVERCOATS, SPORTJACKETS, TROUSERS, AND VESTS. ISIDOR FOX, doing business as Fox Clothes Shop, New York, N. Y.
Filed January 27, 1940. Serial No. 427,934. PUBLISHED MARCH 26, 1940. Class 39.

378,345. BOOTS AND SHOES OF LEATHER FOR MEN, WOMEN, AND CHILDREN. C. A. GROSVENOR SHOE CO., Worcester, Mass.
Filed January 27, 1940. Serial No. 427,940. PUBLISHED MARCH 26, 1940. Class 39.

378,346. HOSIERY. MALING BROTHERS, INC., Chicago, Ill.
Filed January 29, 1940. Serial No. 427,988. PUBLISHED MARCH 26, 1940. Class 39.

378,347. DRY CLEANER STICK FOR REMOVING SPOTS. CALIFORNIA COSMETICS CORPORATION, Los Angeles, Calif.
Filed January 29, 1940. Serial No. 427,961. PUBLISHED MARCH 26, 1940. Class 4.

378,348. RUM. CELESTIN, LTD., San Francisco, Calif.
Filed January 29, 1940. Serial No. 427,962. PUBLISHED MARCH 26, 1940. Class 49.

378,349. DETERGENTS—NAMELY, SOAP AND SOAP PREPARATIONS. CALED PRODUCTS COMPANY, INC., Brentwood, Md.
Filed January 30, 1940 Serial No. 428,017. PUBLISHED MARCH 19, 1940. Class 4.

378,350. DETERGENTS—NAMELY, SOAP AND SOAP PREPARATIONS. CALED PRODUCTS COMPANY, INC., Brentwood, Md.
Filed January 30, 1940. Serial No. 428,018. PUBLISHED MARCH 19, 1940. Class 4.

378,351. TEXTILE FABRICS IN THE PIECE—NAMELY OF PRINTED SILK, RAYON, AND COMBINATIONS THEREOF. CONSTANCE FABRICS CORP., New York, N. Y.
Filed January 30, 1940. Serial No. 428,020. PUBLISHED MARCH 26, 1940. Class 42.

378,352. PHOTOGRAPHIC CAMERAS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed January 31, 1940. Serial No. 428,069. PUBLISHED MARCH 26, 1940. Class 26.

378,353. BOARD GAME. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed February 1, 1940. Serial No. 428,102. PUBLISHED MARCH 26, 1940. Class 22.

378,354. BOARD GAME. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed February 1, 1940. Serial No. 428,103. PUBLISHED MARCH 26, 1940. Class 22.

378,355. GLASS SHIELDS FOR THE PROTECTION OF THE HUMAN EYE. WELSH MANUFACTURING COMPANY, Providence, R. I.
Filed February 2, 1940. Serial No. 428,181. PUBLISHED MARCH 26, 1940. Class 26.

378,356. UNDERWEAR—NAMELY, SHIRTS, DRAWERS, SHORTS, BOTH OF THE ATHLETIC TYPE AND BRIEF SUPPORTER TYPE, SWIMMING SUITS, AND DIAPERS, FOR MEN, WOMEN, AND CHILDREN. PAUL SNYDER, doing business as College Park Sweater and Underwear Co., Baltimore, Md.
Filed February 3, 1940 Serial No. 428,204. PUBLISHED MARCH 26, 1940. Class 39.

378,357. HANDKERCHIEFS. GEORGE M. LOGAN, JR., New York, N. Y.
Filed February 5, 1940. Serial No. 428,241. PUBLISHED MARCH 26, 1940. Class 39.

378,358. SHAVING SOAP AND TOILET SOAP. ALFRED D. MCKELVY, doing business as Alfred D. McKelvy Company, Minneapolis, Minn.
Filed February 5, 1940. Serial No. 428,244. PUBLISHED MARCH 26, 1940. Class 4.

378,359. HANDKERCHIEFS. MAX JOSEPH ROSEN, doing business as Manfield Handkerchief Company, New York, N. Y.
Filed February 5, 1940. Serial No. 428,257. PUBLISHED MARCH 26, 1940. Class 39.

378,360. COTTON PIECE GOODS. ALBERT H. VANDAM CO., INC., New York, N. Y.
Filed February 6, 1940. Serial No. 428,296. PUBLISHED MARCH 26, 1940. Class 42.

378,361. CONSTRUCTION TOY. W. R. BENJAMIN CO., Granite City, Ill.
Filed February 8, 1940. Serial No. 428,349. PUBLISHED MARCH 26, 1940. Class 22.

378,362. COTTON PILE FABRICS IN THE PIECE. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed February 8, 1940. Serial No. 428,352. PUBLISHED MARCH 26, 1940. Class 42.

378,363. GINGER ALE AND SPARKLING LITHIATED SODA WATER. EARL B. HORNER, doing business as Stonewall Springs Bottling Company, Burlington, N. C.
Filed February 8, 1940. Serial No. 428,355. PUBLISHED MARCH 26, 1940. Class 45.

378,364. PIECE GOODS OF COTTON, LINEN, SILK, RAYON, AND WOOLEN MIXTURES. SAYLES FINISHING PLANTS, INC., Saylesville, R. I.
Filed February 9, 1940. Serial No. 428,405. PUBLISHED MARCH 26, 1940. Class 42.

378,365. GYMNASTIC EXERCISE APPLIANCES, SKIS AND SKI STAVES AND PARTS THEREOF, AND SMOOTHING AND PRESERVING PRODUCTS THEREFOR; SKATES AND PARTS THEREOF; AND FISHING APPLIANCES. A./B. BRÖDERNA KJELLSTRÖM, Stockholm, Sweden.
Filed February 10, 1940. Serial No. 428,450. PUBLISHED MARCH 26, 1940. Class 22.

378,366. JAR RINGS. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed February 14, 1940. Serial No. 428,541. PUBLISHED MARCH 26, 1940. Class 35.

378,367. NONALCOHOLIC, MALTLESS SYRUP CONCENTRATE FOR MAKING SOFT DRINKS. THE ORANGE SMILE SIRUP COMPANY, also doing business as The Smile Sirup Company, St. Louis, Mo.
Filed February 14, 1940. Serial No. 428,559. PUBLISHED MARCH 26, 1940. Class 45.

378,368. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. DISTILLED LIQUORS CORPORATION, New York, N. Y.
Filed February 19, 1940. Serial No. 428,684. PUBLISHED MARCH 26, 1940. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

378,369. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABE KANNER, doing business as Globe Bottling Company, Los Angeles, Calif. Filed Apr. 10, 1939. Serial No. 418,046.

WILSHIRE CLUB

For Canned Evaporated Milk, Salmon, Tomatoes, Tomato Sauce, Sauerkraut, Pumpkin, Pimientos, Corn, Pork and Beans, Red Kidney Beans, Pineapple, Pears, Peaches, Figs, Fruit Salad, Blackberries, Apricots and Olives; Canned Sauerkraut Juice for Food Purposes; and Bottled Catsup, Pickles, Peanut Butter, Cranberry Sauce, Apple Jelly, Blackberry Jam, Strawberry Preserves, Apple Butter, and Maraschino Cherries.
Claims use since Mar. 30, 1939.

378,370. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAS. HEFLEY, doing business as Charles Hefley Popcorn Products, Los Angeles, Calif. Filed Apr. 15, 1939. Serial No. 418,302.

BIG KERNEL

For Buttered Popped Popcorn.
Claims use since Apr. 8, 1939.

378,371. (CLASS 15. OILS AND GREASES.) SHERWOOD PETROLEUM CORPORATION, Mitchell, S. Dak. Filed Apr. 17, 1939. Serial No. 418,368.

SHERWOOD'S

For Lubricating Oils.
Claims use since September, 1938.

378,372. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOMA LINDA FOOD COMPANY, Arlington, Calif. Filed Apr. 29, 1939. Serial No. 418,882.

Loma Linda

For Sandwich Spread; Extract of Yeast and Vegetables; Fruit-Wafers; Date Sandwich; Oven-Cooked Wheat; Soy-Bean and Wheat Wafers; Breakfast Food—Namely, Flaked Wheat Biscuits, Fruit Cereal, Dextrinized Wheat, Oven-Cooked Wheat; Coffee Substitute Composed of Soy-Beans, Figs, and Grains; Fruit Cereal Food Composed of Cereals, Malt, Honey, and Figs; Imitation Milk Made from Soy-Beans With Dextrose and Vegetable-Fat; Canned Vegetables, Canned Legumes; Meat Substitute Composed of Vegetables or of Nuts, Grains, Herbs, and Flavoring; and Canned Soy Beans.
Claims use since Oct. 1, 1934.

378,373. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE STERILEK COMPANY, INC., New York, N. Y. Filed May 6, 1939. Serial No. 419,165.

Rosemond

For Sanitary Napkins.
Claims use since Feb. 4, 1939.

378,374. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GEMEX COMPANY, Newark, N. J. Filed Sept. 16, 1939. Serial No. 423,660.

TURNLOK

For Watch Bracelets, Watch Straps, Watch Chains, Fobs and Chains, Belt Buckles, Neck Chains, Necklaces, Bracelet Catches, Bracelets, Scarf Pins, Finger Rings, Ear and Hair Ornaments, Neck Chain Catches and Jewelry Catches, All of the Foregoing Made in Whole or in Part of Precious-Metal Ware or Plated With the Same.
Claims use since Mar. 14, 1939.

378,375. (CLASS 15. OILS AND GREASES.) A. GROSS CANDLE CO., INC., Baltimore, Md. Filed Oct. 6, 1939. Serial No. 424,271.

Even-Glo

For Candles.
Claims use since January, 1936.

378,376. (CLASS 4. ABRASIVE DETERGENT, AND POLISHING MATERIALS.) FRANK MILLER & SONS, Chicago, Ill. Filed Oct. 7, 1939. Serial No. 424,308.

FLORSWEEP

For Compounds for Absorbing Dust on Floors.
Claims use since Feb. 16, 1938.

378,377. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN REMOUNT ASSOCIATION, Washington, D. C. Filed Oct. 9, 1939. Serial No. 424,333.

The HALF-BRED STUD BOOK.

For a Periodical Publication on Horses and Containing Other General Information or Like Subject Matter, Issued From Time to Time.
Claims use since 1918.

378,378. (CLASS 38. PRINTS AND PUBLICATIONS.) ALL AMERICAN COMICS, INC., New York, N. Y. Filed Nov. 17, 1939. Serial No. 425,725.

ALL-AMERICAN COMICS

For a Magazine Publication.
Claims use since Dec. 1, 1938.

378,379. (CLASS 39. CLOTHING.) GLUCK & COHEN, New York, N. Y. Filed Feb. 14, 1940. Serial No. 428,633.

PoK-iT

SLIP WITH A POCKET

For Manufactured Ladies' Slips.
Claims use since Dec. 20, 1938.

378,380. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARVEY'S FRESH FROZEN FOODS, San Mateo, Calif. Filed Feb. 21, 1940. Serial No. 428,753.

HARVEY'S

For Food Products—Namely, Frozen Soups, Fish, and Fowl.
Claims use since Feb. 1, 1939.

378,381. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Feb. 26, 1940. Serial No. 428,923.

LOOMTWIST

For Carpeting and Rugs.
Claims use since Oct. 10, 1935.

378,382. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RIX SANDPAPER COMPANY, INC., New York, N. Y. Filed Mar. 5, 1940. Serial No. 429,427.



RIX SANDPAPER Company, Inc.

For Sandpaper.
Claims use since November, 1932.

378,383. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Filed Mar. 22, 1940. Serial No. 429,838.

Manley

For Reducing Valves, Blow Gun Air Valves, Towing Chains, Sling Chains.
Claims use on reducing valves and blow gun air valves, since Jan. 28, 1931; on towing chains and sling chains, since the year 1929.

378,384. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN RICE SALES COMPANY, INC., New York, N. Y. Filed Mar. 26, 1940. Serial No. 429,999.



For Rice.
Claims use since 1930.

378,385. (CLASS 39. CLOTHING.) MARINETTE KNITTING MILLS, New York, N. Y. Filed Mar. 29, 1940. Serial No. 430,138.

Brittany Club
SPORTS CLOTHES
by
Marinette

For Men's, Women's, and Children's Suits and Sweaters, and Ladies' and Misses' Dresses, Skirts, Sweaters, Slacks, and Jackets.
Claims use since August, 1938.

378,386. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE ELLSWORTH SCHUTT, doing business as Easton Potato Chip Co., Easton, Pa. Filed Apr. 3, 1940. Serial No. 430,336.

Dainty

HAVE ★ FAVORED ★ FLAVOR

For Potato Chips.
Claims use since Sept. 1, 1935.

TRADE-MARK REGISTRATIONS RENEWED

128,200. **WEISTEEL.** METAL PARTITIONS CONSTITUTING PERMANENT CONSTITUENT ELEMENTS OF A BUILDING. Registered December 23, 1919. HENRY WEIS MANUFACTURING COMPANY, Kansas City, Mo., and Atchison, Kans. Renewed December 23, 1939, to Henry Weis Manufacturing Company, Inc., Elkhart, Ind., a corporation of Indiana, successor.

130,155. **THE LIBERTY PERIOD.** CERTAIN NAMED FURNITURE. Registered April 13, 1920. JOHN STOCKTON BLANKINSHIP, Lynchburg, Va. Renewed April 13, 1940.

130,239. **COUNCIL OAK.** CERTAIN NAMED FOODS. Registered April 13, 1920. TOLERTON & WARFIELD Co., Sioux City, Iowa, a corporation of Iowa. Renewed April 13, 1940.

130,274. **CALIFORNIA GIRL.** CANNED FRUITS—NAMELY, CANNED PEACHES, CANNED APRICOTS, AND CANNED PEARS. Registered April 20, 1920. CALIFORNIA SANITARY CANNING Co. Renewed April 20, 1940, to California Sanitary Canning Co., Ltd., Los Angeles, Calif., a corporation of California, successor.

130,424. **QUAIL.** RICE, PICKLES, AND OLIVES. Registered April 20, 1920. TOLERTON & WARFIELD Co., Sioux City, Iowa, a corporation of Iowa. Renewed April 20, 1940.

130,455. **DIAMOND HEAD.** CANNED SALMON. Registered April 27, 1920. AMERICAN FACTORS, LIMITED, Honolulu, Territory of Hawaii. Renewed April 27, 1940, to American Factors, Limited, Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation of the Territory of Hawaii.

130,600. **ROSELMA.** CANDIES. Registered May 4, 1920. ALMA R. ALFOTH, Chicago, Ill. Renewed May 4, 1940.

130,602. **CONCAVEX.** COMMINUTING MACHINERY, AND SPECIFICALLY TUBE AND BALL MILLS AND TUMBLING COMMINUTING-BODIES THEREFOR. Registered May 4, 1920. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee, Wis., a corporation of Delaware. Renewed May 4, 1940.

130,803. **RESOLEUM.** SPICES AND CERTAIN NAMED EXTRACTS AND FLAVORS. Registered May 4, 1920. MCCORMICK & Co., INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed May 4, 1940.

130,870. **MIKECHECK.** DIMENSION-GAGES AND ATTACHMENTS THEREFOR. Registered May 4, 1920. PRATT & WHITNEY COMPANY, New York, N. Y. Renewed May 4, 1940, to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey, assignee.

131,008. **PREMIER.** SUSPENDERS AND MEN'S GARTERS. Registered May 4, 1920. JOSEPH ZIFF. Renewed May 4, 1940, to Detroit Suspender & Belt Company, Detroit, Mich., a corporation of Michigan, assignee.

131,100. **ESCO.** A PREPARATION FOR CLEANING AND POLISHING METALS AND GLASS. Registered May 4, 1920. THE ELECTRO SILICON Co., New York, N. Y., a corporation of New York. Renewed May 4, 1940.

131,206. **PARISIAN.** HAIR-WAVERS. Registered May 4, 1920. PARISIAN MFG COMPANY. Renewed May 4, 1940, to Parisian Manufacturing Co., Inc., Philadelphia, Pa., a corporation of Delaware, successor.

131,209. **DERRICK.** WORK-CLOTHING FOR MEN AND BOYS—NAMELY, OVERALLS, TROUSERS, JUMPERS, COATS, AND SHIRTS. Registered May 4, 1920. PERKINS DRY GOODS COMPANY, Dallas, Tex., a corporation of Texas. Renewed May 4, 1940.

131,533. **O-VER-AWL.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered May 18, 1920. G. J. LIEBICH Co., Chicago, Ill., a corporation of Illinois. Renewed May 18, 1940.

131,541. **ADMIRATION.** PERFUME, TOILET WATER, FACE-POWDER, TALCUM POWDER, TOILET CREAM, AND SACHET. Registered May 18, 1920. THE LUNDBORG COMPANY, New York, N. Y. Renewed May 18, 1940, to Admiracion Laboratories, Inc., Harrison, N. J., a corporation of New Jersey, assignee by mesne assignments.

131,676. **FARADON.** CONDENSERS. Registered May 18, 1920. WIRELESS SPECIALTY APPARATUS COMPANY, New York, N. Y., and Boston, Mass. Renewed May 18, 1940, to RCA Manufacturing Company, Inc., Camden, N. J., a corporation of Delaware, assignee by mesne assignments.

131,692. **RED DRAGON.** GUANO. Registered May 25, 1920. THE AMERICAN AGRICULTURAL CHEMICAL Co. Renewed May 25, 1940, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware, assignee.

131,970. **MONEX.** GLASS. Registered June 8, 1920. CORNING GLASS WORKS. Renewed June 8, 1940, to CORNING GLASS WORKS, Corning, N. Y., a corporation of New York, assignee by mesne assignments.

132,339. **STEUBEN.** CUT GLASS AND ARTISTIC GLASSWARE. Registered June 22, 1920. CORNING GLASS WORKS. Renewed June 22, 1940, to Corning Glass Works, Corning, N. Y., a corporation of New York, assignee by mesne assignments.

132,340. **REPRESENTATION OF A FLEUR-DE-LIS.** CUT GLASS AND ARTISTIC GLASSWARE. Registered June 22, 1920. CORNING GLASS WORKS. Renewed June 22, 1940, to Corning Glass Works, Corning, N. Y., a corporation of New York, assignee by mesne assignments.

132,682. **COCO-NUTLETS.** PACKAGED GRATED AND SHREDDED COCOANUT. Registered June 29, 1920. THE FRANKLIN BAKER COMPANY, Philadelphia, Pa. Renewed June 29, 1940, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

132,693. **EVERSEAL.** ROOFING-CEMENT. Registered June 29, 1920. RUDOLPH GREENSTEIN. Renewed June 29, 1940, to Everseal Manufacturing Co. Inc., New York, N. Y., a corporation of New York, assignee.

132,812. **STAR.** PARAFFIN-WAX, OZOCERITE, CERESIN, MONTAN WAX, JAPAN WAX, CARNAUBA-WAX, BAYBERRY-WAX, CANDELILLA-WAX. Registered June 29, 1920. SMITH & NICHOLS, INCORPORATED, New York, N. Y., and Boston, Mass. Renewed June 29, 1940, to Smith & Nichols, Inc., New York, N. Y., a corporation of New York.

133,042. **ELECTION.** WATCHES AND PARTS THEREOF. Registered July 6, 1920. SOCIÉTÉ ANONYME LES FILS DE L. BRAUNSCHWEIG, FABRIQUE ELECTION. Renewed July 6, 1940, to Nouvelle Fabrique Election, Societe Anonyme, La Chaux-de-Fonds, Switzerland, a corporation of Switzerland, successor.

133,068. **KLENZO.** CERTAIN NAMED DENTAL, MEDICAL, AND SURGICAL APPLIANCES. Registered July 6, 1920. UNITED DRUG COMPANY. Renewed July 6, 1940, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

133,513. **JAVO.** A NON-INTOXICATING BEVERAGE. Registered July 27, 1920. SOUTHERN BEVERAGE COMPANY. Renewed July 27, 1940, to Galveston-Houston Breweries, Inc., Galveston, Tex., a corporation of Texas, assignee by mesne assignments.

133,853. **JONTEEL.** CANDY. Registered August 3, 1920. UNITED DRUG COMPANY. Renewed August 3, 1940, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

133,891. **MOVIE.** WHEAT-FLOUR. Registered August 10, 1920. AMENDT MILLING COMPANY, Monroe and Trenton, Mich., and Delta, Ohio. Renewed August 10, 1940, to Amendt Milling Company, Monroe, Mich., a corporation of Michigan.

133,950. **MIDLAND.** HAMS, BACON, PICNIC-HAMS, OTHERWISE KNOWN AS SMOKED SHOULDERS OR CALIFORNIA HAMS. Registered August 10, 1920. JACOB E. DECKER & SONS, Mason City, Iowa. Renewed August 10, 1940, to Armour and Company, Chicago, Ill., a corporation of Illinois, assignee.

134,091. **STAR.** CERTAIN NAMED ELECTRICAL INSULATING WAXES. Registered August 10, 1920. SMITH & NICHOLS, INCORPORATED, New York, N. Y., and Boston, Mass. Renewed August 10, 1940, to Smith & Nichols, Inc., New York, N. Y., a corporation of New York.

134,111. **KLENZO.** A LIQUID CHEMICAL PREPARATION FOR POLISHING SILVERWARE. Registered August 10, 1920. UNITED DRUG COMPANY. Renewed August 10, 1940, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

134,112. **TINY-TOT.** CERTAIN NAMED TOILET SETS MOUNTED IN OR PLATED WITH PRECIOUS METAL. Registered August 10, 1920. UNITED DRUG COMPANY. Renewed August 10, 1940, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

134,113. **TINY-TOT.** INFANTS' FOODS, CONDENSED MILK, SUGAR OF MILK, AND MALTED MILK. Registered August 10, 1920. UNITED DRUG COMPANY. Renewed August 10, 1940, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

134,142. **WOLCO.** PEANUT-BUTTER. Registered August 10, 1920. WOLDERT PEANUT PRODUCTS Co. Renewed August 10, 1940, to Alex Woldert Company, Tyler, Tex., a corporation of Texas, successor.

134,201. **QUIKWERK.** CERTAIN NAMED TOOLS. Registered August 17, 1920. THE WARREN TOOL AND FORGE COMPANY, Warren, Ohio. Renewed August 17, 1940, to Warren Tool Corporation, Howland, Ohio, a corporation of Ohio, assignee by mesne assignments.

134,212. **ARMOUR'S BIG CROP.** FERTILIZERS. Registered August 24, 1920. ARMOUR FERTILIZER WORKS. Renewed August 24, 1940, to Armour and Company of Delaware, Chicago, Ill., a corporation of Delaware, assignee.

134,267. **POST'S.** CORN-FLOUR, HOMINY, CORN-GRITS, CORNMEAL, AND CREAM-MEAL. Registered August 24, 1920. POSTUM CEREAL COMPANY, INC., Wilmington, Del., and Battle Creek, Mich. Renewed August 24, 1940, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

134,548. **TINY-TOT.** CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Registered September 7, 1920. UNITED DRUG COMPANY. Renewed September 7, 1940, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

134,575. **LA BOHEME.** MUSICAL-INSTRUMENT STRINGS. Registered September 14, 1920. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 14, 1940.

134,576. **IL TROVATORE.** MUSICAL-INSTRUMENT STRINGS. Registered September 14, 1920. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 14, 1940.

134,577. **LA TRAVIATA.** MUSICAL-INSTRUMENT STRINGS. Registered September 14, 1920. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 14, 1940.

134,578. **LA MELODIA.** MUSICAL-INSTRUMENT STRINGS. Registered September 14, 1920. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 14, 1940.

134,605. **UNIPLEX.** ELECTRIC BATTERIES. Registered September 14, 1920. BURGESS BATTERY COMPANY, Madison, Wis. Renewed September 14, 1940, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware, assignee.

134,754. **OPC.** GRANULATED CHEMICAL CLEANING COMPOUNDS. Registered September 14, 1920. OAKLEY CHEMICAL Co. Renewed September 14, 1940, to Oakite Products, Inc., New York, N. Y., a corporation of New York, assignee.

134,780. **HORN.** TRUNKS, TRAVELING-BAGS, SUIT-CASES, AND BRIEF-CASES. Registered September 14, 1920. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed September 14, 1940.

134,835. **KLENZO.** PREPARATION HAVING DEODORANT, ANTISEPTIC, AND PERSPIRATION-ABSORBENT PROPERTIES. Registered September 14, 1920. UNITED DRUG COMPANY. Renewed September 14, 1940, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

134,834. **JONTEEL.** SMOKING-TOBACCO. Registered September 14, 1920. UNITED DRUG COMPANY. Renewed September 14, 1940, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

134,953. **GARFILAX.** LAXATIVE CANDY. Registered September 21, 1920. FRANK GARFINKEL, doing business as Garfo Chemical Co., New York, N. Y. Renewed September 21, 1940.

135,195. **S. M. A.** PREPARED MILK FOOD USED IN THE FEEDING OF INFANTS. Registered September 28, 1920. THE BABIES DISPENSARY & HOSPITAL OF CLEVELAND, Cleveland, Ohio. Renewed September 28, 1940, to S. M. A. Corporation, Chicago, Ill., a corporation of New Jersey, assignee.

135,201. **BRILL.** CARS AND CAR-TRUCKS. Registered September 28, 1920. THE J. G. BRILL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed September 28, 1940.

135,209. **CARNATION.** MILK-CHOCOLATE. Registered September 28, 1920. CARNATION MILK PRODUCTS COMPANY, Portland, Maine, and Seattle, Wash. Renewed September 28, 1940, to Carnation Company, Wilmington, Del., Milwaukee, Wis., and Seattle, Wash., a corporation of Delaware, assignee.

135,271. **PEDI-POISE.** SHOES MANUFACTURED OF LEATHER, FABRICS, AND COMBINATIONS OF LEATHER AND FABRICS. Registered September 28, 1920. LORD & TAYLOR, New York, N. Y., a corporation of New York. Renewed September 28, 1940.

135,279. **MAGNOLENE.** LUBRICATING-OILS. Registered September 28, 1920. MAGNOLIA PETROLEUM COMPANY. Renewed September 28, 1940, to Magnolia Petroleum Company, Dallas, Tex., a corporation of Texas, assignee by mesne assignments.

135,415. **HI-POWER.** GASOLENE. Registered October 12, 1920. H. EARL CLACK COMPANY, Havre, Mont., a corporation of Montana. Renewed October 12, 1940.

135,462. **BRISTOL.** FISHING-LINES. Registered October 12, 1920. THE HORTON MANUFACTURING COMPANY, Bristol, Conn., a corporation of Connecticut. Renewed October 12, 1940.

135,487. **MASCO.** MOPS. Registered October 12, 1920. MASSASOIT MANUFACTURING COMPANY, Fall River, Mass. Renewed October 12, 1940, to Massasoit Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

135,502. **OKEMCO.** SOAP. Registered October 12, 1920. OAKLEY CHEMICAL CO. Renewed October 12, 1940, to Oakite Products, Inc., New York, N. Y., a corporation of New York, assignee.

135,586. **ASCO.** GINGER-ALE, SARSAPARILLA, AND ROOT-BEER. Registered October 19, 1920. AMERICAN STORES COMPANY, Philadelphia, Pa., a corporation of Delaware. Renewed October 19, 1940.

135,696. **FASHION.** TOILET-PAPER, PAPER NAPKINS, PAPER TOWELS, AND TISSUE-PAPERS. Registered October 19, 1920. THE JOHN HOBERG COMPANY. Renewed October 19, 1940, to Hoberg Paper Mills Inc., Green Bay, Wis., a corporation of Wisconsin, assignee.

135,706. **BABY BUNTING.** CANDY. Registered October 19, 1920. HUGGINS CANDY COMPANY, Nashville, Tenn., a corporation of Tennessee. Renewed October 19, 1940.

135,768. **PARAGON.** MATERIALS USED TO AID IN THE PROCESS OF SOLDERING. Registered October 19, 1920. THE PARAGON INSULATING CO., Cleveland, Ohio, a corporation of Ohio. Renewed October 19, 1940.

135,778. **REALIN.** READY-MIXED PAINTS, DRY COLORS, ASPHALT PAINT, PAINT-OIL, PAINT-REDUCING OILS, DRIERS, VARNISHES, AND JAPANS. Registered October 19, 1920. PRUETT-SCHAFFER CHEMICAL COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed October 19, 1940.

135,818. **WIRTHMORE.** WHEAT FEED AND HOMINY-MEAL. Registered October 19, 1920. ST. ALBANS GRAIN COMPANY, St. Albans, Vt. Renewed October 19, 1940, to New England Grain Products Co., Waterville, Maine, a corporation of Maine, assignee by mesne assignments.

135,855. **ROYAL.** CORN-STARCH. Registered October 19, 1920. CHARLES T. WHITTIER. Renewed October 19, 1940, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

135,944. **BOXES.** A PRINTED MONTHLY MAGAZINE. Registered October 26, 1920. CHICAGO MILL AND LUMBER COMPANY. Renewed October 26, 1940, to Chicago Mill and Lumber Company, Chicago, Ill., a corporation of Delaware, assignee.

LABELS

REGISTERED JUNE 4, 1940

54,859.—*Title:* BANQUET BREAD. For Bread. BANQUET BAKING COMPANY, doing business as Banquet Baking Co., Rock Island, Ill. Published March 9, 1940.

54,860.—*Title:* BEECH-NUT. For Macaroni Elbows. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published January 13, 1939.

54,861.—*Title:* BEECH-NUT. For Cooked Spaghetti. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published February 2, 1939.

54,862.—*Title:* DRISORBENE A DRY, ABSORBENT CLEANER HARMLESS TO ALL FABRICS. For a Dry Absorbent Cleaner. BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Published February 26, 1940.

54,863.—*Title:* GLAMOUR GIRL. For Hosiery. CANNON SHOE COMPANY, Baltimore, Md. Published April 18, 1940.

54,864.—*Title:* REE-LEE. For Canned Green Peas. CLYMAN CANNING COMPANY, INC., Hartford, Wis. Published August 12, 1939.

54,865.—*Title:* TOMATOES HEALTHFUL. For Tomatoes. F. D. CROCE & CO., INC., New York, N. Y. Published May 7, 1940.

54,866.—*Title:* DAVOL "ANTI-COLIC" BRAND NIPPLES SANI-TAB. For Nipples. DAVOL RUBBER COMPANY, Providence, R. I. Published June 1, 1934.

54,867.—*Title:* DAVOL "ANTI-COLIC" BRAND NIPPLES. For Nipples. DAVOL RUBBER COMPANY, Providence, R. I. Published June 1, 1934.

54,868.—*Title:* ORIGINAL YARN FABRIC PONJETTE CRUSH PROOF. For Yarn Fabrics. EASTERN YARN MILLS, INC., New York, N. Y. Published April 20, 1940.

54,869.—*Title:* SPEARMENTHOL. For Cough Drops. ALBERT R. EVANS, Dayton, Ohio. Published April 15, 1940.

54,870.—*Title:* "AS YOU LIKE IT" FLAVORITE COFFEE. For Coffee. JOHN FERRARA, doing business as Flavorite Coffee Service, Brooklyn, N. Y. Published June 27, 1939.

54,871.—*Title:* FILLER'S CORN-CHIPS. For Corn Chips. FILLER CORN CHIP COMPANY, Cincinnati, Ohio. Published May 16, 1939.

54,872.—*Title:* GAINES DOG MEAL. For Dog Meal. GAINES FOOD CO. INC., Sherburne, N. Y. Published April 1, 1940.

54,873.—*Title:* GAINES DOG KRUNCHON. For a Dog Food. GAINES FOOD CO. INC., Sherburne, N. Y. Published April 1, 1940.

54,874.—*Title:* WAXIT. For Liquefied Wax. GALLAGHER & GALLAGHER, Austin, Tex. Published April 29, 1940.

54,875.—*Title:* KIX. For Breakfast Cereal. GENERAL MILLS, INC., Minneapolis, Minn. Published April 11, 1940.

54,876.—*Title:* GLENN FACIAL EMULSION. For a Facial Emulsion. GLENN LABORATORIES, INC., doing business as Glenn Products Company, Hoboken, N. J. Published March 1, 1940.

54,877.—*Title:* OLD STYLE LAGER. For an Advertising Novelty. G. HEILEMAN BREWING CO., La Crosse, Wis. Published April 29, 1940.

54,878.—*Title:* MACADAMIA NUTS. For Macadamia Nuts. HONOKAA SUGAR COMPANY, Honokaa, Hamakua, Territory of Hawaii. Published March 21, 1940.

54,879.—*Title:* "PALM SPRINGS". For Rugs. THE KLEARFLAX LINEN LOOMS, INC., Duluth, Minn. Published April 2, 1940.

54,880.—*Title:* LIFT. For a Tonic. LIFT BEVERAGE COMPANY, Philadelphia, Pa. Published January 1, 1940.

54,881.—*Title:* IVOLENE. For a Lotion Used as an Aid in Relief of Poison Oak and Poison Ivy. PHILIP J. MAFFEY, doing business as Arlington Laboratories, Arlington, N. J. Published November 22, 1939.

54,882.—*Title:* TOLUCOL. For Specially Flavored Syrup Prepared Especially for Use in Pediatrics. PHILIP J. MAFFEY, doing business as Arlington Laboratories, Arlington, N. J. Published November 22, 1939.

54,883.—*Title:* AMIGEN. For a Dried Enzymic Hydrolysate of Purified Casein. MEAD JOHNSON & COMPANY, Evansville, Ind. Published May 2, 1940.

54,884.—*Title:* GOLDEN BOY CLOTHES. For Boys Clothes. MEYER'S, Philadelphia, Pa. Published March 1, 1940.

54,885.—*Title:* GOLDEN GIRL CLOTHES. For Girls' Clothes. MEYER'S, Philadelphia, Pa. Published March 1, 1940.

54,886.—*Title:* RALPH'S. For a Household Cleaner, Disinfectant and Bleach. RALPH PONTE, doing business as Ralph's Chemical Co., Philadelphia, Pa. Published October 16, 1937.

54,887.—*Title:* ANIMAL LETTERS. For Animal Letters. THE A. I. ROOT COMPANY, Medina, Ohio. Published April 10, 1940.

54,888.—*Title:* EDUCATIONAL LETTERS. For Educational Letters. THE A. I. ROOT COMPANY, Medina, Ohio. Published April 10, 1940.

54,889.—*Title:* MAGIC BLACKBOARD. For Blackboards. THE A. I. ROOT COMPANY, Medina, Ohio. Published April 10, 1940.

54,890.—*Title:* ROOT MAK-A-KIT AIRPLANE. For Toy Airplane Kits. THE A. I. ROOT COMPANY, Medina, Ohio. Published April 10, 1940.

54,891.—*Title:* ROOT MAK-A-KIT DUMP TRUCK. For Toy Dump Truck Kits. THE A. I. ROOT COMPANY, Medina, Ohio. Published April 10, 1940.

54,892.—*Title:* ROOT MAK-A-KIT STEAM SHOVEL. For Toy Steam Shovel Kits. THE A. I. ROOT COMPANY, Medina, Ohio. Published April 10, 1940.

54,893.—*Title:* TEE-GEE BLOCKS. For Toy Blocks. THE A. I. ROOT COMPANY, Medina, Ohio. Published April 10, 1940.

54,894.—*Title:* S. O. S. MAGIC SCOURING PADS. For Scouring Pads. THE S. O. S. COMPANY, Chicago, Ill. Published December 29, 1939.

54,895.—*Title:* THE ONLY TOOTH BRUSH HOLDER. For Tubes for Holding Tooth-Brushes. FRANK SHUTTLEWORTH, Vineland, N. J. Published May 2, 1940.

54,896.—*Title:* SNO-WHITE SODA. For a Soda Drink. SNO-WHITE BEVERAGE COMPANY, Los Angeles, Calif. Published April 8, 1940.

54,897.—*Title:* PLEDGE. For Tea Bags. STANDARD BRANDS INCORPORATED, New York, N. Y. Published February 9, 1940.

54,898.—*Title:* CHASE & SANBORN DATED. For Coffee (Regular Grind). STANDARD BRANDS INCORPORATED, New York, N. Y. Published March 18, 1940.

54,899.—*Title:* CHASE & SANBORN DATED. For Coffee (Drip Grind). STANDARD BRANDS INCORPORATED, New York, N. Y. Published March 18, 1940.

54,900.—*Title:* ROYAL. For Vanilla Pudding. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 18, 1940.

54,901.—*Title:* ROYAL. For Tapioca Pudding (Vanilla Flavor). STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 29, 1940.

54,902.—*Title:* STEINER'S PURE EGG NOODLES. For Pure Egg Noodles. FRANK J. STEINER, JR., doing business as Steiner's Egg Noodle Co., New York, N. Y. Published September 25, 1939.

54,903.—*Title:* PIC.NIC.STIC. For Roasting Sticks. STEPHENSON MFG. CO., South Bend, Ind. Published February 28, 1940.

54,904.—*Title:* STROEHMANN'S TWISTED SESAME SEED HEARTH BREAD. For Bread. STROEHMANN BROTHERS COMPANY, Harrisburg, Norristown, Williamsport, and Altoona, Pa., and Olean and Waverly, N. Y. Published April 24, 1940.

54,905.—*Title:* STROEHMANN'S VIENNA BREAD. For Bread. STROEHMANN BROTHERS COMPANY, Harrisburg, Norristown, Williamsport, and Altoona, Pa., and Olean and Waverly, N. Y. Published April 24, 1940.

54,906.—*Title:* STROEHMANN'S RAISIN BREAD. For Bread. STROEHMANN BROTHERS COMPANY, Harrisburg, Norristown, Williamsport, and Altoona, Pa., and Olean and Waverly, N. Y. Published April 24, 1940.

54,907.—*Title:* STROEHMANN'S HONEY KRUSHED WHEAT. For Bread. STROEHMANN BROTHERS COMPANY, Harrisburg, Norristown, Williamsport, and Altoona, Pa., and Olean and Waverly, N. Y. Published April 2, 1940.

54,908.—*Title:* STROEHMANN'S WHEAT BREAD. For Bread. STROEHMANN BROTHERS COMPANY, Harrisburg, Norristown, Williamsport, and Altoona, Pa. and Olean and Waverly, N. Y. Published April 24, 1940.

54,909.—*Title:* STROEHMANN'S RYE BREAD. For Bread. STROEHMANN BROTHERS COMPANY, Harrisburg, Norristown, Williamsport, and Altoona, Pa., and Olean and Waverly, N. Y. Published April 24, 1940.

54,910.—*Title:* STROEHMANN'S 30% WHOLE WHEAT RAISIN BREAD. For Bread. STROEHMANN BROTHERS COMPANY, Harrisburg, Norristown, Williamsport, and Altoona, Pa., and Olean and Waverly, N. Y. Published April 24, 1940.

54,911.—*Title:* CARMEL BRAND KOSHER AMERICAN PASTEURIZED PROCESS CHEESE. For Pasteurized Process Cheese. U. S. ALASKA HERRING CO., INC., Chicago, Ill. Published April 16, 1940.

PRINTS

REGISTERED JUNE 4, 1940

17,987.—*Title:* DRISORBENE A DRY, ABSORBENT CLEANER HARMLESS TO ALL FABRICS. For a Dry Absorbent Cleaner. BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Published March 21, 1940.

17,988.—*Title:* BROWN'S CLOTHING. For Clothing. BROWN CLOTHING COMPANY, Minneapolis, Minn. Published April 15, 1940.

17,989.—*Title:* HOW FUNNY ANIMALS WOULD LOOK IF THEY WALKED LIKE HUMANS. For Supports for Better Posture and Better Appearance. S. H. CAMP & COMPANY, Jackson, Mich. Published April 2, 1940.

17,990.—*Title:* HOW NICE HUMANS WOULD LOOK IF THEY WALKED LIKE ANIMALS. For Supports for Better Posture and Better Appearance. S. H. CAMP & COMPANY, Jackson, Mich. Published April 2, 1940.

17,991.—*Title:* ROBIN THE BOY WONDER. For a Comic Magazine. DETECTIVE COMICS, INC., New York, N. Y. Published March 12, 1940.

17,992.—*Title:* FREE! JACK ARMSTRONG SKY RANGER. For a Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published April 21, 1940.

17,993.—*Title:* SON, WE KNOW WHAT'S GOOD FOR BREAKFAST! For a Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published April 27, 1940.

17,994.—*Title:* STRAWBERRY CHIFFON PIE! For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published April 15, 1940.

17,995.—*Title:* TAG THEM FOR GOOD! . . . GREET THEM FOR GOOD! For Pencils and Tags. LOUIS GOULD, Jackson Heights, N. Y. Published March 14, 1940.

17,996.—*Title:* YACHT SPORTS HAT. For Sports Hats. GREWAX CO., Chicago, Ill. Published March 15, 1940.

17,997.—*Title:* STRAIGHT AS AN ARROW. For Ale and Beer. HAMPDEN BREWING COMPANY, Willimansett, Mass. Published May 1, 1940.

17,998.—*Title:* THE MODERN JACK-MASTER POCKET PAL NAIL FILE KNIFE. For Nail File Knives. IMPERIAL KNIFE COMPANY, INC., Providence, R. I. Published April 9, 1940.

17,999.—*Title:* AUNT CHICK'S NON-STICK PASTRY KIT. For Pastry Kits. NETTIE MCBIRNEY, Tulsa, Okla. Published February 29, 1940.

18,000.—*Title:* PROPERTY CALCULATOR. For Calculators. MONARCH LIFE INSURANCE COMPANY, Springfield, Mass. Published January 2, 1940.

18,001.—*Title:* LEMONADE. For Lemonade. NATURAL SET UP SALES CORPORATION, St. Louis, Mo. Published April 18, 1940.

18,002.—*Title:* BASEBALL HEADQUARTERS! COME IN—GET A BASEBALL FOLDER THAT TELLS YOU ALL ABOUT IT. For Dog Food. RALSTON PURINA COMPANY, St. Louis, Mo. Published March 12, 1940.

18,003.—*Title:* BOYS! GIRLS! COME IN—GET A BASEBALL FOLDER THAT TELLS YOU ALL ABOUT IT. For a Shredded Cereal. RALSTON PURINA COMPANY, St. Louis, Mo. Published March 19, 1940.

18,004.—*Title:* MORE THAN A RULER. For Rulers or Scales. SENECA FALLS RULE & BLOCK CO., INC., Seneca Falls, N. Y. Published April 23, 1940.

18,005.—*Title:* MORE THAN A RULER! For Rulers or Scales. SENECA FALLS RULE & BLOCK CO., INC., Seneca Falls. N. Y. Published April 23, 1940.

18,006.—*Title:* MORE THAN A RULER! For Rulers or Scales. SENECA FALLS RULE & BLOCK CO., INC., Seneca Falls, N. Y. Published April 23, 1940.

18,007.—*Title:* NATIONAL ADVERTISING CAMPAIGN ALL AMERICAN HANDKERCHIEFS. For Handkerchiefs. SOUTHERN HANDKERCHIEF MFG CO., Greenville, S. C. Published April 18, 1940.

18,008.—*Title:* WE'RE TELLING ALL AMERICA ABOUT ALL AMERICAN HANDKERCHIEFS. For Handkerchiefs. SOUTHERN HANDKERCHIEF MFG CO., Greenville, S. C. Published April 23, 1940.

18,009.—*Title:* STEIN'S, AMERICAN'S GREATEST CLOTHIERS. For Clothing. STEIN BROS., New York, N. Y. Published March 4, 1940.

18,010.—*Title:* TASTY-PIE. For Pies. TASTY BAKING COMPANY, Philadelphia, Pa. Published April 15, 1940.

18,011.—*Title:* BIRTHDAY FLOWER PRINTS. For Handkerchiefs. WALTER WEISS, doing business as Walter Weiss & Co., New York, N. Y. Published April 2, 1940.

REISSUES

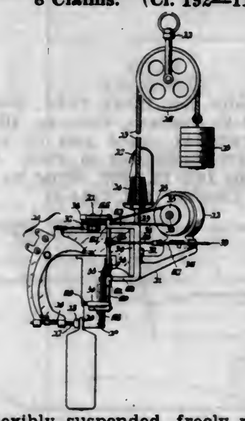
JUNE 4, 1940

21,472
FILLED BAG CLOSING UNIT

Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Original No. 2,156,526, dated May 2, 1939, Serial No. 138,589, April 23, 1937. Application for reissue May 6, 1939, Serial No. 272,278

8 Claims. (Cl. 192—11)



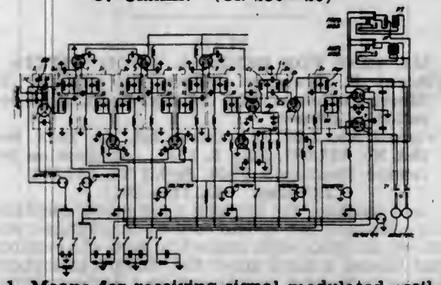
1. A flexibly suspended, freely movable outfit for closing the mouths of filled sacks and the like, comprising a bracket, a fastening-machine mounted on said bracket with its driving shaft substantially vertical, a motor mounted on said bracket for movement in a horizontal plane relative thereto, and having a substantially horizontal shaft, and a belt interconnecting the motor and fastening-machine shafts so as to be tightened to drive the machine, and relaxed to leave it idle, by movements of the motor horizontally relative to the bracket.

21,473
RECEIVING MEANS

Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original No. 2,035,745, dated March 31, 1936, Serial No. 668,232, April 27, 1933. Application for reissue February 3, 1940, Serial No. 317,220

37 Claims. (Cl. 250—20)



1. Means for receiving signal modulated oscillations of ultra high frequency comprising, an oscillating detector having a frequency determining circuit connected between its control grid and anode, a capacity by-passing said frequency determining circuit, said by-passing capacity tuning said circuit to the beat frequency produced in said oscillating detector due to reaction between the signal wave and oscillations produced in said detector, an intermediate frequency amplifier coupled to said by-passing capacity, rectifying means, and a plurality of paths coupled between said intermediate frequency amplifier and said rectifying means, one of said paths including phase shifting means.

21,474
HEATING PAD

Nolen H. McCleary, Chicago, Ill., assignor to Benjamin E. Lawrence, Chicago, Ill.

Original No. 2,185,692, dated January 2, 1940, Serial No. 279,876, June 19, 1939. Application for reissue March 4, 1940, Serial No. 322,266

11 Claims. (Cl. 219—46)



9. In a heating pad, a sheet-like support member, resistance wire secured thereto to form a heating element, a thermostat secured to said support member and connected to said resistance wire to limit the temperature of said wire in response to the passage of electric current therethrough, an envelope enclosing the whole, and another and outer envelope of textile material enclosing said first-mentioned envelope, said textile material comprising a relatively thin cloth base, and a plurality of regularly arranged spaced sections of piling substantially vertical to said cloth base, whereby said piling provides a cushioning action without limiting appreciably the passage of heat through the textile material as a whole.

21,475
SEAL

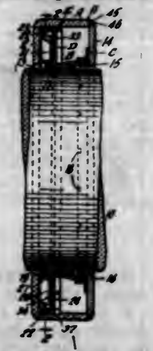
John C. Olsen, Chicago, Ill., assignor, by mesne assignments, to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original No. 2,093,021, dated September 14, 1937, Serial No. 693,255, October 12, 1933. Application for reissue August 21, 1939, Serial No. 291,217

16 Claims. (Cl. 288—3)

14. A seal for a shaft rotatable within a relatively fixed housing, said seal comprising: a generally annular rigid casing having an outer peripheral wall and a radially extending side wall, which side wall is apertured for the accommodation of a shaft therethrough and is provided at

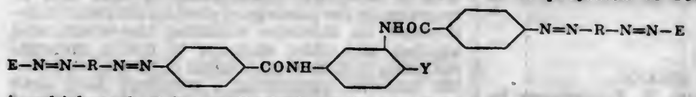
its inner edge with an integrally formed inturned flange which extends axially within the casing in substantially spaced relation to the outer wall; a flexible annular packing within said casing having a shaft-engaging section at one end and an outwardly offset section at the other end sleeved over and embracing said flange; and a separate rigid ring structure which is positioned in the casing



between said outwardly offset section of the packing and said outer wall and is provided with a clamping portion in substantially spaced relation to said outer wall, which clamping portion is disposed in radially clamped engagement with said outwardly offset section of the packing at a point directly opposite said flange, thereby fixedly holding and sealing said outwardly offset section with said flange.

21,476
AZO DYES
Swanie S. Rossander, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original No. 2,148,124, dated February 21, 1939, Serial No. 122,011, January 23, 1937. Application for reissue November 28, 1939, Serial No. 306,488
8 Claims. (Cl. 260—159)

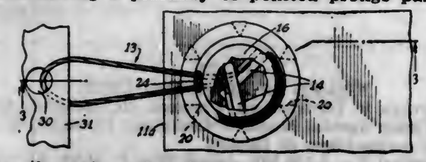
1. The compound represented by the formula:



in which each R is a radical of a primary arylamine of the group consisting of an amino naphthol sulfonic acid, 1-meta-amino-phenyl-5-pyrazolone-3-methyl, and 1-meta-amino-phenyl-5-pyrazolone-3-carboxyl, each E is the radical of an azo dyestuff coupling component of the class consisting of those having benzene, naphthalene, pyrazolone, quinoline, and aceto-acetanilide nuclei, and Y is one of a group consisting of hydrogen and sulfonic acid.

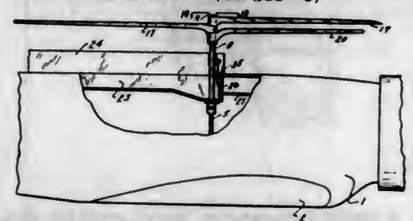
21,477
SEALED TAG
Mark Rubinoff, New York, N. Y.
Original No. 2,178,810, dated November 7, 1939, Serial No. 276,596, May 31, 1939. Application for reissue January 20, 1940, Serial No. 314,892
6 Claims. (Cl. 40—21)

3. A device of the character described comprising a continuously integral sheet and a seal abutting directly against the surface of said sheet, said seal consisting of a recessed disk forming with the surface of said sheet a relatively shallow closed chamber raised therefrom, said disk having an opening in its wall adapted for the insertion of a fastening device therethrough, and having a plurality of pointed prongs pass-



ing through perforations in said sheet and bent against the opposite surface thereof, securing said seal to said sheet so as to be virtually non-detachable therefrom.

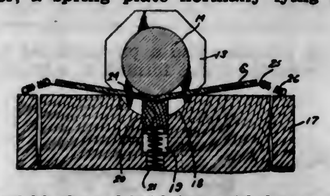
21,478
AIRCRAFT
Beauford B. Smith, San Diego, Calif., assignor to Edward F. Andrews, Chicago, Ill.
Original No. 2,008,843, dated July 23, 1935, Serial No. 690,979, September 26, 1933. Application for reissue July 16, 1937, Serial No. 153,950
16 Claims. (Cl. 244—6)



1. An aircraft of the class described, comprising a fuselage, wings, an empennage and a power plant, a vertical shaft rotatably mounted within the fuselage and engageable with the power plant, a housing slidably mounted upon said shaft and rotatable therewith, said housing adapted to be projected from the interior of the fuselage to the exterior thereof, a plurality of airfoils mounted upon the housing and adapted to be projected or retracted with said housing from the interior of the fuselage to the exterior thereof, one of said airfoils being secured to the housing and the others being rotatably mounted upon the housing and means formed on said other of said airfoils for becoming progressively engaged with the said secured airfoil.

21,479
MACHINE FOR BENDING WOOD SHEETS
Vincent R. Trabucco, Steger, Ill., assignor to Steger Furniture Mfg. Co., Steger, Ill., a corporation of Illinois
Original No. 2,167,428, dated July 25, 1939, Serial No. 151,991, July 6, 1937. Application for reissue January 2, 1940, Serial No. 312,171
3 Claims. (Cl. 144—266)

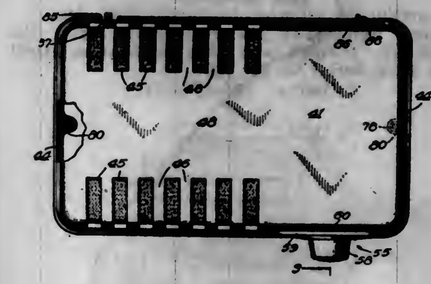
1. A machine for bending wood sheets comprising a die member, a rigid caul block arranged relatively movable with respect to said die member and having a rigid upper flat surface to support a sheet to be bent, and bounding a depressed surface of said block defining a die channel in spaced opposed relation to said die member, means defining a vertical bore in said block opening into said channel, a pressure receiving member in said channel and reciprocable in said bore, means yieldingly supporting said pressure receiving member, a spring plate normally lying flat on



said caul block and bridging said depressed portion of said block, and spring means connected to opposite ends of said plate to subject said opposite ends to tension when said plate is bent by said die member, said plate being a table to support the wood sheets to be bent.

21,480
RADIO RECEIVER
Adolph J. Snow, Wilmette, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Original No. 2,168,729, dated February 15, 1938, Serial No. 89,016, July 6, 1936. Application for reissue September 29, 1939, Serial No. 297,196
12 Claims. (Cl. 250—14)

10. In combination, a cabinet, a radio set in said cabinet comprising a receiving unit and a sound reproducer, said cabinet comprising an integral molded box-like portion open only on one side, said cabinet being provided with openings in at least two opposed sides, integral molded grille work extending over said openings, including ribs on opposite sides of and extending in a



direction perpendicular to said open side, said receiving unit being mounted in the cabinet in such position that the reproducer is in operative relation to at least one of said openings, and means including integrally molded means in said boxlike portion constructed and arranged to support said receiving unit and sound reproducer.

PLANT PATENTS

GRANTED JUNE 4, 1940

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

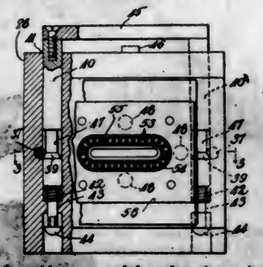
401
CHRYSANTHEMUM
Itaro Nakata and Daniel Nakata, Tracy, Calif.
Application December 9, 1939, Serial No. 308,443
1 Claim. (Cl. 47—60)

A chrysanthemum characterized by a flower having a large upright polypetalous corolla; the petals thereof being a rich, pure yellow color, long, sturdy, longitudinally cupped, and curved upward slightly at the tips.

PATENTS

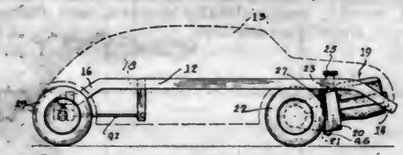
GRANTED JUNE 4, 1940

2,202,809
DIE HOLDER
Arthur W. Altvater, University City, Mo.
Original application March 1, 1937, Serial No. 128,314. Divided and this application April 16, 1938, Serial No. 202,509
2 Claims. (Cl. 164—118)



1. A perforating machine having, in combination, a die carrier having sockets, a die carrier engaging plate having mutilated pins received in the sockets, respectively, and means for locking the plate and carrier together comprising frusto-conical surfaces, one for each pin carried by the die carrier, springs for pressing the surfaces into engagement with the mutilated portion of the pins, and a common operating handle for moving the surfaces to disengage the pins.

2,202,810
MOTOR VEHICLE CHASSIS
Stewart S. Blanc, Brisbane, Calif.
Application August 15, 1938, Serial No. 225,053
2 Claims. (Cl. 180—26)



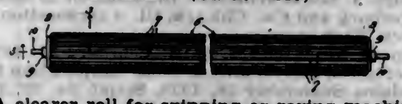
1. In an automotive vehicle of the type carried on a traction unit and trailer wheels, said traction unit being connected to and driven by a motor, the improvement which comprises a cradle carrying said traction unit and said motor, said cradle being pivotally mounted on parts of said vehicle for limited rotation about an axis slightly canted downwardly backwardly from vertical position.

2,202,811
BRACKET
Thomas C. Carney and John A. Peterson, Los Angeles, Calif.
Application February 21, 1938, Serial No. 191,828
1 Claim. (Cl. 248—217)

In a device of the character described, a tubular supporting member having a threaded external surface, a freely slidable rod mounted in said supporting member and held against rotation with respect thereto, and means for limiting the sliding movement of said rod, said means including a removable front plate engaging said supporting member, and a pin mounted in said rod and engaging a slot formed in said supporting member, the end of said slot being closed by said front plate.

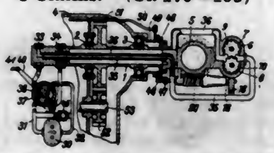


2,202,812
CLEARER ROLL
Anderson D. Davis, Gastonia, N. C.
Application March 3, 1938, Serial No. 193,792
1 Claim. (Cl. 19—140)



A clearer roll for spinning or roving machines comprising a wooden roller, a covering for the roller extending from end to end of the latter and adhesively secured to the same, said covering consisting of a radially stretched seamless elastic tube of textile material formed with longitudinal uniformly spaced external ribs, said covering being longer than the roller to provide ends projecting beyond the ends of the roller, and means clamping the projecting ends of the covering against the ends of the roller.

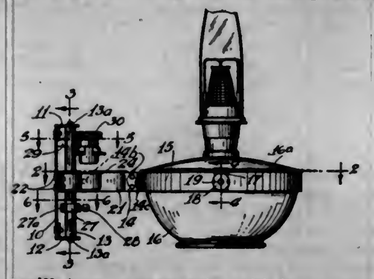
2,202,813
ADJUSTABLE SCREW PROPELLER
Carl Gausmann, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany
Application November 6, 1936, Serial No. 109,421
In Germany November 11, 1935
8 Claims. (Cl. 170—163)



6. In a variable pitch propeller having a plurality of blades rotatably mounted upon and with respect to a propeller shaft, blade pitch adjusting means comprising a fluid gear motor mounted upon said shaft adjacent said blades, a ring gear journalled upon said shaft, and gear means interconnecting said motor, blades, and ring gear for turning said blades.

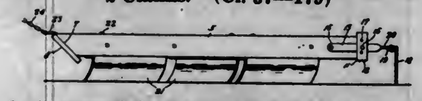
2,202,814
BRACKET FOR LAMPS AND THE LIKE
Roy W. Hall, Berwyn, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application March 14, 1938, Serial No. 195,837
4 Claims. (Cl. 248—289)

4. In a bracket of the class described, the combination of a supporting ring, an arm extending from said ring, a vertical pivot rod secured to said arm, a base having bearings supporting said pivot rod for oscillatory movement, and springs between said base and said arm and tending to hold said arm and said ring at the mid-position of



their oscillatory movement, said ring comprising a flat metal strip bent to annular conformation, and said arm comprising a flat metal strip bent tightly around and clamping said rod and having its end portions secured to said ring, said rod having a shouldered recess of reduced diameter fitting said arm.

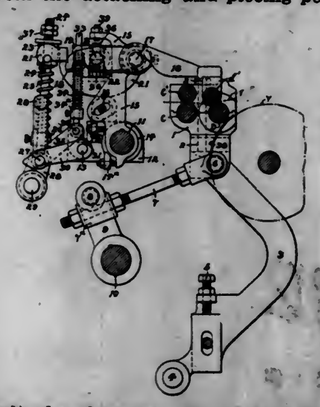
2,202,815
GROUND LEVELER
George A. Partridge, Paradise, Calif.
Application December 30, 1938, Serial No. 248,572
2 Claims. (Cl. 37—179)



1. A ground leveler comprising a frame including a pair of side members, leveling blades secured to the side members at the bottom portions thereof and bridging the said side members, a pair of swingable arms at the rear ends of the side members, and a rear float board carried by the said arms, and a U-shaped frame embracing the rear portions of the side members and having its lower portion secured to the under portions of the said side members, said U-shaped frame having its leg portions disposed upwardly in spaced relation to the side members to define guideways for the arms.

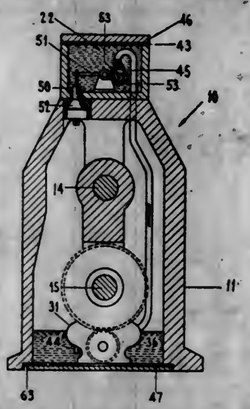
2,202,816
COMBING MACHINE
John William Nasmith, Heaton Mersey, Manchester, England
Application October 8, 1937, Serial No. 167,879
In Great Britain January 16, 1937
4 Claims. (Cl. 19—121)

In a machine of the rectilinear type for the the combing of textile fibres, in which machine an end of already combed fleece is returned by roller means for the piecing up thereto of a combed fibre tuft, a reciprocating machine nipper, a single pair of rollers, lower and upper, which effect both the detaching of a fibre tuft and the piecing thereof upon an end of already combed fleece returned for such piecing, means for rolling the upper roller to and fro upon the lower roller during detaching and piecing as the reciprocating machine nipper advances to and recedes from the nip point of the rollers, means for reciprocating the lower roller only from and to the detaching and piecing point only in the interval between the completion of a detaching and piecing operation and the commencement of the next such operation, and bearings for the upper roller which permit the fall of the upper roller behind the lower roller as the latter moves away from the detaching and piecing point and



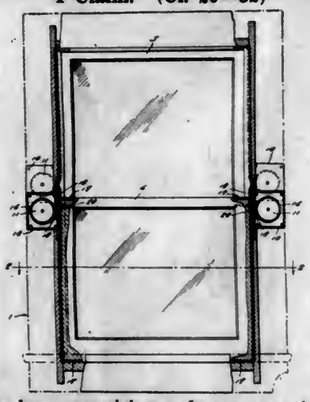
as a result of such movement, until the two rollers are in substantially horizontal alinement for the backing off of an end of combed fleece for the next piecing, and permit the return of the upper roller to detaching and piecing position on back reciprocation of the lower roller.

2,202,817
CONTROLLABLE LUBRICATING SYSTEM
Anthony Sardu, Brooklyn, N. Y.
Application September 25, 1939, Serial No. 296,470
1 Claim. (Cl. 184—6)



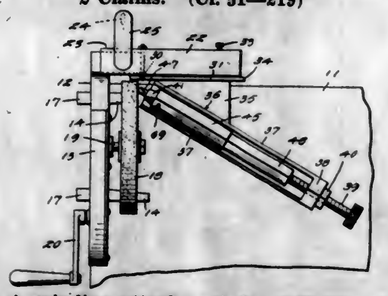
In an automatic lubricating system for a machine of the class described, comprising a reservoir at an upper elevation, an oil storage chamber at a lower elevation, a drain passage from said reservoir to said storage chamber and comprising a valve-seat, a drain valve pivotally supported at one end of a lever, the other end of said lever being dish-shaped, an oil supply pipe having its open end position over said dish-shaped end, means for pumping oil from said storage chamber and discharging said oil into said dish, said drain valve being thereby controllable by said oil pressure to close said drain passage, said drain valve being controllable by the weight thereof to open said drain passage when said pumping means is not in operation.

2,202,818
WINDOW
Alvin M. Whitney, Bradford, Pa.
Application December 30, 1938, Serial No. 248,616
1 Claim. (Cl. 20—52)



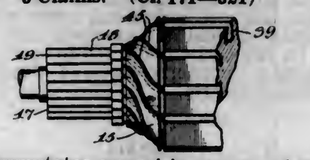
A window comprising a frame, a sash slidable in said frame, said sash and said frame having opposed grooves therein, a flexible strap connected to the sash and operable between said sash and frame, means for actuating the strap for urging the sash in one direction, and beads on the strap engageable in the grooves and, in conjunction with said strap, constituting means for closing the space between the sash and the frame.

2,202,819
TWIST DRILL GRINDING ATTACHMENT
Jesse Alvin Yantiss, Haifa, Palestine
Application May 2, 1938, Serial No. 205,621
2 Claims. (Cl. 51—219)



2. A grinding attachment for drill bits, comprising in combination with a grinding unit including a grinding wheel and a tool rest, a stationary supporting block mounted on said tool rest and extending perpendicularly beyond one flat side of the grinding wheel in parallel relation to the axis of said wheel, a pivot bearing on said supporting block, the axis of said bearing being at right angles to the axis of the grinding wheel and said bearing being adjustable on said block whereby to vary the distance between the axis of the bearing and the adjacent side face of the grinding wheel, a plate swingably mounted on said pivot bearing in slidable contact with the inner face of said supporting block, adjustable stop means for limiting the up-and-down movement of said plate, the adjustment of said means corresponding to the adjustment of said pivot bearing, a trough member mounted diagonally on said plate with its inner end adjacent said pivot bearing and spaced from the opposed side face of the grinding wheel, an adjustable abutment at the outer end of said trough member, and removable and reversible drill holding means fitting said trough with endwise movement but non-rotative therein, the bit in said drill holding means being projected into engagement with the face of the grinding wheel with the cutting lip of the bit in parallel relation to the face of the wheel and in substantially the same plane as the axis of said pivot bearing.

2,202,820
COMMUTATOR
Fred J. Baird, Kent, and Allen L. Simison, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Original application August 22, 1933, Serial No. 686,270. Divided and this application November 20, 1935, Serial No. 50,626
3 Claims. (Cl. 171—321)

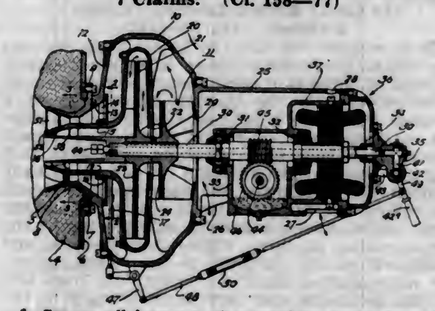


1. A commutator comprising an annular series of conducting bars and interposed segments of insulating material, each said segment comprising a fibrous body of vitreous material, a binder with which said body is impregnated, and a thin surface layer of cellulose overlying said body.

2,202,821
HARD METAL ALLOY
Clarence W. Balke, Highland Park, Ill., assignor to Ramet Corporation of America, North Chicago, Ill., a corporation of Illinois
No Drawing. Application February 5, 1938, Serial No. 88,923
35 Claims. (Cl. 75—136)

1. A sintered composition containing about 3 to 15 per cent of binder metal including significant amounts of metal of the iron group, the remainder of said composition consisting essentially of about 79 to about 10 per cent of tungsten carbide and about 14 to about 80 per cent of tantalum carbide.

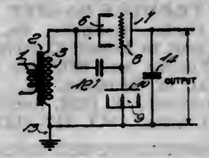
2,202,822
OIL BURNER
William O. Behrens, Harvey, Ill.
Application June 25, 1937, Serial No. 150,279
7 Claims. (Cl. 158—77)



1. In an oil burner, the combination compris-

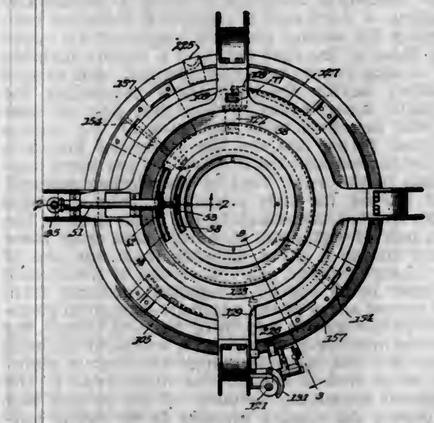
ing a secondary air nozzle having the shape of a Venturi tube with an inlet cone, a throat and an expanding outlet cone, a primary air nozzle extending through said secondary air nozzle in peripherally spaced relation thereto, said primary air nozzle being tapered toward its discharge end from a point adjacent the minimum diametral throat section of the secondary air nozzle, to provide therewith an annular air passage of Venturi shape, means for supplying fuel oil axially through said primary air nozzle, and means for supplying air under superatmospheric pressure to said primary nozzle and to said secondary nozzle.

2,202,823
RECTIFICATION SYSTEM
Willard H. Bennett, Columbus, Ohio, assignor to Electronic Research Corporation, Newark, Ohio, a corporation of Ohio
Application August 10, 1938, Serial No. 224,217
23 Claims. (Cl. 175—363)



1. A high voltage rectifier comprising in combination, a discharge point, a control electrode and a target electrode maintained at substantially atmospheric pressure, a source of alternating current to be rectified, a connection from one side of said source to said discharge point, a connection from the other side of said source through a load to said target, means for maintaining said control electrode at a positive potential with respect to said discharge point for uni-directionally passing current from said target with respect to the load, and a condenser connected between said control electrode and said discharge point.

2,202,824
KNITTING MACHINE
Wilfrid Boulais, Upper Darby, Pa., assignor to H. Brinton Co., Philadelphia, Pa., a corporation of Pennsylvania
Application March 25, 1937, Serial No. 133,032
65 Claims. (Cl. 66—17)



61. In a knitting machine, a series of needles, means for supplying a yarn to said needles, means coacting with said needles for knitting a fabric with said yarn, and needle supporting means arranged to permit selected needles to be manipulated so as to wrap their loops about one another.

2,202,825
PREVENTION OF MOTOR-BEARING CORROSION
Oliver L. Brandes, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application August 16, 1938, Serial No. 225,202
4 Claims. (Cl. 87—9)

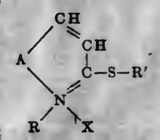
1. A method of inhibiting the corrosion of bearings formed of alloys normally subject to corrosion during use comprising lubricating said bearings with an oil containing at least 0.1 per cent of 2,6-di-tertiary-butyl-4-methyl phenol.

2,202,826
LUBRICANT FOR INTERNAL COMBUSTION ENGINES
Oliver L. Brandes, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application January 17, 1939, Serial No. 251,416
6 Claims. (Cl. 87—9)

1. A lubricating composition, for use in internal combustion engines and the like, comprising a major amount of a mineral lubricating oil having incorporated therein small amounts, not in excess of 2 per cent by weight of the oil, of nickel naphthenate and an alkylated monohydric phenol having at least one alkyl group in a position ortho to the hydroxyl group and at least 4 carbon atoms in the alkyl groups in positions ortho to the hydroxyl group.

2,202,827
PROCESS OF PREPARING CYANINE DYES FROM SUBSTITUTED MERCAPTO DERIVATIVES
Leslie G. S. Brooker, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 25, 1934, Serial No. 749,926
7 Claims. (Cl. 260—240)

1. A process for preparing a cyanine dye comprising condensing, in the presence of a basic condensing agent, a cyclammonium alkyl quaternary salt containing a reactive methyl group with a cyclammonium alkyl quaternary salt of the following general formula:



wherein A represents an organic group selected from the group consisting of vinylene and phenylene groups, R represents an alkyl group, R' represents an aryl group selected from the group consisting of aryl groups of the benzene series and aryl groups of the naphthylene series and X represents an acid radical.

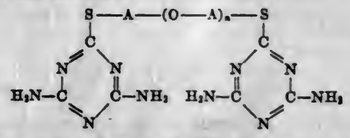
2,202,828

PREPARATION OF POLYALKYLENE ETHER THIOAMMELINE ETHERS

Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.

No Drawing. Application July 11, 1939, Serial No. 283,808
7 Claims. (Cl. 260—248)

3. A compound having in one of its tautomeric forms the formula



wherein A is a lower alkylene group of at least two carbon atoms and n is a small integer.

2,202,829

PREPARATION FOR REMOVING HAIR FROM THE BODY

Martha E. Buff, New York, N. Y.

No Drawing. Application January 26, 1937, Serial No. 122,365
2 Claims. (Cl. 167—89)

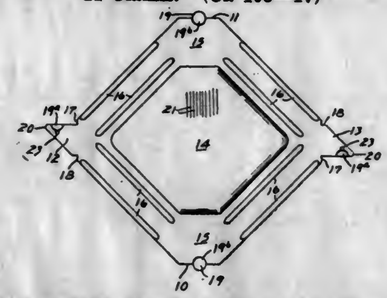
1. A depilatory containing rosin and a non-drying oil and a small amount of wax, the amount of oil being more than half the amount of rosin.

2,202,830

METALLIC SHINGLE

Ernest Bussey, Birmingham, Ala., assignor to Sta-Rite Corporation, a corporation of Alabama

Application January 6, 1939, Serial No. 249,598
11 Claims. (Cl. 108—17)



1. A metallic shingle having side nailing corners and tapering end portions, said shingle having matching beads struck up in its side lap areas which are formed of finely crimped stock with its corrugations running in a direction to check water seeking to traverse a lap area and designed to allow for the bead deformation without distortion of the shingle.

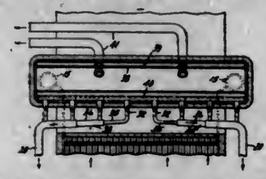
2,202,831

MERCURY BOILER

Robert J. Carpenter, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application August 17, 1938, Serial No. 225,475
5 Claims. (Cl. 122—235)

1. Elastic fluid generator comprising a casing forming combustion and convection spaces, a drum located at least partly within said spaces, heating elements disposed within said spaces and connected to discharge hot fluid to the drum, and means for conducting liquid from the drum to said heating elements, said means comprising a conduit having an upper horizontal portion



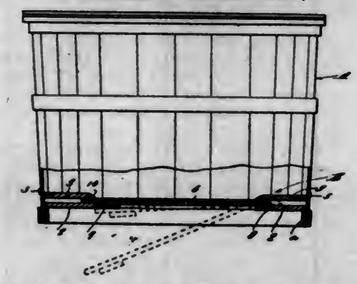
located in the casing below and in proximity to the drum with a plurality of branches connected to spaced portions of the bottom of the drum and a wall of heat-insulating material below the horizontal portion.

2,202,832

PRODUCE BASKET

Sylvester A. Carter, Roanoke, Va., assignor of twenty per cent to Robert C. Nelms, one-tenth to Roland Turner, and fifty per cent to Mary E. Carter, all of Roanoke, Va.

Application February 1, 1938, Serial No. 188,158
3 Claims. (Cl. 217—123)



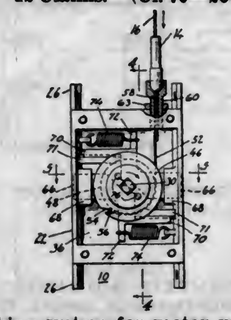
1. A basket bottom comprising a pair of segmental members spaced apart and having flat inner edges, a second pair of segmental members extending at right angles to the first pair and having their ends overlapping the ends of the first pair, means for securing the ends of each segmental member of the second pair to the ends of the first-mentioned segmental members, the four segmental members forming a rectangular opening, a third pair of segmental members paralleling the second pair and engaging the opposite faces of the first pair and a closure member for closing the rectangular opening, said closure member having flat side edges paralleling the straight inner edges of the first pair of segmental members, with the ends of the closure member fitting between the segmental members of the second and third pairs, a cross piece connected to the outer face of the closure member and having its ends projecting from the side edges thereof and engaging the outer faces of the first pair of segmental members, said cross piece being spaced a slight distance from one end of the closure member, the other end of the closure member being spaced a sufficient distance from the curved edges of the adjacent segmental members of the second and third pairs to permit the closure member to be moved a sufficient distance to permit the opposite end of the closure member to be moved beyond the inner edge of the adjacent segmental member of the second pair to permit the closure member to be swung outwardly and removed from the bottom.

2,202,833

VEHICLE DOOR LOCKING DEVICE

Thomas Harison Clarkson-Jones, Toronto, Ontario, Canada

Application January 12, 1938, Serial No. 184,516
12 Claims. (Cl. 70—264)



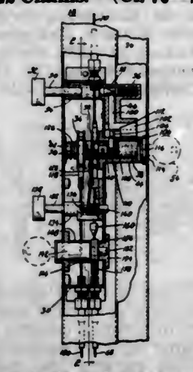
1. A locking system for motor vehicles having a plurality of doors comprising, in combination, a locking device located adjacent each of said doors at points spaced from one another, cable control means connecting the devices together for joint operation, lock bolts in said devices mounted for movement from projected locking position to withdrawn unlocking position, means including said cable control means for moving said bolts simultaneously to one of said positions, resilient means acting to yieldingly urge said lock bolts in the opposite direction of their movement, manually controlled mechanism operatively connected into said system and adapted to move said bolts to one position of their movement against the pressure of said resilient means and to releasably hold said bolts in such position, the resilient means in said devices being of sufficient strength to operate the system and return the bolts in the opposite direction to the other position of their movement when the bolts are released from the control of said mechanism.

2,202,834

DOOR LOCKING SYSTEM

Thomas H. Clarkson-Jones, Toronto, Ontario, Canada

Application March 16, 1938, Serial No. 196,237
22 Claims. (Cl. 70—264)



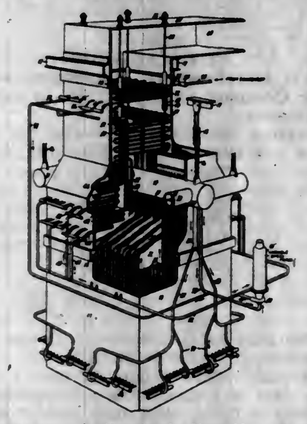
2. A locking system for an enclosed structure having a plurality of doors comprising, in combination, a door locking device associated with each door having a bolt operable into locked or unlocked position, means tensioning said devices for simultaneously operating the bolts thereof to one position of their movement, key operated control means including a rotatable lock barrel having locking elements adapted to lock the barrel in either of two positions of rotation corresponding to the locked and unlocked positions of said bolts, said tensioning means coupled to said barrel to rotate the barrel from one position to the other upon release of said locking elements.

2,202,835

MERCURY BOILER

Bevis P. Coulson, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 17, 1938, Serial No. 225,464
31 Claims. (Cl. 122—235)



12. A mercury boiler including the combination of walls having lower portions forming a combustion chamber and upper portions forming a convection chamber, a drum located at a level near the lower end of the convection chamber and supported on said walls, banks of inverted heating tubes located in the convection chamber above the drum and having lower ends connected to the drum, and means including a heating element located below the liquid level in the drum for conducting heated mercury liquid to the upper ends of said inverted heating tubes.

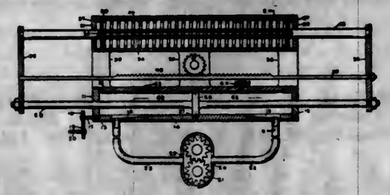
20. A fluid heating element for use in boilers comprising a plurality of tubes having portions aligned to form a wall, and other portions twisted to form a rope.

2,202,836

RATE MECHANISM

Richard C. Coupland, United States Army, Norfolk, Va.

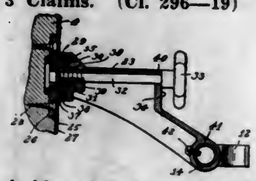
Application April 4, 1939, Serial No. 265,997
5 Claims. (Cl. 264—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A rate mechanism comprising in combina-

tion, a cylinder interiorly grooved longitudinally to provide a valve seat and closed at both ends, an elongated valve provided with ports at either end portion rotatably positioned in the valve seat, a piston disposed within said cylinder in sealed relation to the cylinder walls and valve and reciprocable to a position over either port for establishing communication past the piston, means normally restraining the piston to a position between said ports, a pump operable in accordance with the time rate of change in motion of a body, conduits adapted to be throttled by rotation of the valve leading from the intake and discharge of said pump to the interior of the cylinder through said ports, and transmission means operatively connected to said piston for displacement therewith.

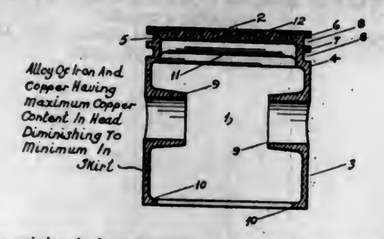
2,202,837
COT FASTENER
Donald H. Cox, Freeport, Ill., assignor to Henney Motor Company, Freeport, Ill., a corporation of Delaware
Application July 12, 1937, Serial No. 153,111
3 Claims. (Cl. 296—19)



1. A detachable cot fastener bracket comprising a supporting anchor plate having a projecting internally threaded portion, means for securing the plate to a support, a cot fastener bracket comprising a main elongated hollow body portion having at its inner end an enlarged recessed base portion adapted to fit against and partially conceal said anchor plate while receiving the projecting internally threaded portion in the recess in the base portion to support the bracket on said anchor plate and having on the outside of its other end a flat vertical abutment face, and an elongated hand-screw extending freely through the hollow body portion in axial alignment with the internally threaded projecting portion of the anchor plate, one end of said screw being externally threaded and being adapted to thread in the internally threaded portion of the anchor plate, and the other end of said screw having an enlarged head thereon adapted for manual rotation of the screw in the threading thereof in the anchor plate and also adapted to engage said flat vertical abutment face on the bracket whereby to force the bracket toward the anchor plate in the tightening of said screw and prevent outward displacement of the bracket relative to the anchor plate, said bracket also comprising a cot fastener arm in transverse relation to said hollow body portion and extending outwardly beyond the plane of the aforesaid abutment face, said hand-screw being operable by means of the enlarged head thereon independently of said cot fastener arm.

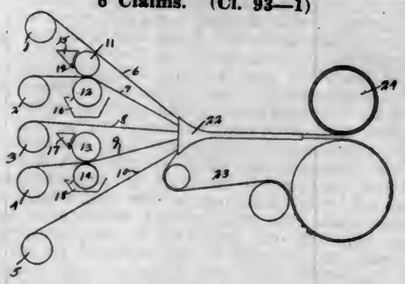
2,202,838
INTERNAL COMBUSTION ENGINE PISTON
Charles W. Dake, Grand Haven, Mich.
Application March 9, 1938, Serial No. 194,827
5 Claims. (Cl. 309—9)

1. An internal combustion engine piston having as its principal constituent, ferric base metal impregnated with a non-ferric metal having a higher heat conduction than the ferric base metal thereof with the greater density of impregnation



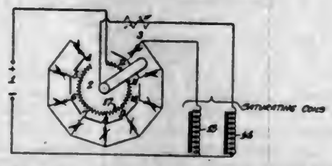
at the piston's head portion exposed to combustion during the engine's operation.

2,202,839
CIGARETTE MOUTHPIECE
Glenn Davidson, Aurora, Ill.
Application May 4, 1936, Serial No. 77,889
6 Claims. (Cl. 93—1)



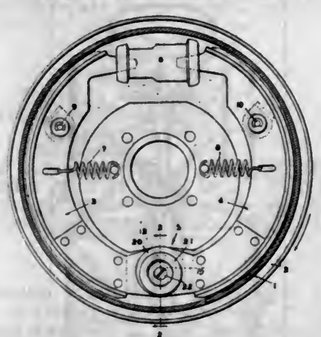
1. In a method of making mouthpieces for cigarettes the steps which comprise applying an adhesive to spaced locations on webs of cellulosic material, superimposing such webs one upon another, and enclosing said webs in an envelope to form a ribbon and then bending said ribbon along longitudinal lines to form a mouthpiece plug of circular section.

2,202,840
TUNING MECHANISM
Leon Ladislaus de Kramolin, Gross-Glienicke, Berlin-Kladow, Germany
Application August 11, 1936, Serial No. 95,454
In Germany August 13, 1935
8 Claims. (Cl. 250—40)



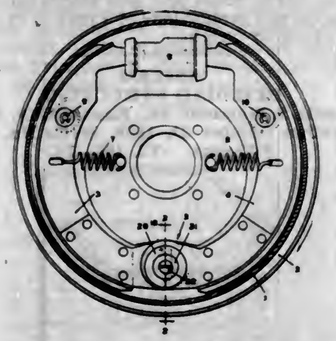
3. In combination a tuned circuit comprising an impedance having a control element responsive to variation of electric control energy, a resistance, a variable control means coacting with said resistance for varying the energy supplied to said control element, a plurality of auxiliary resistance elements, and means responsive to variation of said control means for sequentially connecting said auxiliary resistance elements in the control circuit as the variable control means is varied.

2,202,841
BRAKING MECHANISM
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application January 5, 1939, Serial No. 249,355
8 Claims. (Cl. 188—79.5)



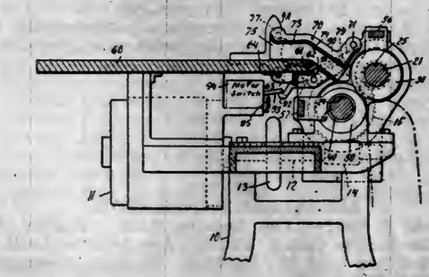
1. In braking mechanism, a support, two shoes positioned in end-to-end relation for cooperation with the drum, means for pivotally connecting adjacent ends of the shoes together to rotate about the same axis, means for so mounting said connecting means on the support as to anchor said shoes against circumferential movement but permit the ends of said shoes and their pivotal axis to be moved as a unit toward the drum during braking action and in accordance with wear of the shoes, and frictional means for preventing at all times the pivotal axis of the connection from moving away from the drum.

2,202,842
BRAKE SHOE MOUNTING
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application January 5, 1939, Serial No. 249,356
19 Claims. (Cl. 188—79.5)



1. In braking mechanism embodying a brake drum, a brake shoe and a brake shoe support, a brake shoe mounting comprising means constituting a pivot for the shoe and means constituting an abutment carried by the support at the shoe end for preventing circumferential movement of the shoe and permitting movement of the shoe toward the drum by force effective on the shoe during brake application when the brake lining thickness at the pivoted end of the shoe is reduced by wear, and friction means independent of the shoe and functioning to oppose movement of the pivoted end of the shoe away from the drum.

2,202,843
SHREDDING MACHINE
Bruce V. Edwards, East Orange, N. J.
Application April 6, 1937, Serial No. 135,220
10 Claims. (Cl. 164—60)



9. A shredding machine comprising a pair of parallel rotary shafts, a series of circular cutters assembled on said shafts in alternating and overlapping relations, means for driving the shafts, a feed table, a cover forming with the feed table a feed slot to the overlapping portions of the cutters, a pivotal support for the cover, means tending to move the cover about its pivot away from its slot forming position, means for rendering the shaft driving means inoperative when the cover is moved from its slot forming position, a latch for holding the cover in its slot forming position, and means at the sides of the feed table for releasing the latch.

2,202,844
STRAND OR CABLE
Irving W. Edwards, Detroit, Mich.
Application March 26, 1938, Serial No. 198,314
2 Claims. (Cl. 57—139)



1. A strand of intertwisted relatively softer and harder wires, the latter diametrically intercontacting and being symmetrical about the strand axis, and the softer wires being laid in the interstices between the harder wires, the intercontacting surfaces of the harder wires being shaped to provide larger bearings than would be provided by cylindrical wires.

2,202,845
DENATURED ALCOHOL CONTAINING ALDOL
Louis J. Figg, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 6, 1937, Serial No. 167,616
1 Claim. (Cl. 202—77)

Industrial ethyl alcohol denatured with 0.5 to 5 parts of aldol, as an essential denaturing element, per 100 parts of 95% ethyl alcohol.

2,202,846

COPOLYMERS OF POLYALLYL ESTERS AND POLYMERIZABLE UNSATURATED COMPOUNDS

Benjamin S. Garvey, Akron, and Claude H. Alexander, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 2, 1936, Serial No. 77,608
11 Claims. (Cl. 260—78)

8. A process which comprises polymerizing a mixture including a polyallyl ester of a saturated polybasic acid, and a compound containing the polymerizable group

$$\diagdown C{=}CH_2$$

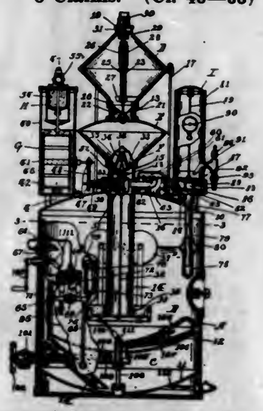
and no other polymerizable group.

2,202,847

ACETYLENE GENERATOR

David F. Geiger, Los Angeles, Calif., assignor of one-half to Carl J. Nyquist, Los Angeles, Calif., and one-half to Rudolph Shuhart, Summit City, Calif.

Application August 23, 1937, Serial No. 160,489
8 Claims. (Cl. 48—38)



1. In an acetylene generator, the combination of a liquid container sealed to exclude air and form a gas chamber above liquid therein and having a gas generating tube depending into the lower portion thereof, a carbide feed hopper having a feed duct entering said tube, a valve controlling said duct, means actuated by the level of liquid in said container for operating said valve, a feed element below said valve, and means operable by the flow of gas from said container for actuating said feed element and regulating the supply of carbide to said tube.

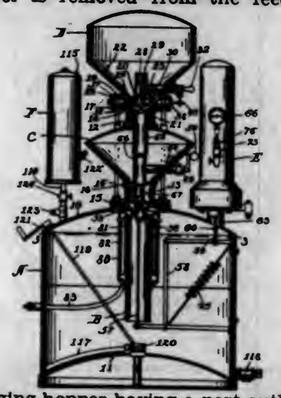
2,202,848

ACETYLENE GENERATOR

David F. Geiger, Los Angeles, Calif., assignor of one-half to Carl J. Nyquist, Los Angeles, Calif., and one-half to Rudolph Shuhart, Summit City, Calif.

Application September 2, 1937, Serial No. 162,141
14 Claims. (Cl. 48—38)

1. In an acetylene generator, the combination of a liquid container sealed to exclude air and form a gas chamber above liquid therein and having a gas generating tube depending into the lower portion thereof, a carbide feed hopper having a feed duct entering said tube, a valve controlling said duct, means actuated by the pressure of gas in said container for actuating said valve and regulating the supply of carbide to said tube, a carbide charging hopper detachably connected by an air excluding duct to said feed hopper for transferring carbide from the charging hopper to the feed hopper, and a valve for closing said air excluding duct when the charging hopper is removed from the feed hopper,



said charging hopper having a port outlet adapted to register with said air excluding duct when the charging hopper is connected with the feed hopper, a valve for closing said port outlet, an actuating device for opening said charging valve and means for opening said port closing valve and operating said actuating device to open said charging valve.

2,202,849

RESINS, GUMS, AND BALSAMS

Rudolph R. Grant, Dayton, Ohio, assignor of one-fourth to Max Isaacson, Dayton, Ohio, and one-fourth to Sol Shappirio, Washington, D. C.

No Drawing. Application August 22, 1935, Serial No. 37,397
19 Claims. (Cl. 260—398)

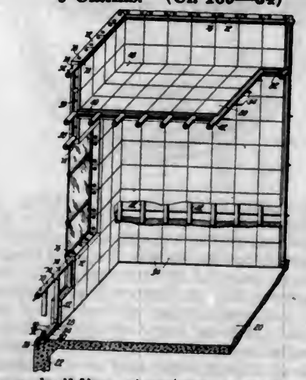
1. An exothermic heat reaction product of true resinous character from a glyceride oil and an oxide selected from the group consisting of the alkaline earth metal and and magnesium oxides in appropriate proportions of 1 part of oxide to 14 parts of oil by weight.

2,202,850

BUILDING STRUCTURE

Emile S. Guignon, Jr., Kansas City, Mo.

Application October 31, 1938, Serial No. 237,913
9 Claims. (Cl. 189—34)



1. In a building structure a wall comprising

vertically disposed, spaced apart tubes, rectangular blocks fitted between said tubes, with edge grooves formed therein engaging said tubes so as to present planar wall surfaces at the opposite sides of said tubes, transverse rods passing through said tubes at the junction of said blocks having associated, adjustable means whereby said blocks and tubes are drawn together and secured in the operative position.

2,202,851

EXPLOSIVE

George C. Hale, Dover, N. J.

No Drawing. Application October 16, 1939, Serial No. 299,704
2 Claims. (Cl. 52—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An explosive comprising picric acid 85% to 90% and mononitronaphthalene 10% to 15%.

2,202,852

VALVE

James Hansen, Flushing, N. Y., assignor of one-half to Gustav Drews, Brooklyn, N. Y.

Application February 3, 1938, Serial No. 188,411
41 Claims. (Cl. 221—60)



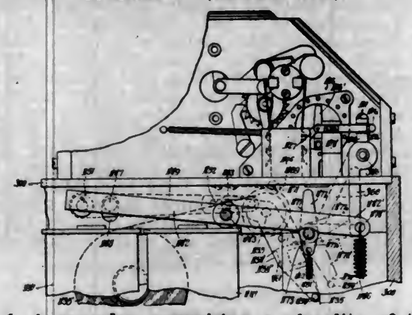
1. The combination of two valve elements having interruptions to cooperate with one another either to close or open the valve and having closed conical spiral formations, one disposed within the other with coacting spiral faces, a spiral seat on one of said valve elements, and a flange initially extending axially from the other of said valve elements alongside of the spiral seat of said first valve element and moldable to be bent laterally into cooperative engagement with said spiral seat.

2,202,853

ELECTRIC SIGNALING, SUPERVISING, AND RECORDING SYSTEM

James R. Harrington, Mansfield, Ohio, assignor, by mesne assignments, to The Autocall Company, Shelby, Ohio, a corporation of Ohio

Application February 8, 1936, Serial No. 62,913
10 Claims. (Cl. 234—27.5)



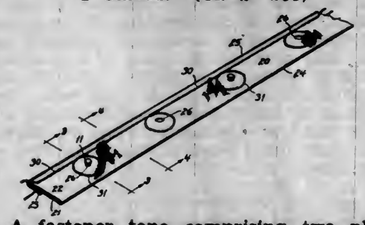
1. A recorder comprising a plurality of type wheels, advancing pawls for advancing said type wheels, a cam shaft comprising means for holding all but one of said pawls in inoperative position, said cam shaft in progressive angular movement selecting the pawls to be placed in operative position, a selecting coil, an armature responsive thereto, means for imparting motion from said armature to said cam shaft when said selecting coil is de-energized, a step-up coil, an armature responsive thereto operatively connected to actuate said pawls to advance the type wheels selected by said cam shaft, holding pawls for holding said wheels in their advanced positions, printing mechanism for making the printing impression, a printing coil for actuating said printing mechanism, a first control mechanism for normally retaining said holding pawls in their inoperative positions and for normally preventing operation of said cam shaft, means for releasing said first control mechanism when said step-up coil is energized, a second control mechanism for normally preventing operation of said printing mechanism, means for changing the condition of said second control mechanism after said cam shaft has been actuated through a predetermined motion, and means functioning after the operation of said printing mechanism for restoring said first and second control mechanisms to normal conditions.

2,202,854

FASTENER TAPE

John F. Hartnett, Cleveland Heights, Ohio, assignor to Wilson Fastener Company, Cleveland, Ohio, a corporation of Ohio

Application October 31, 1934, Serial No. 750,812
4 Claims. (Cl. 2—265)



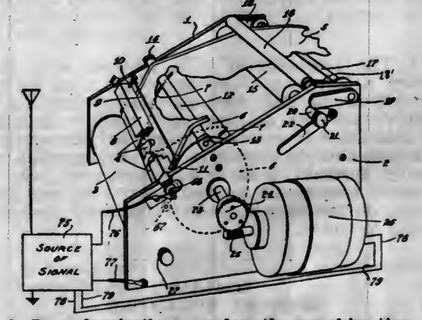
1. A fastener tape comprising two plies of fabric, a row of fasteners between the same, and a continuous course of stitching extending along a region between fasteners and then making a complete circle about the fastener and crossing itself and continuing to the next fastener and making a complete circle about it, and so on.

2,202,855

FACSIMILE RECORDER

John V. L. Hogan, Forest Hills, and Hugh C. Ressler, Richmond, N. Y., assignors to Radio Inventions, Inc., New York, N. Y., a corporation of New York

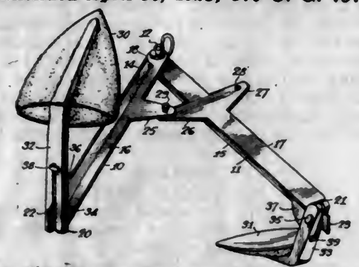
Application September 14, 1938, Serial No. 229,980
18 Claims. (Cl. 178—11)



1. In a facsimile recorder, the combination of, a helical ridge for pressing against one side of a record sheet to form a slightly raised portion in said sheet, a flexible linear electrode, and

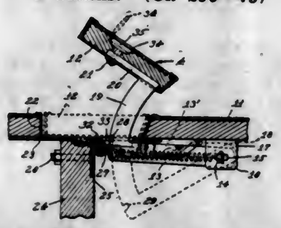
springs for pressing said electrode against the other side of said record sheet wherein said electrode is flexible enough to at least partially conform to said raised portion.

2,202,856
BOAT ANCHOR
James F. Hottel, Washington, D. C.
Application December 24, 1938, Serial No. 247,692
9 Claims. (Cl. 114—208)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A foldable anchor comprising a pair of beams swiveled shearingly adjustable one past the other from superimposed parallel positions to predetermined angles, means for releasably maintaining said beams at any one of a plurality of angles with respect to each other, arm-like members swivelly mounted one to each beam, means for releasably maintaining predetermined angles between said arm-like members and the respective beams, and flukes fixed to the respective arm-like members.

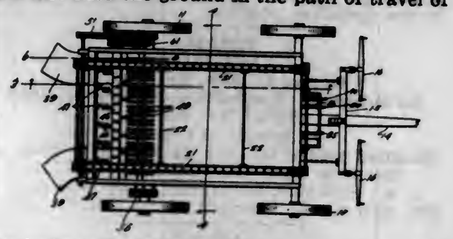
2,202,857
FOOTREST FOR VEHICLES
Walter T. Jacobs, Freeport, Ill., assignor to Henney Motor Company, Freeport, Ill., a corporation of Delaware
Application July 26, 1939, Serial No. 286,665
5 Claims. (Cl. 296—75)



1. The combination in a footrest of a foot board, a pair of pivoted supporting arms having arcuate outer end portions rigidly attached to said foot board, an abutment member in front of said arms to receive and support the arcuate portions thereof, spring means urging said arms bodily forward toward said abutment, and a support rearwardly located relative to said foot board on which said arms are slidably and pivotally mounted.

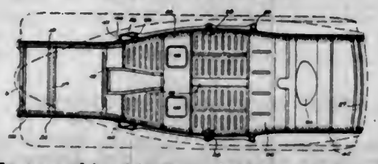
2,202,858
MANURE SPREADER
Richard A. Johnson, Moncure, N. C.
Application September 8, 1938, Serial No. 229,034
4 Claims. (Cl. 275—5)

1. In a manure spreader, a wheel-supported box-like body for manure having a bottom, and a rear end provided with a slot therein extending substantially across said body and opening onto said bottom, an endless conveyor on said body having a lower run extending from front to rear of the body and operative to move said run rearwardly and thereby eject the manure out of said slot onto the ground in the path of travel of



the body, and means to eject manure from said body rearwardly and laterally of said path comprising a pair of box-like spouts mounted on said body at opposite sides thereof, respectively, and in rearwardly extending position beneath said bottom, said spouts having inner ends into which manure is fed by said conveyor, and rear discharge ends curving laterally outwardly, and means to operate said conveyor.

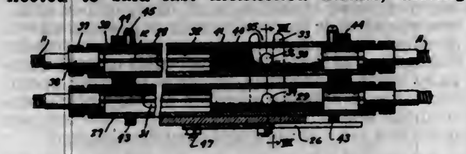
2,202,859
COMBINED BODY AND CHASSIS UNDERFRAME
Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 6, 1937, Serial No. 178,315
8 Claims. (Cl. 296—28)



3. In a combined body underframe and chassis structure for an automobile, a sheet metal flooring, upwardly opening channel shaped longitudinal sills following in plan view the lower marginal contours of a body superstructure to be combined with said underframe and chassis structure, the mouths of said sills being closed by said sheet metal flooring, said flooring being provided along each of its outer lateral margins immediately adjacent the outer edge of the respective sill with a downwardly bent off flange, said flange forming connecting means for said superstructure and forming a reinforcement of said flooring and of the body underframe and chassis structure, said flanges forming furthermore means for concealing from view the upper part of said sill members and of their outer connection with the floor stamping.

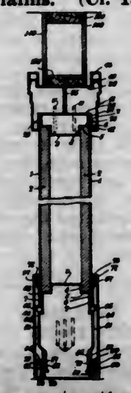
2,202,860
STIRRER
William F. McPhee, Joliet, and Alfred N. Severin, Chicago, Ill.
Application September 8, 1938, Serial No. 228,910
2 Claims. (Cl. 74—501)

1. A device for reciprocating a plurality of separated reciprocable parts remotely disposed, comprising cylinders having elongated slots therein, pistons within the cylinders, pins through said slots and connected to said pistons, means connected to said pins for causing simultaneous movement of said pistons, driving means connected to said last mentioned means, driving



wires connected to said pistons and projecting through both ends of the cylinders for operative connection to said remotely disposed separated reciprocable parts with one wire to a part, and means encasing said wires to limit movement of said wires in accordance with reciprocations of said pistons to push pull movement.

2,202,861
PARTITION STRUCTURE
George M. Mills, Cleveland Heights, Ohio, assignor to The Mills Company, Cleveland, Ohio, a corporation of Ohio
Application February 21, 1935, Serial No. 7,648
5 Claims. (Cl. 189—34)



3. A partition construction comprising a plurality of preformed panel units, means connecting said panel units together to form a partition, a cornice member extending along said panel units and including a pair of channel members arranged with their webs in back to back abutting relation and having their flanges forming a groove slidably receiving said panel units, each of said panel units including wall forming members and a horizontally extending, channel-shaped structural member, said structural member and said cornice member together forming an inherently rigid, horizontally extending, tubular assembly, and a generally channel-shaped cornice trim member detachably engaging the flanges of each of said cornice forming channel members respectively.

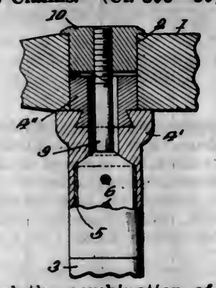
2,202,862
PARTITION STRUCTURE
George M. Mills, Cleveland, Ohio, assignor to The Mills Company, Cleveland, Ohio, a corporation of Ohio
Application January 11, 1937, Serial No. 119,899
18 Claims. (Cl. 189—34)

1. In a partition structure, a panel unit including a plurality of wall-forming panel sheets, spaced upright end members secured to said panel sheets respectively adjacent an edge of said panel unit, paired insulating members extending be-



tween and spacing said end members, means securing said insulating members together to clamp said end members therebetween, and spaced insulating members extending along said panel sheets.

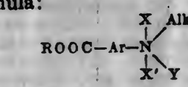
2,202,863
DETACHABLE TOOL HANDLE
Max Plön, Basel, Switzerland
Application January 22, 1938, Serial No. 186,473
In Germany October 11, 1937
2 Claims. (Cl. 306—30)



2. In a tool the combination of a metal tool head having an opening therein for a handle, which opening is transverse to the longitudinal axis of the tool head, a handle for the tool head, said handle being provided with a shoulder at its upper end whereby the part of the handle beyond the shoulder forms a key which may be snugly inserted into the opening in the metal tool head with the shoulder abutting against the lower surface of the head, and complementary screw-threaded male and female connecting members, one of which members is secured to the handle on the longitudinal axis thereof and extends beyond the key and the other of which members fits snugly in the opening in the tool head opposite to the key on the end of the handle and which latter member is internally screw-threaded and is provided with a flange abutting the upper surface of the head to form the sole means for rigidly but detachably uniting all of the parts together by the interengagement of the screw threads.

2,202,864
QUATERNARY AMMONIUM SALTS
Henry Alfred Piggott and Clarence Sydney Woolvin, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 9, 1937, Serial No. 124,922. In Great Britain February 12, 1936
14 Claims. (Cl. 260—456)

1. New quaternary ammonium salts having the general formula:



wherein R represents a long chain aliphatic hy-

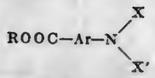
drocarbon group containing from 10 to 20 carbon atoms, Ar denotes an aromatic radical of the benzene series selected from the class consisting of phenylene and methylphenylene radicals, X and X' each represent a lower alkyl group containing from 1 to 4 carbon atoms, and Y represents the anion of an acid selected from the class consisting of inorganic acids and organic sulfonic acids.

2,202,865
DIALKYLAMINOBENZOATES AND PROCESS OF MAKING THEM

Henry Alfred Piggott and Clarence Sydney Woolvin, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Original application February 9, 1937, Serial No. 124,922. Divided and this application July 13, 1938, Serial No. 219,096. In Great Britain February 12, 1936
15 Claims. (Cl. 260—471)

1. New dialkylaminobenzoates having the general formula:

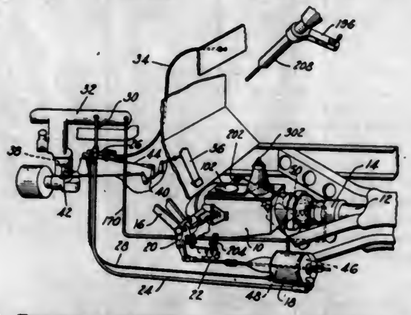


wherein R represents a straight chain primary aliphatic hydrocarbon group containing from 12 to 18 carbon atoms, Ar denotes an aromatic radical of the benzene series selected from the class consisting of phenylene and methyl phenylene radicals, and X and X' each represent a lower alkyl group containing from 1 to 4 carbon atoms.

2,202,866
GEAR SHIFTING MECHANISM

Harold W. Price, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application March 20, 1935, Serial No. 11,945
4 Claims. (Cl. 74—334)

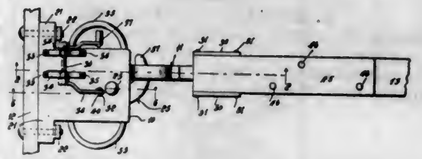


1. Power gear shifting mechanism for the variable-speed transmission of an utomotive vehicle, said mechanism including a shifting member operable to establish different gear relations, pressure differential operated means for moving said member laterally and/or longitudinally for selecting and establishing a desired gear relation, said latter means comprising a plurality of motors detachably mounted as a unit upon the casing of the transmission, means normally biasing said shifting member to a position to subsequently effect either a second or high gear operation of the transmission, valve means for controlling the operation of said unit, and electrical means for operating said valve means, said electrical means comprising a plurality of solenoids, a selector switch unit provided with an H-shaped slotted portion, a manually operated control member selectively movable to different locations within said slot to thus simulate the corresponding operation of the shift lever of a standard transmission mechanism, said valve operating electrical means further including a plurality of power operated switches so constructed and wired one to another and to said selector switch as to insure, subsequent to a selecting operation of said manually operable member, either a selecting operation of said shifting member or sequential neutralizing and selecting operations of said member prior to a gear establishing operation thereof.

2,202,867
TRAILER HITCH

Albert L. Rankin, Stevenson, Wash., assignor of one-half to Margaret R. Calendine, Cascade Locks, Oreg.

Application December 15, 1938, Serial No. 245,978
4 Claims. (Cl. 280—33.15)

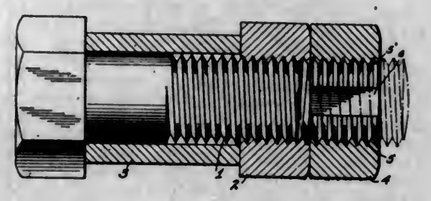


1. In a device of the class described, a coupling head provided with a recess, a hook pivotally mounted in said recess and having a restricted shank, a slide member reciprocally mounted in said recess and provided with a slot adapted to receive said restricted shank, a latch member extending downwardly through said block and slidably mounted therein, and an operator mounted on top of said block and connected to said latch member.

2,202,868
NUT LOCK

John H. Reohr, Jamaica, N. Y., assignor of one-half to Erling C. Olsen, New York, N. Y.; Bertha Elizabeth Reohr executrix of said John H. Reohr, deceased

Application March 29, 1935, Serial No. 13,591
Renewed August 11, 1939
10 Claims. (Cl. 151—22)

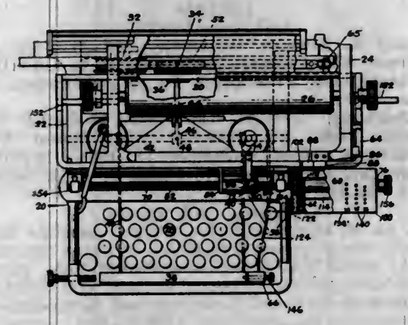


6. A locking member of the class described which is provided with a series of annulated grooves extending circumferentially thereon and comprising a plurality of arcuate portions each offset longitudinally from its circumferentially adjacent portion, the ends of said arcuate portions of the walls of said annulated grooves being forced slightly out of their normal alinement when engaged with a co-operating standard spiral threaded member.

2,202,869
JUSTIFYING MEANS FOR TYPEWRITERS AND OTHER MACHINES

Edward N. Robinson, Jr., and Henry W. Krukau, Providence, R. I., assignors to twenty-two per cent to Henry W. Krukau, thirty-nine per cent to Edward N. Robinson, Jr., and thirty-nine per cent to Robert S. Holding, Jr., Providence, R. I.

Application July 28, 1936, Serial No. 92,978
32 Claims. (Cl. 197—84)

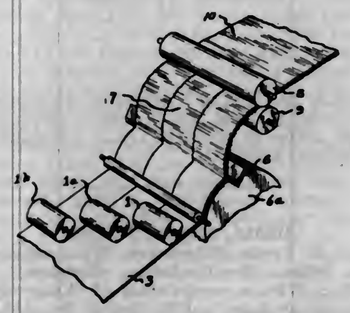


2. In combination with a typewriter having a carriage, type keys, at least one word space key and a uniformly operable escapement controlled main drive mechanism for said carriage providing uniform type spacing on actuation of the type keys and uniform word spacing on actuation of a word space key, supplemental means for transmitting movement of said word space key to cause supplemental movement of the carriage without interfering with its main escapement controlled drive mechanism movement and zero return movement and means for adjusting the movement of said last-mentioned word space key to vary the movement imparted by said supplemental means to adjust the spaces between words by supplemental amounts for accurate justification.

2,202,870
CREPED ARTICLE INCLUDING METAL FOIL

William Wallace Rowe, Cincinnati, Ohio, assignor to The Paper Service Company, Lockland, Ohio, a corporation of Ohio

Application August 5, 1935, Serial No. 34,688
1 Claim. (Cl. 154—55)

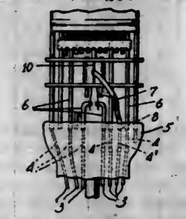


A multiply article comprising a layer of backing substance and a plurality of sidewise-disposed layers of metal foil, the whole being creped and embossed.

2,202,871
RADIO TUBE AND THE LIKE

Milton R. Schulte, West Orange, N. J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware

Application July 5, 1938, Serial No. 217,381
8 Claims. (Cl. 250—27.5)

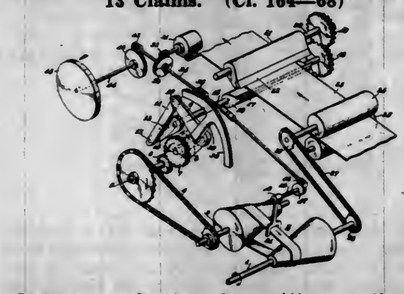


1. In a radio tube, a mount comprising a press and a leading-in wire having a soft, flat stock flexible tip of high thermal conductivity welded thereto and leading into the tube and connected with a tube element, said leading-in wire and the weld to the flat stock tip being sealed in the press.

2,202,872
CUTTING MECHANISM

Albert F. Shields, Jamaica, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York

Application February 17, 1938, Serial No. 191,060
13 Claims. (Cl. 164—68)



5. In a mechanism for cutting continuously moving strip material, a cutting mechanism; a source of driving power therefor; a first arm turning about its individual center and connected to said source of power, a second arm connected to said cutting mechanism, and a connecting link between said first and second arms, said arms and link connecting said cutting mechanism and said source of driving power for driving said cutting mechanism at variable speed throughout a cycle and at a predetermined speed during a predetermined portion of the cycle; and means for changing the period of the cycle of said cutting mechanism to change the size of strip material while maintaining said cutting mechanism at said predetermined speed during said predetermined portion of the cycle, said last means comprising means for shifting the center of rotation of said first arm about a predetermined center.

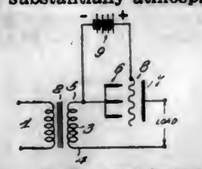
2,202,873
APPARATUS FOR RECTIFYING ALTERNATING CURRENTS

Games Slayter, Newark, Ohio, assignor to Electronic Research Corporation, Newark, Ohio, a corporation of Ohio

Application February 12, 1938, Serial No. 190,308
8 Claims. (Cl. 175—363)

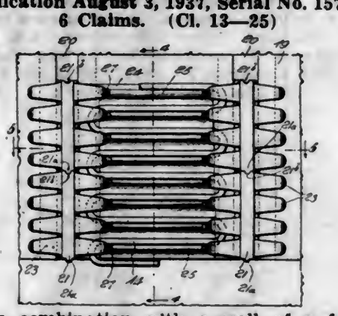
1. A high voltage rectifier comprising in com-

bination, a target electrode, a discharge point directed toward said target electrode, means for establishing an alternating potential between said target electrode and said discharge point under conditions of substantially atmospheric pressure,



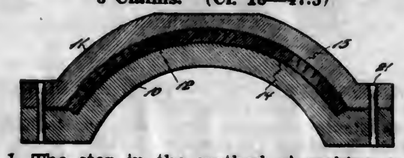
a control electrode disposed between said target electrode and said discharge point, and means for maintaining said control electrode at a positive potential with respect to the discharge point for passing current in one direction only from the target electrode to the load.

2,202,874
HEATING ELEMENT MOUNTING CONSTRUCTION
Edwin L. Smalley, Whitefish Bay, Wis., assignor to Hevi Duty Electric Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 3, 1937, Serial No. 157,218
6 Claims. (Cl. 13—25)



1. In combination with a wall of a furnace chamber, a refractory plate having corrugations on one face with shoulders on the ends of said corrugations and a plane surface on the reverse face, a preformed return bend heating element having straight portions lodged in grooves formed by said corrugations and return bend portions looped around the shoulders on said corrugations, and other refractories secured to the said wall and having fluted edges engaged with the shoulders on said corrugations for loosely confining the heating element in position with respect to said plate and for holding the said plate with the plane surface thereof adjacent said wall.

2,202,875
METHOD OF MOLDING A SHOE SOLE
Paul A. Sperry, New Haven, Conn.
Application May 12, 1938, Serial No. 207,463
3 Claims. (Cl. 18—47.5)



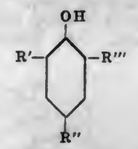
1. The step in the method of making a slip retarding shoe sole which comprises molding and shaping a thermoplastic material on an arc of a circle with wedge shaped fins extending from the concave side of the mold to form correspondingly shaped recesses in the convex side of the molded material, the relation between the opposite converging surfaces of said wedge fins and the said arc being such that the flexing of said molded material into a flat plane will cause the opposite surfaces of each recess to contact and completely close each recess, then flexing said sole to such flat shape and fixing it in such shape.

2,202,876
ANTIOXIDANTS
Donald R. Stevens, Swissvale, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application December 13, 1933, Serial No. 702,258, now Patent No. 2,061,111, dated November 17, 1936. Divided and this application November 9, 1936, Serial No. 110,014
5 Claims. (Cl. 44—9)

1. As an antioxidant for cracked gasoline distillate, which gasoline distillate contains constituents which unless inhibited would form gums upon storage and exposure to light and air, the reaction product of a phenol and hydrocarbon constituents boiling below 140° F. and normally present in cracked gasolines as formed, said reaction product being insoluble in water and in dilute aqueous alkali solution and substantially free from the original phenol.

2,202,877
ANTIOXIDANTS AND PETROLEUM OILS CONTAINING THE SAME
Donald R. Stevens, Swissvale, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application April 12, 1937, Serial No. 136,504
14 Claims. (Cl. 44—9)

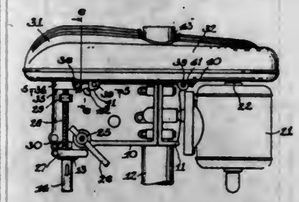
1. A new composition of matter, comprising a hydrocarbon oil containing constituents which, when uninhibited, normally tend to undergo oxidational changes resulting in deterioration of said oil, and a small quantity, sufficient to restrain or inhibit such change, of a compound represented by the structural formula:



wherein R', R'' and R''' represent alkyl substitution groups, at least one of which, occupying a position ortho to the OH group, contains 3 or more carbon atoms.

2,202,878
DRILL PRESS GUARD
Herbert E. Tautz, Milwaukee, Wis., assignor to The Delta Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 1, 1937, Serial No. 145,713
6 Claims. (Cl. 74—611)

1. The combination, with a spindle-carrying head having a belt drive thereon including driving and driven pulleys, of an end guard secured to said head to house the driven pulley, and a pair of complementary opposed side guards of channel cross-section secured to said head to house the driving pulley and belt and extending to said end guard, each side guard extending



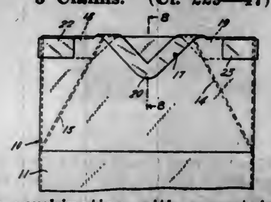
over and under the belt, at least one of said side guards being movable laterally of said head for access to the drive, and said head and last-named side guard having interengageable parts for supporting and positioning said side guard.

2,202,879
CONTAINER CONSTRUCTION
Oscar W. Wentz, Long Island City, N. Y.
Application March 1, 1937, Serial No. 128,348
14 Claims. (Cl. 229—17)



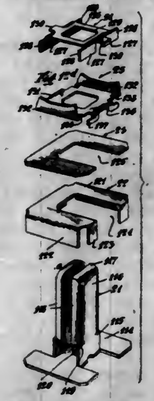
12. A container construction comprising sheet material folded into tube-like form and having score lines defining front and rear walls and two side walls, each of said side walls having a dividing score line extending substantially centrally therealong, said tube-like form being flattened out to bring said front and rear walls back to back and to fold each of said side walls upon itself along said dividing score line, said flattened container construction having thereby an aggregate width equal to that of either of said front and rear walls plus the widths of one-half of each of said folded-over side walls, said side walls having score lines adjacent their respective ends whereby, when said two folded-over side walls are operated upon to unfold each throughout an intermediate portion of the container construction and to bring the two halves of each side wall substantially into a single plane throughout said intermediate portion, the remaining or end portions of said side walls remain folded each upon itself to fall into the straight line along which the end edges of the front and rear walls are brought together, thereby to form a straight-line closure at each end, and means holding the straight-line closures at said two ends in closure relationship.

2,202,880
CONTAINER CLOSURE
Oscar W. Wentz, Long Island City, N. Y.
Application March 1, 1937, Serial No. 128,352
8 Claims. (Cl. 229—47)



4. The combination with a container made of paper, or the like, having an otherwise open end closable by folding the end portions of the container wall together, of a sheet metal closure-retaining device comprising a sheet metal member having two end portions that have extensions beyond the ends of the container closure, said extensions being bendable therearound to hold the container wall thicknesses at the ends of the closure against separation, and an intermediate portion forming, when bent over and beyond the top edge of said closure, two spaced clamping means for the wall thicknesses intermediate the ends of the closure.

2,202,881
STRUCTURAL ASSEMBLY
Edward Nicholas Winslow, Shaker Heights, Ohio, assignor to The Mills Company, Cleveland, Ohio, a corporation of Ohio
Application October 15, 1937, Serial No. 169,280
12 Claims. (Cl. 189—34)

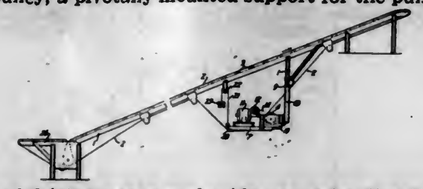


12. A wall support including in combination, a floor stud having a floor contacting portion and an upwardly projecting stud forming portion, a master shim of horseshoe form having a top wall portion and downwardly extending flange portions, said master shim being adapted to straddle the stud forming portion and rest on the floor contacting portion of the floor stud, and a simple shim adapted to rest on said master shim.

2,202,882
CONVEYER
Howard W. Wylie, Seattle, Wash., assignor to Mailler Searles, Inc., San Francisco, Calif., a corporation of California
Application August 20, 1937, Serial No. 160,107
15 Claims. (Cl. 198—203)

1. A conveyer comprising an endless belt hav-

ing a bight formed therein, a drive pulley engaging the bight, driving means connected to the pulley, a pivotally mounted support for the pulley

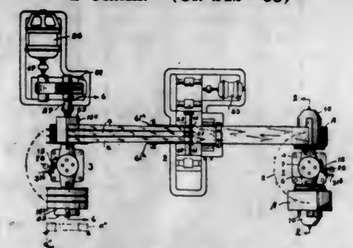


and driving means, and guide means for directing the belt under the support, the support and driving means being movable to automatically take up slack in the belt.

2,202,883
APPARATUS FOR OPERATING ON COILED SHEET MATERIAL

Leonard A. Yoder, Lakewood, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio

Application December 15, 1937, Serial No. 179,922
1 Claim. (Cl. 242—55)



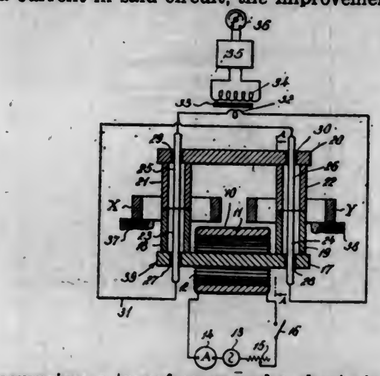
In apparatus of the class described, the combination of a head, a plurality of shafts rigidly mounted at their inner ends on said head in angular relation, an expansible drum rotatably mounted on each of said shafts and adapted to receive a coil of sheet material, said head being rotatably mounted whereby each of said drums may be swung to a predetermined position to permit the uncoiling of the material therefrom, a separate head spaced from said first mentioned head, a plurality of shafts rigidly mounted at their inner ends on said separate head in angular relation, an expansible drum rotatably mounted on each of said shafts and adapted to re-coil the material thereon, said separate head being rotatably mounted, whereby each of said last mentioned drums thereon may be swung to a predetermined position in alinement with the first mentioned, predetermined positioned drum, means for locking each head in each predetermined position, separate means between the separate head and the inner end of each re-coiling drum for preventing the latter from rotating in the uncoiling direction, means between the first mentioned head and the inner end of each un-coiling drum for retarding the rotation of the latter, and power means arranged to be detachably connected to the outer end of each re-coiling drum when it is in re-coiling position.

2,202,884
MAGNETIC ANALYSIS

Theodor Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York

Application October 1, 1937, Serial No. 166,836
10 Claims. (Cl. 175—183)

1. In an apparatus for analyzing an annular magnetizable body having means for creating a flux in said body, a circuit disposable in inductive relationship with the flux thus created, and means for determining the effect of the flux upon a current in said circuit, the improvement which

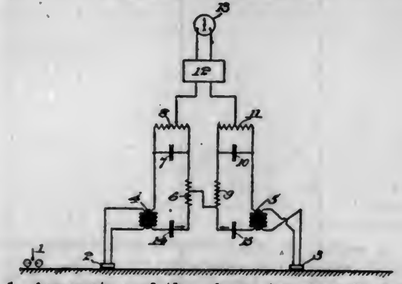


comprises a transformer and a short circuit ring of relatively high conductivity disposed in inductive relationship with the transformer and constructed of a plurality of segments, so that it may be linked through said annular body.

2,202,885
APPARATUS FOR GEOPHYSICAL EXPLORATION

Theodor Zuschlag, West Englewood, N. J., assignor to Hans T. F. Lundberg, Montreal, Quebec, Canada

Application October 21, 1937, Serial No. 170,227
8 Claims. (Cl. 181—0.5)



1. Apparatus of the character described comprising, two pickups adapted to change continuous mechanical vibrations into continuous electrical oscillations, a plurality of similar electrical resistances in circuit with said pickups, similar phase shifting devices electrically connected to one said resistance in each circuit, and a direct reading and balance indicating device electrically connected to the said circuits for measuring the amplitude and phase relation of the artificially produced mechanical vibrations without the employment of a recording device involving manual procedure for obtaining its indication.

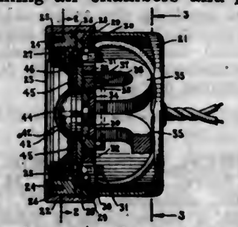
2,202,886
MICROPHONE

Alexander Isador Abrahams, New York, N. Y.

Application June 15, 1937, Serial No. 148,291
1 Claim. (Cl. 179—180)

A microphone comprising a diaphragm, a coil secured to said diaphragm, inner and outer pole pieces for said coil, a damping member secured directly to the inner and outer pole pieces, said damping member having therein a plurality of

circumferential grooves and a plurality of radial grooves forming air chambers and passages be-



tween its surface and the surfaces of said pole pieces when attached thereto.

2,202,887
WELL CASING PERFORATOR

Millio F. Aloi, Maywood, Calif.

Application June 26, 1939, Serial No. 281,214
13 Claims. (Cl. 164—0.5)

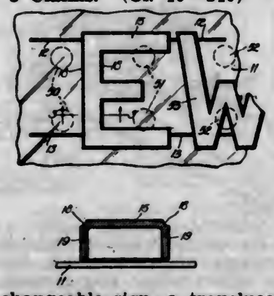


1. A casing perforator comprising a body provided with a chamber for the reception of an explosive charge, there being chambers formed in the body for directing the force of the exploded charge laterally against the well casing in which the perforator is positioned, projectiles located in said last mentioned chambers and magnets actuated means located wholly within said body and operable from the exterior thereof for producing an electric spark within the explosive charge.

2,202,888
SIGN AND SIGN CHARACTER

George A. Auer, Chicago, Ill., assignor to Wagner Sign Service, Inc., Chicago, Ill., a corporation of Illinois

Application January 19, 1937, Serial No. 121,318
3 Claims. (Cl. 40—140)



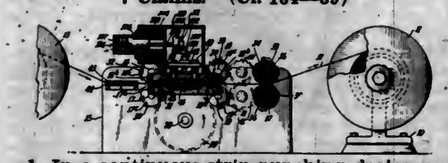
3. In a changeable sign, a translucent panel,

a plurality of characters supported on the face of said panel adjacent one another, a plurality of lamps behind said panel for displaying said characters, respectively, in silhouette, each lamp being positioned directly in rear of its associated character, each said character having a peripheral flange extending rearwardly substantially perpendicular to its face, each said character also having a concave peripheral groove lying partly in the flange and partly in the face of the character.

2,202,889
STRIP PUNCHING MACHINE

Harold O. Bates, Cranford, N. J.

Application June 13, 1939, Serial No. 278,822
7 Claims. (Cl. 164—89)

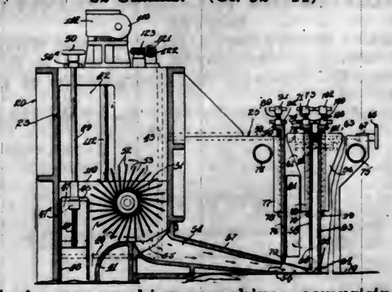


1. In a continuous strip punching device comprising means for feeding a strip, a moving frame for supporting a male die on one side of said strip and a second moving frame for supporting a female die on the other side of said strip, means for moving said supporting means in the direction of and in the speed of the strip when opposite the position where the punching operation is to take place and means carried by said second supporting means for moving the male die against the female die, means for moving the male die comprising a solenoid connected to one of said dies to operate the same and means positively geared to the feed mechanism for the strip for operating said solenoid at predetermined intervals along the strip at the time when said dies reach the punching position.

2,202,890
PRESSURE AND VACUUM FORMING PAPER-MAKING MACHINE

Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin

Application March 27, 1936, Serial No. 71,109
32 Claims. (Cl. 92—44)



1. A papermaking machine comprising a looped forming wire, a head box mounted adjacent one end of said looped wire, said head box having a chamber therein for containing a pond of paper stock, an open ended closed perimeter nozzle extending from said chamber on top of said forming wire for conveying stock from the pond to the wire, a slice plate in front of the discharge end of said nozzle, means for raising and lowering said slice plate with respect to said wire, an open topped box beneath the upper run of said forming wire extending from the discharge orifice of said nozzle beyond said slice

plate, closely spaced small diameter table rolls rotatably mounted across the top of said box for supporting the forming wire as it travels thereover and means for regulating drainage from said box whereby stock may be delivered to the wire under a desired pressure head and rate of flow and drainage of white water through the wire on both sides of the slice may be carefully controlled without sagging the wire.

6. A paper stock feed device for papermaking machines having a forming wire comprising means defining a chamber for a pond of stock, a nozzle extending on top of the forming wire for conveying stock from the pond to the forming wire and a vaned metering wheel having spaced longitudinal vanes defining pockets therebetween for tapping off stock from the pond into the nozzle, said paddles extending transversely across the mouth of the nozzle.

30. A stock inlet for a Fourdrinier type papermaking machine comprising a fluid confining nozzle having a delivery mouth adapted to be disposed over a Fourdrinier forming wire, a top wall member movable beyond the upper lip of the nozzle to define a variable confined web forming area on the wire for stock supplied from the nozzle without changing the volume of the nozzle behind the upper lip thereof, and means engaging the forward end of the wall member to raise and lower the same relative to the forming wire.

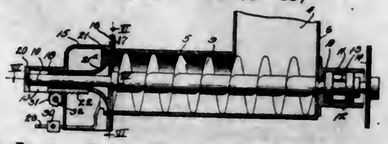
32. The method of making paper on a traveling forming wire which comprises confining a body of paper stock under hydraulic pressure over a zone on the upper surface of a traveling forming wire behind a slice, evacuating a chamber beneath the wire under said zone, forcing liquid from the stock in said zone through the wire by the combined action of the hydraulic pressure above the wire and the suction in the chamber beneath the wire to form a web on the wire within said zone behind the slice, predetermining the length of said zone to effect from 50 to 90 per cent of the web formation therein, and flowing stock under the slice from said zone on top of the web formed therein to complete the web formation.

2,202,891

APPARATUS FOR PREPARING GRANULAR COFFEE

Eugene G. Berry, Albert J. Hazle, Jr., and William M. Williams, Chicago, Ill., assignors to B. F. Gump Co., Chicago, Ill., a corporation of Illinois

Application December 30, 1937, Serial No. 182,412
3 Claims. (Cl. 83—18)



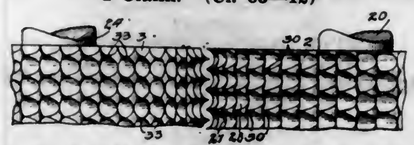
1. In a coffee mill in which the coffee beans are ground and the chaff thereof is liberated, means for treating the ground coffee and its commingled chaff for reducing and concealing the chaff, comprising an elongated cylinder, a spiral conveyor having a shaft extending lengthwise in said cylinder adapted for advancing the coffee and its commingled chaff to the forward end of said cylinder, a non-rotatable disk slidably mounted upon said shaft and closing the forward end of said cylinder, a rib upon the inner face of said disk spaced from the associated end of the conveyor for preventing rotary movement of the material adjacent thereto, but enabling passage of coffee granules between it and the conveyor without crushing the same, said disk having a discharge outlet, a yieldably supported gate for closing said outlet, and manually operable means for withdrawing said disk for cleaning out any remaining coffee mass.

2,202,892

CEREAL GRINDING MILL

Eugene G. Berry and William M. Williams, Chicago, Ill., assignors to B. F. Gump Co., Chicago, Ill., a corporation of Illinois

Application January 21, 1938, Serial No. 186,047
1 Claim. (Cl. 83—12)



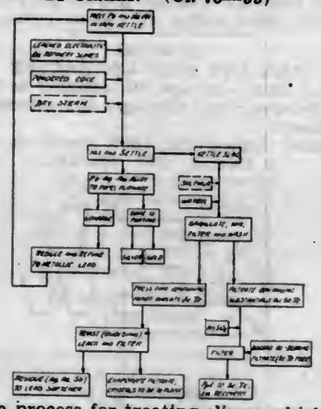
A pair of cooperating rolls for reducing material, each of said rolls having circumferentially extending U-shaped substantially symmetrical grooves with their adjacent walls cooperating to form sharp edged portions between the grooves, the rolls being disposed with the sharp edged portions on one roll extending into and substantially central of the grooves of the other roll, circumferentially spaced round bottomed grooves extending longitudinally of each roll, each of said latter grooves having a curved wall and an inclined substantially flat surfaced wall, the flat walls in one of said rolls being inclined in its direction of rotation and in the other roll in a reversed direction, said circumferentially and longitudinally extending grooves cooperating to form pyramidal teeth inclined in opposite directions and having pointed apices.

2,202,893

PROCESS FOR TREATING SLIMES

Jesse O. Betterton and Yurii E. Lebedeff, Metuchen, and Donald P. Wilkes, Perth Amboy, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application April 29, 1939, Serial No. 270,748
14 Claims. (Cl. 75—99)



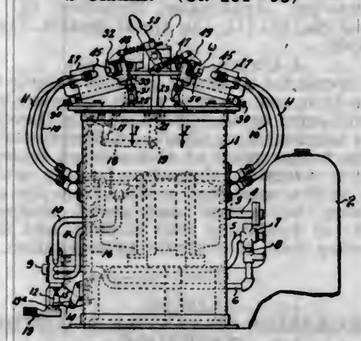
1. The process for treating slimes which comprises removing copper therefrom, fusing the decopperized slimes with a slag comprising caustic soda in the presence of a reducing agent and over a bath comprising lead to form a two-layer charge consisting of a liquid slag layer and a liquid metal layer, and separately treating said layers for the recovery of their respective values.

2,202,894

PIERCING MACHINE OR THE LIKE

Walter G. Bihler, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Original application July 28, 1936, Serial No. 92,986, now Patent No. 2,177,131, dated October 24, 1939. Divided and this application March 23, 1938, Serial No. 197,701
2 Claims. (Cl. 164—95)



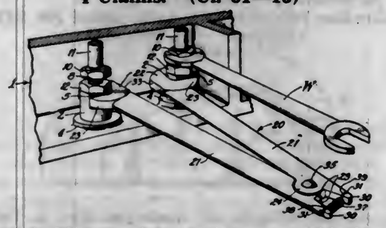
2. A device for performing punching operations or the like on a piece of work, a base, a punch member, a die member, a cylinder slidable on the base and carrying one of said members, a piston in the cylinder, means connected to the piston and slidable relative to the base and relative to the cylinder and carrying the other of said members, means for holding a work piece between the punch member and die member, means for introducing fluid under pressure into the cylinder on one side of the piston to shift the cylinder and piston and thereby bring the punch and die members against the work on opposite sides thereof whereby pressure against the work by one member is substantially equally off-set by the pressure on the opposite side thereof by the other member, and means for introducing fluid under pressure into the cylinder on the opposite side of the piston to shift the cylinder and piston and thereby move the punch and die members away from the work.

2,202,895

TOOL

Thomas E. Brinton, Waukegan, Ill.

Application December 10, 1937, Serial No. 179,046
4 Claims. (Cl. 81—13)



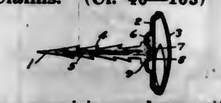
1. A holding tool comprising two side by side relatively movable levers pivotally connected together at one end and having oppositely facing spanner heads at their opposite ends, and means for limiting the angular movement of the levers from a position substantially parallel to one another to a position substantially less than 90° to one another.

2,202,896

DOLL EYE MOUNTING

Morris Buchner and Max Kapp, Bronx, N. Y.

Application September 15, 1939, Serial No. 294,994
3 Claims. (Cl. 46—165)



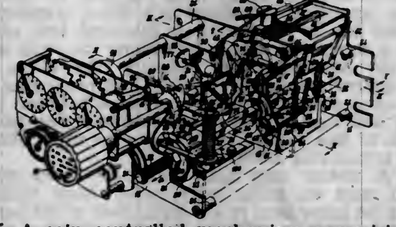
3. A doll eye comprising a base with a cover with a movable eye-ball therebetween, a prong extending from the rear of the base providing the mounting means therefor, said device characterized in that the head of the prong is bifurcated with a shoulder against which the base is secured by the said bifurcated parts with the bifurcated parts bent in opposite directions, and further characterized in that the edges of the prong are formed with barbs preventing removal of the eye from an object in which it may be inserted.

2,202,897

COIN-OPERATED DEVICE

Frederick Roy Butherus, Enfield, England

Application September 26, 1935, Serial No. 42,231
In Great Britain October 6, 1934
6 Claims. (Cl. 194—3)



5. A coin controlled mechanism comprising a coin receiving chamber having a fixed wall and a movable wall supported in a yielding manner to accommodate coins of different thickness, a coin entry passage through which bent and deformed coins can be forced into said chamber, means for calipering a coin positioned in said coin receiving chamber, means for operating the mechanism in accordance with the diameter of the inserted coin as determined by said calipering means, and means controlled by said operating means for moving said movable wall away from said fixed wall to an extent greater than the thickness of any coin insertable through said coin entry passage to enable coins to be released into the coin collecting chamber.

2,202,898

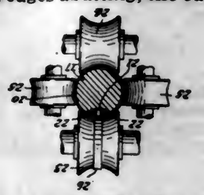
PIPE WELDING

James V. Caputo, Crafton, Pa.

Application December 31, 1934, Serial No. 759,809
Renewed July 8, 1939
15 Claims. (Cl. 29—156)

1. In the manufacture of pipe blanks for butt welding, the steps including providing a blank having a longitudinal seam cleft, maintaining the blank in such condition that the axis of the transverse section thereof which passes between the blank edges, differs slightly in length from the axis at right angles thereto, while shearing said

edges, whereby when the blank is held in circular shape with edges abutting, the edges have sub-



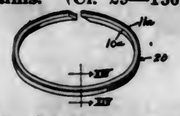
stantially line contact only, the planes of the edges forming a dihedral angle.

2,202,899

PISTON RING AND METHOD OF MAKING SAME

Archie T. Colwell, Cleveland, Ohio, assignor to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio

Application March 18, 1938, Serial No. 196,631
6 Claims. (Cl. 29—156.6)



4. The process of making piston rings which comprises welding a surface layer of metal alloy bearing material onto a broad face of a steel sheet, cutting the resulting laminated sheet into strips of greater width than required for piston rings, upsetting the strips in a plane transverse to the line of weld to flow the steel and alloy into a concavo-convex curve along the weld line thereby simultaneously reducing the strips to the approximate desired width and producing in the upset strips a greater weld area between the alloy and steel than that obtainable in non-upset strips of like width and bending the upset strips into piston ring form.

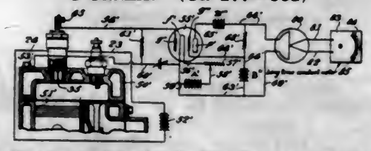
6. A piston ring comprising an inner steel band, and an outer metal alloy band welded along its inner face to the outer face of the inner band to form a cylinder-engaging bearing surface, said welded together bands being thickened by an upsetting operation transverse to the weld line therebetween that effects a flowing of the steel and alloy into a concavo-convex curve along the weld line.

2,202,900

INDICATING APPARATUS

Charles S. Draper, Palo Alto, Calif., assignor to Research Corporation, New York, N. Y., a corporation of New York

Application January 2, 1934, Serial No. 704,868
Renewed June 8, 1937
4 Claims. (Cl. 177—351)



3. In apparatus for indicating engine detonation by measuring the rate of change of pressure obtaining within an engine cylinder, in combination, a hollow casing arranged to project inwardly through the cylinder head and having an inner thick and substantially rigid diaphragm disposed substantially flush with the inner cylinder wall so as to be directly exposed to the cylinder gases, the rigidity of said diaphragm enabling the same to alone withstand the entire cylinder pressure, and an electromagnetic generator contained within said casing, said generator having a stationary part carried by said casing and having a movable part rigidly supported upon and movable with said diaphragm, the output of said generator corresponding to the rate of change of pressure within said cylinder.

2,202,901

TREATMENT OF CARBONACEOUS MATERIALS

Henry Dreyfus, London, England

No Drawing. Application December 24, 1937, Serial No. 181,714. In Great Britain January 6, 1937
4 Claims. (Cl. 196—32)

2. Process for obtaining valuable organic compounds from coal extracts which comprises washing said extracts, to remove sulphur therefrom, with a solution of an alkali at a temperature below the boiling point of said solution under the pressure obtaining, thereafter heating said extracts with a substance selected from the group consisting of metals and metal compounds capable of combining with sulphur, and finally subjecting them to catalytic hydrogenation.

2,202,902

COLORATION OF TEXTILE AND OTHER MATERIALS

George Holland Ellis and Henry Charles Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 2, 1937, Serial No. 166,970. In Great Britain October 12, 1936
22 Claims. (Cl. 260—457)

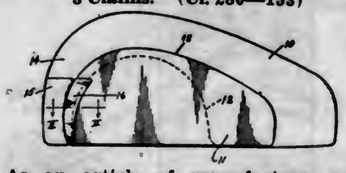
1. Dyestuffs in which the sole chromophore groups are nitro groups and which are aryl compounds which contain at least one nuclear nitro group, at least one nuclear amino group and a sulphato group attached to a lower alkyl group which is linked to the aromatic residue by a linkage selected from the group consisting of direct linkage, linkage through an oxygen atom, linkage through a sulphur atom and linkage through an —NR— group, where R is a substituent selected from the group consisting of hydrogen and an alkyl group.

2,202,903

FENDER SHIELD

Arthur P. Fergueson, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application December 24, 1938, Serial No. 247,581
3 Claims. (Cl. 280—153)



1. As an article of manufacture, a fender shield having a curved edge and including a yieldable cushioning strip adjacent said curved edge and secured to a rear portion of said shield, a scuff pad formed integral with said strip and extending around a portion of said curved edge.

2,202,904

FENDER SHIELD AND MOUNTING

Arthur P. Fergueson, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application December 30, 1938, Serial No. 248,389
9 Claims. (Cl. 280—153)



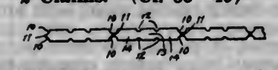
1. The combination comprising a vehicle body part having a downwardly depending side wall portion provided with a wheel opening therein, and a shield mounted on said side wall portion over said opening, said shield being shaped so that in an unflexed position the shield contacts the vehicle body part at its top and two lower corners and is bowed outwardly therefrom between said contacting points opposite said vehicle body part, and means for holding said shield in a flexed position and having its entire edge between said top and said two lower corners of said shield in tight engagement with said vehicle body part.

2,202,905

STAPLE BLANK

Charles B. Goodstein, Brooklyn, N. Y.

Application March 18, 1937, Serial No. 131,642
2 Claims. (Cl. 85—49)



1. As an article of manufacture, a staple blank formed from a flat, thin strip of metal having parallel sides and an end adapted for insertion in the work, and having intermediate the ends opposed notches to form a bending line across the blank to define a bridge portion and a leg portion, said notches each having its side nearest the bridge portion inclined toward that portion so that when the leg is bent for insertion, the open notch will be formed in line with the inner face of the leg portion to accommodate a guide element in a stapling mechanism.

2,202,906

TELEPHONE RECEIVER

Melville S. Hawley, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 11, 1938, Serial No. 184,390
4 Claims. (Cl. 179—107)



1. In a vibration translating device of the inertia type, a vibratory casing, a magnet system in the casing including pole-pieces and coils thereon for carrying signal currents, an armature in operative relation to the pole-pieces, and separate resilient elements forming the sole support for and connecting the magnet system and armature independently to the casing, the masses of magnet system, armature and casing and the stiffness elements being so proportioned that the response characteristic of the device approximates that of a band-pass filter.

2,202,907

DAUBER

Mary C. Holter, Baltimore, Md.

Application July 11, 1938, Serial No. 218,551
2 Claims. (Cl. 15—210)



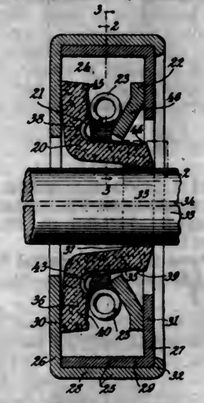
1. In a dauber, a plate being flanged in opposite directions forming at one end a handle and at the other end a guiding and supporting element for a daubing element, said guiding and supporting element having a curved portion at its peripheral edge for guiding purposes, in combination with a daubing element secured to said plate and engaging the portion between said two flanges.

2,202,908

MACHINERY PACKING

Cecil R. Hubbard, Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York

Application October 22, 1938, Serial No. 236,382
19 Claims. (Cl. 288—3)



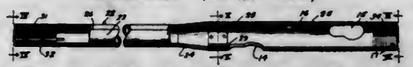
1. An improved means for sealing an orifice between parts of a pair of relatively movable machine elements, comprising a channeled portion of one and an opposed surface portion of the other; the said sealing means comprising a floating assembly of elements including a flexible sealing element of angular form in cross section having one of its flanges adapted to lie along the surface portion of one of the machine elements which faces the channel and its other flange adapted to be held in sliding contact with one of the two inner, oppositely disposed surfaces of the channel; resilient means held in a state of flection in yielding engagement with the otherwise exposed marginal portions of said flanges to maintain them in effective sealing relation with the parts with which they make contact; a rigid shoe adapted to be held in sliding contact with the other of the said oppositely disposed surfaces of the channel, the shoe and the sealing element, including the resilient means associated therewith, being of forms and dimensions such as to provide an intervening crevice having opposed walls each so inclined towards the other as to gradually diminish its breadth at increasing distances from the closed base wall of the channel; and resilient spacing means in the crevice adapt-

ed to yieldably maintain the sealing element and the shoe in snug sliding contact with the said oppositely disposed inner surfaces of the channel.

2,202,909
DRAG LINK BODY AND METHOD OF MAKING SAME

George H. Hufferd and Matthew P. Graham, Detroit, Mich., assignors to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application September 27, 1937, Serial No. 165,839
11 Claims. (Cl. 29—152)

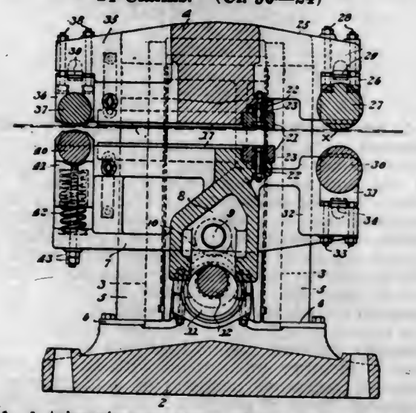


1. The method of making a link body which comprises punching an elongated opening through the wide portion of an elongated strip of metal having an end portion of greater width than the rest of the strip, placing a flat metal band transversely across a face of the wide portion of the strip between the punched opening therein and the narrower portion of the strip, rolling the thus formed blank into a tubular form with the band of metal on the inside of the tube, placing the longitudinal edges of the blank in contiguous relation and uniting said edges together thereby providing a body member having an enlarged tubular socket end and a rod portion of smaller diameter extending therefrom, said metal band forming a sleeve in the socket portion of the body member to provide an abutment for a bearing member housed in the socket portion.

2,202,910
TRIMMING MACHINE

Lorenz Iversen, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 23, 1938, Serial No. 215,387
14 Claims. (Cl. 90—24)

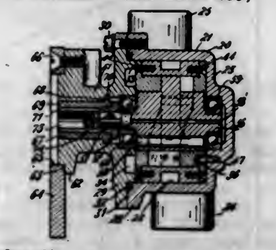


1. A trimming machine of the class described comprising a vertically movable upper knife carrier and a vertically movable lower knife carrier movable into and out of position for raising and lowering the upper knife carrier, means for operating the lower knife carrier, a trimming knife on each of said carriers, and work-engaging means on both carriers for maintaining a minimum spacing between the knives thereof at least as great as the thickness of the material to be acted upon by the knives.

2,202,911
PUMP

James P. Johnson, Shaker Heights, Ohio, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio, a corporation of Ohio

Application January 6, 1938, Serial No. 183,639
2 Claims. (Cl. 103—139)



1. A hydraulic pump or motor comprising a housing having an axial bore extending inwardly from one end thereof and inlet and outlet openings for the admission and discharge of fluid, a cover member extending across the open end of said housing and detachably connected to the latter, and a stator and rotor assembly insertable and removable as a unit into and from said bore and comprising a sleeve having non-communicating passageways formed on the outer peripheral surface, members positioned on the opposite ends of said sleeve and having annular portions projecting inwardly of the latter, the inner adjacent ends being spaced apart and provided with complementary cam faces, a rotor having a circumferential extension the outer peripheral surface of which has running engagement with the inner peripheral surface of said sleeve between the inner spaced ends of said annular portions, the opposite sides of said circumferential extension being in running engagement with portions of said cam faces, said circumferential extension having a plurality of radially disposed slots, blades slidably mounted in said slots and having their opposite ends projecting beyond the sides of said circumferential extension for engagement with the adjacent cam faces whereby, upon rotation of said rotor, said blades are moved laterally successively on one side of said circumferential extension and in the reverse direction diametrically opposite, said rotor being further provided with axially extending hub portions rotatably disposed in the annular portions of said members and axially extending projections rotatably mounted in said housing and cover member respectively, and means detachably connecting said members to the adjacent portions of said sleeve for maintaining said rotor assembly in unitary relation.

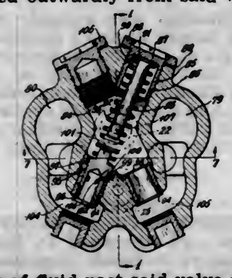
2,202,912
GEAR PUMP AND RELIEF VALVE

James P. Johnson, Shaker Heights, Ohio, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio, a corporation of Ohio

Application March 17, 1938, Serial No. 196,409
1 Claim. (Cl. 103—42)

In a gear pump, a housing, a pair of external meshing pump gears rotatably mounted in said housing and adapted for operation in either direction, said housing being provided with passageways communicating respectively with the opposite sides of said meshing gears for the admission and discharge of fluid, a cover member detachably connected to said housing and having fluid inlet and outlet openings adapted

for connection respectively with the fluid supply and a fluid pressure actuated instrumentality and connecting passageways communicating respectively with the aforesaid passageways in said housing, said cover member being further provided with a pair of substantially similar intersecting relief passageways normally establishing communication between said connecting passageways, tubular members coaxially secured within said relief passageways and having valve seats disposed relatively toward the suction side depending upon the direction of rotation of said pump gears, a valve member having a valve head engageable with one of said valve seats when said pump gears rotate in one direction for controlling the flow of fluid thereby and a depending tubular extension slidably mounted in the adjacent tubular member, said tubular extension having one or more transversely extending openings disposed outwardly from said valve head to



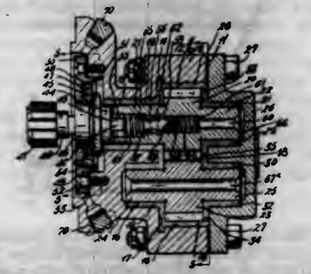
permit flow of fluid past said valve seat, the free end of said tubular extension being disposed to the pressure side, a coiled spring disposed longitudinally within one of said relief passageways and having one end in engagement with said valve head for normally maintaining the latter in engagement with said valve seat, and a pin adjustably and interchangeably mounted in the outer ends of said relief passageways, said pin being engageable with the outer end of said spring whereby the tension of the latter may be varied as desired to effect discharge of the fluid at substantially a constant pressure regardless of variations in the speed of said pump gears, said valve member and spring being removable and insertable into one or the other of said relief passageways depending upon the desired direction of rotation of said pump gears without the necessity for disassembly of the pumping elements.

2,202,913
GEAR PUMP

James P. Johnson, Shaker Heights, Ohio, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio, a corporation of Ohio

Application March 18, 1938, Serial No. 196,692
2 Claims. (Cl. 103—126)

2. In a gear pump, a housing of light weight material having an insert of bearing material of a lesser coefficient of expansion integrally embedded therein, said insert having a pair of circular openings extending inwardly from one end of said housing and communicating respectively with bores in said insert of relatively smaller diameters, a transversely disposed wall connecting said circular openings and said bores, the circular openings being disposed relatively in intersecting relation at their adjacent portions to provide communication therebetween, a pair of external pump gears rotatably disposed in said pair of circular openings and in abutting engagement with said transverse wall, said pump gears being in meshing engagement at the intersecting portions of said circular openings, said pump gears each having extensions of reduced diameter projecting axially outwardly on opposite sides thereof, the extensions on one side being rotatably disposed in said bores of relatively smaller diameters while the extensions on the opposite side project beyond the end of said housing, a cover member of light weight material detachably connected to the outer end of said housing and having a pair of bores extending outwardly from its inner face, inserts of bearing material of a lesser coefficient of expansion secured



in the respective cover bores and having circular openings in which the outwardly projecting extensions are rotatably disposed, the inserts being provided with laterally extending circumferential flanges closely fitting within the adjacent ends of the circular openings in abutment with the adjacent faces of said gears, fluid openings and passageways in said housing communicating with the opposite sides of said pumping gears for the admission and discharge of fluid, the gear extension rotatably disposed in one of said bores of relatively smaller diameter in said housing insert being adapted for driving connection with a power source.

2,202,914
METHOD AND APPARATUS FOR REMOVING BURRS

Carl G. Jones and Horatio G. Titus, Youngstown, Ohio, assignors to The Youngstown Sheet and Tube Company, a corporation of Ohio

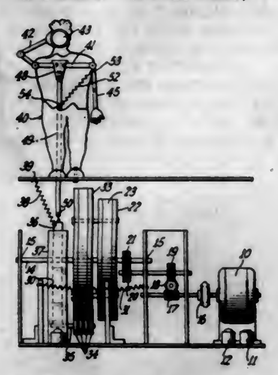
Application June 28, 1938, Serial No. 216,384
13 Claims. (Cl. 90—24)



1. Apparatus for removing burrs from the seams of welded tubes comprising in combination a mandrel over which the tubes are adapted to pass, burr-removing means on said mandrel, and means at points spaced along said mandrel movable into and out of engagement therewith and effective to withstand the thrust exerted on the mandrel by the movement of a tube thereover.

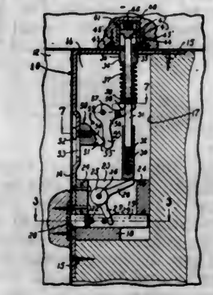
12. In a method of removing the burr from the seam of a welded tube, the steps including so positioning the tube that the burr is disposed in a predetermined location, passing the tube over a mandrel, initially restraining the mandrel by engaging it at a point intermediate the ends thereof, and while so restraining it, starting a tube onto the entering end, removing a previously started tube from the exit end and simultaneously removing the burr therefrom, and finally restraining the mandrel adjacent its entering end while moving a tube thereon from a position adjacent the entering end toward the exit end.

2,202,915
ADVERTISING DEVICE
Frank Maltese, Brooklyn, N. Y.
Application May 11, 1939, Serial No. 272,945
2 Claims. (Cl. 46—118)



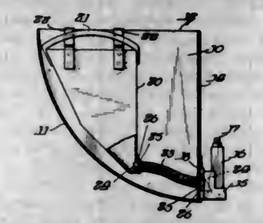
1. A figurine resembling a living figure having a horizontal shaft pivoted therein at the shoulder, for oscillatory rotary movement, an arm rigidly attached to said shaft,—a simulated sound instrument carried by said shaft, constructed and arranged to move from the lips of the figure to the side thereof as said shaft is oscillated; a motor driven shaft mounted below said figure having a cam and circuit breaker thereon, connection between said cam and horizontal shaft for oscillating said horizontal shaft,—a phonograph, means for operating said phonograph controlled by said circuit breaker in timed relation to said oscillation of said horizontal shaft.

2,202,916
CATCH
Marcel V. Mussa, Pasadena, Calif.
Application August 3, 1938, Serial No. 222,819
Renewed April 1, 1940
6 Claims. (Cl. 292—177)



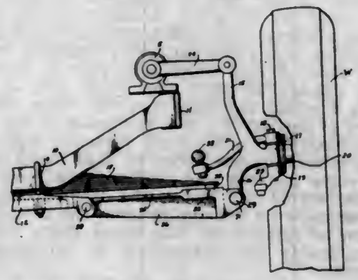
3. A door catch adapted to be secured upon one of a pair of doors and including a plate, an operating member slidable upon the plate, said operating member including a projecting end portion adapted to be urged inwardly, a plunger slidable upon said plate in a direction at right angles to the direction of movement of the operating member, means tending to urge the plunger to retracted position, a bell crank pivoted on said plate, means on the operating member and engaging one end of the bell crank to shift the latter, and a resilient connection between the other end of the bell crank and the plunger.

2,202,917
DEPOSITING MACHINE
Robert J. Oswalt, Danville, Ill., assignor to Fred W. Amend Co., Danville, Ill., a corporation of Illinois
Application January 18, 1940, Serial No. 314,377
5 Claims. (Cl. 107—1)



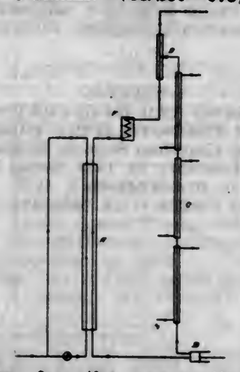
1. In combination with a candy making machine, a main hopper having a plurality of spaced discharge ports at the bottom thereof, an auxiliary hopper having a plurality of spaced discharge ports fitted into and removable from the main hopper, and a plurality of connections leading from the ports in the auxiliary hopper to selected discharge ports in the main hopper.

2,202,918
INDEPENDENT WHEEL SUSPENSION
Ralph F. Peo and Sherwood C. Bliss, Buffalo, N. Y., assignors to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application January 20, 1939, Serial No. 251,902
1 Claim. (Cl. 267—19)



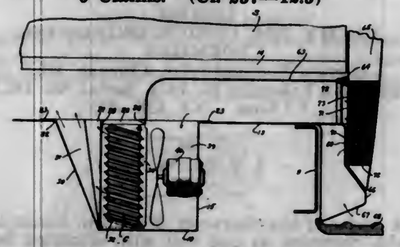
In independent wheel suspension for vehicles, the combination with a vehicle chassis, a cantilever spring anchored to the chassis and extending laterally therefrom, a suspension linkage comprising an outer link providing a bearing support for a vehicle wheel, an upper link connecting between the outer link and the chassis, a lower link extending between the lower end of the outer link and said chassis and being below and close to the spring and substantially parallel therewith, said spring terminating short of said outer link, a rubber bearing pad seated in a recess in the lower link forming the sole support for the free outer end of said spring, the center line of the connection of said lower link with the chassis being substantially below the flexure center of the spring whereby upon vertical movement of the linkage and the suspended wheel there will be substantially no movement of the spring end relative to said pad, the top of said lower link being of a width throughout its length to afford a bearing and support for the spring to prevent collapse of said suspension linkage in case of breakage of the spring.

2,202,919
PROCESS OF POLYMERIZING ACETYLENE
Albert Perlick, Pullach, near Munich, and Alfons Steinmetz, Frankfort - on - the - Main - Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
Application August 4, 1939, Serial No. 288,332
In Germany March 11, 1938
5 Claims. (Cl. 260—678)



1. Process for the preparation of non-benzenoid polymers of acetylene which comprises dissolving acetylene in a supporting liquid at moderate temperature and pressure, polymerizing the acetylene in the presence of an acetylene polymerization catalyst by increasing the temperature to reaction temperature while maintaining the pressure greater than the saturation pressure at the increased temperature.

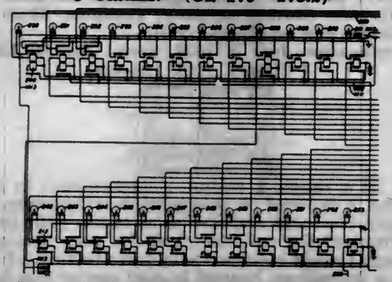
2,202,920
AUTOMOBILE HEATING STRUCTURE
Elbert L. Potter, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application December 2, 1938, Serial No. 243,515
6 Claims. (Cl. 237—12.3)



4. In an automotive vehicle, a heater structure therefor comprising a box-like casing suspended by the vehicle floor below the front seat thereof and having inlet and outlet spaces communicating with the vehicle body above the floor level, a heater core extending vertically in said casing between said inlet and outlet spaces, said core having flues adapted for connection for circulation therethrough of heat producing medium, a blower within said inlet space for blowing air around said flues into said outlet space for delivery into the car body, the door of the vehicle adjacent to the front seat having a passageway therethrough and the door sill having a passageway therethrough to the exterior of the vehicle and communicating with the door passageway, means forming a passageway from the door passageway to said inlet space, said passageways being effective when the door is closed to supply air from the exterior of the vehicle to said inlet space to the blower therein, and means within the door for filtering the air before delivery to said blower space.

6. In an automotive vehicle, a heater assembly therefor comprising a box-like casing entirely open at its upper end and having laterally extending supporting flanges at its upper edge, said casing being insertable through a single opening in the floor of the vehicle for engagement of the casing flanges with the floor for suspension of the casing below the floor, a heater core within said casing extending transversely thereof to divide the casing into an air inlet space and an air outlet space communicating through the upper end of the casing with the interior of the vehicle, and a blower in the air inlet space for blowing heated air from the heater core through the air outlet space and into the vehicle body, said casing having guideways thereon on which said heater core may be readily slid into the casing or withdrawn therefrom through the casing open end.

2,202,921
TROUBLE RECORDER
Albert C. Powell, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 5, 1938, Serial No. 239,052
5 Claims. (Cl. 179—175.2)

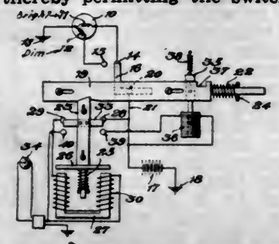


1. In a telephone system, control, equipment, a trouble indicator, means in said control equipment responsive to failure to operate successfully to connect said control equipment with said trouble indicator and establish a record therein of the operation of said control equipment, and means in said trouble indicator for testing said control equipment comprising means for transmitting a simulated call record to said control equipment and means for modifying the control of said connecting means to render it also responsive to the successful completion of the operation of said control equipment.

2,202,922
ELECTRICALLY OPERABLE CONTROL MECHANISM
John Everett Quinlivan, Sioux Falls, S. Dak., assignor of one-fourth to Gerrit De Young, Sioux Falls, S. Dak.
Application December 3, 1938, Serial No. 243,879
1 Claim. (Cl. 171—97)

An electric control system for dimming headlights, comprising, headlamps having bright and dim terminals, a source of current, a photo-electric cell, a two position switch for connecting the source to the dim terminals when in a first position and to the bright terminals when in second position, yieldable means for biasing the switch to the first position, manually operable means for

moving the switch to the second position, a latch for holding the switch in the second position, electrically operated locking means for maintaining the switch in the first position when energized, means operated by the photo-electric cell by the presence of light thereon for retracting said latch thereby permitting the switch to be



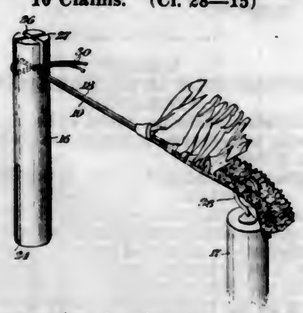
operated to the first position by said yieldable means from the second position, and means operative while the switch is in the first position for switching the control by said photo-electric cell to said locking means to effect the locking of the switch in the first position as long as said photo-electric cell is influenced by light thereon.

2,202,923
BLUE FLAME BURNER
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application July 2, 1938, Serial No. 217,159
4 Claims. (Cl. 126—44)



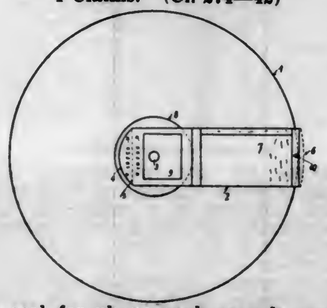
3. In a range, a casing, a burner bowl in said casing, a cylinder on said bowl, a valve connected to said bowl and disposed so as to leave the space in front of the cylinder clear for easy access of a hand to said cylinder, said valve having a handle, a front door hinged to said casing and having an opening adapted to receive said handle when said door is closed, whereby said handle may be operated when said door is closed, and means urging said door to its closed position.

2,202,924
LOOM APPARATUS
Maurice S. Rosen, New York, N. Y., assignor to Anne Walters, New York, N. Y.
Application October 16, 1939, Serial No. 299,591
10 Claims. (Cl. 28—15)



1. An apparatus for forming a braid of rug material, comprising two spaced uprights with slotted lower portions, supporting walls extending into and in frictional engagement with said slotted portions for vertically supporting said uprights, two bales of twine, retaining means for said bales adjacent said uprights and cooperatively associated with said walls, and strand holding means on said uprights, two selected portions of twine from said bales extending in parallel adjacent relation between and being operatively held by the said strand holding means whereby said portions of twine form two adjacent braiding strands substantially parallel throughout their length.

2,202,925
CONTROLLING AND ILLUSTRATING BAND FOR PHONOGRAPHIC DISKS
Giovanni Giannino Schoch, Milan, Italy
Application February 24, 1938, Serial No. 192,292
In Brazil March 1, 1937
4 Claims. (Cl. 274—42)



1. A seal for phonograph records comprising an elongated foldable strip having free ends, each free end for engaging, respectively, a face of said record, said strip having adjacent its ends apertures for rendering visible the labels of said record when applied thereto, and securing means provided at said free ends for fixing the latter, respectively, to a portion of the labels of said record.

2,202,926
DEVICE FOR CURING INGROWING TOENAILS
Ernest Schmidthofer, Chicago, Ill.
Application February 25, 1938, Serial No. 192,549
1 Claim. (Cl. 128—81)

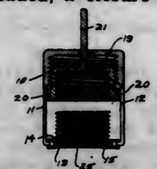


A device of the character described, comprising a clip provided at one end with a curled hook adapted to engage the edge of a nail, and means for securing said clip to the toe of the user, said means comprising an adhesive strip secured to the opposite end of said clip, and adapted to be wound transversely about the toe, and an adhesive strip secured to said clip and adapted to be secured longitudinally about the toe.

2,202,927
COLLAPSIBLE TUBE CAP HOLDER
George W. Schumaker, Indianapolis, Ind.
Application July 29, 1939, Serial No. 287,189
10 Claims. (Cl. 221—60)

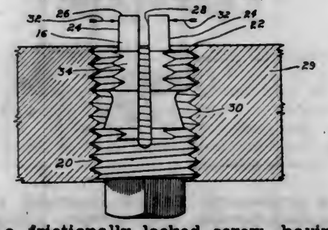
1. For a collapsible tube having an outlet nipple, a ferrule for entering over and engaging the nipple, a housing, legs carrying the housing

and hingedly connected with the ferrule to space the housing beyond the outer end of the ferrule, said housing being open at its inner end and being screw-threaded, a closure member screw-



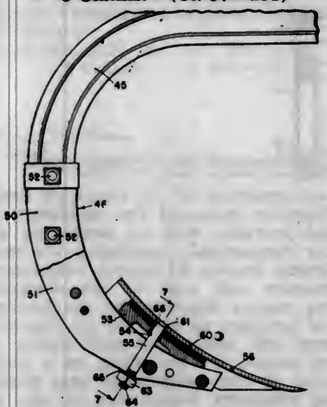
threadedly engageable with said ferrule to close off the entrance to the ferrule, and screw-threads carried by said member engaging with the threads of said housing for carrying the member into the housing.

2,202,928
SELF-LOCKING ADJUSTING SCREW
Clarence W. Shaw, Grosse Pointe, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 2, 1938, Serial No. 217,115
2 Claims. (Cl. 151—22)



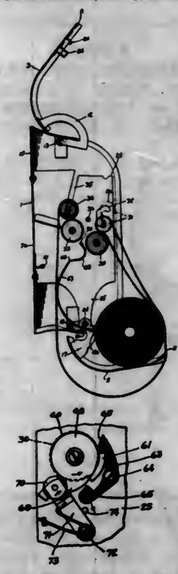
2. In a frictionally locked screw, having inwardly yielding portions adapted to be compressed radially inward to relieve the friction, tool receiving members on the compressible portions of the screw, said tool receiving members having means for compressing said yielding portions incidental to the application of a torque applying tool thereto.

2,202,929
TILLING IMPLEMENT
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 16, 1938, Serial No. 230,242
3 Claims. (Cl. 97—184)



1. A ground working tool comprising a supporting standard, a shovel, a rubber pad disposed between said shovel and said standard, and means for connecting said shovel to said standard comprising a connecting bolt passed through aligned openings in said shovel and said rubber pad, and a nut on said bolt adapted to bear against said standard for securing said bolt to said standard.

2,202,930
TOWEL CABINET AND DISPENSING MECHANISM THEREFOR
Frank G. Steiner, Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application February 24, 1936, Serial No. 65,273
12 Claims. (Cl. 312—38)



8. In a commodity dispensing apparatus, a member forcibly moved during dispensing and having a first stop shoulder, a pivoted rockable element having a shoulder at one side of its pivot adapted to be moved into the path of the first shoulder and to be engaged thereby, when the pivoted element is rocked, and means movable with the member for engaging the rockable element at the opposite side of its pivot and moving said element to cause said shoulders to be engaged, the said rockable element being thereafter held in shoulder-engaged position while application of force to said member is continued, and means for automatically moving said rockable element to disengage the shoulders when the application of force to said member ceases.

10. A towel dispensing cabinet having a soiled towel takeup means, a member having a soiled towel smoothing portion and a clean towel supporting portion, means mounting said member for motion independently of said takeup means and so that only the gravity action of the clean toweling on said supporting portion holds said smoothing portion in smoothing position.

2,202,931
DISK PLOW
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 23, 1939, Serial No. 280,710
22 Claims. (Cl. 97—72)

1. A plow comprising means serving as a frame,

front wheel means therefor, furrow opening means carried by said frame, a furrow wheel at the rear end of the frame, and a ground wheel connected in spaced relation with the frame so



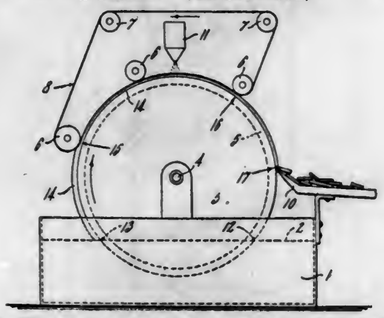
as to run over the soil turned by said furrow opening means and having a thin rim so as to penetrate the freshly turned soil down to the harder unturned soil underneath.

2,202,932

FILTERING APPARATUS

Harold C. Tingey, Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application April 9, 1938, Serial No. 201,072
2 Claims. (Cl. 210—201)



1. Filtering apparatus comprising a travelling filter medium for supporting filterable material to be washed and compacted, washing means disposed in the path of travel of the filter medium and adapted to supply washing fluid to filterable material on said filter medium, means for washing and compacting filterable material on said filter medium comprising a porous laminated sheet having a ply of porous fibrous material and a ply of porous non-fibrous material and having successive portions of its surface interposed between said washing means and said filter medium, the ply of fibrous material being nearer said washing means, and said non-fibrous ply being adjacent said filter medium and adapted to contact filterable material on said filter medium, and pressure means associated with said laminated sheet to cause the same to compress filterable material between said non-fibrous ply and said filter medium.

2,202,933

SULPHANILAMIDO-AMINOPYRIDINES AND PROCESS FOR PRODUCING THE SAME

Edmond T. Tisza, Bernard F. Duesel, and Harris L. Friedman, Yonkers, N. Y., assignors to Nepera Chemical Co., Inc., Nepera Park, N. Y., a corporation of New York

No Drawing. Application August 30, 1939, Serial No. 292,630
4 Claims. (Cl. 260—296)

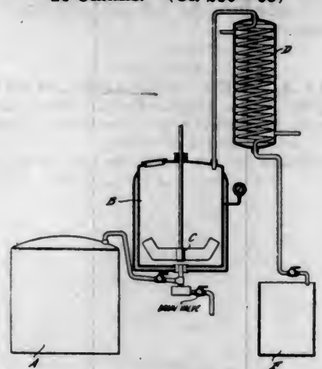
1. The method of producing 2-sulphanilamido, 5-aminopyridine comprising reacting p-acetamino-benzene-sulphonyl chloride with 2-amino, 5-acetamino-pyridine, hydrolyzing off the acetyl groups by heating the reaction product in an acid or alkaline solution, neutralizing the thus produced solution, removing the precipitate thus formed and purifying the thus formed precipitate.

2,202,934

PRODUCTION OF ALIPHATIC KETONE-DI-ARYLAMINE ANTIOXIDANTS

William F. Tuley, Naugatuck, Charles S. Dewey, Cheshire, and Roy S. Hanslick, Naugatuck, Conn., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application December 9, 1937, Serial No. 178,900
16 Claims. (Cl. 260—65)



1. A process of making improved aliphatic ketone-diarylamine antioxidants which comprises passing an aliphatic ketone in vapor form into a liquid mass of a diarylamine while heating the mix to a temperature between about 140° C. and about 170° C., and during the reaction between the aliphatic ketone and diarylamine, separating and recovering unreacted ketone and water of condensation which passes from the reaction zone as a vapor.

2,202,935

CARDIAC RECORDING APPARATUS

Harry Weiss, New York, N. Y.

Application June 18, 1938, Serial No. 214,466
5 Claims. (Cl. 128—2.05)



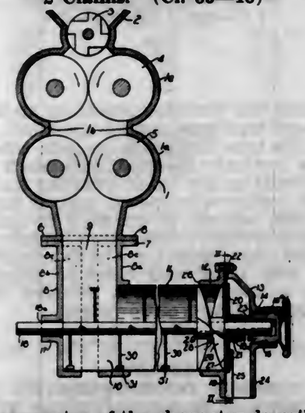
1. In an apparatus of the character described, an oscillometer mounted for oscillatory movement and provided with an oscillating mirror, means for mechanically oscillating the oscillometer, a pump having its output connected to a blood-pressure cuff and to the oscillometer-oscillating means whereby the application and release of pressure in the cuff by operation of the pump will cause the oscillometer to be oscillated, means for recording on a line such movements of the oscillometer and means for recording vibratory movements of the mirror on the same single recording line while the oscillometer is being moved under action of the pump.

2,202,936

APPARATUS FOR TREATING GRANULATED COFFEE

William M. Williams and Eugene G. Berry, Chicago, Ill., assignors to B. F. Gump Co., Chicago, Ill., a corporation of Illinois

Application March 20, 1937, Serial No. 132,014
2 Claims. (Cl. 83—18)



1. In apparatus of the character described having means for reducing coffee beans to a mass containing coffee particles and particles of liberated chaff, a cylindrical chamber for receiving the coffee mass, a yieldable disc closing one end of said chamber, a rotatable screw conveyor in said chamber for moving the mass against said disc, the end of said conveyor adjacent the disc being normally spaced therefrom sufficiently to prevent grinding of the coffee particles, and said disc being substantially flat to cooperate with the adjacent end of the conveyor and having a plurality of small depressions for restraining the adjacent coffee particles in the mass portion pressing against the disc from relative movement with the conveyor, whereby the coffee particles adjacent the disc and the coffee particles adjacent the end of the conveyor will have relative movements and cause an interparticle rubbing action for reducing the chaff particles.

2,202,937

THREAD GUIDE

Kinsey A. Wolfe, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

Application July 28, 1938, Serial No. 221,675
7 Claims. (Cl. 242—157)



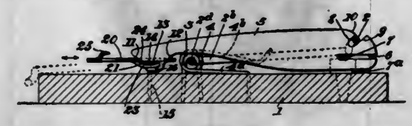
1. A thread guide for textile machines, comprising a stem and a thread guiding member attached thereto, said thread guiding member comprising a piece of flat metal folded upon itself to form two layers, each of said layers having a guide opening and an entrance opening leading to said guide opening, the guide openings substantially registering with each other and the entrance openings being at a substantial angle to each other.

2,202,938

ANIMAL TRAP

Joseph D. Zahm, Lititz, Pa., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania

Application December 3, 1938, Serial No. 243,699
14 Claims. (Cl. 43—83.5)



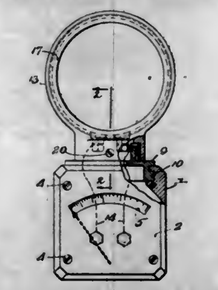
1. In a trap, the combination of a base, a pivoted spring actuated jaw, a pivoted bait pedal, and a longitudinally movable locking plate having a detent provided with a cam edge for engaging said jaw in set position, and tending to effect the movement of the locking plate in a direction to release said jaw, said locking plate having a locking device for engaging in set position a coacting part held against movement longitudinally of the base, to prevent said releasing movement of the locking plate, said pedal being provided with portions for engaging said locking plate to disconnect it from said part by the movement of the pedal.

2,202,939

PORTABLE LIGHT METER

Sidney Zipser, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles (Hollywood), Calif., a corporation of Maine

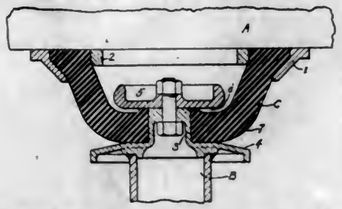
Application June 9, 1939, Serial No. 278,240
2 Claims. (Cl. 88—23)



1. A light measuring device comprising a meter casing having a front opening through which the meter may be read, a photo-cell casing having a front opening through which light may be admitted to the cell, means for rotatably mounting one casing on the other to revolve about an axis extending approximately medially through each casing so that said openings may face in the same or opposite directions, and means electrically interconnecting the cell with the meter in each angular relationship of the casings, whereby the operator may measure the light incident to and

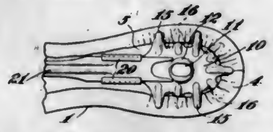
reflected from an object merely by turning the cell casing through 180° without changing either his position or that of the casing.

2,202,940
YIELDABLE MOUNT MEANS
Arthur P. Armington, Willoughby, Ohio; Katherine Stewart Armington, executrix of Arthur P. Armington, deceased, assignor to The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio
Application February 20, 1937, Serial No. 126,759
2 Claims. (Cl. 248—358)



1. Means providing yieldable support between a pair of members and comprising a resilient element of rubber or the like generally of arched section, having opposed side parts extending divergently from a small end part adjacent one member to the other member, means securing the extremities of said side parts to their adjacent members, the small end part of said element and its adjacent member having cooperative bearing faces, the bearing face of said adjacent member extending laterally about and beyond the area of bearing of the element thereagainst when lightly loaded, and the extending face portion having gradual departure from the general plane of said area.

2,202,941
METHOD OF AND MEANS FOR ATTACHING HEELS TO SHOES
Edward H. Bastable, Clifton, Mass., assignor to Shoe Chassis, Inc., Boston, Mass., a corporation of Massachusetts
Application August 6, 1937, Serial No. 157,714
7 Claims. (Cl. 12—142)



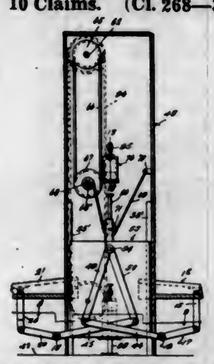
5. In the manufacture of shoes, the method which comprises applying an upper and an insole structure to a last, applying an assembled shank and heel seat plate to the shank and heel portions, respectively, of the insole structure, the heel seat plate having a body portion shaped to fit within the area defined by the inturned margins of the upper and means carried by said body portion and engageable with said inturned margins and having attaching prongs adapted to be embedded in the insole structure, applying pressure to the heel seat plate so as to embed said prongs in the insole structure, thereby permanently uniting the heel seat plate and end portion of the assembled shank with the insole structure, securing to the assemblage an outsole having its rear end trimmed to provide a heel seat, applying a heel to the heel seat, and permanently anchoring the heel to the heel seat plate and insole structure.

2,202,942
MATRIX SETTING AND TYPE-LINE-CASTING MACHINE
Otto Bieber, Berlin-Lichterfelde, Germany, assignor to Typograph G. m. b. H., Berlin, Germany
Application March 27, 1939, Serial No. 264,435
In Germany August 3, 1938
9 Claims. (Cl. 199—59)



1. A type line trimming device for matrix composing and type line casting machines adapted to trim the type line edges on both sides, comprising a vertically recessed knife block slidable longitudinally on the top of a casting mould, and a pair of horizontally spaced circular knives rotatably and adjustably mounted in said block and having bevelled cutting edges directed toward each other, said knives lying in the recessed portion of said block and operable from above, whereby a shearing cut is directed obliquely downwardly on the type line edges.

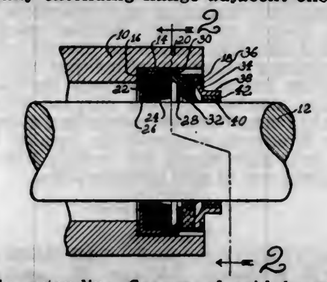
2,202,943
GARAGE DOOR OPERATOR
Odessa D. Boardman, Chester, Tex.
Application September 23, 1938, Serial No. 231,422
10 Claims. (Cl. 268—31)



1. A device of the character described comprising a door having vertically movable elements movable upwardly to open position and downwardly to closed position, guide and stop means at the side of the door for guiding the vertical movement of said elements and limiting their downward travel, first treadles and second treadles, weight means holding the door in closed position, operating connections between the first and second treadles for elevating said weight means, counterweight means operatively connected to the door and to said operating connections, said counterweight means being operative by gravity upon elevation of said weight means to operate said movable elements of the door to elevated open position.

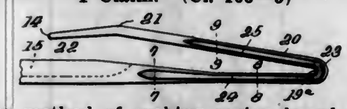
2,202,944
SEAL
Donald A. Boyd, Detroit, Mich.
Application June 2, 1938, Serial No. 211,320
2 Claims. (Cl. 288—3)

1. An oil seal comprising an annular housing having an axially extending portion and integral radially extending flanges at the opposite ends thereof, a packing member of composition material and a leather packing axially spaced in said housing for encompassing relation to a centrally located shaft, an angular metallic member having a radially extending flange adjacent one of said



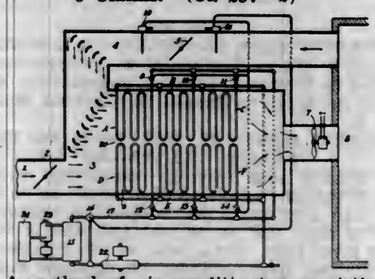
radially extending flanges of said housing and an axially extending flange projecting outwardly from said housing, and an annular metallic member secured to the inner periphery of said axially extending flange.

2,202,945
METHOD OF MAKING SPRING BEARD NEEDLES
Gustave Theodore Broberg, Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a corporation of Maine
Application March 16, 1939, Serial No. 262,250
1 Claim. (Cl. 163—5)



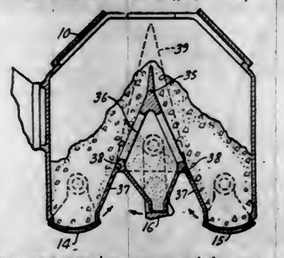
The method of making spring beard needles comprising shaping a blank so as to form a needle having a hook, a beard and a groove adapted to receive the end of the beard when pressed, and simultaneously applying pressure to the needle, after it is formed, at the opposite side faces of the hook, the beard and the stem between the hook and the groove, for reforming the metal therein sufficiently for accurately dimensioning the same as to width as viewed from the face on the grooved side thereof and so as to position and set the end of the beard laterally centrally over the groove.

2,202,946
AIR CONDITIONING SYSTEM
Willis H. Carrier, Essex Fells, N. J.
Application April 18, 1935, Serial No. 16,992
9 Claims. (Cl. 257—2)



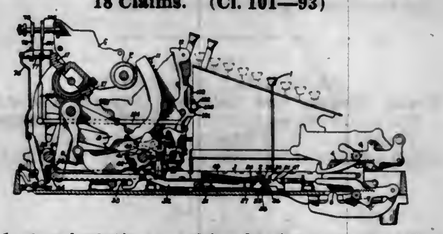
9. A method of air conditioning consisting in causing air to flow in a stream, bringing one portion of the air stream into contact with a series of heat exchange surfaces, bringing another portion of the air stream into contact with a separate series of heat exchange surfaces, selectively supplying conditioning medium to individual of said surfaces, and delivering both portions of the air stream to an area to be conditioned.

2,202,947
AUTOMATIC SCALE
Neill E. Dorrington, Oswego, and George A. Cullom, New York, N. Y., assignors to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application April 7, 1938, Serial No. 200,698
1 Claim. (Cl. 249—15)



Weighing apparatus comprising a receptacle mounted upon a weighing device and means for feeding material to the receptacle comprising a hopper having two main outlets and a dribble feed outlet between the main outlets and an inverted V-shaped guard in the hopper over the dribble feed outlet, the guard having screen openings in its sides and admitting screened material to the dribble feed outlet and directing coarser material to the main outlets.

2,202,948
CALCULATING MACHINE
Arthur J. Fettig, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application July 9, 1937, Serial No. 152,703
18 Claims. (Cl. 101—93)

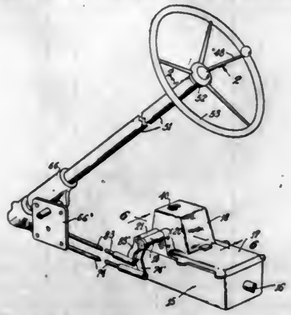


1. A calculating machine having a cooperative plural order mechanism comprising a plurality of depressible keys, a group of associated index bars controlled thereby, a printing mechanism comprising a corresponding and associated group of type carrying members controlled by said keys and supporting type, mechanism for causing said type to print, and means associated with an intermediate order of said latter mechanism and acting directly upon a non-adjacent higher order of said mechanism to cause said type in said group to print in said higher order.

2,202,949
GEARSHIFT MECHANISM
Frank Girardi and Salvatore Cipullo, Chicago, Ill., assignors, by direct and mesne assignments, to Robert A. Dublin and Antonio Torretta, both of Chicago, Ill., as trustees
Application March 30, 1938, Serial No. 198,941
8 Claims. (Cl. 74—484)

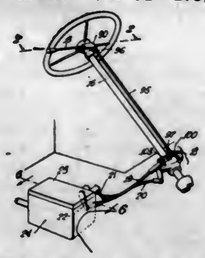
8. In a gear shifting mechanism for automo-

biles, a hand lever mounted on the steering post for rocking movement about an axis transversely of the post and also about an axis extending in the direction of the length of the post, a pair of parallel shafts extending across the transmission housing, each mounted for movement upon an axis transversely of said post, at least one of said shafts being rockable about its respective axis, gear shifting members reciprocable in parallelism transversely of said shafts and arranged to selectively shift transmission gears, connecting devices extending from said shafts toward said post, mechanism operatively linking



each of the same with said hand lever for selective reciprocation by movements of said lever in a predetermined manner relative to the aforesaid axis thereof whereby to move the corresponding shaft, a selective coupling slider reciprocably mounted on a particular one of said shafts and carrying a shift finger with its opposite sides selectively movable to-and-fro into and out of operative engagement with one or the other of said gear shifting members to couple the same with each particular shaft, and means actuated by the other shaft and operatively associated with said coupling slider for moving the latter back and forth for the purpose aforesaid.

2,202,950
GEARSHIFT MECHANISM
Frank Girardi and Salvatore Cipullo, Chicago, Ill., assignors to Robert A. Dublin and Antonio Torretta, both of Chicago, Ill., as trustees
Application October 22, 1938, Serial No. 236,454
5 Claims. (Cl. 74—473)



1. Gear shifting mechanism for cooperation with transmission gears mounted on a transmission shaft of a transmission gear set, said mechanism comprising: a housing having a pair of parallel gear shifting shafts disposed transversely to said transmission shaft in spaced relationship therealong, a pair of gear shifting yokes mounted on said gear shifting shafts for rocking movement about the substantially parallel axes thereof, a pair of slide blocks mounted for parallel sliding movement in a direction transverse to the rocking axes of said yokes and parallel with said transmission shaft, means drivingly connecting each of said slide blocks with one of said yokes, a selective connecting member, selecting shaft means for supporting said connecting member for sliding movement between said slide blocks in a direction transverse thereto into and out of driving engagement with either one of said slide blocks, means for selectively moving said connecting member for the purpose aforesaid, and means for moving said connecting member in opposite directions substantially parallel to the axes of said slide blocks for rocking movement of a selected one of said shifting yokes.

2,202,951
TREATMENT OF BEEF CARCASSES
Andrew S. Hartanov, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 31, 1938, Serial No. 248,733
4 Claims. (Cl. 99—174)

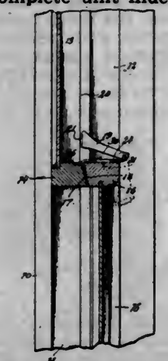


1. The method of treating carcass beef which comprises applying a cloth to the skinned surface of the carcass before the carcass has lost its animal heat, retaining the cloth on the surface of the carcass until the cloth has absorbed any blood on the surface of the carcass, and until the surface is partially chilled, removing the cloth, applying a branding material and thereafter covering the branded carcass with a second cloth which has been moistened with a brine solution.

2,202,952
WINDOW SASH FASTENER OR HOLDER
Carlton Z. Hayes, Buffalo, N. Y., assignor of one-third to Walter L. Bradley, Eggertsville, N. Y., and one-third to Russell H. Gowland, Buffalo, N. Y.
Application October 12, 1938, Serial No. 234,646
1 Claim. (Cl. 292—238)

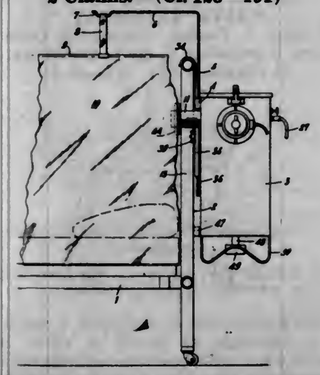
A window sash fastener comprising a vertically swinging clamping arm provided on its front end with a gripping jaw adapted to engage one window sash and at its rear end with a transverse pivot hole, and a base which includes two longitudinal bars arranged on opposite sides of said clamping arm, each having a downwardly projecting claw at its front end adapted to engage another window sash, a neck projecting upwardly from the rear end of each of said bars, and a pintle projecting transversely inward from the upper end of each of said necks into engagement

with one end of said pivot hole, and a brace connecting the central parts of said bars, each longitudinal bar, claw, neck and pintle being constructed as a complete unit independent of the



other bar, claw, neck and pintle, and said brace serving as the sole means of connecting said bars and holding said pintles in engagement with opposite ends of said pivot hole.

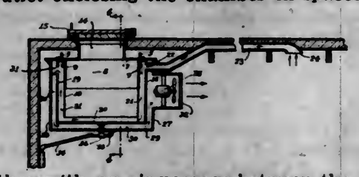
2,202,953
GAS THERAPY APPARATUS
Joseph G. Kessler, Trenton, N. J.
Application February 19, 1938, Serial No. 191,355
2 Claims. (Cl. 128—191)



1. Apparatus for gas therapy comprising a mixing chamber and a tent, means for supporting said chamber from the end frame of a bed in a position beyond the end of the bed, a tent-supporting bracket and fluid conduits attached to said chamber, said bracket and conduit being so arranged as to permit said bracket to extend over the top of the end frame and said conduits to extend through openings in the end frame, said conduits being laterally adjustable with respect to one another at their points of attachment to said chamber to accommodate them to variously spaced openings in the end frame, means for attaching said tent to said bracket and means for attaching said conduits in communication with apertures in a wall of said tent.

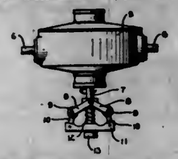
2,202,954
REFRIGERATION UNIT
Eric Willard Lager, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application September 16, 1937, Serial No. 164,235
8 Claims. (Cl. 62—133)

1. In a refrigeration unit, a chilling means, a chamber provided with air inlet means and enclosing the chilling means in spaced relation therewith, a compartment provided with a chilled air outlet enclosing the chamber in spaced rela-



tion therewith, an air passage between the chamber and the compartment and means adapted to cause a forced circulation of air in and through the chamber and compartment.

2,202,955
GYROSCOPE
Heinrich Langgässer, Berlin-Grunewald, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application March 8, 1938, Serial No. 194,671
In Germany April 5, 1937
10 Claims. (Cl. 74—5)



1. The combination with a gyroscope having a rotatable element of means axially movable relative to said element in response to rotation of the latter whereby the center of gravity of said combination is shifted, means for moving said axially movable means, and means constituting yieldable means operable when said element is at rest for placing said center of gravity in a predetermined position.

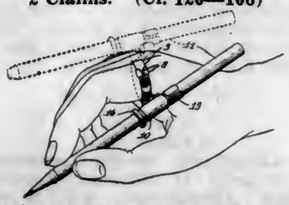
2,202,956
BUILDING BLOCK
John G. Lee, Farmington, Conn.
Application August 24, 1938, Serial No. 226,546
3 Claims. (Cl. 35—16)



1. A set of building blocks including a plurality of blocks, each reproducing a major portion of a building having closure openings therein and each having angularly related side walls, certain of which have rectangular recesses therein representing such closure openings, and connecting members cooperating with said blocks and adapted to be seated in opposed recesses in confronting interior side walls of adjacent blocks to frictionally connect adjacent blocks, one of said cooperating elements being resilient and one hav-

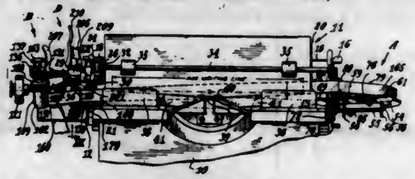
ing opposed undercut edges whereby said connecting members may be snapped into confronting recesses in the side walls of adjacent blocks when said recesses and connecting members are in confronting relation and said blocks are pressed laterally together.

2,202,957
HOLDER
John E. Martin, Minneapolis, Minn.
Application July 5, 1939, Serial No. 282,896
2 Claims. (Cl. 120—106)



1. A device of the character described, comprising, an adjustable ring adapted to fit the finger of a writer, said ring fashioned with a radially extending arm terminating in a loop adapted to receive therethrough a writing implement, a thumb piece extending tangentially with respect to the ring and connected to said arm to facilitate movement of the ring about the finger by the thumb of the user, and means adjacent said loop for engagement with the latter and adapted to fit about said implement to limit the endwise movement thereof relative to said loop.

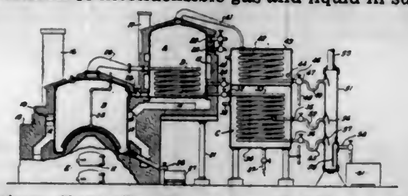
2,202,958
WRITING MACHINE
William E. McFarland, Nutley, N. J., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application September 30, 1937, Serial No. 166,527
80 Claims. (Cl. 197—153)



7. A writing machine, including a carriage, a ribbon movable with said carriage, a supply therefor, said ribbon extending from said supply and in operative position located in the normal writing line of said machine, said so located ribbon being disposed at an oblique angle to said line, ribbon gripping means for feeding said ribbon, and means for limiting the movement of said gripping means to feed said ribbon in uniform steps along said path in each feeding operation of said ribbon.

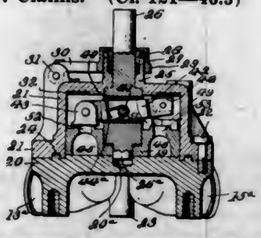
2,202,959
METHOD OF THE RECOVERY OF VALUES FROM LIGNITE LIQUOR
Raymond Nauth, Buffalo, N. Y.
Application May 13, 1937, Serial No. 142,437
1 Claim. (Cl. 196—76)

The method of recovering valuable constituents from lignite liquors, which comprises the steps of effecting a separation of such liquor into an aqueous and a tarry fraction, simultaneously subjecting both of said fractions to a temperature high enough to drive out gases therefrom but too low to effect the distillation therefrom of ingredients of appreciably higher boiling point, passing the distillate from the tarry fraction in heat exchange relationship with the aqueous fraction to minimize the heat energy required for such treatment, condensing the distillates and collecting them in a common receiver, effecting the separation of incondensible gas and liquid in such



receiver, thereafter increasing the temperature of the tarry fraction and passing the distillate resulting therefrom in heat exchange relationship with the aqueous fraction, simultaneously diverting the distillate from the aqueous fraction from said receiver, thereby separating said distillates from the said fractions, and utilizing the heat of the distillate from the tarry fraction as the principal means for effecting distillation from the aqueous fraction.

2,202,960
VALVE ASSEMBLY
Arthur L. Parker, Cleveland, Ohio
Application September 2, 1937, Serial No. 162,207
17 Claims. (Cl. 121—46.5)

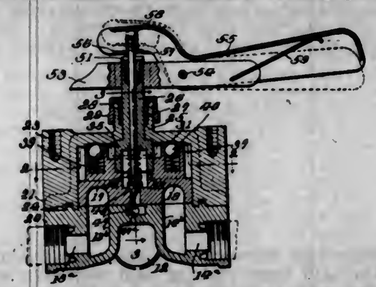


1. A valve assembly comprising a valve casing having a plurality of ports, a valve member mounted in said valve casing and adapted to selectively control the passage of fluid through said ports, a valve stem for shifting said valve member, said valve member having channels adapted to afford communication between pairs of said ports and having apertures affording communication between said channels whereby the fluid under pressure may be bypassed across said valve member, and means controlled by the movement of said valve stem for closing communication between said channels whereby the fluid under pressure may be utilized to exert a seating pressure against said valve member.

2,202,961
VALVE ASSEMBLY
Arthur L. Parker, Cleveland, Ohio
Application December 7, 1937, Serial No. 178,572
16 Claims. (Cl. 121—46.5)

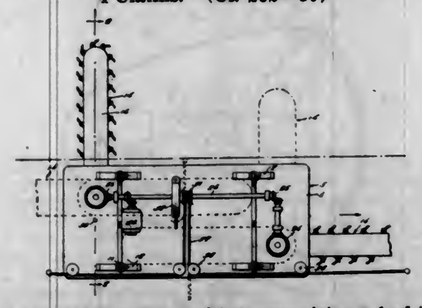
1. A valve assembly for controlling the flow of fluid under pressure, comprising a valve casing having a seat provided with a plurality of ports, a valve member mounted in said casing with one side thereof in contact with said seat and adapted to selectively control the passage of fluid through

said ports, a stem extending into said casing for operating said valve member, means for directing fluid under pressure to the opposite side of said valve member to exert a seating pressure



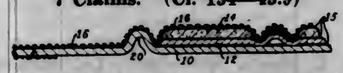
thereon, and means associated with said valve member and operable independently of said stem for bypassing the fluid under pressure through said valve member whereby to facilitate the shifting thereof.

2,202,962
COAL MINING MACHINE
Oliver T. Porter, Barton, Md.
Application June 28, 1939, Serial No. 281,745
4 Claims. (Cl. 262—30)



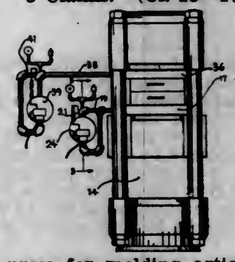
1. A coal mining machine comprising a bed including a runner type plate for the supporting thereof on the floor of a mine room, endless type cutters carried by said bed and adjustable for operation at various angles thereto, power means for driving said cutters and carried by said bed, and means connected to an opposite face of the bed from the runner type plate for supporting the bed at various elevations with respect to the floor of the room to permit cuts to be made by the cutters at various elevations between the floor of the room and the ceiling thereof not obtainable when said runner type plate is supporting said bed.

2,202,963
LAMINATED TRIM PANEL
Meredith S. Randall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application January 25, 1939, Serial No. 252,777
7 Claims. (Cl. 154—45.9)



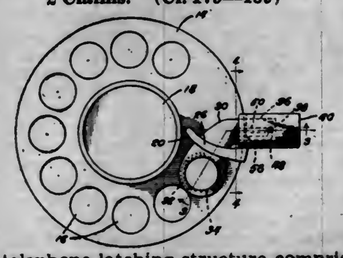
1. A laminated trim panel comprising, in combination, a panel foundation board, a laminated sub-assembly consisting of a backing lamination, a lamination of wadding overlying said backing lamination and a lamination of trim material overlying the wadding and extending beyond the margin of said backing lamination, said sub-assembly having its several laminations secured compacted together along a line determining an embossed area, said sub-assembly having its backing lamination secured in juxtaposition over the panel foundation board and having its trim material lamination independently secured to the panel foundation board, said backing lamination independently of said foundation board having insufficient rigidity to serve as a panel foundation.

2,202,964
PRESS
Merrill L. Rathbun, Salamanca, N. Y.
Application July 30, 1937, Serial No. 156,526
3 Claims. (Cl. 18—17)



2. In a press for molding articles, a pair of relatively movable platens, said platens each being formed with a closed compartment, fluid heating units for said platens, one of said units being provided for and being located adjacent one end of each of said platens, fluid conveying means connecting said units with the compartments of said platens, said means also serving to rigidly secure each of said units to its respective platen, one of said units being laterally offset with respect to the other of said units to provide vertical clearance for relative movement toward or away from one another.

2,202,965
TELEPHONE LOCK DEVICE
Charles V. Richey, Jamaica, N. Y.
Application June 22, 1939, Serial No. 280,633
2 Claims. (Cl. 179—189)



1. A telephone latching structure comprising a plate having an arcuate flange at one end to pivotally secure the plate in engagement with the finger hole of a telephone dial with the other end of the plate angularly disposed with respect to the main body of the plate so as to extend beyond the edge of a telephone dial and having at its outer end a vertically disposed pin, and a latching barrel comprising an inner cylinder relatively rotatable and an outer portion containing a slot adapted to receive the pin and end portion of the plate and a second slot to engage the periphery of the dial, the wall of the inner rotatable

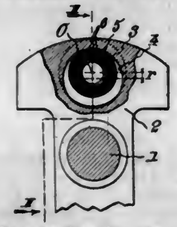
cylinder being grooved longitudinally to receive the pin for longitudinal movement of the cylinder and being angularly disposed during a portion of its extent to receive the pin and thus to prevent longitudinal movement of the inner barrel.

2,202,966
FRUIT TREE REPRODUCTION
Ralph John Rodocker, Wichita Falls, Tex.
Application August 13, 1938, Serial No. 224,811
3 Claims. (Cl. 47—6)



1. The method of reproducing Prunus fruit trees which includes the grafting of a bud or graft from a late blooming tree onto a stock of similar variety, and the grafting of a second bud or graft onto the stock formed by said first bud or graft whereby to provide an intermediate stock resulting from said first grafting having a character such that the sap from the lower stock and root will be initially retarded in its flow to the tree top formed by the second grafting or budding.

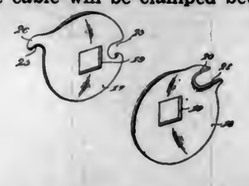
2,202,967
VIBRATION DAMPER
Raoul Roland Raymond Sarazin, Saint Prix, France
Application December 5, 1938, Serial No. 244,094
In Belgium June 24, 1938
8 Claims. (Cl. 74—604)



1. A pendular device for damping the vibrations of a rotating body, comprising a structure rigid with said body and having therein a track eccentric with respect to the axis of rotation of said body, a second structure having a bearing portion, and an intermediate member between said bearing portion and said track and freely rotatable with respect to one of said structures, said second structure having a normal position in which its center of gravity is at a maximum distance from the axis of rotation of said body, there being a line rolling contact under the action of centrifugal force between the other of said structures and said intermediate member at a point substantially in alignment with the center of gravity of said second structure and the axis of rotation of said rotating body when said second structure is in said normal position.

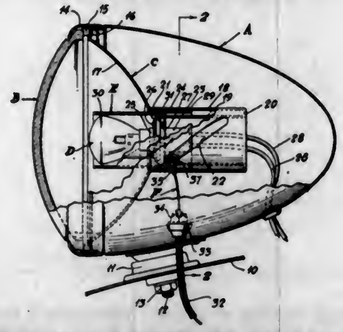
2,202,968
LINE CLAMP
Oscar J. Simler, Sebring, Ohio, assignor of one-half to Mary Calderone, Sebring, Ohio
Application April 5, 1939, Serial No. 266,170
1 Claim. (Cl. 24—127)

A fastener for a cable comprising a non-circular supporting stud, non-rotatable reversely disposed substantially concavo-convex circular-shaped members loose upon said shaft and independent from each other for relative sliding movements, and a base plate fixedly carrying said stud and coacting with the innermost member whereby the cable will be clamped between said



members and between the innermost member and the said base, both of said members being provided with peripheral notches for the training of the cable laterally and outwardly of said members and the looping of the said cable between said members and also between the base plate and the innermost of said members.

2,202,969
CONVERTIBLE LIGHT
Clifford Sklarek, Los Angeles, Calif.
Application August 13, 1938, Serial No. 224,765
5 Claims. (Cl. 240—45)

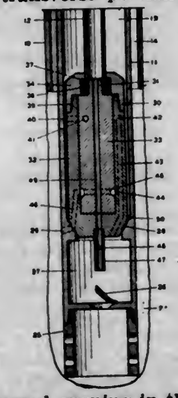


1. In a convertible light, the combination with a lamp shell having a lens; of a reflector within the shell having a light reflecting portion and an integrally formed section extending rearwardly from the reflector portion centrally of the latter, said formed section consisting of spaced, outer and inner cylindrical sleeves united at their rear ends, the forward end of said inner sleeve having an inturned flange to provide a seat fixed with reference to the focus of the reflecting portion; a bulb socket base supported by and attached to said flange and adapted to have a bulb attached thereto; a tubular, translucent light beam interceptor movably mounted between and lengthwise of said sleeves and outwardly thereof to a position to intercept light rays from the bulb to the reflecting portion, said outer sleeve having a slot therein; and means for actuating said interceptor and engageable with the latter through said slot.

2,202,970
OIL WELL PUMP
Francis E. Steele, Shreveport, La., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 14, 1938, Serial No. 195,902
3 Claims. (Cl. 103—240)

1. In a deep well lifting means, inner and outer

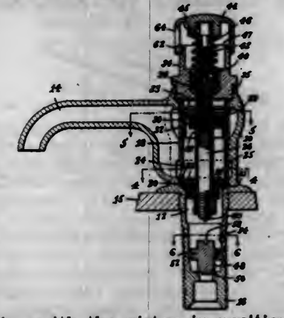
tubing members, a barrel member mounted on the end of the inner tubing member, a shoulder on the inner wall of the outer tubing member providing a seat for the barrel member, said seat portion having a transverse opening therethrough, a plug member attached to the inner tubing member having a longitudinal conduit through the center thereof and rotatable in said barrel by means of turning the inner tubing member from the surface of the ground, a liquid accumulation chamber located below said barrel member, a longitudinal conduit in the bottom of the barrel member connecting the accumulation chamber with the conduit in the center of the plug member and the inner tubing member, an opening in the upper end of the barrel connecting with the space between the inner and outer tubing members, a conduit in the wall of the barrel having a transverse portion directly op-



posite the first named opening in the barrel and a portion running longitudinally of the barrel connecting with the top of the accumulation chamber, a second passage in the lower portion of the barrel connecting with the transverse opening in the seat portion, transverse passages in the upper and lower portions of the plug member alternately aligning with the openings in the barrel upon rotation of the plug member to admit gas under pressure from the space between the inner and outer tubing to the accumulation chamber to force the liquid therein upwardly through the lower end of the barrel plug member and into the inner tubing and then by continuing rotation of the plug member closing off said gas admission openings and opening the passages in the lower portion of the barrel to exhaust the gas under pressure from the accumulation chamber to the formation.

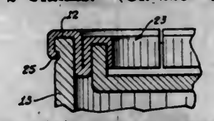
2,202,971
FAUCET
Anton M. Vedoe, Wollaston, Mass.
Application December 11, 1937, Serial No. 179,344
4 Claims. (Cl. 277—29)

1. A faucet comprising a body having a chamber therein and relatively angular casing and spout elements having passages therethrough in communication with the chamber at their inner ends, the body having a recess including an annular shoulder at the inner end of the casing, a metallic valve seat member fitting within the recess against said shoulder and having a centrally disposed opening therethrough and a chamfered edge providing an inwardly extending boss surrounded by an innular shoulder, a piece of tubing open at both ends providing a removable cylinder in the chamber in alignment with the casing and having one end fitting over and enclosing the boss and seating against said shoulder, a valve stem in the cylinder extending through said opening in the valve seat member and carrying a valve cooperating with the valve seat at said opening, a spring operative on the stem to move the valve onto the seat and close the opening, a piston operating in the cylinder and having a flow opening therethrough, a second valve carried by the stem inwardly of and



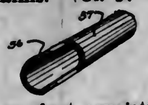
cooperating with the piston in position normally closing the flow opening under the action of the spring, inward movement of the stem being adapted to open both valves, means carried by the stem to move the piston inwardly with the stem after opening of the second valve, means providing a limited flow by-pass from the cylinder, and a member threaded into the body outwardly of the cylinder and serving to secure the cylinder from outward longitudinal movement.

2,202,972
CONTAINER COVER
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application May 29, 1936, Serial No. 82,434
2 Claims. (Cl. 229—5.7)



1. A unit container cover comprising a fibrous disk provided with a peripheral flange and a metal ring for securing the cover within a fibrous container body with the peripheral flange extended outwardly toward the end edge of the container body comprising a circular radial flange provided at its inner edge with a U-shaped member crimped over the peripheral flange, the radial flange being adapted for crimping to the outer wall of the fibrous body, the cross member of the U-shaped member being extended in substantially the same plane as the radial flange.

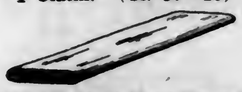
2,202,973
SOAP PRODUCT
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 8, 1937, Serial No. 178,779
9 Claims. (Cl. 87—16)



1. A new soap product consisting of individual

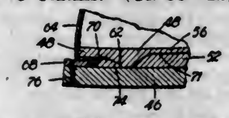
tubular sections approximately .07 to .09 inch in diameter, having soap walls approximately .0035 inch to .0055 inch in thickness.

2,202,974
RIBBON SOAP
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 8, 1937, Serial No. 178,780
1 Claim. (Cl. 87—16)



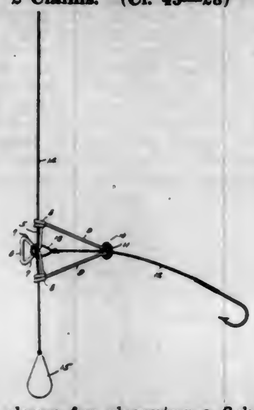
A ribbon soap product in which the component particles are collapsed soap tubes with a continuously smooth surface, having arcuate edges, sufficiently large to readily appear to the eye as individually distinct particles of reasonably uniform size and shape, and sufficiently small to constitute necessarily a bulk soap product of such character that the component particles are used in mass rather than as separate entites, and consist of a collapsed soap tube solidified into a characteristic arcuate edged ribbon, whereby chipping at the edges and the consequent production of dust-like matter is obviated, in which product the individual particles comprise appreciable amounts of soap so that the respective particles are individually distinct bodies capable of ready, independent, relative movement and ready separation upon introduction into water, are capable of attaining practically immediate contact with water upon being dropped upon the surface thereof, and of maintaining their independent identity without sticking together to form masses of undissolved soap, and are large considering the amount of soap contained therein to thereby present an available surface area which is large relative to the amount of soap in the particle, whereby the soap product is free from any substantial characterizing amount of powder or dust-like matter, is soluble with particular readiness, speed and completeness, and is characterized by a total absence of any tendency to form lumps, balls or spots of undissolved soap in washing.

2,202,975
WELT SHOE
Horace D. Webb, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 25, 1936, Serial No. 65,633
5 Claims. (Cl. 36—12)



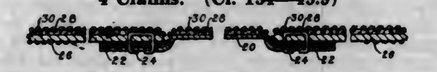
1. A shoe comprising an insole of relatively soft and flexible material having in its forepart a central recess extending from its lower side nearly but not quite through the insole and leaving the central portion of the forepart of the insole substantially thinner than the marginal portion of the forepart, said marginal portion having a deep channel extending upwardly and outwardly substantially from the edge of said recess, an upper and a welt secured to said insole by stitches extending into said channel, and an outsole of harder and less flexible material than the insole secured to said welt, the outsole having secured to its central forward portion only a projection of relatively soft and flexible material complemental to the recess in the insole and fitting within and substantially filling said recess.

2,202,976
LINE CLAMP
George F. Wise, Philadelphia, Pa.
Application June 19, 1939, Serial No. 280,005
2 Claims. (Cl. 43—28)



1. A wire clamp for clamping a fish hook line having a loop, to a fishing line, comprising leg members, an end member, eyes at the ends of the end member through which a fishing line is threaded said eyes being connected to the leg members, said end member having an offset portion around which the fishing line is looped, securing the clamp to the fishing line, the loop of the hook line being positioned over the offset portion and being secured by the loop of the fishing line, and an eye connecting the free ends of the leg members through which the hook line extends.

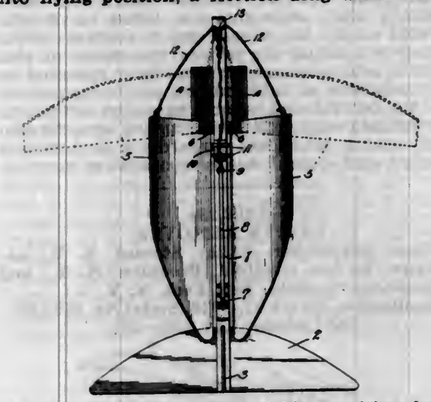
2,202,977
LAMINATED TRIM PANEL
Herbert J. Woodall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application May 25, 1938, Serial No. 209,997
4 Claims. (Cl. 154—45.9)



1. A laminated trim panel exhibiting an embossed design including two adjacent panel areas presenting an embossed appearance and separated by a debossed groove, each of said two areas comprising a foundation layer and a layer of trim material including a layer of trim cloth overlying each of said foundation layers, a bridging element connecting said adjacent foundation layers together with opposed margins slightly spaced apart, said trim cloth for said two areas along the adjacent opposed margins of the connected foundation layers being extended through the joint between said opposed margins and being extended in juxtaposition over the underlying bridging element and underneath one of the foundation layers and there secured in place.

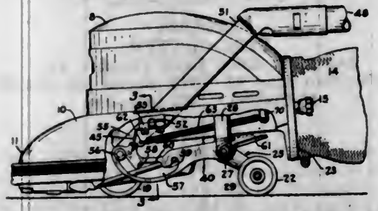
2,202,978
TOY AIRCRAFT
Robert L. Bass, Los Angeles, Calif.
Application December 8, 1937, Serial No. 178,770
4 Claims. (Cl. 46—80)

1. A toy flying machine comprising a fuselage wings which are at least in part foldable, an elastic element for swinging the folded wing parts into flying position, a friction drag which holds



said foldable wing parts in folded position for a limited period of time.

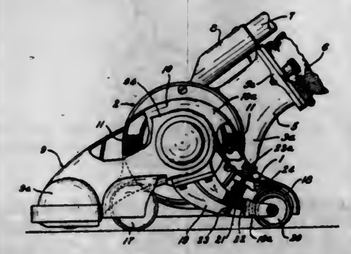
2,202,979
SUCTION CLEANER
Bernard C. Becker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 29, 1937, Serial No. 177,000
In Great Britain September 17, 1937
4 Claims. (Cl. 15—16)



1. In a suction cleaner, a body, wheel supporting means pivotally mounted on said body, wheels carried by said supporting means, tension means acting on said supporting means and body to support the normal cleaner weight, a handle pivoted on said cleaner and movable to different operative positions, and foot operated handle control means pivotally mounted on said cleaner and operable against said tension means to control the operative positions of said handle.

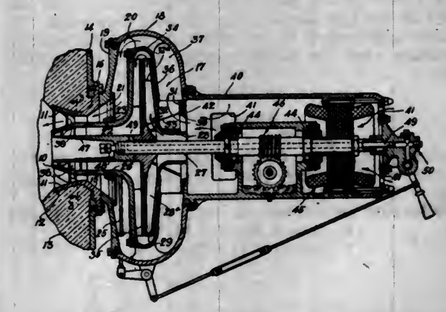
3. In a suction cleaner, a body having a nozzle at its forward end, wheel supporting means pivotally mounted on said body toward the rear end of the latter, wheels carried by said supporting means, resilient means acting on said supporting means and body to support the normal cleaner weight, means for creating suction in said nozzle, said suction tending to pull said nozzle downwardly toward the surface undergoing cleaning and to effect a reduction in the weight supported by said resilient means, a handle pivotally mounted on said body and movable to different operative positions, said handle having an extension projecting below the handle pivotal axis, and tension means connected to said handle extension below the handle pivotal axis and extending rearwardly and connected to said casing rearwardly of the pivotal axis of said supporting means for counterbalancing said downward pull of suction at said nozzle and said effect of said suction on said resilient means when the operator is propelling said cleaner by said handle.

2,202,980
SUCTION CLEANER
Bernard C. Becker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 5, 1938, Serial No. 183,478
6 Claims. (Cl. 15—16)



1. In a suction cleaner, the combination of a frame carrying suction-creating means and having wheels at the front and rear ends thereof capable of supporting the weight of the cleaner upon the carpet being cleaned with relatively limited penetration of the carpet nap, a nozzle pivotally mounted on said frame and communicating with said suction-creating means, auxiliary wheels journalled on said nozzle rearwardly of the pivotal axis of said nozzle, and tension means adapted to exert a force on said nozzle sufficiently in excess of that required to counterbalance the weight thereof to depress said auxiliary wheels into the carpet nap and thereby tilt the nozzle upwardly to compensate for the increased depth of penetration of said front supporting wheels under the operating load of the cleaner.

2,202,981
OIL BURNER
William O. Behrens, Harvey, Ill.
Application July 11, 1936, Serial No. 90,232
6 Claims. (Cl. 158—77)



5. An oil burner comprising, in combination, primary and secondary air nozzles, a fuel nozzle extending into said primary air nozzle, means for supplying high pressure air to said primary air nozzle and low pressure air to said secondary air nozzle, means for supplying fuel oil to said fuel nozzle, means for regulating the fuel supply, means for regulating the volume of secondary air, and means interconnecting said last two mentioned means for joint synchronous operation, whereby an increase in the fuel supplied will be accompanied by a proportional increase in the supply of secondary air.

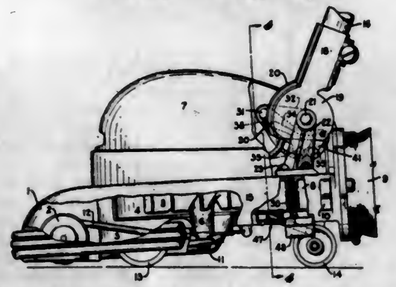
2,202,982
SUCTION CLEANER
William C. Bell, London, England, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 20, 1938, Serial No. 214,652
4 Claims. (Cl. 15—9)



1. In a suction cleaner adapted to be converted to and from off-the-floor cleaning, the combination of suction-creating means, a nozzle communicating with said suction-creating means, an agitator mounted in said nozzle for contact with the surface being cleaned during off-the-floor cleaning, said cleaner being provided with a port also adapted to communicate with said suction-creating means during off-the-floor cleaning operation and opening laterally outward and in relatively close proximity to the floor surface, and a converter member adapted to be fitted into said port during off-the-floor cleaning operation and having a radially disposed prop member adapted to contact the floor and tilt the cleaner sufficiently to raise the agitator out of active contact with the carpet surface.

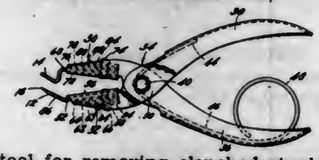
4. In a suction cleaner adapted to be converted to and from off-the-floor cleaning operation and having a nozzle and a rotary agitator mounted in said nozzle, the combination of a converter fitting adapted to be inserted into a port in the body of said cleaner to complete the converter operation, said port being located adjacent said nozzle and opening laterally at a relatively short distance above the floor level, and a prop member rotatively mounted on said converter fitting and adapted to be shifted manually into contact with the floor surface after the insertion of said converter fitting into its port to tilt the body of the cleaner and raise the nozzle sufficiently to prevent contact between the agitator and the carpet during converter operation.

2,202,983
SUCTION CLEANER
Vernon E. Carlson, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 10, 1937, Serial No. 179,084
Renewed August 18, 1939
7 Claims. (Cl. 306—13)



3. In a suction cleaner, a body including a nozzle, fan chamber, exhaust outlet and overhanging skirt adjacent the latter, a handle pivoted on the top of said outlet, central control means restricting the pivotal movement of said handle, a foot-operated release lever mounted on the underside of said exhaust outlet, connected to said control means, and extended outwardly beyond said skirt, and spring means beneath said skirt urging said lever upwardly and normally holding said control means in operative position.

2,202,984
STAPLE REMOVER
William Drypolcher, Valley Stream, N. Y., assignor to Lou Obstfeld, Brooklyn, N. Y., and Abraham Obstfeld, New York, N. Y.
Application March 17, 1939, Serial No. 262,332
23 Claims. (Cl. 254—28)



3. A tool for removing clenched staples from stapled material, said tool comprising relatively movable fingers so arranged as to bend the crown in such direction that the clenched ends of the staple legs are swung outwardly, so that they may be removed with minimum tearing of the stapled material.

2,202,985
PIPE CUTTER
James T. Ellis, Lake Charles, La.
Application May 22, 1939, Serial No. 274,935
10 Claims. (Cl. 164—0.6)



1. In an outside pipe cutter, a body, a cutter carrier slidably and non-rotatably carried by said body, cutter knives on said cutter carrier, which are inwardly movable, means for anchoring said carrier against longtitudinal movement with respect to a pipe to be cut, and resilient means carried by said body for resiliently urging said cutter knives inwardly into cutting position upon longitudinal movement of said body with respect to said carrier.

2,202,986
PIPE CUTTER
James T. Ellis, Lake Charles, La.
Application July 24, 1939, Serial No. 286,223
11 Claims. (Cl. 164—0.7)

11. In a pipe cutter, an elongated cutter support having cam surfaces thereon, a sleeve slidable upon said support, a cutter arm pivotally mounted on said sleeve and having parts adapted to cooperate with said cam surfaces to move said arm about its pivot with respect to sleeve when said support is moved longitudinally with respect to said sleeve, an outwardly directed cutter blade on said arm below its pivotal support, means for urging said sleeve downwardly with respect to said support to retract said cutter blade, a downwardly tapered mandrel carried by the said support below said sleeve and longitudinally movable on said support, slips longitudinally movable with respect to said support and adapted when expanded to prevent downward movement within a pipe, said slips being adapted to receive said tapered mandrel to cause expansion of said slips when said support is moved downward with respect to said slips, downwardly directed spiral



ratchet teeth upon said support, a split ring adapted to embrace said teeth and having downwardly directed spiral ratchet teeth therein, and means for limiting longitudinal movement of said split ring with respect to said slips and for preventing rotational movement of said ring with respect to said slips, whereby said cutter blades will normally be held in retracted position and said slips will normally be held out of contact with said tapered mandrel, and whereby said support may be released from said split ring by rotation to permit it to be moved downwardly with respect to said slips, thus engaging said slips with said mandrel and expanding the same and upon continued downward movement expanding said cutter blade, and whereby on upward movement of said support said cutter blade will be retracted and said split ring will again be engaged with the said support to latch said anchor in inoperative position.

2,202,987
AERIAL NAVIGATION
Severin L. Egenas, Chicago, Ill., assignor to Hermann Hille, Chicago, Ill.
Application December 9, 1937, Serial No. 178,949
1 Claim. (Cl. 73—151)

A process of determining wind direction and velocity from an aircraft in flight, maneuvering said aircraft through a horizontal turn of substantially 360°, maintaining said aircraft at a substantially constant ground speed during said turn by observing changes in said ground speed and compensating therefor by correctional ground speed variations, and determining the maximum and minimum air speeds of said aircraft and the respective directions of flight during said turn.

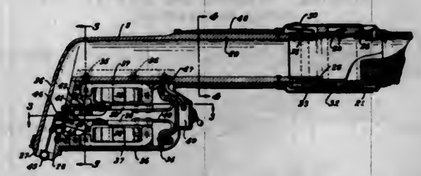


2,202,988
PICTURE PROJECTION SCREEN
Dewey M. Kennedy, Rochester, N. Y.
Application January 23, 1939, Serial No. 252,320
2 Claims. (Cl. 88—24)



2. In a screen of the character described, a Celluloid panel having relatively small closely spaced perforations extending therethrough, a light reflecting metallic coating overlying the forward and rear surfaces of said panel and closing the perforations therein with films of said coating which define offset areas recessed from the forward surface of the panel, said coating on the forward surface of said panel partially reflecting and partially transmitting the light rays which fall thereon, a flexible fabric backing and a flexible adhesive covering the forward face of the backing and the metallic coating on the rear of the panel and providing a bond uniting the coating on the rear of the panel and the films in the perforations with the backing.

2,202,989
SUCTION CLEANER
William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 24, 1934, Serial No. 741,195
Renewed June 27, 1938
18 Claims. (Cl. 15—13)



1. In a suction cleaner nozzle unit, air-conducting means adapted to be connected to suction-creating means, a nozzle open to said air-conducting means, a surface-agitating element connected to and positioned to cooperate with

said nozzle in the cleaning operation, and means to reciprocate said element at high frequency connected thereto and including a plurality of opposed reciprocating armatures always moving in opposite directions thereby providing cancelling force reactions, whereby said unit other than said element receives a minimum of vibration.

12. In a suction cleaner unit, air-conducting means adapted to be connected to suction-creating means, a nozzle open to said air-conducting means, an even number of reciprocating agitating elements positioned to cooperate with said nozzle, electrical vibrating means to vibrate said elements in synchronism and in pairs the individual members of which are displaced 180 degrees in time-phase relationship, whereby the reactions caused by the movements of said elements tend to cancel.

14. In a suction cleaner unit, air-conducting means adapted to be connected to suction-creating means, a nozzle open to said air-conducting means, a vibrating agitating element operatively positioned relative to said nozzle, an electric vibrator mounted on said nozzle and including a vibrating armature connected to said element, a resilient spring movably mounting said armature, resilient means contacting said spring, and manually adjustable means to load said resilient means to vary the operating characteristics of said vibrator.

2,202,990
METHINE DYESTUFFS

Edmund B. Middleton, New Brunswick, and George A. Dawson, North Brunswick Township, Middlesex County, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 9, 1937, Serial No. 129,958

8 Claims. (Cl. 260—240)

1. An N:N-dialkyl cyanine salt consisting of a heterocyclic group and a heterocyclic group in salt form, one of said heterocyclic groups being a benzobisthiazole radical and the other of said heterocyclic groups being an azole radical including in its nucleus an element of the oxygen selected from the group consisting of oxygen, sulfur and selenium group linked by a single methine carbon between a carbon atom alpha to the nitrogen atom of one thiazole nucleus of the benzobisthiazole radical and the carbon atom alpha to the nitrogen atom of the azole radical.

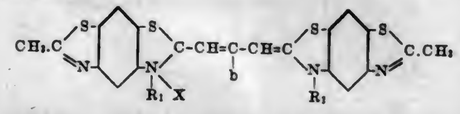
2,202,991
POLYMETHINE DYES AND METHOD FOR PREPARATION THEREOF

Edmund B. Middleton, New Brunswick, N. J., assignor to Du Pont Film Manufacturing Corp., New York, N. Y., a corporation of Delaware

No Drawing. Application May 12, 1937, Serial No. 142,283

12 Claims. (Cl. 260—240)

9. A compound having the following general formula



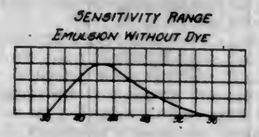
in which R_1 represents alkyl, *b* represents a member selected from the group consisting of hydrogen and alkyl, and X represents the negative radical of an acid.

2,202,992
PHOTOGRAPHIC MATERIAL

Edmund B. Middleton, Metuchen, and George A. Dawson, Raritan Township, Middlesex County, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware

Application November 13, 1937, Serial No. 174,472

12 Claims. (Cl. 95—7)



1. A gelatino silver halide photographic emulsion containing as a sensitizer a bisazole methine cyanine dye.

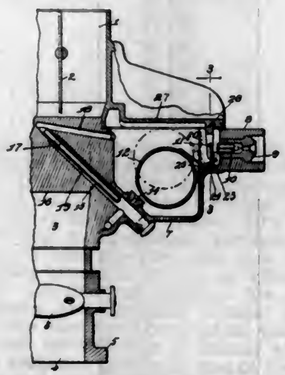
3. A silver halide photographic emulsion containing as a sensitizer a bisazole X-monomethine cyanine salt in which X is a member selected from the group consisting of oxazole, selenazole, thiazole and quinoline.

2,202,993
CARBURETOR FLOAT SUPPORT

Byron Mollberg, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application April 30, 1938, Serial No. 205,373

6 Claims. (Cl. 137—104)



1. In combination, a float chamber, a port in a wall thereof, a valve in said port, a float arranged for controlling said valve and having a supporting bracket including a recessed part, lug structure on the wall of said chamber engaging the under side of said bracket and pivotally supporting the same, and other lug structure on said wall extending into said recessed part of said bracket for resisting disassembly of said bracket from said supporting lug structure.

2,202,994
PROCESS FOR MAKING ALKALI METAL AMIDES

Julius A. Nieuwland, Notre Dame, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 7, 1936, Serial No. 67,679

2 Claims. (Cl. 23—190)

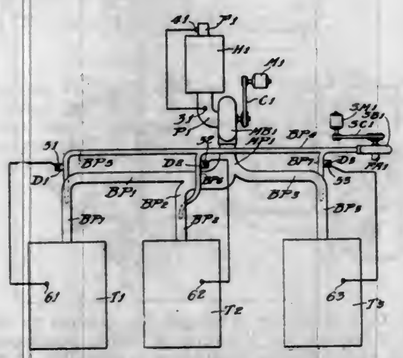
1. The process of making alkali metal amides by reacting an alkali metal with ammonia which comprises mixing a finely powdered ammonia soluble hydrated salt of a metal of the group consisting of iron, cobalt and nickel with liquid ammonia, adding a small quantity of alkali metal, bubbling air through the mixture until the reaction is under way and then adding more alkali metal, the ammonia being maintained in excess during the reaction.

2,202,995
MULTIPLE OVEN HEATING AND CONTROL SYSTEM

Samuel R. Porwancher, Chicago, Ill., assignor to Drying Systems, Inc., Chicago, Ill., a corporation of Illinois

Application May 19, 1938, Serial No. 208,867

2 Claims. (Cl. 237—2)



2. In a heating system including a plurality of enclosed areas such as ovens, and means for supplying heated air to each of said areas in a volume and at a temperature sufficient to insure proper operation in each area in the service to which it is put without restricting the flow of heated air to said area including a heater, air forcing means for delivering air heated in said heater to each of said areas, a temperature responsive device in the heated air delivery means and responsive to the temperature of air passing to said air delivery means from said heater and operable to effect such operation of said heater that the air will be heated therein to a temperature sufficiently high to establish and maintain the highest temperature required in any one or more of said areas, individual temperature responsive devices one located in each of said areas, means independent of the heated air delivering means and operable to supply air at a temperature lower than the temperature of air heated in said heater to all of said areas, and an individual means controlled by each of said individual temperature responsive devices and operable to effect admission of lower temperature air to the area with which it is associated when the temperature therein rises above a predetermined temperature and to restrict the admission of lower temperature air when the temperature in the area falls below a predetermined temperature to thereby control the temperature of said area without reducing the volume of the heated air flowing through said area whereby the volume of air flowing into such area will increase as the temperature is lowered by said lower temperature air.

2,202,996
METHOD OF FORMING OPEN MESH BAGS

Wade E. Sackner and John E. Millett, Grand Rapids, Mich., assignors to Sackner Bag Company, Grand Rapids, Mich.

Application December 19, 1936, Serial No. 116,760

3 Claims. (Cl. 139—389)



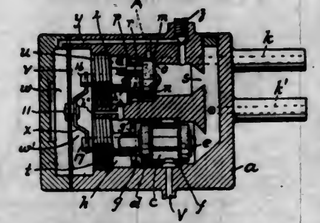
1. In the method of forming open mesh bags for displaying produce or the like, each bag having one side formed completely of uniform open mesh for displaying the contents of the bag and the other side formed in part of the same uniform open mesh for displaying produce and in part of open mesh portions of finer mesh suitable for displaying a printed trade-mark, the steps of double weaving two webs of open mesh fabric to form the sides of the bag by arranging a plurality of strands spaced uniformly and relatively far apart to form the warp threads of the entire web forming the uniform open mesh side of the bag, arranging a plurality of strands spaced similarly to the aforesaid strands to form the warp threads of a portion only of the web forming the other side of the bag, arranging a plurality of threads grouped together and spaced relatively closer together to form the remaining warp strands of said other side of the bag, and interweaving in said warp strands of both webs weft strands spaced relatively far apart to form two separate webs forming the two sides of the bag, and weaving all of the aforesaid warp strands together with weft strands for a short distance at points spaced longitudinally on the webs to form a length of single thickness material to form the bag edges.

2,202,997
MILKING MACHINE PULSATOR

Walter A. Scott, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application April 5, 1939, Serial No. 266,068

4 Claims. (Cl. 31—69)



1. In a milking machine pulsator comprising two cylindrical valves and valve stems with their axes parallel, a valve-operating diaphragm in

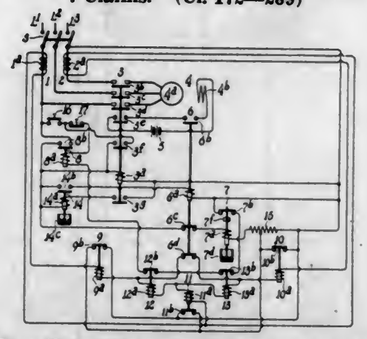
a plane at right angles to the axes of the valves, and a stem on the diaphragm located centrally thereof and midway between said axes, means connecting said diaphragm stem and valve stems for transmitting axial movement from the diaphragm to the valves without side pressure thereon and without creating resistance to rotation of the valves, said means comprising a plate having a central slot straddling the stem on the diaphragm and having end slots, at right angles to the first slot, straddling the stems of the respective valves.

2,202,998

PHASE FAILURE AND OVERLOAD PROTECTIVE SYSTEM

Edwin W. Seeger, Wauwatosa, Wis., and Glendon C. Brown, deceased, late of Wauwatosa, Wis., by Jean F. Brown, administratrix, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application March 3, 1939, Serial No. 259,672
7 Claims. (Cl. 172—289)



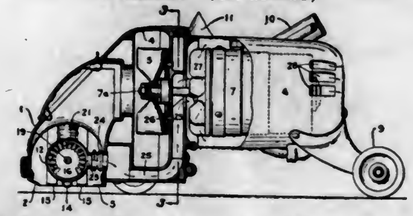
1. In a three phase circuit, two current transformers having primary windings respectively connected in different phases of said circuit and having secondary windings forming a V-connection, the voltages of the two branches thereof being normally displaced 120°, three electromagnetic relays connected in a circuit forming a star between the terminals of said V-connection, current responsive overload relays in circuit with said secondary windings and said electromagnetic relays and means responsive to the operation of said electromagnetic relays to vary the response of said overload relays.

2,202,999

SUCTION CLEANER

Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application March 3, 1937, Serial No. 128,745
8 Claims. (Cl. 15—13)



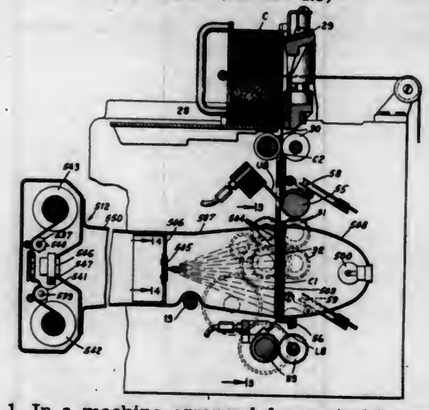
1. In a suction cleaner, a body including a nozzle, suction-creating means to draw air thru said nozzle, surface-covering agitating means movably mounted on said body in operative relationship to said nozzle, an unbalanced air turbine connected to said agitating means, and second suction-creating means connected to move air relative to said air turbine to actuate the same to vibrate said agitator.

2,203,000

MACHINE FOR READING PERFORATED RECORD CARDS

Clarence C. Smith, Flushing, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 13, 1938, Serial No. 245,406
6 Claims. (Cl. 95—4.5)



1. In a machine arranged for control by record cards having columns of index point positions, each column containing a plurality of differentially located positions and each position in a column representing a different character, a perforation in any selected position designating the related character for that column, a transparent plate having index point positions arranged to correspond to the positions on the card and each position having an opaque character marked therein representing the character of the related card position, means for feeding a record card into position to superimpose its index point positions upon the corresponding positions of the plate, whereby any perforation will directly reveal therethrough the correspondingly located character, a translucent screen, a system of lenses interposed between said screen and plate to direct light from each position in a column to a single point on the screen, the single points for all columns falling on a single line of the screen, and a light source to project an image of the characters on the plate, that are unmasked by card perforations, through said system of lenses, to record on said screen and on a single line the interpretation of the differentially located perforations on the card.

2,203,001

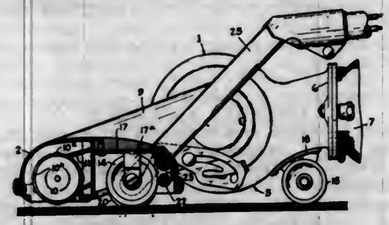
SUCTION CLEANER

Charles H. Taylor, Springfield, Mass., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application May 9, 1938, Serial No. 206,741
6 Claims. (Cl. 15—16)

1. A suction cleaner comprising a casing having a nozzle, pairs of supporting wheels mounted adjacent the opposite ends of said casing, a shaft extending transversely of said casing and provided with arms, auxiliary wheels journalled at

the ends of said arms and disposed adjacent and substantially in axial alignment with one of said pairs of supporting wheels, and tension means



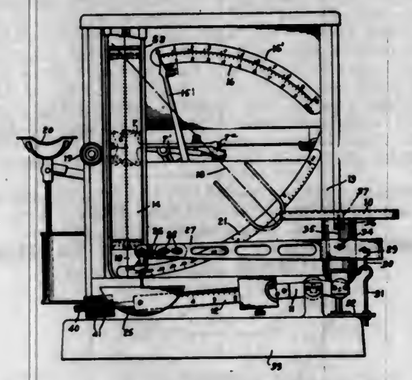
acting on said shaft to exert a pressure through said wheels in a direction to relieve the adjacent supporting wheels of substantially the entire static load of the cleaner.

2,203,002

COUNTING SCALE

Matthew T. Thorsson, East Williston Park, Long Island, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application November 9, 1937, Serial No. 173,569
6 Claims. (Cl. 265—29)



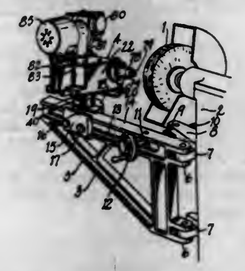
1. In a scale for counting the number of units in a load; a movable counting chart having graduations to indicate counts, a movable unit value indicator settable according to a unit value for coacting with said graduations to denote the count of units in the load, weighing mechanism connected to the chart, a main receiver carried by the weighing mechanism and to the load on which the weighing mechanism responds for moving the chart in a direction to bring graduations into correlation with said indicator for indicating the count of units in the load, with each graduation having a normal, count value, a supplementary receiver to alternatively receive the load, and means connecting the supplementary receiver to the weighing mechanism to effect automatic response of the latter for moving the chart in the aforesaid direction under the influence of the load when applied to the latter receiver, in predetermined multiple ratio to movement of the chart under the influence of the load when applied to the main receiver, for bringing chart graduations into count indicating relation to the unit value indicator and with each graduation having a count indicating value which is a fraction of the normal count indicating value equal to the reciprocal of the aforesaid multiple ratio of chart movement.

2,203,003

BUFFING MACHINE

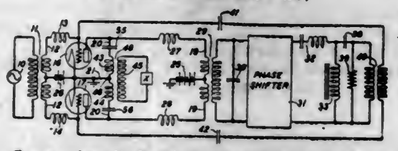
Herman Weber and Janus R. De Hamer, Kalamazoo, Mich., assignors to Shakespeare Products Company, Kalamazoo, Mich.

Application August 5, 1939, Serial No. 288,562
12 Claims. (Cl. 51—232)



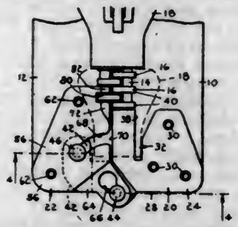
1. A work holding and feeding attachment for buffing and like machines, comprising a swingable bracket adapted to be attached to the machine and having means for adjustably positioning the same relative thereto, a way supporting post, means for mounting said post on said bracket for lateral, vertical, and angular adjustment, a fixed guide way member on said post, a casing having means engaging said guide way member for guiding the casing for lateral rectilinear sliding movement into and out of engagement with an operating wheel of said machine on a line normal and radial to the periphery of the wheel, a work holding collet rotatably mounted in said casing, means for rotating said collet at a plurality of speeds including a motor on said casing, a driving spindle drivingly connected to the collet and selective chain and sprocket drive means connecting said motor and spindle, and means for imparting said lateral rectilinear movement to said casing, comprising a worm on said spindle, a worm wheel rotatably carried by said casing and adapted to be driven by said worm upon rotation of said spindle, a pair of different cams rotatably mounted on the casing and rotatable with said worm wheel and a laterally fixed pin carried by said guide way member selectively engageable with said cams, whereby rotation of the cams and engagement of one or the other thereof with said pin causes sliding movement of the casing and parts carried thereby relative to the pin and guide way member and holds work on said collet against the wheel for selectively variable periods, and means for actuating said collet to work clamping position, comprising a plate cam pivotally mounted on said casing, means for restraining pivotal movement of said plate cam during movement of said casing, a follower mounted on said casing and engageable with said plate cam, a thrust member engageable by said follower when actuated by said plate cam, a plunger mounted for sliding movement axially of said spindle and connected to said thrust member, said plunger being in thrust transmitting relation to said collet to actuate the latter, and means connecting said plate cam with said fixed guide way member, whereby movement of the casing to which the plate cam is pivoted causes actuation of said follower, thrust member, plunger, and collet.

2,203,004
AMPLIFYING APPARATUS
Julian M. West, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 5, 1938, Serial No. 206,134
9 Claims. (Cl. 250—27)



1. In a circuit having sharply peaked waves, the method of amplifying the sharply peaked waves which comprises applying fundamental waves to an amplifier, applying at the same time the sharply peaked waves to the amplifier, and controlling the phase of the sharply peaked waves until the peaks thereof are substantially equal to those of the fundamental waves and the peaks of both occur substantially in opposite phase relation.

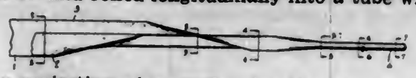
2,203,005
SEPARABLE FASTENER AND DETACHABLE END CONNECTING MEMBER THEREFOR
Erich Wittenberg, Berlin-Schoneberg, and Hermann Duchrow, Rathenow-on-the-Havel, Germany
Application January 7, 1938, Serial No. 183,858
In Czechoslovakia January 7, 1937
10 Claims. (Cl. 24—205)



10. A separable fastener comprising companion stringers, first and second connecting members secured to said companion stringers, respectively, a pin on said first connecting member, said second connecting member having a slot provided with relatively wide and narrow parts, said pin being insertable in said slot through said relatively wide part thereof and movable from the latter into said relatively narrow part of the slot for pivotally connecting said members to each other for movement about the axis of said pin toward and away from each other in edge to edge relation, and means on said connecting members, respectively, engageable with each other when said members are moved toward each other about the axis of said pin for releasably holding said pin in said relatively narrow part of the slot.

2,203,006
PAPER TUBE AND METHOD OF MAKING
Leonard A. Young, Detroit, Mich.
Application July 23, 1938, Serial No. 220,874
9 Claims. (Cl. 93—94)

1. A strut for garment hangers comprising a plurality of strips of paper disposed in superimposed relation and adhesively secured together with the edge of the outer strip projecting beyond the other, the superimposed strips being folded longitudinally and adhesively secured together and rolled longitudinally into a tube with



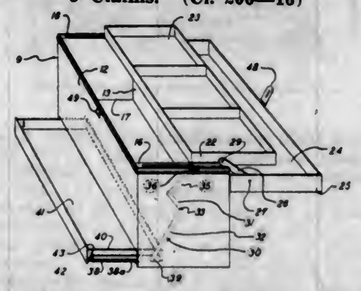
the projecting edge overlapping the joint of the tube.

2,203,007
CUSHION ASSEMBLY
Charles F. Bartel and William Carl Bartel, Royal Oak, Mich., assignors, by mesne assignments, to Calvin A. Hooker and I. Louis Carron, as trustees
Application May 7, 1938, Serial No. 206,598
3 Claims. (Cl. 155—180)



1. A cushion frame assembly comprising a spring cushion having an outer face and an inner face and side faces and provided upon its inner face with a channel frame member extending along the margin and having one side wall of its channel positioned to serve as an outer marginal wall and having the opposite side wall of its channel rolled over upon itself outwardly of the channel in the form of a tube, trim material stretched over said outer face and side faces and inturned over the outer marginal wall of the channel toward the opposite wall thereof, and hook members secured to the margin of said trim material and engaged over the rolled over tubular portion of the inner wall of the channel.

2,203,008
TOOL AND TACKLE BOX
Oscar G. Bauman, St. Louis, Mo.
Application October 13, 1938, Serial No. 234,750
3 Claims. (Cl. 206—16)

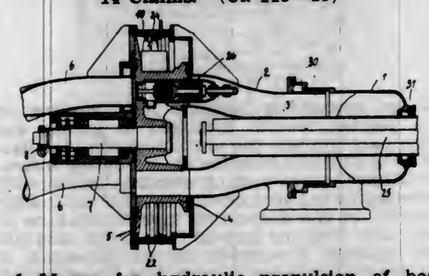


1. A box assembly embodying a rectangular casing open at top and having double ends and a double bottom enclosing a space opening forwardly, a drawer slidably mounted in the space of the double bottom and arranged to move horizontally outwardly and inwardly, a tray slidably anchored atop the box and arranged to move forwardly over the box to close the open top thereof, and to move horizontally rearward to open same, a dished cover hinged at one margin to the rear upper margin of the box and adapted to close over the top of the box and the tray and to open rearwardly to a horizontal position, and lever elements pivotally connecting the cover, tray and drawer to operate all in unison, projecting the drawer and retracting the tray as the cover is opened to its horizontal position, said action being reversed as the cover is closed, the said operating elements including links pivotally connected at their ends to the ends of the lid and tray, bell-crank levers pivoted through their fulcrums, within the double ends of the casing, and upper and lower links pivotally connected at one end to the ends of the bell-cranks, and at the other end to the ends of the upper tray and lower drawer respectively.

2,203,009
MANUFACTURE OF N-TERTIARY AMINO ACYCLIC CARBOXYLIC ACIDS AND THEIR SALTS
William Stansfield Calcott, Woodstown, Louis Spiegler, Woodbury, and John Marlin Tinker, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 26, 1937, Serial No. 161,022
14 Claims. (Cl. 260—534)

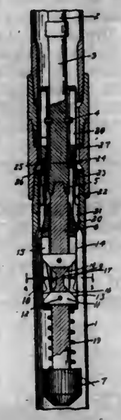
1. A process for the preparation of the sodium salt of N-dimethyl glycine which comprises reacting an undiluted anhydrous binary mixture of dimethyl amine and trimethyl amine with chloro-acetic acid at about −10° C., separating trimethyl amine which does not participate in the reaction from the dimethyl amine salts which are formed, reacting the dimethyl amine salts with an aqueous solution of sodium hydroxide to liberate dimethyl amine as a gas and form sodium chloride and the sodium salt of N-dimethyl glycine in water solution, evaporating this solution to dryness, and separating the sodium salt of N-dimethyl glycine from sodium chloride by treatment with 90% ethyl alcohol to eliminate insoluble sodium chloride.

2,203,010
HYDRAULIC PROPULSION OF SHIPS, BOATS, AND OTHER FLOATING STRUCTURES
Witold Diamand, Lwow, Poland
Application March 6, 1939, Serial No. 259,968
In Great Britain May 5, 1937
14 Claims. (Cl. 115—13)



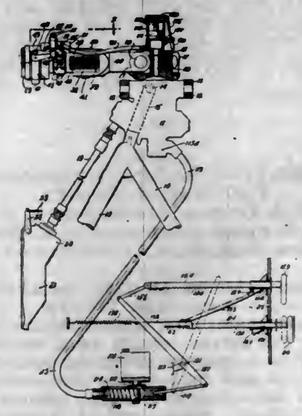
1. Means for hydraulic propulsion of boats through water which include an inlet pipe having the outer end open to the water outside the boat and an inner end inside the boat, a plurality of delivery pipes having outer ends open to the water outside the boat and inner ends inside the boat circularly arranged with reference to the inner end of the inlet pipe, means for introducing a gas into the delivery pipes and causing it to expand therein and a rotary device operating between the inner ends of the inlet and delivery pipes which connects the intake pipe with the delivery pipes and successively closes off the delivery pipes from the intake pipes during the moment of the expansion of the gas in each delivery pipe.

2,203,011
PIPE CUTTER
Guy P. Ellis and James T. Ellis, Lake Charles, La.
Application April 8, 1937, Serial No. 135,665
5 Claims. (Cl. 164—07)



1. In a pipe cutting device, a cutter support, means for anchoring said cutter support against upward movement in a pipe to be cut, expansible cutters mounted in said cutter support, an actuator member movable longitudinally with respect to said cutter support to cause expansion and contraction of said cutter blades, means slidably interconnecting said actuator and said cutter support whereby rotation of said actuator will cause rotation of said cutter support and said cutter, means on said actuator for releasably securing said anchoring means in inactive position, and means for normally urging said actuator in the direction with respect to said cutter support such as to cause contraction of said blades.

2,203,012
ROTARY-WINGED AIRCRAFT
Harris S. Campbell, Bryn Athyn, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application June 10, 1937, Serial No. 147,460
Renewed October 24, 1939
33 Claims. (Cl. 244—18)



1. In an aircraft, a sustaining rotor including

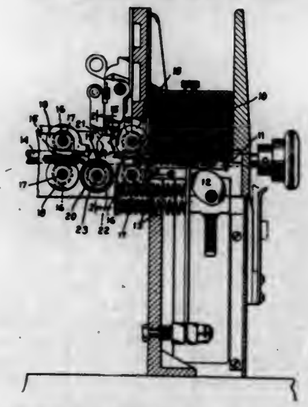
a hub, and a blade mounted thereon with freedom for pitch change movement substantially about its longitudinal axis between a position of substantially zero lift incidence and a position of appreciable positive lift incidence, disconnectible means for driving the rotor, means for setting the blade at substantially zero lift incidence during application of the drive, means operative under the influence of centrifugal force for moving the blade to a positive lift incidence position upon disconnection of the drive, and means for moving the blade to and maintaining the blade at a predetermined intermediate positive lift incidence position.

2,203,013

PERFORATED RECORD SENSING DEVICE

Eugene A. Ford, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application April 24, 1937, Serial No. 138,764
3 Claims. (Cl. 235—61.11)



1. A record card feeding and sensing device comprising a pair of feed rollers for advancing a record card in a straight line with a constant rate of motion, a contact roller having its surface tangent to the line of travel of the card, frictional means for constantly driving said contact roller at a peripheral speed greater than the speed of the advancing card, a contacting element engaging said roller, said feed rollers being arranged to feed the card between said element and said contact roller, at said constant rate of motion, whereby said card, upon entering between the element and contact roller, causes retardation of the roller against its frictional driving means.

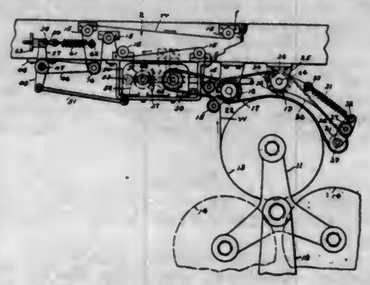
2,203,014

WEB ROLL CONTROLLING MECHANISM FOR PRINTING MACHINES

Raymond A. Freeman, Mount Vernon, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application February 15, 1935, Serial No. 6,711
9 Claims. (Cl. 242—75)

9. In a mechanism for controlling the rotation of a web roll by the tension on a web running therefrom to a machine operating upon the said web, drive means for rotating the web roll, including a variable speed device having an operating member, movement of which simultaneously varies the speed of the roll, and a floating roller running in a loop in the web and directly connected to the operating member,



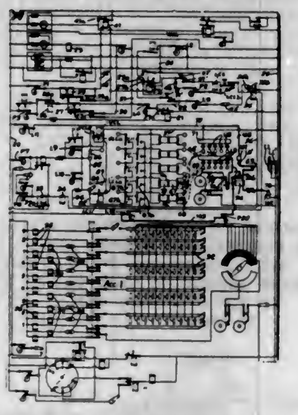
whereby the pull of the web supplies the power required to effect an adjustment of the variable speed mechanism.

2,203,015

ACCOUNTING MACHINE

William B. Gilson, Naugatuck, Conn., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application March 11, 1936, Serial No. 68,201
1 Claim. (Cl. 235—61.6)



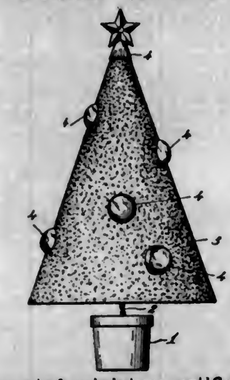
In an accounting machine for operating on data bearing records arranged in groups and which pass through the machine during tabulating cycles; the combination of accounting instrumentalities, record sensing elements and circuits controlled by the sensing elements for controlling operation of the accounting instrumentalities in accordance with the data on the records, said circuits including a common current connection to said sensing elements, a normally closed switch in said connection, a device for sensing a special designation of a record before any data on the record can be effectively sensed by the sensing elements, selectively operable means operable during the tabulating cycle in which the first record of a group passes through the machine for coacting with said sensing device, means for rendering the selectively operable means effective for coaction with the sensing device only during the latter tabulating cycle, and means operated by coaction of the selectively operable means with the sensing device during the latter cycle upon the device sensing a special perforation for opening said switch to prevent the formation of said circuits.

2,203,016

MINIATURE ARTIFICIAL CHRISTMAS TREE

Arthur W. Hahn, Jr., Little Neck, and Russell E. Hahn, Floral Park, Long Island, N. Y.

Application January 23, 1940, Serial No. 315,198
5 Claims. (Cl. 41—15)



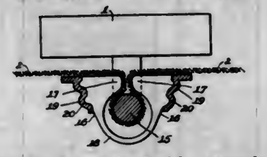
4. A decorated miniature artificial Christmas tree comprising a central twisted wire support, a myriad of bristles entwined in said wire support and radiating therefrom in cone-like formation simulating the approximately conical periphery of a symmetrical evergreen tree, and a plurality of miniature decorative open-end hollow-shaped ornaments disposed at the outer ends of the bristles, each of said ornaments enclosing the outer ends of a substantial number of bristles and in one direction protruding outwardly beyond the conical periphery of the bristles and in the other direction extending inwardly along said bristles a substantial distance towards said central support.

2,203,017

BUTTON FASTENER

Arthur Illsche, Rye, N. Y.

Application September 21, 1937, Serial No. 164,843
7 Claims. (Cl. 24—105)



1. A fastener for detachably securing an eyeletted button, ornament or other article to a fabric, comprising two engaging members one of which is provided with clamping jaws for engaging the eyelet of the button or the like through the fabric without puncturing or piercing the fabric, the last mentioned member being tapered to regulate engagement with the other fastener member according to the thickness of the fabric and having a surface formation with which the other member cooperates to close the clamping jaws and maintain them closed upon the fabric in the eyelet of the button or the like.

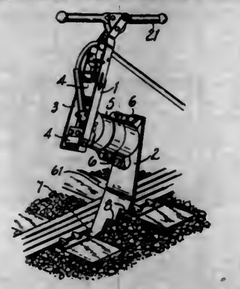
2,203,018

BALLAST WORKING IMPLEMENT

Corwill Jackson, Ludington, Mich.

Application June 21, 1939, Serial No. 280,294
10 Claims. (Cl. 104—13)

1. In a vibratory ballast working implement a flat relatively thin blade terminating at its forward end in a pointed digging member adapted to readily enter compacted or cemented ballast and being inclined rearwardly from said member on at least one side thereof, there being a plurality of stepped abutments on the inclined portion of the blade providing ballast tamping shoulders adapted to trap ballast against the blade and force the same forwardly.

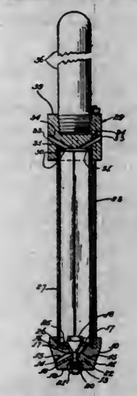


2,203,019

GAUGE

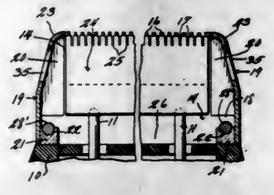
Roy A. Johnson and Oscar F. Johnson, Chicago, Ill.

Application June 14, 1939, Serial No. 279,095
2 Claims. (Cl. 137—18)



1. A gauge for determining whether there is any water in a given supply of gasoline in a tank, comprising a head, a cap, and a transparent tube extending between said head and said cap, said head having a recess in its upper portion, said cap having a recess in its lower portion, the lower end of said tube positioned in the recess in the upper portion of the head and the upper end of said tube positioned in the recess in the lower portion of said cap, said head having a plurality of downwardly and inwardly extending side portions, a flat bottom with an aperture leading upwardly through said head, a top portion having a seat, alternate side portions having therein liquid receiving channels leading diagonally upwardly and inwardly from the exterior of said side portions into said seat, a valve in said seat controlling the inner openings of said channels and having an actuating stem extending below said head, said cap having a plurality of side portions, and having therein air exit channels leading diagonally upwardly and outwardly through alternate side portions to the exterior thereof, and a handle removably attached to said cap.

2,203,020
HAIR CLIPPING AND SHAVING DEVICE
Ralph E. Jones, Grand Rapids, Mich.
Application April 1, 1937, Serial No. 134,439
12 Claims. (Cl. 30—43)



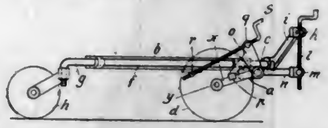
11. A hair clipper including a handle terminating in a pair of spaced walls defining a channel, a hollow cutting head disposed in said channel, a movable cutter mounted within the head, and means for detachably holding the hollow cutting head on the handle, comprising a member secured to said head and disposed in said channel and having a projecting lug in the channel, and a pin extending through said handle and channel transversely of said head and engaging said lug, the head being open on its lower face confronting the handle to permit the removal of the cutter through said opening when the cutting head is removed from the handle.

2,203,021
MECHANICAL SHAVING OR HAIR CLIPPING DEVICE
Ralph E. Jones, Grand Rapids, Mich.
Application September 7, 1937, Serial No. 162,575
22 Claims. (Cl. 30—43)



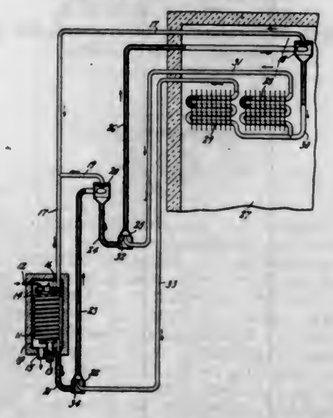
1. In an apparatus of the class described, the combination of a handle, a head chambered to receive a reciprocating cutter, said head having curved bead-like portions on each side at its outer end and a flat end face between said curved side portions, the curvature of said curved side portions merging into the face, the face having a plurality of transverse slits which extend into the curved side portions providing spaced combined guard and shear bars, head members constituting closures for the cutter chamber of the head and having curved outer ends comprising curved side portions complementing the curved side portions of said head and curved end portions merging therewith and with the face of the head, said head having vertical side grooves and said head end members having inwardly projecting flange-like lugs at their lower ends engageable with said grooves, at least one of the lugs of each head end member being inclined to provide a camming retaining action, said end members having inwardly projecting lugs at their outer ends engaging within the head member, and a cutter within said head operatively associated with said shear bars thereof.

2,203,022
OPERATING POSITION ADJUSTMENT FOR HARVESTING MACHINES
Heinrich Kamplade, Mannheim, Germany, assignor to Heinrich Lanz, Aktiengesellschaft, Mannheim, Germany
Application February 11, 1938, Serial No. 189,922
In Germany March 8, 1937
18 Claims. (Cl. 97—103)



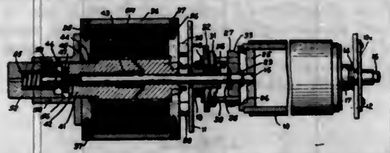
1. A farming machine having a frame, a support wheel and running wheels, a cranked member connected with said support wheel, a cranked axle connected with said running wheels, said member and axle being individually movably connected with said frame, arm members individually connected with said cranked member and axle, a nut member movably connected to each of said arm members, and a threaded spindle extending through both said nut members, whereby upon rotation of said spindle the relative position of said arm members and the operating position of said frame is changed.

2,203,023
REFRIGERATION
Walter A. Kuenzli, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application November 17, 1938, Serial No. 240,893
3 Claims. (Cl. 62—125)



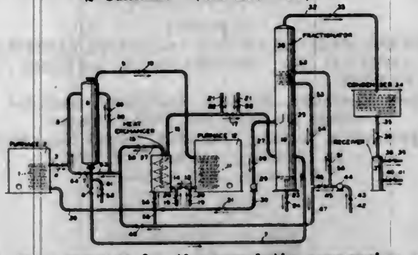
1. A heat transfer system including a closed circuit for volatile fluid having a plurality of places of evaporation, a place of condensation at a level below said places of evaporation, and means for raising liquid from said place of condensation upward to said places of evaporation, said means utilizing vapor from one of said places of evaporation for raising liquid part of the way and vapor from another of said places of evaporation for raising liquid another part of the way.

2,203,024
PAPER FEEDING DEVICE
William L. Lewis, Binghamton, and Victor O. Wilkerson, Vestal Gardens, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 24, 1938, Serial No. 231,456
12 Claims. (Cl. 197—127)



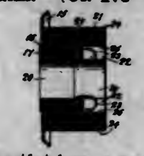
1. In a machine of the class described, a platen for feeding record sheets, a shaft upon which said platen is supported, a clutch member on said platen, a line spacing wheel loosely mounted on said platen shaft for turning said platen, a clutch disk keyed to said wheel but slidable relative thereto to engage said member, a solenoid, a plunger in said solenoid, a connecting means between said plunger and said disk for moving said disk to engage said clutch member whereby the platen may be driven by said line spacing wheel when the solenoid is energized, and means for energizing said solenoid.

2,203,025
CONVERSION OF HYDROCARBON OILS
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 31, 1938, Serial No. 187,825
2 Claims. (Cl. 196—60)



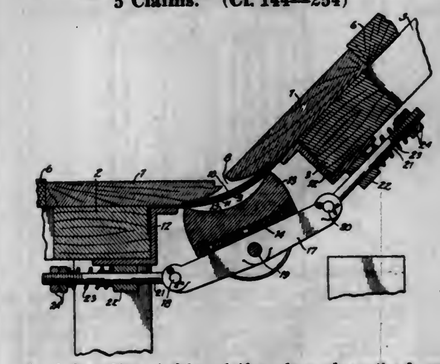
1. In a process for the pyrolytic conversion of hydrocarbon oils wherein reflux condensate, formed within the system as hereinafter described, is heated to cracking temperature at superatmospheric pressure, the resulting heated products commingled with hydrocarbon oil charging stock for the process, the commingled materials appreciably cracked at the attained temperature of the mixture and at substantial superatmospheric pressure in an enlarged reaction zone and the resultant vapors and liquid conversion products separately removed from said enlarged reaction zone, the improvement which comprises supplying residual liquid removed from said reaction zone to a zone of substantially reduced pressure and therein flash distilling the same, separately heating said vapors removed from the reaction zone to a high cracking temperature, cooling the resulting hot conversion products to a sufficiently low temperature to prevent any excessive continued cracking thereof, introducing the cooled products into said zone of substantially reduced pressure, separating vapors and non-vaporous residue in said zone of substantially reduced pressure, fractionating the last named vapors to form said reflux condensate, which is returned to the first mentioned cracking operation, condensing fractionated vapors of the desired end-boiling point, recovering the resulting distillate and preheating said charging stock to a temperature below that at which any substantial cracking thereof will occur prior to commingling the same with the heated products of the first mentioned cracking operation, said preheating including the step of passing regulated quantities of said charging stock in indirect heat exchange with relatively hot products of the cracking step to which said vapors from the reaction zone are supplied, whereby to accomplish at least a portion of said cooling of the hot conversion products.

2,203,026
ELECTRIC OUTLET BOX
Ferdinand Mueller, New York, N. Y.
Application October 20, 1938, Serial No. 235,939
1 Claim. (Cl. 173—330)



In an electric outlet box, a wall receptacle comprising a pair of elongated rectangular blocks of substantially equal size and made of non-conductive material secured in juxtaposed inner and outer relation and recessed midway the length of their opposite longer side edges, flat terminals fixed in the bottoms of the side recesses of the inner block, a cover extending over the face of the outer block, said cover having openings through which portions of the faces of said outer block extend, spaced sockets in said blocks receptive of conductor plugs, curled flat spring conductors fixed on the juxtaposed face of the inner block normally extending partially into said sockets to contact an entered plug, and transversely disposed bow springs held between said blocks to reenforce said spring conductors, said conductors contacting said terminals upon the entrance of plugs in said sockets.

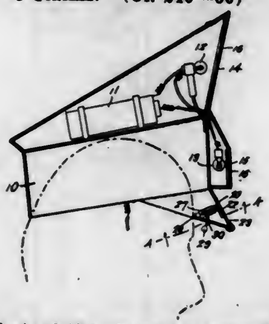
2,203,027
BENDING TABLE
Rudolph F. Onsrud, Chicago, Ill., assignor to Onsrud Machine Works, Inc., Chicago, Ill., a corporation of Illinois
Application April 7, 1938, Serial No. 200,597
5 Claims. (Cl. 144—254)



1. A bending table of the class described, pro-

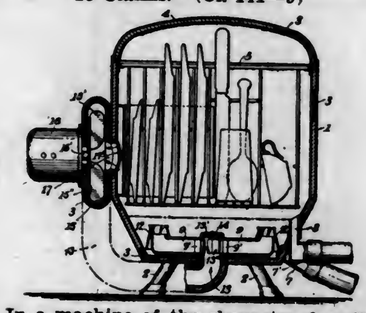
vided with a two-part support for flat material, one part of which support is free to hinge relatively to the other part of the support, a hinge connection between the two parts of the support consisting of a flexible metal plate, a heat and pressure applying block having a concave surface for engaging said plate, and a mounting for said block extending between the stationary and hinged portions of the bending table arranged to press the block against the plate according to the angular position of the hinged portion of the support with reference to the stationary portion of the support.

2,203,028
ILLUMINATED HAT
Louis W. Parrillo, New York, N. Y.
Application May 16, 1938, Serial No. 208,257
5 Claims. (Cl. 240—60)



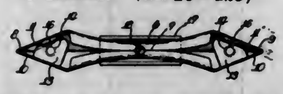
1. In a hat of the character described, a hat body, an electric circuit including an electric lamp contained within the hat body, a source of current supply and a switch device having a pair of normally spaced contact elements, one of said contact elements having a control button adapted to seat against the forehead of the wearer and said control button being movable by the wrinkling of the forehead to engage the pair of contact elements to thereby close the electrical circuit with the lamp and source of current supply.

2,203,029
DISHWASHING MACHINE
Morris Norton Partridge, East Orange, N. J.
Application November 20, 1935, Serial No. 50,622
15 Claims. (Cl. 141—9)



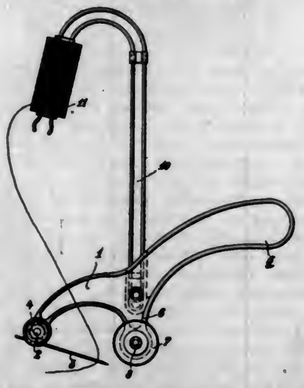
1. In a machine of the character described, a tub, a movable closure therefor to permit access to the tub chamber, means to support articles to be cleansed in said tub and spaced above the bottom thereof, an air driven hollow sprayer rotatably supported in the tub in the space below such articles, a plurality of eccentrically located sprayer nozzles thereon with air passages leading thereto, a power driven air pump, air duct means from the upper portion of said tub to said pump and from said pump to the air passages in said hollow sprayer, a heater for the air in said duct means, means within the nozzles to cause a plurality of columns of said air to be whirled upwardly in said tub from said nozzles, a port for admitting water into the tub, and an outlet port above said nozzles and below the articles to be cleansed.

2,203,030
HANDLE FOR DRAWERS AND THE LIKE
Henry L. Pehrson, Rockford, Ill., assignor to Turner Brass Works, Sycamore, Ill., a corporation of Illinois
Application February 17, 1940, Serial No. 319,509
6 Claims. (Cl. 16—125)



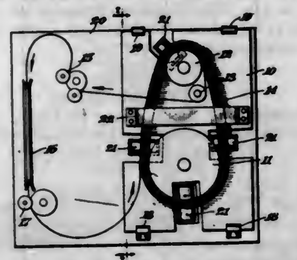
1. A handle of the character described formed from sheet metal into a somewhat tubular member of triangular section and curved to provide end portions adapted to be secured against a drawer front, a lug bent inwardly from one side of each end and each provided with a threaded opening for receiving an attaching screw and a second lug struck inwardly from another side of each end into a position to underlie the free end of the first lug.

2,203,031
MEANS FOR DRAWING IN LOOSE LOOPS OF THREAD IN SUPERPOSED LAYERS OF FABRIC
Josef Sedlmair, Munich, Germany, assignor to Adolf Rosenberger, Paris, France
Application January 15, 1938, Serial No. 185,098
In Germany January 19, 1937
5 Claims. (Cl. 112—169)



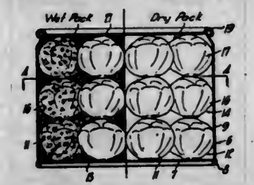
1. A stitching appliance comprising an integral member having a handle portion at one end and a needle holder at its other end, a depending foot intermediate said ends, and a needle in said holder directed towards said depending foot, whereby said needle may be inserted and withdrawn into and from a work piece upon oscillation of said appliance about said foot.

2,203,032
ENDLESS LOOP FILM MAGAZINE
John L. Spence, Jr., Brooklyn, N. Y., assignor to Leventhal Patents, Inc., New York, N. Y., a corporation of Delaware
Application August 18, 1939, Serial No. 290,772
4 Claims. (Cl. 88—18.7)



1. In combination with a motion picture projector having a plurality of rollers journalled in a wall thereof in predetermined relation to each other and having their curved surfaces projecting beyond the surface of said wall, a plate, means for attaching said plate to said projector in contact with said wall, rollers journalled in said plate perpendicular to the aforementioned rollers and being adapted to support an endless loop of film, said plate having openings through which the first mentioned rollers project sufficiently to contact the edge of the film loop supported by the last-mentioned rollers.

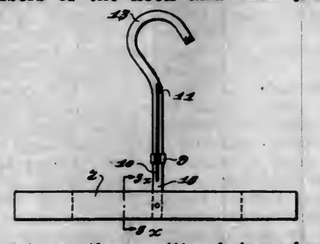
2,203,033
LETTUCE PACK AND METHOD OF PACKING LETTUCE
Ellis H. Spiegl, Salinas, Calif.
Application December 19, 1938, Serial No. 246,661
5 Claims. (Cl. 99—193)



1. A lettuce pack comprising a circular-cylindrical watertight container fabricated of material having a high thermal conductivity, a plurality of heads of lettuce packed in layers within said container with a majority of said heads in thermal contact with said container, crushed water-ice filling the interstices within said container between said heads of lettuce, and a closure for maintaining said heads of lettuce in packed relationship within said container.

2,203,034
HANGER FOR TROUSERS
Harry Stec, Rochester, N. Y.
Application May 2, 1938, Serial No. 205,415
1 Claim. (Cl. 223—96)

The combination of a pair of parallel jaws, a hook having two members for supporting the jaws, each of said members engaging one of the jaws, a strap fastened to one member of the hook and loosely embracing the other member of the hook, an eccentric pivotally mounted between the two free ends of said strap, said eccentric bearing against the other member of said hook and being adapted when in one position to hold the two members of the hook and their jaws together and in another position being adapted to release the jaws and the members of the hook.

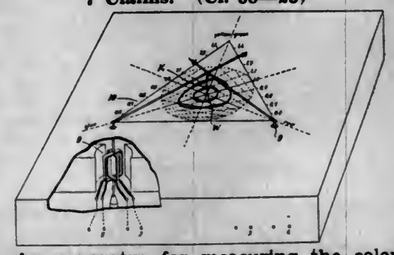


2,203,035
TUBULAR MAGAZINE FIREARM
Carl G. Swebilius, Hamden, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware
Application July 30, 1938, Serial No. 222,099
8 Claims. (Cl. 42—6)



2. A tubular-magazine firearm including in combination: a stock provided with a magazine-receiving passage opening through its rear end; a tubular magazine-retaining member secured in the magazine-receiving passage in the said stock and provided at its rear end with a plurality of rearwardly-extending clamping-fingers; a tubular magazine located in the magazine-receiving passage in the said stock and extending through the said tubular magazine-retaining member therein; and clamping-means forcing the clamping-fingers at the rear of the said tubular magazine-retaining member against the exterior surface of the said tubular magazine to retain the same in axially-adjusted position.

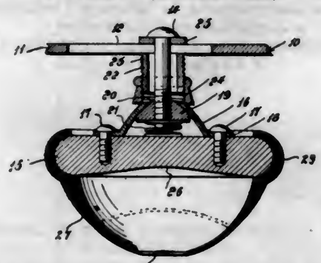
2,203,036
APPARATUS FOR MEASURING THE COLOR OF LIGHT
Karl van Briessen and John Eggert, Leipzig, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application December 3, 1938, Serial No. 243,885
In Germany December 4, 1937
7 Claims. (Cl. 88—23)



1. An apparatus for measuring the color of light of a source of light which comprises a member having a color triangle described thereon, two pointer meters each adapted to measure

the quotient of the intensities of two electric currents, the axes of the turning systems of said quotient meters being at corners of said color triangle, the pointers of said quotient meters intersecting at the center of gravity of said triangle if the quotient of the intensities of the two electric currents is 1 in the case of each meter and at least three photocells sensitive to three different ranges of the spectrum respectively and receiving light from said source of light, each of said quotient meters being connected with two of said photocells, one of said quotient meters being affected by two of said spectral components and the other quotient meter by one of said two components and the third component.

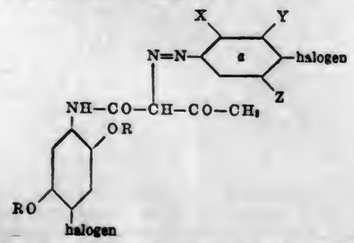
2,203,037
TRUSS
William P. Walter, Massillon, Ohio
Application August 24, 1938, Serial No. 226,527
2 Claims. (Cl. 128—122)



1. In a truss, an elongated rigid frame bar, a cup-shaped pad carrier member, a bolt engaging through said bar and having an end portion thereof disposed within said cup-shaped member, a nut threaded onto said bolt and engaging within the concave side of said cup-shaped member, and means engaging the convex side of said cup-shaped member and said bar and engaging about said bolt to lock said member in angularly adjusted position relative to said bar while holding said member in adjusted spaced relation to said bar.

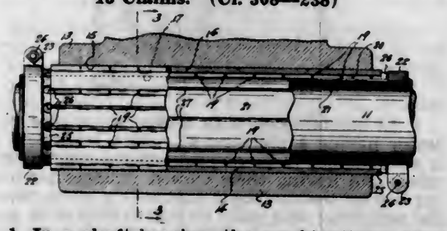
2,203,038
WATER-INSOLUBLE AZO DYESTUFFS AND FIBER DYED THEREWITH
Arthur Zitscher, Kronberg in Taunus, Robert Schmitt, Darmstadt, and Herbert Kracker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application November 21, 1938, Serial No. 241,692. In Germany September 11, 1934
8 Claims. (Cl. 260—193)

1. The water-insoluble azo dyestuffs of the following general formula:



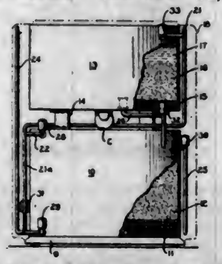
wherein R represents a member of the group consisting of methyl and ethyl, X stands for one of the group consisting of chlorine, methyl, methoxy and ethoxy, Y for one of the group consisting of hydrogen and methyl and Z for one of the group consisting of hydrogen and chlorine, the benzene nucleus a always containing one methyl group and two halogen atoms, yielding, when produced on the fiber, yellow dyeings of good fastness properties, particularly of very good fastness to soaping and to light.

2,203,039
SHAFT BEARING
Evender S. Aker, Long Branch, N. J.
Application September 21, 1939, Serial No. 295,883
13 Claims. (Cl. 308—238)



1. In a shaft bearing, the combination with a housing block of a non-rotatable bushing body mounted therein, the body having a plurality of longitudinal water channels circumferentially spaced about the bore thereof and open at their ends and also having openings through its wall communicating with the channels, and a non-metallic journal sleeve secured to said shaft to rotate therewith and in contact with the bore surface of the bushing body.

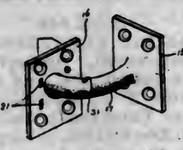
2,203,040
MEANS FOR PURIFYING WATER
Rex Earl Bassett, Jr., South Bend, Ind.
Application May 29, 1937, Serial No. 145,544
9 Claims. (Cl. 210—24)



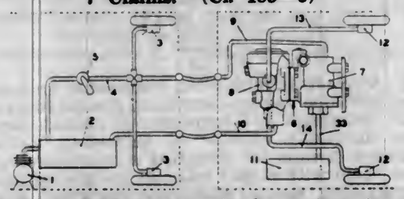
1. In apparatus of the class described, wherein softening and regenerating solution tanks are operatively connected by a flow system, the combination therewith of electrically actuated valves for controlling the flow through said system, and means for automatically controlling said valves, said means including a continuously operating motor, a plurality of cams continuously actuated by said motor, means including a one-way drive connection interposed between said motor and cams for driving the latter at one speed, and means including an interrupted gear interposed between said motor and cams for driving the latter at a different speed.

2,203,041
CONCEALED HINGE
William Bobek, Detroit, Mich.
Application January 24, 1938, Serial No. 186,553
13 Claims. (Cl. 16—178)

12. In a hinge adapted swingingly to connect a door to a door frame, the combination with two members adapted to be secured to the opposite edges of the door and door frame; of an arcuate tubular element carried by one member and an interfitting arcuate rod element carried by the other member and slidably journaled in said tubular element for causing said door to swing about an axis as a center and means for connecting said rod element to the carrying member therefor for causing the door to swing about a second axis as a center, both of said axes being disposed substantial distances outside the confines of said arcuate rod element.

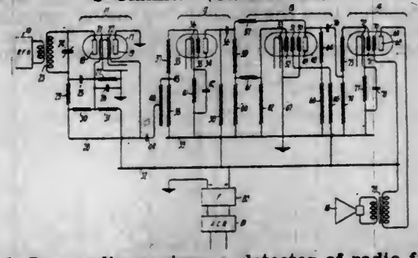


2,203,042
VALVE MECHANISM FOR FLUID PRESSURE SYSTEMS
Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 17, 1938, Serial No. 230,412
7 Claims. (Cl. 188—3)



1. In a fluid pressure brake system for the trailer of a tractor-trailer vehicle, the combination with the tractor brake application line, the emergency line, the trailer reservoir and the trailer brake applying power cylinder, of a combined relay valve mechanism and an emergency valve mechanism on the trailer for controlling the trailer brakes, said relay valve mechanism being embodied in a casing having a flat surface and comprising a valve element controlled by the fluid pressure in the application line for connecting the trailer reservoir to the trailer power cylinder, said emergency valve mechanism being embodied in a second casing provided with a flat surface for cooperation with the flat surface of the first casing and comprising a valve under the control of the fluid pressure in the emergency line for selectively connecting the reservoir to the power cylinder through the relay valve mechanism or directly to the power cylinder, each of said valve casings having two passages which extend to its flat surface, the passages being so arranged that each passage in one casing will communicate with another passage in the other casing, means for removably securing the casings together with the flat surfaces in cooperative relation, said valve casings also being provided with other conduits leading to the surfaces other than the flat surfaces, and removable means for closing said conduits when the casings are connected together, said valve mechanisms being capable of independent use by disconnecting the casings at their flat surfaces, closing the said passages which extend to the flat surfaces by the application of the sealing plates to the said flat surfaces and connecting the closed conduits to certain conduits of the brake system.

2,203,043
RADIO RECEIVER
Elmer L. Brown, San Francisco, Calif., assignor to Joseph B. Smith, San Francisco, Calif., as trustee
Application February 28, 1938, Serial No. 193,112
3 Claims. (Cl. 250—20)

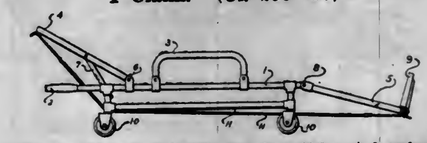


1. In a radio receiver, a detector of radio frequency signals, an audio frequency amplifier, said amplifier including an electron relay having anode, grid and cathode elements, and means forming a noise suppressing resistance coupling between the output of the detector and the input of the amplifier, said means including a pair of grid resistors connected in series between the grid and ground, a biasing resistor connected between the cathode and ground, the first mentioned pair of resistors being of equal values, and a connection to the mid-point between the resistors from the output of the detector, for applying potentials from the detector to the amplifier.

2,203,044
LUBRICANT
Thomas J. Brown, Cohoes, N. Y.
No Drawing. Application January 11, 1939, Serial No. 250,420
6 Claims. (Cl. 87—9)

1. A lubricant comprising a mineral lubricating oil and 2% to 10% of para-cymene to lower the pour point of the oil.

2,203,045
HANDLING DEVICE FOR INVALID COTS
Fred A. Buntin, Clarendon, Tex.
Application August 3, 1937, Serial No. 157,077
1 Claim. (Cl. 296—20)

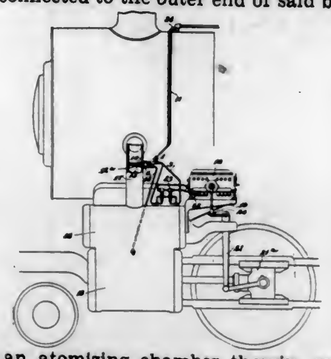


In combination with an invalid cot having a frame, a set of casters and a pair of cross members forming a part of the said frame, elastic bands attached to each of the said cross members and positioned so that each will extend beneath the opposing cross members, straps having handles at the outer ends thereof, and eye-bolts secured to each end of the said frame slidably embracing and guiding the said straps in operation.

2,203,046
LUBRICANT ATOMIZER AND HEATER FOR FORCE FEED LUBRICATORS
James Clarence Burford, Winston-Salem, N. C.
Application April 14, 1939, Serial No. 267,826
2 Claims. (Cl. 184—55)

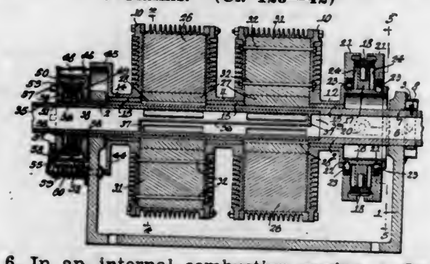
1. A lubricator for engine cylinders and the

like, comprising: a bushing for mounting in a steam conveying conduit, a coil of tubing connected to the inner end of said bushing and projecting longitudinally therefrom and within the diameter of the bushing for inserting and laterally extending the same within said conduit to heat the fluid passing through the coil before discharge into the conduit, the tubing communicating with a passage through the bushing, a nozzle connected to the outer end of said bushing



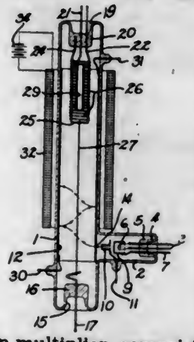
having an atomizing chamber therein, one end thereof in communication with the passage through the bushing and at an opposite end with a lubricant supply conduit, and a steam supply passage in said nozzle communicating with said atomizing chamber and at an angle thereto and in communication with a steam supply source for dispersing the lubricant in said chamber and forcibly dispensing the same through said coil of tubing and into the steam conduit.

2,203,047
ROTARY ENGINE
Walton W. Cushman, Webb City, Mo.
Application January 6, 1939, Serial No. 249,646
7 Claims. (Cl. 123—42)



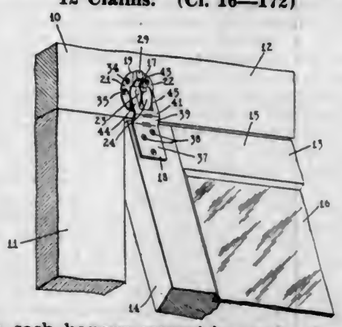
6. In an internal combustion engine, a fixed tubular support, a drum mounted for rocking oscillation on the support and having an internal piston wing, an abutment carried by the support and extended into the drum, the piston wing cooperating with the abutment to form chambers in the drum, on each side of the abutment, a rotary valve journaled in the support and controlling the admission of fuel to each chamber and the exit of exhaust from each chamber, means for taking power from the drum, and mechanism for imparting rotary movement in one direction to the valve, said mechanism embodying gear members, one of which is fixed to the valve, the other of which is rotatable with respect to the support, a fixed pinion carrier between the gear members, and a pinion meshing with the gear members, the pinion being journaled on the pinion carrier for rotation about an axis substantially at right angles to the axis of rotation of the valve, and oppositely-operating pawl and ratchet mechanisms forming working connections between a part of the drum and the gear members.

2,203,048
SHIELDED ANODE ELECTRON MULTIPLIER
Philo T. Farnsworth, Springfield Township, Montgomery County, Pa., and Richard L. Snyder, Glassboro, N. J., assignors, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application June 13, 1938, Serial No. 213,334
4 Claims. (Cl. 250—174)



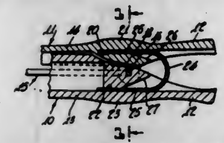
1. An electron multiplier, comprising an evacuated envelope having therein an elongated hollow high resistance and homogenous cathode structure internally capable of secondary electron emission, means for directing a modulated electron beam within said cathode, a high resistance accelerating anode positioned centrally within said cathode, a collecting anode shield connected to said accelerating anode, a collecting anode disposed within said shield, and a lead sealed through said envelope to each end of said cathode surface.

2,203,049
SASH HANGER
Chester O. Goserud, St. Paul, Minn.
Application March 2, 1939, Serial No. 259,359
12 Claims. (Cl. 16—172)



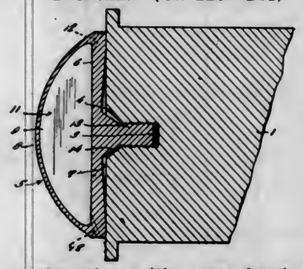
1. A sash hanger comprising a fixed member having two hooks yieldingly held in spaced relation and formed with crotches and a pivoted member formed with shoulders adapted to engage said hooks in the crotches thereof, and with lateral portions adapted to engage said hooks on opposite sides thereof and to urge the same toward one another.

2,203,050
HAIR CURLER
Philip J. Graham, Worcester, Mass., assignor to Delamere Company, Inc., Jersey City, N. J., a corporation of Delaware
Application July 12, 1939, Serial No. 283,975
3 Claims. (Cl. 132—41)



1. In a hair curler of the type described, a pair of cooperating members of molded plastic material pivotally connected together, each having a handle portion protruding rearwardly of the pivot, a U-shaped spring having its arms extending forwardly into recesses in the interior of the cooperating members above and below the pivot, the lower inner wall of the entrance to the upper recess and the upper inner wall of the entrance to the lower recess being inclined rearwardly toward each other.

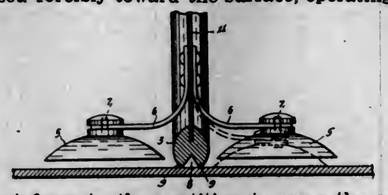
2,203,051
HEAT DETECTOR
Roscoe Bartlett Green, Peoria, and Alfred V. Pennington, East Peoria, Ill.
Application May 4, 1938, Serial No. 206,096
1 Claim. (Cl. 116—114)



The combination with a mechanical element that is subjected to heat, said element having a threaded socket therein, of a container for the reception of a gas generating medium, said container including a plate having a substantially concave face, said container having a plurality of discharge ports therein adjacent the marginal portions of said plate, fusible elements closing the discharge ports, and a shank projecting from the concave face of the plate and threaded into the socket, said shank constituting means for mounting the container on the mechanical element and for pressing only the marginal portions of the plate thereagainst.

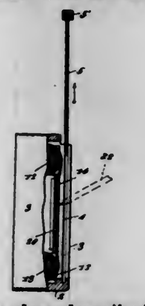
2,203,052
PARTITION FOR SINKS
Frederick A. Hanson, Los Angeles, Calif.
Application March 11, 1939, Serial No. 261,244
7 Claims. (Cl. 4—183)

1. A removable sink partition having a body of a form approximating the inner cross-section of the sink, compressible sealing means for effecting a substantially water-tight seal for the edge of the body adjacent the surface of the sink, a bracket attached to the body and projecting laterally therefrom, and a vacuum cup carried by said bracket for engaging and clinging to the said surface, said bracket, after the cup has been pressed forcibly toward the surface, operating to



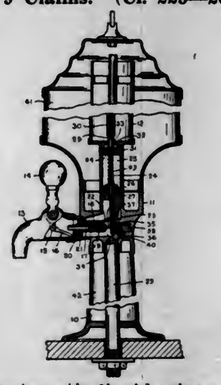
impart force to the partition to press the sealing means against the surface.

2,203,053
RECIPE AND MENU CABINET
Joseph E. Hines, Kensington, Md.
Application September 7, 1939, Serial No. 293,837
2 Claims. (Cl. 40—86)



2. A device of the class described comprising a frame, bearing blocks mounted in the frame, rollers journaled in the bearing blocks, cleats carried by the side bars of the frame, resilient strips having their ends bearing upon the bearing blocks and engaged intermediate their ends with the cleats, and a recipe bearing web windable from one roller to the other.

2,203,054
AUTOMATIC MIXER AND DISPENSER OF CARBONATED AND NONCARBONATED DRINKS
Michael Joseph Holmes, Windsor, Ontario, Canada
Application August 8, 1938, Serial No. 223,747
9 Claims. (Cl. 225—26)



1. In an automatic liquid mixer and dispenser as described comprising a support standard, a

valve casing mounted thereon, an upper liquid container supported on said valve casing, a mixing chamber constructed in said valve casing, conduit means in said standard adapted to be connected to carbonated or non-carbonated water container, conduit means leading from said upper containers to said mixing chamber, an outlet faucet formed on said mixing chamber, an operating handle pivoted thereon and a reciprocating valve actuating means operated by said handle to control the flow of liquids to said mixing chamber.

2,203,055

FIRE ALARM AEROTUBE APPARATUS

William J. Kleinknecht, Garden City, N. Y., assignor to American District Telegraph Company, Inc., Jersey City, N. J., a corporation of New Jersey

Application June 30, 1938, Serial No. 216,671
9 Claims. (Cl. 297—3)



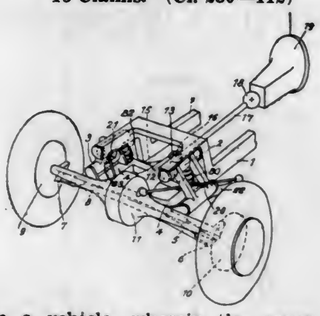
7. A fire-alarm initiating means comprising a substantially flat base adapted to be secured to a wall or ceiling; a helically wound coil of aerotube having closely spaced windings, and having its axis substantially annularly disposed parallel to said base, the windings being substantially all offset from the base on one side thereof; and means for holding the coil on the base.

2,203,056

SUSPENSION OF VEHICLES

Joachim Kolbe, Hanover, Germany

Application July 6, 1937, Serial No. 152,165
In Germany July 7, 1936
15 Claims. (Cl. 280—112)



1. In a vehicle, wherein the upper body is adapted to assume an inclined banking position when traveling over curved roads, a rigid axle, a body above the axle, and means connecting the body to the axle including an axle frame, links connecting the body to the axle frame and an articulated element and a resilient element connecting the axle frame to the rigid axle.

2,203,057

PEN RELEASE MECHANISM

Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 8, 1938, Serial No. 194,583
12 Claims. (Cl. 74—470)



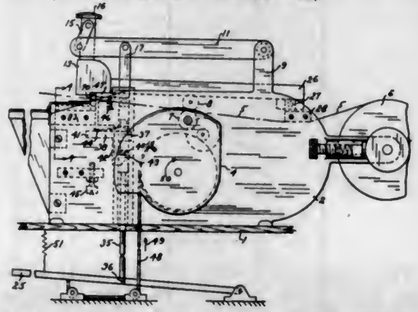
1. In an instrument of the class described, an element movable in accordance with variations in a condition, a second element, resilient means connecting said elements for movement, one with the other, comprising a resilient part acting on both elements, and a second resilient part acting on one element in opposition to the first resilient part.

2,203,058

MEANS FOR WRAPPING PACKAGES

Ernst A. Nordberg, Sharon, Mass., assignor to Bandaway Inc., Boston, Mass.

Application March 9, 1938, Serial No. 194,910
3 Claims. (Cl. 93—93)



1. A machine of the type described comprising in combination a strip serving device and a stapling device having a stapling head, means pivoting said stapling device at the end away from the stapling head, a foot treadle for pulling the stapling head down for stapling the strip served, means normally connecting the treadle to said head, said means comprising means attached to said head having a vertically sliding bar, a pivoted latch mechanism attached to said sliding bar, a cross bar attached to said treadle normally engaging said pivoted latch, means operative upon drawing the treadle down for releasing the cross bar from said latch and thereby releasing said stapling head and means operatively connecting said strip serving device with said treadle for advancing the strip from the strip serving device upon the release of the treadle.

2,203,059

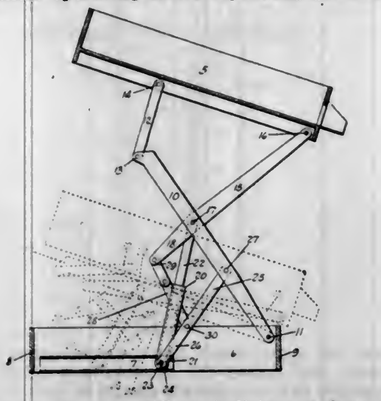
BODY ELEVATING MECHANISM FOR DUMPING WAGONS OR THE LIKE

Henry S. Palm, Reading, Pa.

Application February 17, 1939, Serial No. 256,890
3 Claims. (Cl. 298—11)

1. The combination with an elevating body

and a supporting frame provided with a horizontal guide-way, of a main elevating arm pivotally connected to the rear portion of said frame and in lifting engagement with the forward portion of the body, a supplemental elevating arm for the rear portion of the body intermediately pivoted to said main arm, and primary and supplemental operating levers separately pivoted to



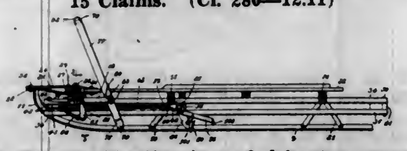
said main arm at different distances from the frame connection thereof and having their free ends separately and jointly movable in said frame guide-way; said primary lever being operable upon said main elevating arm to lift the forward portion of the body only, and said supplemental lever being linked to said supplemental arm so as to operate both arms for joint front and rear elevating of the body.

2,203,060

SLED

Jay S. Ruffner, Freeport, Ill.

Application February 8, 1938, Serial No. 189,378
15 Claims. (Cl. 280—12.11)



1. The combination in a sled having runners, of a guideway extending longitudinally of the sled, a relatively short carriage member manually reciprocable on said guideway through a major portion of the length thereof in a driving and a return stroke, a leg depending from said carriage for free rotation to drag freely along the ground on the return stroke of the carriage and to engage and enter into the ground to establish driving connection therewith in response to change in angularity thereof upon movement of the carriage rearwardly in a driving stroke.

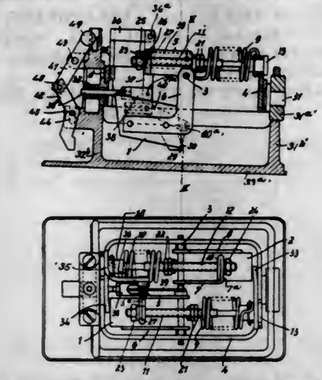
2,203,061

APPARATUS RESPONSIVE TO ACCELERATIONS

Erich Schmettow, Berlin-Staaken, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application May 31, 1938, Serial No. 211,093
In Germany August 29, 1936
6 Claims. (Cl. 264—1)

1. In an acceleration responsive device, a pair of masses, means pendulously mounting said masses for free oscillation about a chosen axis, a reciprocable motion transmitting member, and means for transmitting the movement of both of said masses under the influence of acceleration



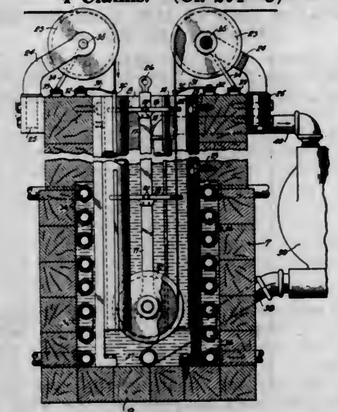
to said member comprising a link pivotally connected to each of said masses respectively, a pivoted member connected to said reciprocable member, pins on said pivoted member and forked ends on said pivoted links cooperating with said pins.

2,203,062

APPARATUS FOR ELECTROPLATING WIRE OR THE LIKE

Julian L. Schueler, Kokomo, Ind., assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana

Application March 27, 1937, Serial No. 133,392
4 Claims. (Cl. 204—5)



4. In a wire plating apparatus the combination of a tank for electrolyte, a vertically removable hanger suspended within the tank and provided at its lower end with a sheave adapted to have the wire passed around it, a pair of vertically arranged substantially parallel anodes fixedly supported within the tank on opposite sides of the hanger, each of split tubular formation and having its gap presented inwardly toward the hanger to afford clearance on each side for the entrance of the periphery of the sheave within the interior of the tubular anodes and to permit the hanger and sheave to be lifted vertically through the anodes and means above the upper ends of the respective anodes to guide the

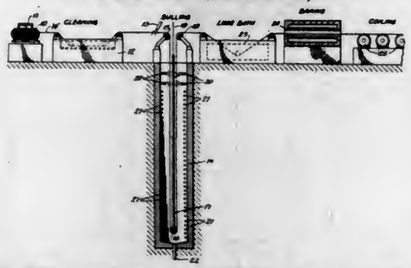
wire downwardly through one of the anodes and around the sheave and upwardly through the other anode.

2,203,063

METHOD OF TREATING AND COILING WIRE

Julian L. Schueler, Kokomo, Ind., assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana

Application April 18, 1938, Serial No. 202,715
3 Claims. (Cl. 148—7)



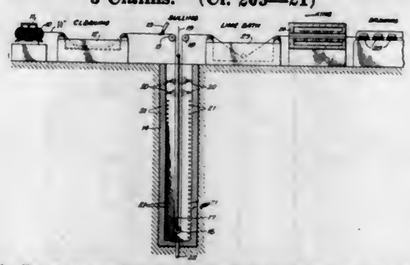
1. The continuous methed of successively treating portions of a strand of iron or steel wire comprising removing scale from the wire, causing a portion of said wire to travel in a loop while sulling the wire to produce a rust coating thereon, coating the wire with lime, and baking the lime, the wire traveling continuously.

2,203,064

METHOD OF AND APPARATUS FOR TREATING AND DRAWING WIRE

Julian L. Schueler, Kokomo, Ind., assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana

Application April 18, 1938, Serial No. 202,716
3 Claims. (Cl. 205—21)



1. In apparatus for continuously treating and drawing a strand of wire, means for removing scale from the wire, means for sulling the wire including a deep well through which the wire passes, means for heating the well interior, means in the well for spraying the wire, means for varying the length of travel of the strand of wire in the well, means for coating the wire with a chemical, means for baking the wire, and means for continuously drawing the wire to smaller gauge.

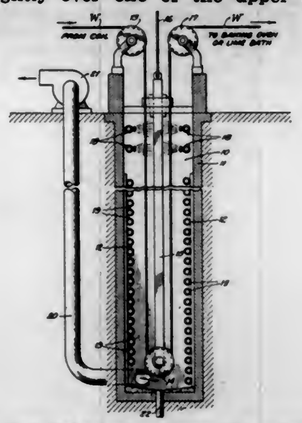
2,203,065

SULLING APPARATUS

Julian L. Schueler, Kokomo, Ind., assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana

Application April 18, 1938, Serial No. 202,717
5 Claims. (Cl. 266—3)

1. A sulling well comprising side walls, spaced sheaves near the top of the well, a frame between the sheaves and carrying at its lower end a third sheave whereby a strand of wire can be passed tightly over one of the upper sheaves



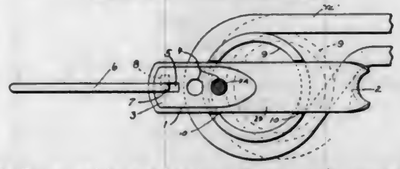
under the third sheave and over the other upper sheave, and means for producing a sulling atmosphere in the well as a strand of iron or steel wire is run continuously therethrough.

2,203,066

CABLE ANCHORING DEVICE

William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application April 28, 1937, Serial No. 139,485
6 Claims. (Cl. 24—136)



4. In a cable anchoring device, the combination with a U-shaped slide member comprising a length of bent sheet metal having a curved clamping portion intermediate its ends and substantially parallel spaced arms extending from said portion, said arms each having an outwardly dished portion remote from said clamping portion, of a circular snubbing element between said arms having slide grooves embracing said arms, the curve of said clamping portion being outwardly relative to said element, and a bail pivotally secured to the dished portion of each arm, said bail permitting free removal of said element from said member at the ends of said arms remote from said clamping portion.

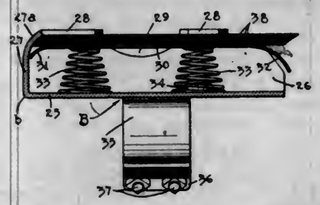
2,203,067

MAIL-SACKING ACCESSORY

Matthew F. Theis, Minneapolis, Minn.

Application March 22, 1939, Serial No. 263,564
5 Claims. (Cl. 312—62)

1. In a magazine or holder for labels or the like to be dispensed individually from a supply thereof, a case having sides for the reception therebetween of a pack of labels, said sides having inwardly extending abutment lips thereon, a spring pressed follower acting to advance the pack and normally hold the foremost label against said lips, said case being open at one extremity thereof and having an end at its other extremity, said end of said case being inclined inwardly to contact and feather the labels in the pack and thereby facilitate the grasping of the end of the foremost label at the open extremity of the case, said follower being tiltable to free the



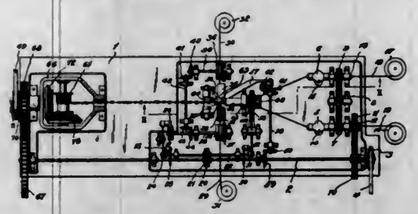
foremost label from engagement with the abutment lips at the proximity of the open extremity of the case, the end portion of the follower at the closed end of the case being curved downward to avoid disturbance of the feathered relationship of the labels in the pack upon the tilting of said follower.

2,203,068

METHOD AND APPARATUS FOR MANUFACTURING BARBED WIRE

Hans Thiemer, Cologne-Mulheim, Germany, assignor to Felten & Guilleaume Carlswerk Eisen & Stahl A. G., Cologne-Mulheim, Germany

Application May 19, 1937, Serial No. 143,605
In Germany June 16, 1936
10 Claims. (Cl. 140—60)



1. A method of fabricating barbed wire which comprises, arranging a wire extending from each of at least two sources of supply adjacent each other at a point spaced away from the wire supply, imparting a turning movement to each wire so that each wire is rotated around its longitudinal axis prior to the confluence of the wires whereby each of the wires are wrapped around each other, winding a barb on the wires, thereafter turning the two wires around the axis of the strand in the direction of the turning movement imparted to the individual wires, and winding the strand in a continuous circular form.

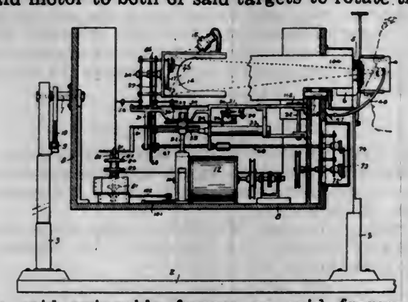
2,203,069

APPARATUS FOR EYE TREATMENT

Alphonso A. Woelfel, Tacoma, Wash.

Application December 16, 1935, Serial No. 54,696
14 Claims. (Cl. 128—76.5)

5. Apparatus for the treatment of the eyes, comprising a supporting frame; a pair of swingable frames independently pivoted thereto; an actuating motor operatively connected to said swingable frames to continuously swing both said frames simultaneously and transversely in mutually opposed directions; targets rotatably mounted on each said swingable frame; and flexible actuating means operatively connecting said motor to both of said targets to rotate them



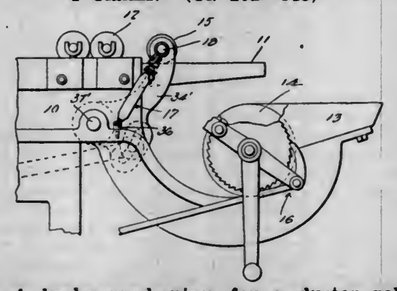
on said swingable frames as said frames are being swung transversely.

2,203,070

DUCTOR ROLLER CONTROL FOR PRINTING PRESSES

Frank Zablocki, Jamaica, N. Y.

Application June 27, 1938, Serial No. 216,136
4 Claims. (Cl. 101—348)



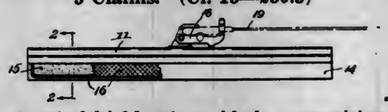
1. A brake mechanism for a ductor roller mounted to swing about a fixed axis, said brake mechanism comprising a cylinder pivotally mounted at one end adjacent said axis, a brake rod slidable in said cylinder and operative under such sliding to impose braking action on the ductor roller, tension means in said cylinder tending to operate said rod, the pivotal mounting of said cylinder being located eccentrically of said axis whereby under swinging of said ductor roller in one direction the distance between said pivot and the ductor roller is shortened to relieve the braking action by the rod on said ductor roller and thereby release the latter for free rotation.

2,203,071

DE-ICING WINDSHIELD WIPER

Max Zaiger, Swampscott, Mass.

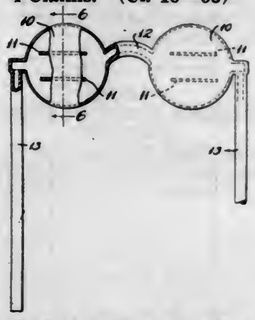
Application September 1, 1939, Serial No. 293,066
5 Claims. (Cl. 15—250.3)



1. A windshield wiper blade comprising an elongate holder having top and side portions, the sides extending in spaced parallel relation and being formed with opposed grooves constituting channels for removably receiving and holding an ice-removing member, an elongate envelope of porous, absorbent fabric, a soluble chemical substance in said envelope, the envelope having an

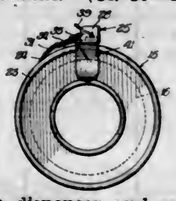
open mouth, and a relatively narrow frame extending around the mouth of the envelope and secured thereto, said frame being slidable endwise in the channels of the holder whereby the envelope is removably suspended between the sides of the holder in position to engage the windshield.

2,203,072
METHOD OF MAKING RUBBER ARTICLES
Raymond W. Albright, Akron, Ohio, assignor to American Anode, Inc., Akron, Ohio, a corporation of Delaware
Original application March 31, 1934, Serial No. 718,402. Divided and this application January 15, 1938, Serial No. 185,188
4 Claims. (Cl. 18—58)



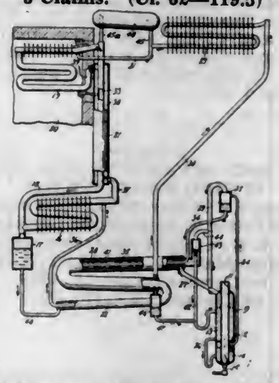
1. The method of making a medical appliance comprising a hollow applicator provided with connecting tubes for circulating fluid through the applicator, which comprises providing a generally flat and circular applicator-forming member, providing a separate tube-forming member, detachably securing the tube-forming member to the applicator-forming member to provide an assembled form of the required shape, coating the form with a liquid rubber composition, solidifying the coating on the form to provide a hollow rubber applicator and integral connecting tube, slitting the applicator along the periphery thereof, dis-assembling the form, removing the tube-forming member through the end of the tube formed thereon, removing the applicator-forming member through the slit, inserting a rubber tube in the slit and adhering the tube to the walls of the applicator to provide a fluid-tight seal at the junction.

2,203,073
TAPE DISPENSER AND CUTTER
Frank A. Anderson, Chicago, Ill.
Application February 20, 1939, Serial No. 257,444
6 Claims. (Cl. 30—126)



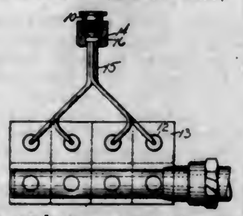
1. In a tape dispenser and cutter, the combination of a tape holder, a knife blade for cutting said tape, said knife blade being pivotally mounted in said holder, said holder being provided with means whereby said knife blade may be swung to an operative or cutting position and also to a safety position in which the blade is shielded, said holder having means to receive and support an unused end of tape, said means being a platformlike portion extending from said first mentioned holder, said platformlike extension being bifurcated to form said extended portion into two separate portions providing a space for engagement of the tape by the fingers, said bifurcation being augmented by a space transverse of the first space, each of said spaces being adapted to receive and having passed therethrough a free end portion of tape.

2,203,074
REFRIGERATION
Philip P. Anderson, Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 31, 1937, Serial No. 182,707
3 Claims. (Cl. 62—119.5)



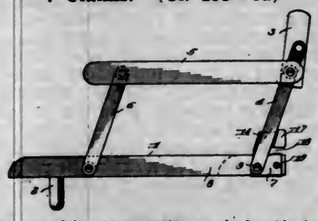
3. An absorption refrigeration system including a condenser, an evaporator, an absorber, a generator including a heated chamber, a rising conduit having its lower end extending into said heated chamber and forming a vapor lift by which vapor formed by heating of liquid in said chamber raises liquid to a level from which it flows by gravity to said absorber, a rectifier for vapor flowing from said generator to said condenser and located at a level below the surface level of liquid in said absorber, and conduits interconnecting said absorber and generator and also connecting said rectifier to said generator so that liquid flows by gravity from both said absorber and said rectifier to said generator.

2,203,075
HEAT EXCHANGE APPARATUS
Charles T. Bappler, Hartford, Conn., assignor to The Bush Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application August 19, 1936, Serial No. 96,758
1 Claim. (Cl. 62—127)



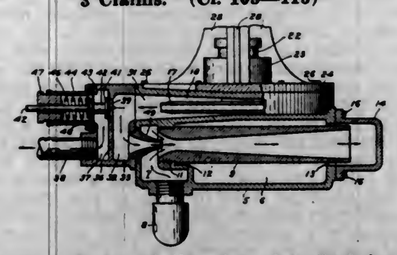
In a heat exchange apparatus including an expansion valve of the type herein shown and in which a minimum amount of expansion of the refrigerant occurs, the combination with said valve of a nipple, a set of tubes extending into and attached to said nipple and opening thereoutof, means for attachment of said nipple to the outlet of said expansion valve, and a metering tube located in an end of each of said tubes.

2,203,076
INFANT'S FOLDING TOILET SEAT
William C. Baxter, Rochester, N. Y., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York
Application March 17, 1939, Serial No. 262,549
7 Claims. (Cl. 155—31)



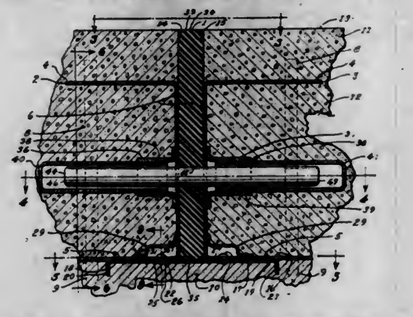
7. The combination with an infant's toilet seat comprising a back, side arms, and links pivoted to the seat and connected to said arms and back permitting folding thereof, of locking means associated with one of said links for holding it in its upper position comprising an attaching plate secured between the side of the seat and said link and having a laterally yieldable locking portion extending above the seat including retaining flanges for engagement with the front and rear edges of the link, the front retaining flange being tapered from top to bottom to permit the link to ride over it and the rear flange terminating in a backwardly bent operating piece spaced above said attaching plate, and horizontal flanges at the top and bottom of the rear portion of the attaching plate embracing the top and bottom surfaces of the seat.

2,203,077
PUMPING STRUCTURE
Fred A. Carpenter, Berkeley, Calif.
Application July 12, 1937, Serial No. 153,112
3 Claims. (Cl. 103—113)



2. In a device of the class described for use in a pressure system, a casing having a priming chamber therein, a fluid-supply pipe, a venturi in said pipe and discharging into said priming chamber, a pump having its inlet opening into said priming chamber, a jet connected with the outlet of said pump and directed toward the inlet of said venturi, a liquid outlet conduit connected between said pump and said jet, a valve in said conduit, a spring connected with said valve for actuating the same to close said conduit, and a diaphragm associated with said valve and responsive to hydraulic back pressure in said system for opposing the tendency of such back pressure to resist opening of said valve in response to pressure on its inlet side.

2,203,078
COMPENSABLE JOINT
John E. Carter, Geneseo, Ill.
Application January 21, 1935, Serial No. 2,681
4 Claims. (Cl. 94—18)

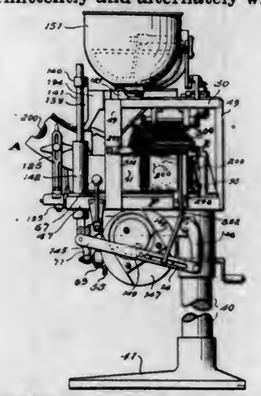


1. The combination with an expansible and contractible concrete street positioned on a road bed and comprising a plurality of horizontal slabs having spaced apart vertical inner edges and having their upper surfaces substantially in horizontal alignment, a vertical form retainer being fixed to each of said edges and having a space therebetween, a resilient block positioned between said retainers, and sealing said space, means movably mounted in the edges of said slabs and extending through said block to retain said block substantially in predetermined position irrespective of movements of said slabs caused by expansion and contraction, a foot member fixed in said road bed, means slidably connecting the lower edges of said retainers with said foot member, said last mentioned means adapted to prevent vertical movements of said retainers and permit horizontal movements thereof.

2,203,079
CONVEYER TRANSFER AND SEAL MEANS
Austin S. Chandler, Fitchburg, Mass., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass., a corporation of Massachusetts
Original application October 30, 1936, Serial No. 108,487. Divided and this application January 26, 1939, Serial No. 253,022
3 Claims. (Cl. 226—49)

1. In a machine of the class described capable of measuring stock, feeding empty bags to a filling station and filling them, and having means to advance them edgewise in erect position and closing and delivering the completed packages, the combination of a first conveyer adapted to receive and hold loaded bags in erect position in a plane coincident with direction of movement of the bags and to advance the bags edgewise in erect position, means to operate the conveyer step-by-step, a delivery conveyer consisting of an endless member having clamp elements on its outer side constructed to abut continuously but separably at a distance from the endless member when the latter is moved in a straight path and to diverge when the endless member is moved in an arc of moderate radius, said delivery conveyer being mounted for circuitous movement with a straight

departure path at its lower side extending from closely adjacent the path of the first conveyer and above the level of the bag tops on the latter, and having a curved path of short radius immediately over and adjacent the first conveyer, said clamp elements movable with the delivery conveyer across the path of tops of bags on the first conveyer, and means to move the delivery conveyer intermittently and alternately with the motion of the first conveyer, the delivery conveyer and the means to move the same being constructed so that its clamp members next the first conveyer will be positioned divergently in said curved path with the opening between two alined with the path of the bags at each intermission of its movement, said delivery conveyer being mounted with an outer curved path also, whereby to cause release of gripped bags.



2,203,080
ELECTRICAL CONDUCTOR
Donald K. Crampton, Marion, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
No Drawing. Application August 11, 1938, Serial No. 224,301
2 Claims. (Cl. 191—22)

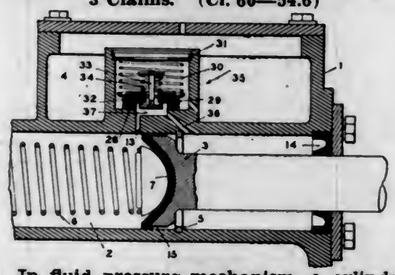
1. An electrical trolley wire characterized by a combination of high conductivity, high tensile strength, ease of working, low cost, high resistance to wear and high resistance to arcing, and formed of a copper-base alloy consisting of zinc from about 8% to about 12% and the balance of copper except for impurities.

2,203,081
ASPHALTIC PRODUCT AND METHOD OF PRODUCING SAME
Earl C. Daigle, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application July 2, 1938, Serial No. 217,312
13 Claims. (Cl. 196—74)

1. The method of producing a blended asphaltic product possessing a relatively high ductility and a relatively low temperature susceptibility, which comprises oxidizing a straight run residuum of a highly naphthenic nature to approximately the desired penetration for the final blended asphalt, which residuum oxidized alone will produce an asphalt of relatively high ductility and relatively high temperature susceptibility, and then gradually blending with said oxidized highly naphthenic residuum a desired amount of a straight run residuum of a more asphaltic nature, which asphaltic residuum when oxidized alone will produce an asphalt of relatively low ductility and relatively low temperature susceptibility, while continuing the oxidation until the final blended asphalt is produced possessing the desired properties.

13. As a new composition of matter a blended oxidized asphaltic product of relatively high ductility and relatively low temperature susceptibility comprising an oxidized highly naphthenic petroleum residue, which residue when oxidized alone produces an asphalt of high ductility and high temperature susceptibility, and an oxidized asphaltic petroleum residue, which asphaltic residue when oxidized alone produces an asphalt of low ductility and low temperature susceptibility, all portions of said asphaltic residue being less oxidized than all portions of said naphthenic residue and various portions of said asphaltic residue being less oxidized than other portions thereof, said blended asphaltic product of low temperature susceptibility having a substantially higher ductility than oxidized blended asphaltic products of said residues wherein said asphaltic residue has received as much oxidation as said naphthenic residue or wherein all portions of said asphaltic residue have received the same amount of oxidation.

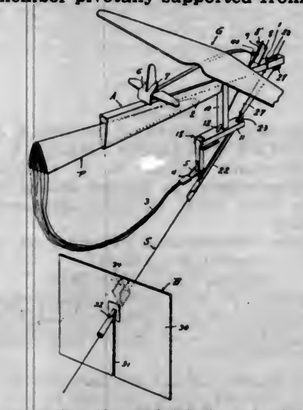
2,203,082
FLUID PRESSURE MECHANISM
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 10, 1933, Serial No. 675,179
3 Claims. (Cl. 60—54.6)



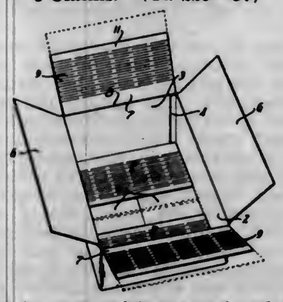
1. In fluid pressure mechanism, a cylinder, a piston reciprocable therein, a reservoir, means forming a passage between the reservoir and the cylinder, said passage being uncovered by the piston only when in its retracted position, means forming a fluid containing chamber at the rear of the piston the volume of which varies with the piston movement, means associated with the piston for preventing fluid from passing the piston on its forward stroke but permitting such passage on the return stroke, means forming a passage between the reservoir and the chamber, and valve means for controlling both of said passages, said valve means comprising a valve member for allowing fluid to flow in one direction through each passage when the pressure in that direction is a predetermined value and another valve member for allowing fluid to flow through each passage in the other direction when the pressure in that direction is a lower value.

2,203,083
KITE RELEASE FOR PARACHUTES AND GLIDERS
Robert F. Doerr, Portsmouth, Ohio
Application July 24, 1939, Serial No. 286,288
5 Claims. (Cl. 244—155)

1. An attachment for a kite comprising a holder for receiving a parachute in folded position, a weight on the strings of the parachute for pulling the parachute from the holder, means for attaching the holder to the string of a kite, a latch member pivotally supported from the holder and engaging the weighted part of the strings, a traveling member adapted to be placed on the string of the kite and means actuated by the traveling member for releasing the latch member to free the weight whereby the weight will pull the parachute from the holder.



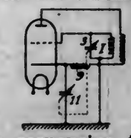
2,203,084
FIBERBOARD STRUCTURE AND METHOD OF MAKING THE SAME
Charles S. Evans, Oakland, Calif., assignor to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware
Application March 17, 1938, Serial No. 196,311
8 Claims. (Cl. 229—37)



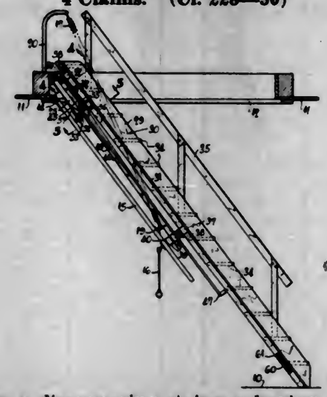
3. A carton comprising a pair of flaps normally having a gap therebetween, said flaps having partially severed portions spread apart to extend the flaps into said gap.

2,203,085
ELECTRICAL OSCILLATOR FOR GENERATION OF HIGH FREQUENCIES
Werner Flechsig, Berlin-Charlottenburg, Germany, assignor to the firm Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany
Application December 16, 1936, Serial No. 116,176
In Germany December 20, 1935
5 Claims. (Cl. 250—36)

1. An oscillator comprising an electron discharge device having a cathode and plurality of electrodes, a circuit connecting said cathode to one of said electrodes, another circuit connecting said cathode to a different electrode and including a portion of said first circuit adjacent the cathode, one of said circuits being coupled to the other and including a circuit tunable within a predetermined frequency range, and capacitive reactive means in the common portion of said coupled circuits responsive to the varying of said tunable circuit to render said means increasingly capacitively reactive as the frequency of said tunable circuit increases.

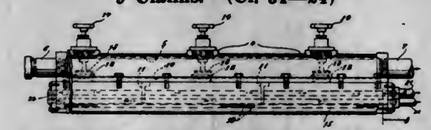


2,203,086
DISAPPEARING STAIRWAY
Ernest P. Garner, Charlotte, N. C.
Application July 26, 1939, Serial No. 286,658
4 Claims. (Cl. 228—50)



1. In a disappearing stairway having a ceiling opening, closed by a door pivoted at one end of the opening, a stairway slidably mounted in spaced relation to the upper surface of said door, a rack carried by the stairway, a member pivoted at one end to the end walls of the opening at a point above the pivot point between the door and the end wall of said opening, a dog carried by said pivoted member and means operable upon downward swinging movement of the free end of the door, together with the stairway carried thereby for causing said dog to engage said rack to thereby lock the stairway against upward movement relative to the door.

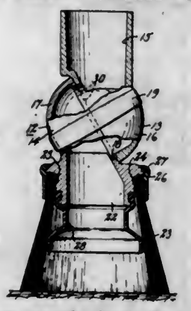
2,203,087
DRYING PRINTING INK
Hartwig M. Hanson, Baltimore, Md., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md., a corporation of Maryland
Application May 23, 1939, Serial No. 275,319
9 Claims. (Cl. 34—24)



1. The method of drying ink comprising passing a freshly imprinted surface at a rapid regulable speed faced toward a burner placed across the advance of the surface emitting a large number of small jets of flame adjacent and at substantially a right angle to the direction of advance of the surface and at an angle less than a

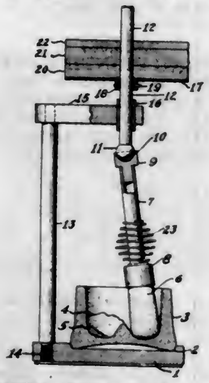
right angle to a line extending across the advancing surface, substantially cross-wise covering the same.

2,203,088
SUCTION NOZZLE
Erik Oskar Helge Hansson, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application November 25, 1936, Serial No. 112,624
In Germany November 26, 1935
1 Claim. (Cl. 285—96.8)



In a suction nozzle including a first member having an air passage adapted to be connected to a source of suction, a second member having an air passage communicating with a nozzle opening, each of said members formed with a hemispherical end having a circular edge in a plane oblique with respect to the respective air passage, means to secure together said sections in coupled relation comprising an arcuate resilient band overlying said hemispherical ends and removably engaging the hemispheres at the opposite ends of the diameter normal to the plane of said edges, and means to retain said band in engagement with said hemispheres to resiliently hold said hemispherical ends together in substantial air-tight relation while permitting them to be pivoted relative to each other through a relatively wide angle, the resiliency of said band retaining the edges in abutting contact.

2,203,089
DENTAL DEVICE
George M. Hollenback, Los Angeles, Calif.
Application March 1, 1938, Serial No. 193,318
3 Claims. (Cl. 83—10)

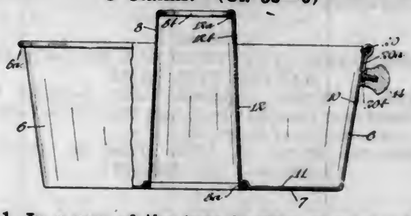


1. In a dental device of the character disclosed; a mortar formed with a raised center defining an annular pathway; a pestle disposed in said pathway and guided thereby when moved therein, weight means, and means slidably guiding the weight means along a vertical axis passing through the axis of the raised center of the mortar, and swivel means between the second named means and the pestle, whereby the weight means exerts a constant downward pressure on said pestle.

2,203,090
PROCESS FOR TREATING RUBBER AND PRODUCT OBTAINED THEREBY
Louis H. Howland, Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 25, 1938, Serial No. 192,581
7 Claims. (Cl. 260—791)

1. The process of producing vulcanized rubber products which comprises vulcanizing the rubber in the presence of an accelerator which is a pyrimidine-4-sulphide.

2,203,091
TUBE CAKE PAN WITH CAKE LOOSENING MEANS
Merrill Hutchinson, Edina, Minn.
Application February 15, 1939, Serial No. 256,429
3 Claims. (Cl. 53—6)

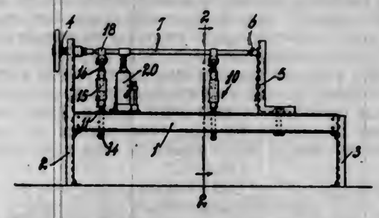


1. In a pan of the type having an upstanding tube axially disposed thereof, food loosening mechanism comprising, a scraper element disposed substantially flush against the inner peripheral wall of the pan and extending longitudinally thereof, guide means connected with the upper end of said scraper element for engaging the edge of said pan to permit free sliding movement of said scraper element, a second scraper element secured to the lower end of said first scraper element and engaging the bottom of said pan and extending to the base of said tube, and a third scraper element secured to said second scraper element and extending upwardly against the peripheral wall of said tube, and guiding means secured to the upper end of said third scraper element and engaging the upper end of said tube.

2,203,092
SHAFT OR TUBE PRESS
Ulysses A. Inman, Long Beach, Calif.
Application October 4, 1937, Serial No. 167,244
2 Claims. (Cl. 153—52)

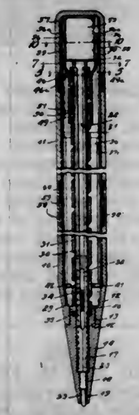
1. A shaft or tube press comprising a bed, having a longitudinal slot therein, a pair of spaced centering means mounted above the bed, the work being adapted to be held between the centering means, a work engaging fixture comprising a stem extending through the slot in the bed, lock means on the stem whereby the fixture is held against longitudinal movement on the bed, a turnbuckle on the fixture whereby the fixture may be elongated and a yoke on the upper end of

the fixture adapted and arranged to partly encircle and engaging the top of the work, whereby



the fixture may push upwardly or pull downwardly on the work.

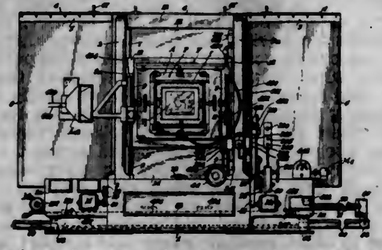
2,203,093
MECHANICAL PENCIL
David Kahn, Woodcliff, N. J., assignor to David Kahn, Inc., North Bergen Township, Hudson County, New Jersey, a corporation of New Jersey
Application November 1, 1937, Serial No. 172,245
7 Claims. (Cl. 120—18)



5. In a mechanical pencil, a barrel, a tip on the lower end of said barrel, a runner tube having its lower end fixed in said tip, actuating means rotatably fitted on said runner tube, an anti-friction fiber washer about said runner tube and resting on the upper end of said actuating means, and means to rotate the actuating means.

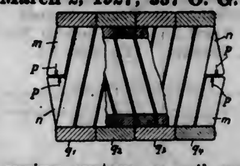
2,203,094
CONTROL SYSTEM FOR PHOTOCOMPOSING MACHINES
Alexander T. Koppe, Hasbrouck Heights, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application August 22, 1936, Serial No. 97,432
14 Claims. (Cl. 95—76)

1. In a photocomposing machine, means for supporting a sensitized surface in a vertical plane, means for supporting a printing plate in a vertical plane, an electrical motor, means whereby said motor moves said sensitized surface either to one position where it is closely adjacent said printing plate or to another position where it is spaced from said printing plate, means whereby a sealed chamber is formed at the printing plate when the sensitized surface is in said first named position, means for automatically discontinuing the action of said motor on said sensitized surface as said sealed chamber is



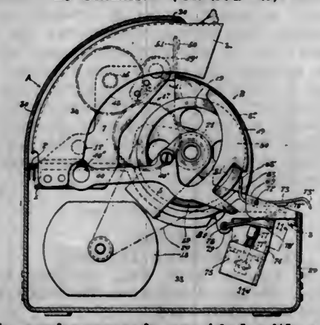
formed, and means for evacuating said sealed chamber.

2,203,095
SPRING SYSTEM
Ernst Kreissig and Franz Tönne, Urdingen, Germany
Application July 6, 1937, Serial No. 152,216
In Germany July 4, 1936
21 Claims. (Cl. 267—58)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In a spring system, a coil spring adapted to be compressed in a tangential direction, at least one closed ring frictionally engaging the outer circumference of said spring, means adapted to transmit pressure forces to one end face of said spring in a tangential direction and means adapted to transmit counter-pressure forces to the opposite end face of said spring in a tangential direction, whereby the spring is substantially exposed to pressure stresses only and elastically deformed substantially in its tangential direction only.

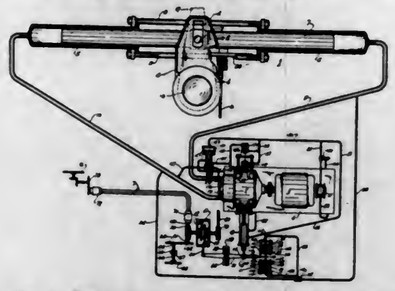
2,203,096
PHONOGRAPH
Louis Z. La Forest, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application December 21, 1937, Serial No. 180,940
19 Claims. (Cl. 274—2)



19. In a phonograph provided with a cabinet and having a speaking tube with a handpiece: the combination of control means operable to start and stop the phonograph; a support for said

handpiece movable relative to the phonograph from a non-supporting position within said cabinet into a supporting position wherein said member extends outwardly of said cabinet; biasing means for moving said support upwardly from said supporting position into a raised supporting position when said handpiece is removed therefrom, said support being moved downwardly into supporting position by the weight of said handpiece when the handpiece is placed thereon; means, operatively connecting said support with said control means, for placing said control means in stop position when said support is in either said supporting or non-supporting position, and for causing said control means to be placed in start position when said support is in said raised supporting position; an openable and closeable cover for said cabinet; and means, operatively connecting said cover with said support, for causing said support to be moved into said raised supporting and non-supporting positions as said cover is opened and closed.

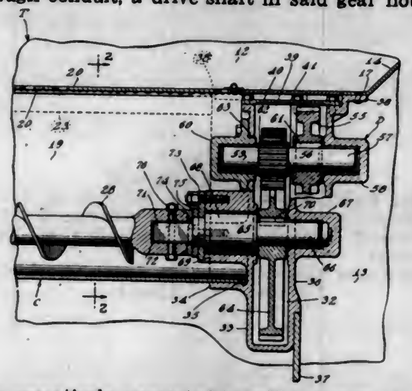
2,203,097
HYDRAULIC CONTROL MECHANISM
Robert C. Lamond, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 15, 1937, Serial No. 137,051
6 Claims. (Cl. 60—52)



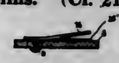
1. In a fluid system, the combination with a reversible discharge pump, of power means for operating said pump, a reciprocatory fluid motor, a rudder actuated by said fluid motor, stroke adjusting means for varying the stroke and direction of discharge of said pump, a pair of fluid motors adapted to actuate said stroke controls to neutral position, a valve for controlling the operation of said pair of fluid motors, means connecting one end of said valve to the pressure in said system, an auxiliary pump actuated by said power means, and means connecting the other end of said valve to said auxiliary pump, whereby when the pressure in the system imposed upon said valve exceeds that imposed upon said valve by said auxiliary pump, said valve is actuated to establish communication between one end of said pair of fluid motors and said system pressure, causing said stroke adjusting means to be actuated to neutral position.

2,203,098
LOCOMOTIVE TENDER
Nathan M. Lower, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application December 16, 1937, Serial No. 180,095
13 Claims. (Cl. 105—234)

1. In a locomotive tender having a floor and a fuel compartment above said floor, a stoker conveyor positioned below the level of said floor, said stoker conveyor including a trough conduit and a conveyor screw rotatably mounted in said trough conduit, and drive mechanism for operating said conveyor screw from its rearward end, said drive mechanism including a gear housing provided with an upward opening directed within the confines of said fuel compartment, said gear housing including a rear wall and a front wall forming a closure for the rear portion of said trough conduit, a drive shaft in said gear housing operatively connected to said conveyor screw, a bearing at the front wall of said gear housing for supporting said drive shaft, a gear in said housing operatively connected to said drive shaft, said drive shaft arranged to be withdrawn from said gear housing through the front wall thereof and said gear arranged for withdrawal through the upward opening of said gear housing upon withdrawal of said shaft through the front wall of the gear housing, and a detachable cover for said upward opening, said cover being accessible from said fuel compartment.

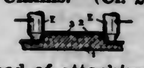


2,203,099
ART OF BONDING METAL TO INSULATION
Werner Osenberg, Dresden, Germany
Application November 11, 1937, Serial No. 174,067
5 Claims. (Cl. 219—2)



1. The method of fastening a flexible sheet metal piece to a ceramic carrier, which consists in inserting snugly into and through a corresponding slot in the carrier, a tongue of reduced width stamped from the body of said metal piece and extending at an angle thereto, and applying electrodes to the end of the protruding length of the tongue and to another part of the sheet metal piece respectively, and thereby heating and softening the said tongue and bending, upsetting or converting into a rivet head the protruding length of said tongue.

2,203,100
ART OF BONDING METAL TO INSULATION
Werner Osenberg, Dresden, Germany
Application December 24, 1937, Serial No. 181,661
8 Claims. (Cl. 219—3)



1. The method of attaching a flat sheet metal plate to a ceramic carrier which comprises con-

forming the carrier with one or more surface irregularities, in its otherwise flat face, superposing the plate thereover, applying electrodes to said plate near the boundaries of the area defined by said irregularities, thereby to cause the metal between said electrodes to become softened under heat, and deforming the flat softened metal plate area to press it snugly into engagement with the irregularities.

2,203,101
REEL FOR MOVING PICTURE FILM
Hugo R. Pausin, Maplewood, N. J.
Application February 25, 1939, Serial No. 258,361
4 Claims. (Cl. 242—70)

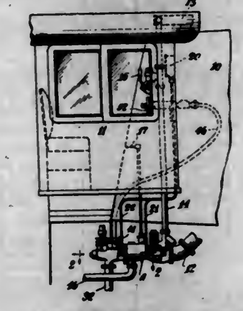


1. A reel comprising, a pair of side plates having integral hollow hub frame sections centrally projecting from their inner faces, the ends of said hub frame sections being abutted in meeting relation to thereby space apart said side plates; said hub frame sections comprising circumferentially spaced inwardly extending portions bent radially at their inner ends to provide separated radially converging end wall forming parts having terminal portions to bound and define central hub frame section openings, side margins of adjacent end wall forming parts having opposed arcuate portions to provide riveting collar receiving openings intermediate said end wall forming parts, hub plates respectively seated within the hollow interiors of said hub frame sections to embrace therebetween the meeting end wall parts of the latter, one said hub plate having integral annular riveting collars projecting from its inner face through said receiving openings intermediate said hub section end wall forming parts, the other hub plate having corresponding openings to receive said riveting collars, the latter being riveted over said last mentioned hub plate to interlock together the side plates and hub plates in operative assembled relation, said hub plates having central hub bosses to project outwardly within the interiors of said hub frame sections, and a hub bushing affixed to and extending between said hub bosses.

2,203,102
LUBRICANT
Kenneth P. Powers, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application January 18, 1938, Serial No. 185,625
9 Claims. (Cl. 87—9)

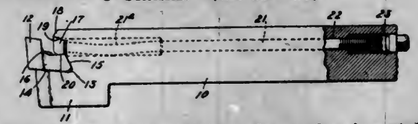
1. An improved lubricant comprising a petroleum lubricating oil containing in admixture therewith between 0.05 and 0.1 per cent stearic acid and between 0.05 and 0.5 per cent by weight of a mild extreme pressure agent selected from the class consisting of esters and thioesters of phosphorous acids.

2,203,103
OPERATING MECHANISM FOR INJECTOR OVERFLOW VALVES
Emanuel Rawson, Chicago, Ill., assignor to The Superheater Company, New York, N. Y.
Application April 2, 1938, Serial No. 199,576
5 Claims. (Cl. 103—275)



1. In an injector having a normally closed overflow valve controlling communication between its overflow chamber and its overflow pipe; a plunger movable to operatively engage said valve for holding it closed; a spring acting on said plunger to move it for operatively engaging said valve; a cable attached at one end to said plunger; means associated with the other end of said cable operable to move said plunger to a retracted position out of operative engagement with said valve and acting to energize said spring so that it holds said plunger and cable under tension to eliminate vibration thereof.

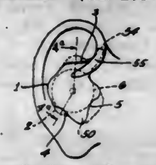
2,203,104
TOOL HOLDER AND CLAMP
Ernest Reaney, Stratford, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y., a corporation of New York
Application November 23, 1938, Serial No. 241,967
6 Claims. (Cl. 29—96)



1. A pressure equalizing clamp for insertable bit tool holders having in combination a supporting body member having a tool bit receiving opening formed therein, said opening being defined by a lower bit supporting platform surface and an overlying surface of the body member in spaced relation therewith; a tool bit resting on said platform; a bit clamping member movable in transverse directions intervening between the top of the bit and the under surface of said overlying portion of the body member; and manually operable means for urging said clamping member into bit clamping relation with the tool bit and holder thereby to clamp the bit on said platform, said means including an attenuated member secured to said clamp member adapted to flex in transverse directions in response to the

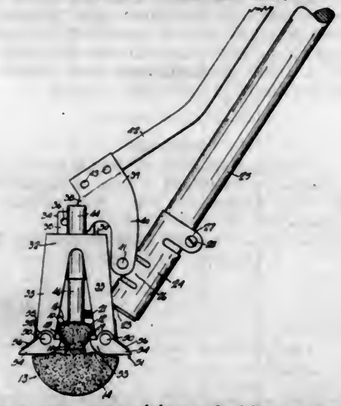
movement of said clamp member in effecting equalization of the clamping pressures on the bit.

2,203,105
EARPIECE MANUFACTURE
John G. Roberts, Dobbs Ferry, N. Y., assignor to Margaret L. Muir, Brooklyn, N. Y.
Application March 3, 1938, Serial No. 193,610
2 Claims. (Cl. 179—182)



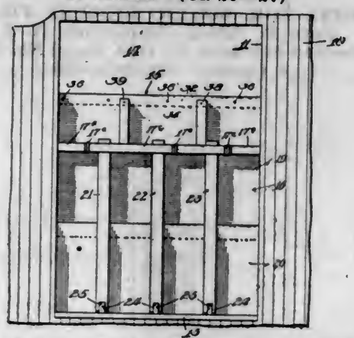
1. In the manufacture of earpieces adapted for surface contact with and center attachment to receivers, the process which includes taking an impression of an ear cavity, shaping the open portion of said impression in accordance with such surface and center attachment requirements, mounting a block of earpiece material preshaped as to such surface and center attachment requirements in a carving machine, and cutting said block to conform with the said impression over the remaining surfaces thereof.

2,203,106
MOP
Kenneth S. Rogers, Niles, Mich.; Francis J. Miller, administrator of said Kenneth S. Rogers, deceased, assignor, by mesne assignments, to Levant C. Rogers, Niles, Mich.
Application September 27, 1937, Serial No. 165,801
9 Claims. (Cl. 15—119)



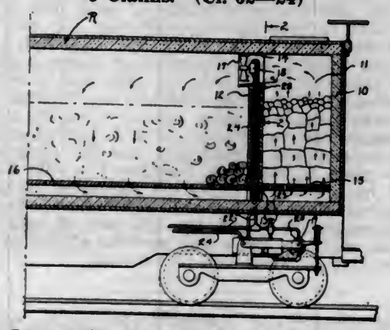
1. In a mop comprising a holder, a compressible mopping member mounted in said holder and having opposite sides normally flaring outwardly from said holder, a frame, means mounting said frame on said holder for back and forth movement in directions transverse to said normally flared sides, wringing elements pivotally mounted on said frame on axes parallel to said flared sides and at a distance apart less than the normal width of the flared portion of said mopping member, and means for moving said frame back and forth relative to said holder, said wringing elements having surfaces parallel to said axes whose normally outwardly extending portions are spaced from said axes a distance greater than the portions of said wringing elements which normally extend inwardly toward each other, whereby actuation of said last named means pivots said wringing elements to compress said mopping member between the first named portions of said wringing elements.

2,203,107
GRAIN DOOR FOR RAILWAY CARS
Joseph A. Schmitz, Chicago, Ill.
Application June 30, 1938, Serial No. 216,676
15 Claims. (Cl. 20—27)



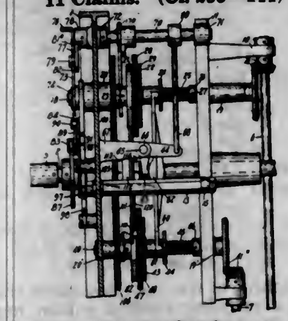
1. A grain door adapted for use with car structure having a floor and a doorway defined by upright post members, which comprises a pair of horizontal paper or the like panels having their adjacent edges disposed in overlapping relation, a horizontal brace member adjacent the upper edge of the uppermost of said panels with its ends adapted to be secured to the car door posts, a plurality of vertical brace members disposed along the outer surfaces of said panels and having their lower ends adapted to be secured to the floor of the car and their upper ends interlocked with said horizontal brace member, and fastening strips disposed along the opposite ends of said panels and adapted to be secured to the car door posts.

2,203,108
REFRIGERATOR FREIGHT CAR
Robert Kent Schwebs, Hortonville, Wis.
Application June 13, 1938, Serial No. 213,421
5 Claims. (Cl. 62—24)



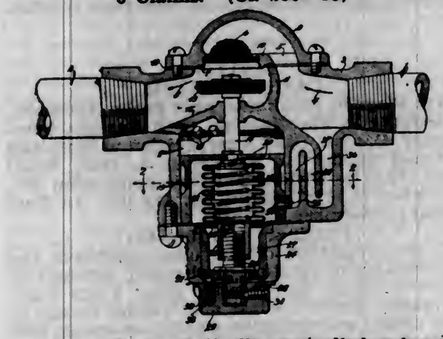
1. In a refrigerator car, a body having side walls, an end wall, a roof, a floor, and a false bottom for said floor, a partition extending transversely across the body adjacent to the end wall terminating short of the roof and at the false bottom, said partition defining in conjunction with the side and end walls an ice bunker, an air-circulating fan disposed above the partition at the central portion thereof for drawing air up through the ice bunker and into the body of the car adjacent to the roof, means for operating the fan, ventilators for opening and closing the space between the partition and the roof on opposite sides of the fan, means normally maintaining the ventilators in open position, and means for automatically closing said ventilators against the tension of said last-mentioned means when the fan is in operation.

2,203,109
COMPUTING COUNTER
Edward A. Slye, East Hartford, Conn., assignor to Veeder-Root Incorporated, a corporation of Connecticut
Application June 17, 1937, Serial No. 148,718
11 Claims. (Cl. 235—144)



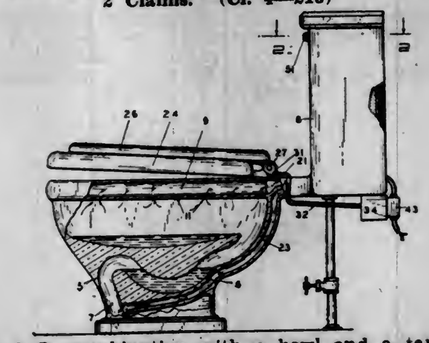
1. In a counting mechanism, a plurality of counters, driving trains therefor including a clutch having cooperating driving and driven elements, resetting mechanism including a resetting shaft having operative connections for resetting said counters, a reciprocable clutch operating member on said resetting shaft controlling both clutches, and cam means operated by said resetting mechanism for reciprocating said operating member.

2,203,110
THERMOSTATICALLY CONTROLLED VALVE
Russell J. Smith, Richmond Heights, Mo.
Application April 6, 1938, Serial No. 200,303
6 Claims. (Cl. 236—56)



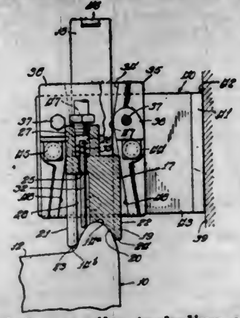
4. In a thermostatically controlled valve device comprising a housing having a passage for conducting steam therethrough in one direction; a valve seat in said housing surrounding said passage, means in connection with said housing forming a compartment having an inlet port communicating with said passage beyond the effluent side of said valve seat and having an outlet port communicating with said passage beyond the influent side of said valve seat, a valve stem extending for sliding movements through one wall of said housing into said passage and into said compartment, a valve attached to said valve stem in said passage, a valve attached to said valve stem in said compartment for opening and closing one of said ports, and a thermostatic device in said compartment responsive to the temperature of the condensate in said compartment for moving said second valve and thereby said first valve in synchronism and in the same relation to said outlet port and said passage, respectively, to open and close the same.

2,203,111
TOILET VENTING DEVICE
Percy H. Stebbing and Leon L. Wallace, Petaluma, Calif.
Application January 10, 1940, Serial No. 313,210
2 Claims. (Cl. 4—213)



1. In combination with a bowl and a tank, ventilating means carried by said tank and connected through channels to said bowl, of a pivoted seat connected to said bowl, a slider actuated by said pivoted seat, said slider having a pivoted dog mounted therein, the nose of said dog being capable of engaging a switch lever when moved in one direction and avoiding said switch lever when moved in the opposite direction.

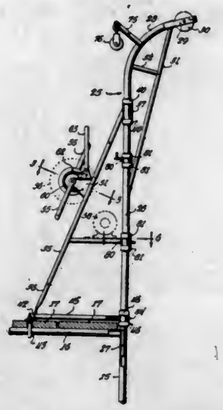
2,203,112
FLANGE OILER
Olof W. Swanson, Chicago, Ill.
Application December 23, 1938, Serial No. 247,327
6 Claims. (Cl. 184—3)



1. A wheel flange oiler including a distributor shoe embodying a heavy metallic casting of somewhat block form, the distal end thereof having a recess shaped to conform generally to and for receiving the flange of the wheel and the proxi-

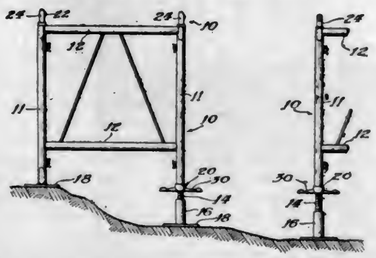
mal end thereof being adapted to have connected thereto an oil feed pipe, said shoe having a bore therethrough communicating with said ends, and the face of the block toward the tread of the wheel having a slot therein providing a pair of fingers at each side laterally of said bore, said slot providing a continuation of the bore.

2,203,113
HOIST
Reinhold A. Uecker, Ingar G. Rambo and David E. Beatty, Wauwatosa, and Fred H. Graser, Milwaukee, Wis.
Application May 9, 1938, Serial No. 206,808
13 Claims. (Cl. 212—61)



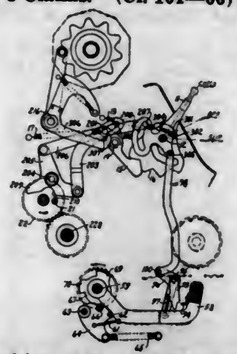
1. In a scaffold having a vertical post, and a horizontal member adapted to carry a deck, a hoist comprising, a normally vertical standard, an extension on said standard engageable with said post to form the connection therebetween, a goose-neck formed on the upper end of said standard, a brace connected between said goose-neck and said standard, and a second brace rotatably receiving said standard above its connection with said first brace and attachable to said horizontal member to reinforce the hoist.

2,203,114
SCAFFOLD JACK
Reinhold A. Uecker, Ingar G. Rambo, and David E. Beatty, Wauwatosa, Wis.
Application September 19, 1938, Serial No. 230,649
3 Claims. (Cl. 304—37)



1. In a scaffold jack for use with a scaffold having a tubular post, a screw, a sleeve fixed on one end of said screw and engageable with the interior of said post, a nut adjustable on said screw, a collar on said nut rotatably engageable with the interior of said post, and means to releasably retain the sleeve within the post.

2,203,115
CASH REGISTER
Erich Wagner, Eichwalde, near Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application September 5, 1935, Serial No. 39,211. Divided and this application November 11, 1937, Serial No. 174,031. In Germany March 8, 1935
8 Claims. (Cl. 101—66)

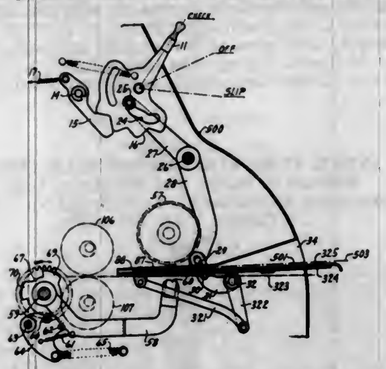


1. In a machine of the class described, the combination of a printing platen; a cam having a plurality of lobes to actuate the printing platen a plurality of times during each machine operation; a manipulative control member normally in a home position and settable to a plurality of positions; an auxiliary control member mounted adjacent the manipulative member; means for moving the auxiliary member with the manipulative member when the manipulative member is moved to its settable positions; means operable, during an operation in which said manipulative member is in its home position, for shifting the auxiliary member independently of the manipulative member; a locking member; and connections between the auxiliary member and the locking member to move the locking member into contact with the printing platen to disable the printing platen when one of said lobes is effective.

2,203,116
CASH REGISTER
Erich Wagner, Eichwalde, near Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application September 5, 1935, Serial No. 39,211. Divided and this application November 11, 1937, Serial No. 174,032. In Germany November 22, 1934
4 Claims. (Cl. 101—66)

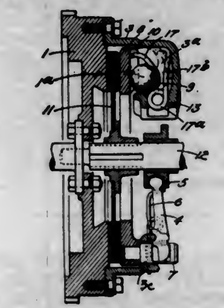
1. In a machine of the class described, the combination of printing mechanism, operable to print on checks and inserted slips; a slip chute to receive inserted slips; slip feeding means in said chute; manipulative means; means in said chute connected to and operable by the manipulative means to govern the initial position of an inserted slip relative to the printing and feeding means; and means to operate the slip feeding means, after the printing mechanism is operated to print on the slip, to feed the slip from one initial position into a position wherein the slip is printed upon a second time by the printing

mechanism, or to feed the slip from another initial position into a position wherein the slip



cannot be printed upon when the printing mechanism is operated the second time.

2,203,117
CENTRIFUGAL CLUTCH
Wilfred Ambrose Whatmough, Golders Green, London, England
Application March 12, 1938, Serial No. 195,431
In Great Britain March 23, 1937
9 Claims. (Cl. 192—105)



1. A centrifugal clutch comprising a driving member, a presser plate arranged to rotate with and to have axial movement relative to said driving member, said member and said plate having portions thereof in axially spaced apart register, a plurality of rollable centrifugal weight elements disposed between said registering portions of said member and plate, and spring members carried by one of said portions of said member and plate and providing a yielding radial and inclined raceway for said weight elements whereby as said weight elements are urged radially outwardly under centrifugal force said presser plate will be urged in an axial direction under a force determinable by the resistance offered by the flexing of said springs, said spring members forming the sole interacting medium between said weights and the said clutch portion upon which they are carried.

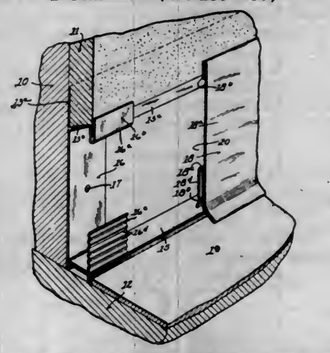
2,203,118
AUTOMATIC ELEVATOR
Howard E. Williams, Huntington Park, Calif.
Application January 31, 1938, Serial No. 187,913
4 Claims. (Cl. 294—90)

1. An automatic elevator comprising a body, said body having a pipe receiving opening therein, a pair of jaws pivotally mounted in the body, each of said jaws being adapted and arranged to partially encircle the pipe, a lock block adapted and arranged to engage both of the jaws in closed position thereof, a pair of pins slidably mounted



in the body, an arm mounted on the pins, said locking block being mounted on the arm, and a spring engaging each of the pins, and urging said pins outwardly, whereby the block is urged towards seated position.

2,203,119
WALL TRIM
Clarence G. Wollaeger, Milwaukee, Wis., assignor to Milcor Steel Company, Milwaukee, Wis., a corporation of Delaware
Application December 9, 1937, Serial No. 178,893
4 Claims. (Cl. 189—85)

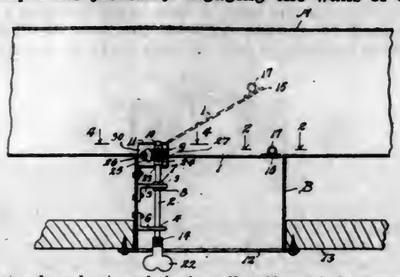


1. In a wall base trim the combination of a rear upper portion, a rear lower portion and a removable front portion; said rear upper portion being laterally extended and providing a front downwardly directed part, said rear lower portion being laterally extended, and engaged behind said downwardly directed part, and providing a plurality of upward extensions respectively adjacent to the top of the rear lower portion and in front of said downwardly directed part, and adjacent to the bottom of the rear lower portion, said front portion having upper and lower downwardly extended hook members respectively engaged behind the different upward extensions of said rear lower portion, said front member being retained for vertical adjustment by the engaged hook members and removable by upwardly disengaging said hook members from said upward extensions.

2,203,120
DAMPER CONTROL
Emil O. Young, Cleveland, Ohio
Application October 23, 1937, Serial No. 170,681
4 Claims. (Cl. 98—106)

1. In a damper control of the class described, in combination, an air duct, a pivotal damper having a fixed axis for controlling the passage of air therethrough, operating means comprising locking instrumentalities disposed adjacent to the axis of the damper for maintaining the damper in varied positions of adjustment, and auxiliary

means associated with the free edge of said damper for yieldably engaging the walls of said



duct, whereby to minimize vibration of the damper caused by air currents in the duct.

2,203,121
PREPARATION OF DIACETYLDIHYDROMORPHINONE
Philipp Zutavern and Heinrich Metzger, Ludwigshafen-on-the-Rhine, Germany, assignors to E. Bilhuber, Inc., Jersey City, N. J., a corporation of New Jersey
No Drawing. Application June 17, 1938, Serial No. 214,308
3 Claims. (Cl. 260—285)

3. The new chemical compound selected from the group consisting of diacetyldihydromorphinone and the acid salts thereof.

2,203,122
CONTACT ATTACHMENT FOR ELECTRICAL CONNECTIONS
Alfred J. Anderson, Akron, Ohio
Application December 24, 1935, Serial No. 56,001
8 Claims. (Cl. 173—361)



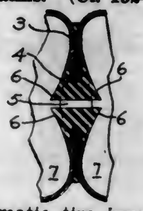
8. A spring contact attachment interposable between a prong and a co-operating, contacting member of a plug-in connection for an electric circuit; said attachment comprising a strip of substantially the same width as the prong; said strip bent upon itself to form an open sided, flat loop adapted to receive the prong; and means for detachably securing said strip in a longitudinal position on said prong.

2,203,123
GASKETED PLATE
William Astle, Chicago, Ill.
Application August 16, 1938, Serial No. 225,161
3 Claims. (Cl. 257—245)



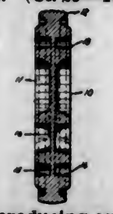
2. In a plate heat exchanger of the juxtaposed plate type, a sheet metal heat exchange plate, a gasket for sealing between said plate and an adjacent surface, said plate having a channel therein to receive said gasket, and a rib extending in and along said channel and secured to said plate, said gasket having a groove in the side toward the plate to receive said rib, said rib having a longitudinally-extending portion overhanging a portion of the gasket, and said channel having a sloping side which forces a portion of the gasket underneath said overhanging portion.

2,203,124
INNER TUBE FOR AUTOMOBILE TIRES
William B. Barry, San Francisco, Calif.
Application December 27, 1938, Serial No. 247,759
6 Claims. (Cl. 152—338)



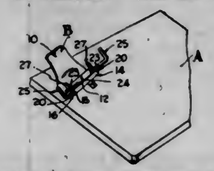
1. In a pneumatic tire inner tube having a body portion and a plurality of diaphragms dividing said tube into separate compartments, a valve inserted in each of said diaphragms, said valve being wholly formed of flexible material and having a central aperture therein connecting the compartments separated by the diaphragm on which said valve is mounted, opposed flexible lips around each end of said aperture and extending into said compartments, the opposed lips being spaced apart to provide free air passages through said aperture when the diaphragm on which the valve is mounted is maintained substantially planar by equal air pressure on both sides thereof, and movable into contact thereby closing said aperture when the side of the diaphragm carrying said lips assumes a concave shape due to reduction in pressure of one of said compartments.

2,203,125
ROLLER BLANK AND PROCESS OF MAKING ROLLERS THEREFROM
Wilfred A. Beauchamp, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application October 14, 1937, Serial No. 168,978
10 Claims. (Cl. 29—148.4)



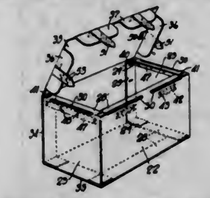
3. The method of producing an eccentric roller having a core and a separate rim comprising die forging a unitary blank to shape the inner portion of said blank to the form of said core and the outer portion of said blank to the form of said rim and provide a connecting web between said inner and outer portions, forming an opening in said core offset from the center thereof, removing said core and rim from said blank, machining the outer circumference of said core and the inner circumference of said rim and interposing an anti-friction bearing between said core and said rim.

2,203,126
BOOKHOLDER
James Bell and Anna M. Bell, Edmonton, Alberta, Canada
Application May 9, 1939, Serial No. 272,593
In Canada March 10, 1938
11 Claims. (Cl. 45—82)



1. A bookholder comprising in combination with a recessed mounting, a holding unit including a back and supporting ledge, connected together and disposed at substantially right angles to one another, said back being designed to support the back of a book, said ledge supporting the lower end of the book, swingable retaining means carried by the ledge for retaining pages of the supported book in open position, said means being swingable from a normally foldable position into engagement with said pages, and means for swingably mounting the holding unit in the recess of said mounting, whereby said ledge and retaining means may be disposed in said recess and said back may be disposed substantially flush with a surface of the mounting when not in use.

2,203,127
SHIPPING BOX
John E. Borah, Penn Township, St. Joseph County, Ind.
Application September 12, 1938, Serial No. 229,462
16 Claims. (Cl. 229—47)



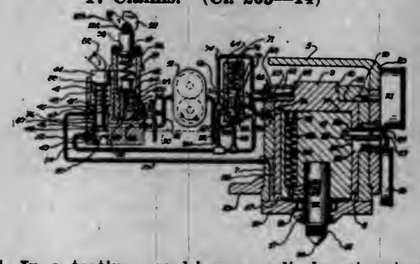
1. A box comprising a rectangular section having longitudinal and transverse fold lines defining three body panels spaced inwardly from the edges of said sections, said section having notches therein outwardly of said panels and aligned with said transverse fold lines to define marginal flanges and corners outwardly of said panels, the longitudinal flanges on one side of said section having elongated slots adjacent the longitudinal fold line, a second section having transverse fold lines defining three body panels and end and side tongues projecting from at least one end panel, said tongues being defined by fold lines and having short slots adjacent said fold lines, the central panel of said second section being secured to the end flanges of said first section and the corner tabs and adjacent ends of the longitudinal flanges of the first section being interconnected, locking elements secured to the inner face of the tongued panel of the second section to project through said slots and terminate in a locking portion outwardly of said tongues and having longitudinally spaced projections, and locking bars carried by the banner faces of the panels of said first section adjacent the slots thereof, the tongues and locking elements of the second section being insertible through the slots in said first section.

2,203,128
CUTOUT FIGURE OR OBJECT
Frances L. Cairo, Brooklyn, N. Y.
Application July 28, 1936, Serial No. 92,963
4 Claims. (Cl. 46—157)



1. In a joint for objects constructed of flat material, an apertured body, a swinging member of a width to freely work in the aperture of said body and having a segmental enlarged end preventing said member from being withdrawn from said body in one direction, tabs engaging the segmental edges of said enlarged end preventing the withdrawal of said swinging member in the opposite direction and permitting the free swinging movement of said swinging member whereby said swinging member is locked in position by said tabs and permitted to freely swing when so locked.

2,203,129
HARDNESS TESTING MACHINE
Ralph Campbell and Frederick H. Nass, Detroit, Mich., assignors to Detroit Testing Machine Company, Detroit, Mich., a corporation of Michigan
Application May 19, 1938, Serial No. 208,794
17 Claims. (Cl. 265—14)

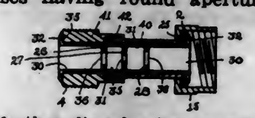


1. In a testing machine, a cylinder structure, a pair of relatively movable pistons therein, a penetrator carried by one of said pistons, fluid pressure means for moving said pistons together, another fluid pressured means operable on only one of said pistons, a fluid pressure operated lock adapted to hold the other piston, whereby to permit relative movement of said pistons, and means for measuring said relative movement.

2,203,130
BEER ENERGIZER
Patrick J. Costello, Utica, N. Y.
Application December 16, 1938, Serial No. 246,163
2 Claims. (Cl. 259—4)

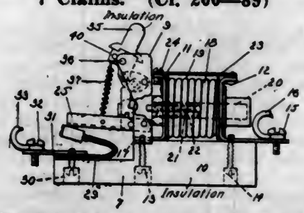
1. In a beer energizer, a tubular member having a central passage therethrough, and a flange at one end and an enlarged part at the other, discs disposed within said tubular member, spacing sleeves for holding certain of said discs in predetermined position and other spacing sleeves having flanges formed therein and abutting said

flange and said enlarged part, whereby to aid in holding said disc in predetermined position, one of said discs having round apertures formed



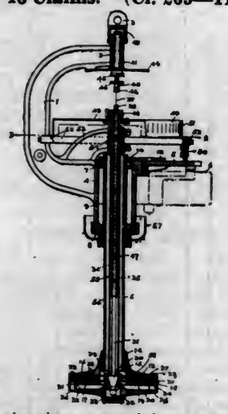
therein and other discs having rectangular apertures formed therein, whereby said disc will form an irregular passageway to create a fine, creamy foam of the beer passing therethrough.

2,203,131
CIRCUIT BREAKER MECHANISM
Joseph A. Coy, Cincinnati, Ohio, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky., a corporation of Kentucky
Application January 18, 1940, Serial No. 314,464
7 Claims. (Cl. 200—89)



1. A circuit breaker comprising in combination; a stationary contact; a contact movable to engage and disengage the stationary contact; a manually reciprocated member having a portion thereof movable toward and away from the movable contact as said contact moves to its disengaged and engaged positions respectively; a spring for biasing the movable contact and the reciprocated element to disengaged contact position; a link associated with the reciprocated element; a toggle element pivoted to the link and the movable contact and normally held in operative position; and an element movable in response to overload conditions in the circuit for breaking the toggle when said element is actuated.

2,203,132
VISCOSIMETER
Rudolf D. Delamere and William M. Hutcheon, Toronto, Ontario, Canada, assignors to A. R. Clarke & Company, Limited, Toronto, Ontario, Canada
Application June 7, 1937, Serial No. 146,848
18 Claims. (Cl. 265—11)



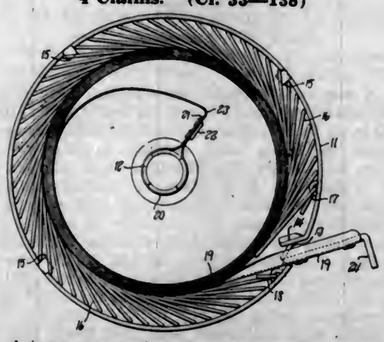
1. A viscosimeter comprising, a frame, a sleeve rotatably supported in said frame, a motor for driving said sleeve, a hollow rotor mounted on said sleeve having liquid circulating passages therethrough, a stator member arranged within said hollow rotor, a rod secured to and supporting said stator having a longitudinal slot, a pin secured in said slot intermediate of the length of said rod, a tortion wire secured to said pin and extending upwardly beyond said rod, means secured to said frame for suspending said tortion wire, and means for indicating the tortional deflection of said stator.

2,203,133
DETACHABLE SPOUT FOR CONTAINERS
Joseph B. Englert, Akron, Ohio
Application January 3, 1938, Serial No. 182,988
1 Claim. (Cl. 215—74)



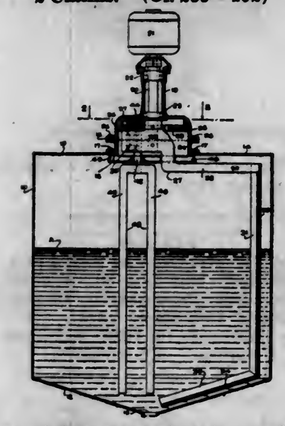
In a cover and spout for containers, a structure composed of one piece of elastic rubber, said structure having an annular base formed to be stretched over the mouth end of a container, an upright spout projecting from the upper side thereof, and positioned around one lateral side thereof, and an integrally formed top wall on said base, said top wall extending over said spout in the form of a flap.

2,203,134
ROLLING RULE
William E. Evans, Waterbury, Conn., assignor to The Waterbury Lock and Specialty Company, Milford, Conn., a corporation of Connecticut
Application February 16, 1939, Serial No. 256,695
4 Claims. (Cl. 33—138)



1. A tape measuring device comprising: a case formed with an entrance slot; helical spring means anchored adjacent opposite edges of said slot and extending around within the case; and a flexible rule constructed and arranged to extend through said slot and to be movable endwise in through said slot; said helical spring means being so supported within said case and having its convolutions of such size and said helical spring means and said flexible rule being so constructed and arranged that when said flexible rule is forced endwise in through said slot, the convolutions of said helical spring means are laid over toward the peripheral wall of the case, with said convolutions individually rotating about points of the convolutions located at the outer periphery of said spring means, and in consequence causing said flexible rule to become arranged in a coil within the case.

2,203,135
PAINT MIXING APPARATUS
Charles E. Farrington, Phoenixville, Pa.
Application September 15, 1937, Serial No. 163,904
2 Claims. (Cl. 259—102)



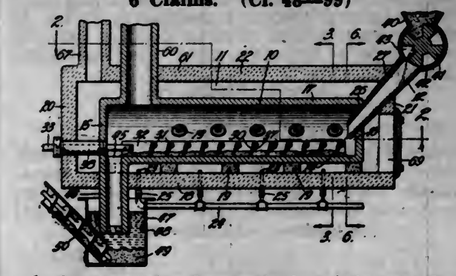
1. In a mixing apparatus, in combination, a tank for receiving the material to be mixed, said tank having flat side walls joined together by rounded corners and having also a tapered bottom of substantially inverted conical shape, and an agitator disposed for rotation within said tank, said agitator including a vertically extending member adapted to describe a circle of revolution disposed in closely spaced relation with respect to the interior of the tank and including also an inclined bottom member movable in a plane spaced above and in parallel relation to the bottom wall of the tank, said agitator coacting with said rounded corners of the tank to create a turbulent condition in the material due to the suddenly reduced resistance encountered by the agitator in passing through the material in the immediate vicinity of said rounded corners.

2,203,136
BRAKE TESTER
Owen H. Fowler, Detroit, Mich., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application August 3, 1936, Serial No. 94,095
12 Claims. (Cl. 73—51)



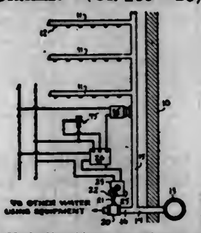
1. An impact automotive vehicle brake tester comprising a supporting frame, a longitudinally movable platform thereon, there being a slot in said frame having a centrally enlarged portion, a yielding element in said enlarged portion, and arms depending from said platform at either end of said yielding element.

2,203,137
APPARATUS FOR PRODUCING GAS FROM CARBON CONTAINING MATERIALS
Nat Harris Freeman, London, England
Application November 23, 1938, Serial No. 242,029
6 Claims. (Cl. 48—99)



1. An apparatus for producing water gas from finely divided solid carbon containing materials comprising a horizontally extending gasifying chamber having a flat bottom wall and a semi-cylindrical upper wall, means forming a heating chamber surrounding said gasifying chamber with the heating chamber walls spaced from the gasifying chamber walls, means for producing heat in said heating chamber to maintain the gasifying chamber at a high temperature, means for supplying carbon containing material to one end of said gasifying chamber comprising a chute extending thereinto, a hopper and means for discharging measured quantities of material from said hopper into the chute and excluding air, means for moving said material along the bottom wall of said gasifying chamber, and means for introducing superheated steam into said gasifying chamber including a plurality of steam pipes positioned with their discharge ends communicating with said gasifying chamber, and electrically operated heating elements surrounding said pipes adjacent their discharge ends.

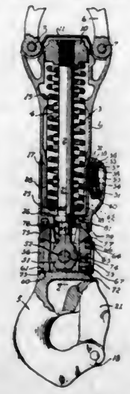
2,203,138
SPRINKLER CONTROL SYSTEM
John R. Ginnaty, Villa Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 8, 1938, Serial No. 223,639
19 Claims. (Cl. 169—16)



11. A water distribution system comprising a single water main, a sprinkler system connected to said water main, other water using appliances also connected to said water main, said water main being of insufficient size to supply both the sprinkler system and the other water using appliances simultaneously with the necessary amount of water, valve means in control of the flow of water to said other water using appliances, valve positioning means operatively connected to said valve means, switch means movable from a first circuit controlling position to a second circuit controlling position, a timer for moving said switch means from the first circuit controlling

position to the second circuit controlling position in response to energization of said timer for a predetermined time, means responsive to a flow of water to said sprinkler system for energizing said timer, and means responsive to movement of said switch to the second circuit controlling position for causing the valve positioning means to move the valve means to closed position whereby flow of water to the other water using appliances is prevented.

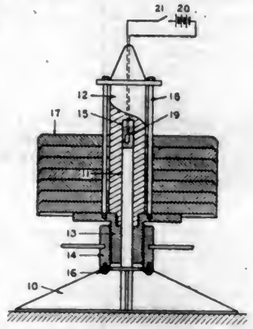
2,203,139
DRILLING HOOK
Herbert E. Grau and Richard K. Hertel, Vernon, Calif., assignors to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application December 3, 1938, Serial No. 243,824
8 Claims. (Cl. 294—82)



1. A hook structure comprising a hook member, a supporting member for supporting said hook member and including a housing, a compression spring mounted in said housing, a stem yieldably supported by said spring and slidably and rotatably mounted in said housing and extending downwardly below said housing, and means for mounting said hook member on the lower extremity of said stem for universal tilting movement relative thereto comprising a yoke member journaled in said hook member on a normally substantially horizontal axis, and means pivotally connecting said stem to said yoke member for tilting movement relative thereto on a normally substantially horizontal axis extending at right angles to and intersecting the axis of said yoke member.

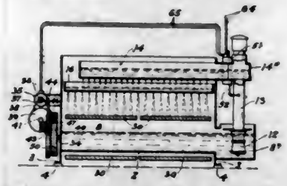
2,203,140
METHOD FOR SEISMIC PROSPECTING
William Gladstone Green, Tulsa, Okla.
Application February 27, 1937, Serial No. 128,272
3 Claims. (Cl. 181—0.5)

1. In the method of geophysical prospecting in which a charge of explosive is detonated to create seismic waves of a plurality of frequencies, selected frequencies of said waves being detected after their reflection from the interfaces of the substrata and signals corresponding to the detected waves being recorded, the novel steps of improving the frequency spectrum of said seismic waves by generating an increasing pressure within a confined zone above the earth's surface, confining said pressure within a portion of said zone out of compressive contact with the earth's surface until said pressure has attained a predetermined value, thereafter abruptly releasing the pressure of said predetermined value and applying this pressure uniformly over a definite



area upon the earth's surface in a direction perpendicular to the earth.

2,203,141
PASTEURIZING APPARATUS
John R. Gruetter, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application November 10, 1938, Serial No. 239,800
6 Claims. (Cl. 126—272)

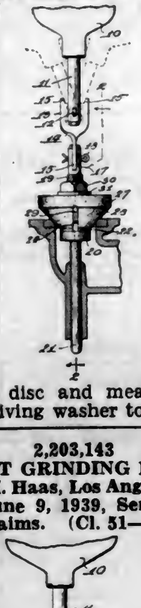


1. A pasteurizing apparatus comprising in combination a conveyor for articles to be pasteurized, a station comprising one or more receptacles located above said conveyor and provided with means for delivering pasteurizing liquid upon the articles conducted therebeneath by said conveyor, means for driving said conveyor, means for supplying liquid to said receptacle or receptacles, and means operative by the cessation of the supply of said liquid to said station for stopping the said driving means.

2,203,142
VALVE SEAT GRINDING IMPLEMENT
Samuel H. Haas, Los Angeles, Calif.
Application February 23, 1939, Serial No. 257,807
1 Claim. (Cl. 51—241)

In a valve seat grinding implement, a stem, a shoulder formed thereon, a driving washer carried by said stem and positioned upon said shoulder a portion of the stem immediately above the shoulder thereon being non-circular in cross section and said driving washer being provided with a non-circular opening that receives the non-circular portion of the stem to provide a driving engagement between the stem and washer, fingers projecting upwardly and outwardly from said driving washer, a grinding disc composed of a solid body of abrasive material positioned on said stem and resting on said driving washer, said disc being provided with grooves for the reception of the fingers on said driving washer, the depth of which grooves is greater than the thickness of said fingers so that

the outer faces of said fingers when positioned in said grooves are disposed below the grinding



surface of said disc and means for clamping said disc and driving washer to said stem.

2,203,143
VALVE SEAT GRINDING IMPLEMENT
Samuel H. Haas, Los Angeles, Calif.
Application June 9, 1939, Serial No. 278,231
6 Claims. (Cl. 51—241)

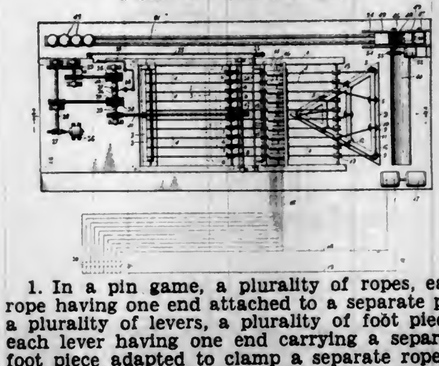
1. In a valve seat grinding implement, a stem provided with a shoulder and with a non-circular portion located above said shoulder, a grinding wheel positioned on said stem and resting on said shoulder, there being depressions formed in the top of said grinding wheel, a driving washer provided with a non-circular aperture for the reception of the non-circular portion of said stem, members depending from said driving washer for engagement in the depressions in the top of the grinding wheel and means on the stem for locking the driving washer to the grinding wheel and for locking said grinding wheel against said shoulder.

2,203,144
DRYING AGENT AND PROCESS OF MAKING AND USING THE SAME
William A. Hammond, Yellow Springs, Ohio
No Drawing. Application March 9, 1937, Serial No. 129,917
11 Claims. (Cl. 252—2.5)

2. A drying agent consisting essentially of anhydrous calcium sulphate and anhydrous calcium chloride.

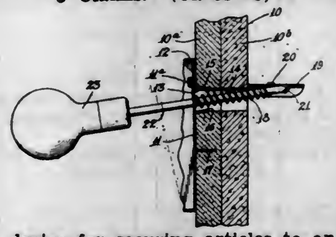
11. The method of drying gas which consists in passing the gas through a column of anhydrous calcium sulphate and a deliquescent material always in the same direction, stopping the flow of gas not later than when the sulphate in the last layer to be contacted by the gas is half-hydrated, then driving off the absorbed water by heating the material in the column to a temperature of not over 300° C. and repeating the operation.

2,203,145
GAME
Walter Heiniger, Huttwil (Zell), Switzerland
Application February 18, 1938, Serial No. 191,152
In Switzerland March 9, 1937
4 Claims. (Cl. 273—44)



1. In a pin game, a plurality of ropes, each rope having one end attached to a separate pin, a plurality of levers, a plurality of foot pieces, each lever having one end carrying a separate foot piece adapted to clamp a separate rope, a plurality of solenoid cores, each solenoid core being carried by the opposite end of a separate lever, a plurality of solenoids, each solenoid being adapted to attract a separate solenoid core, a beam, a manually operable rail, means connecting said rail with said beam, and means connected with said beam and the second-mentioned ends of the levers for simultaneously operating said levers to release said ropes.

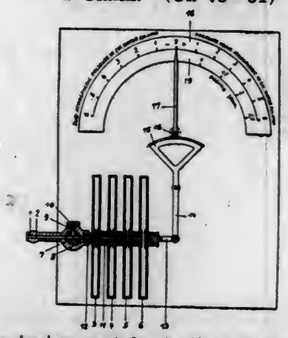
2,203,146
FASTENING DEVICE
Andrew M. Hexdall, Morris, Ill.
Application June 25, 1938, Serial No. 215,942
3 Claims. (Cl. 85—3)



1. A device for securing articles to an apertured partition or the like only one side of which may be readily accessible comprising, in combination, a base member adapted to be positioned on the front of the partition adjacent the aperture therein, an elongated longitudinally yieldable resilient member secured to said base and adapted to be inserted into the partition aperture, an elongated anchor member pivotally secured at approximately the center thereof to the outer end of said yieldable member, and a projection on the inner face of said anchor member displaced from the point of its pivotal connection with said yieldable member and engageable by a tool inserted through the partition aperture to

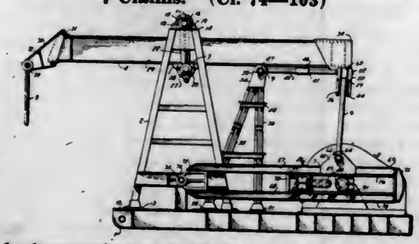
push said anchor member away from the inner face of the partition and pivotally into a position alined with said yieldable member for the withdrawal of the anchor member through the partition aperture.

2,203,147
MEASURING AND TESTING INSTRUMENT FOR OXYGEN BREATHING APPARATUS
Franz Hollmann, Lubeck, Germany, assignor to Otto Heinrich Dräger, Lubeck, Germany
Application January 21, 1938, Serial No. 186,075
In Germany January 22, 1937
1 Claim. (Cl. 73—51)



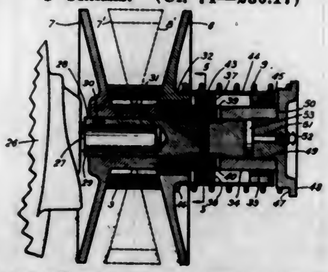
In an instrument for testing oxygen-breathing apparatus and indicating the quantity of oxygen supplied to the apparatus per unit of time, a plurality of pressure-responsive hollow intercommunicating members connected in series, a hollow connecting piece adapted to be connected to the apparatus to be tested, a single valve interposed between said piece and said members and movable to a plurality of positions for selectively placing the interior of said hollow members in communication with the apparatus to be tested or simultaneously with said apparatus and the atmosphere, a scale having two series of divisions, one of said series being calibrated to indicate pressure and the other to indicate the quantity of oxygen supplied per unit of time, and indicator means controlled by the movements of said hollow members and adapted to move over said scales.

2,203,148
PUMPING UNIT
Hiram A. Holzer, Pittsburg, Kans., assignor to United Iron Works Company, Pittsburg, Kans., a corporation of Kansas
Application June 11, 1937, Serial No. 147,654
7 Claims. (Cl. 74—103)



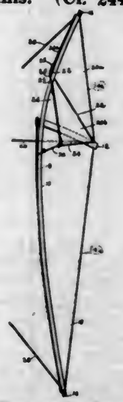
1. A pumping unit of the character described including a standard, a link having one end pivotally mounted on the standard, a beam fulcrumed on the other end of the link, the opposite ends of said beam being adapted for engagement with a load and an actuating mechanism respectively, a second standard, and a second link pivotally mounted on the second standard, the second link being pivotally connected with the end of the beam to be actuated and adapted to move the beam longitudinally in response to actuation of the beam.

2,203,149
VARIABLE SPEED DRIVE SYSTEM
Vaino Hoover, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California
Application February 11, 1935, Serial No. 5,899
3 Claims. (Cl. 74—230.17)



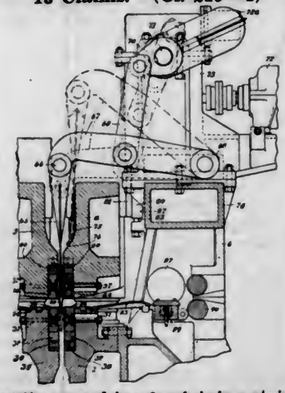
1. In an adjustable speed drive, a shaft, an adjustable pulley structure splined on said shaft and in driving relation thereto, said adjustable pulley structure including a pair of pulley sections having opposed inclined belt engaging faces, forming by relative axial adjustment variable effective pulley diameters, and means for adjusting the axial positions of said pulley sections by equal and opposite increments comprising, a member pivotally supported about an axis fixed with respect to said shaft and engaging said pair of pulley sections, whereby an axial adjustment of one pulley section results in an equal and opposite axial adjustment of the other pulley section, and means supported coaxially with respect to said structure for resiliently urging said pulley sections toward each other.

2,203,150
KITE
Harry J. Irvin, Dayton, Ohio
Application October 21, 1938, Serial No. 236,133
10 Claims. (Cl. 244—153)



1. A kite including a body portion provided with a transversely disposed slot extending throughout the width of the body portion and a horizontally disposed elevator extending at an angle with respect to the main surface of the kite, said elevator cooperating with a portion of the body to form a trihedral surface, the rear edge of the elevator projecting downwardly, said elevator extending throughout the width of the kite for deflecting at least a portion of the air currents passing through the slot downwardly so as to provide a differential of air pressures on the two sides of the elevator thereby lifting the kite.

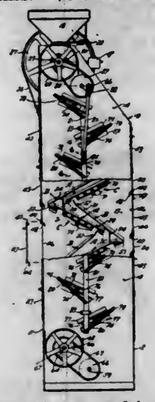
2,203,151
WELDING OF LENGTHS OF STRIP METAL
Lorenz Iversen, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 23, 1938, Serial No. 215,388
13 Claims. (Cl. 219—4)



1. A welding machine for joining strips of sheet metal in end to end relation comprising two pairs of sheet gripping members, one of which is movable horizontally toward and away from the other, one member of each pair being movable vertically with respect to the other, said members comprising rigid carrier blocks, sheet gripping dies adjustably mounted in that corner edge of each block which is nearest the corner edge of the other three blocks, and cambering means backing up the die of one of the blocks of each pair to compensate for the deflection of the blocks and dies under pressure to thereby equalize the pressure which the dies apply to the strip material in clamping the same.

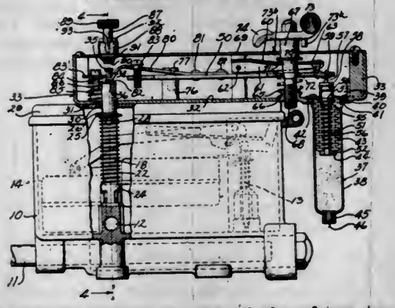
7. A welding machine for joining one length of strip metal to another comprising a pair of gripping members for engaging one of the strip ends to be joined, a second pair of gripping members to engage the other strip end, one of the members of each pair of gripping members being movable vertically with respect to the other into and out of sheet gripping position, one pair of gripping members being movable horizontally toward and away from the other, a gauger movable between the two pairs of members when they are separated, a gauger movable vertically into and out of the space between the two pairs of gripping members when said members are separated one from the other, said gauger having scrapers thereon adapted to contact the side faces of the gripping members to remove adhesions of metal therefrom, the gauger also having a wedge portion adapted to form an abutment against which the strip ends are moved for initially determining the space between them, and means for moving the gauger through a cycle in which the gauger enters the space between the two pairs of gripping members a sufficient distance to cause the scrapers thereon to move across the faces of all of the gripping members and is then partially retracted to bring the abutment-forming portion of the gauger into the path of travel of the metal strip to be welded and for thereafter withdrawing the gauger completely from the space between the two pairs of gripping members.

2,203,152
GRAIN SEPARATOR
Harry L. Johnson, Minneapolis, Minn.
Application June 20, 1938, Serial No. 214,630
5 Claims. (Cl. 209—356)



1. A grain separating machine comprising a housing, a series of superimposed and alternately and oppositely inclined screens rigidly mounted in the housing, agitator members movably supported in the housing for reciprocating movement in the direction of inclination of the screens and in contact with undersides thereof, a vertically reciprocating operating bar on the housing, and operating connections between the bar and all of the agitators for reciprocating the said agitators beneath the screen.

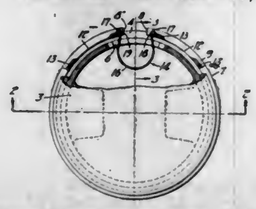
2,203,153
THERMORESPONSIVE METERING VALVE
Roy W. Johnson, Milwaukee, Wis.
Application April 1, 1936, Serial No. 72,049
8 Claims. (Cl. 236—99)



1. An oil control device of the character described comprising a casing having an outlet and provided with a valve seat adjacent said outlet, a metering valve cooperable with the valve seat to regulate flow through the outlet, means for biasing the metering valve to open position, a

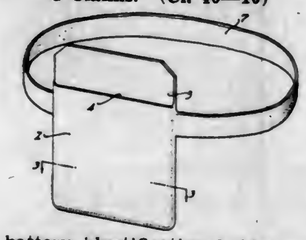
thermo-power-element supported adjacent to and disposed exteriorly of the casing, a lever fulcrumed within the casing and having one arm interconnected with the thermo-power-element to be actuated thereby, said lever having one of its arms extending toward the metering valve, the upper end of the metering valve having a shoulder, a stiffly resilient finger having one end rigidly secured to the arm of the lever adjacent the valve and having its other end projecting beyond the lever and engaging the shoulder of the valve, screw means cooperable with the finger and the lever to flex the finger and change its position with respect to the lever, and means for limiting the movement of the lever in the direction in which it tends to cause the finger to move the valve toward closed position, said screw means operating conjointly with said last-named means to vary the lower limit of the movement which the finger transmits from the lever to the valve thereby determining the low fire position of the valve.

2,203,154
PISTON RING
Charles F. Johnston, Oakland, Calif.
Application March 5, 1937, Serial No. 129,151
6 Claims. (Cl. 309—39)



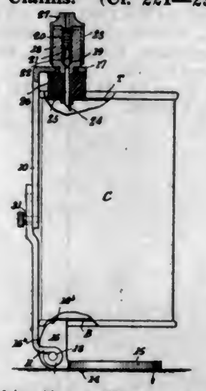
1. A piston ring comprising, a split annular body flexible substantially throughout its length and having recesses in the ends of the body formed by contiguous depressions in the end and outer faces of such ends, and an expansion spring having a body portion in the form of a loop extending transversely into the area defined by the inner periphery of the body and having at the ends thereof intermediate portions releasably engaging in the part of said depressions formed in said end faces and end portions releasably engaging in the part of said depressions formed in said outer faces.

2,203,155
CARD HOLDER
Leon Jullien and John E. Jullien, Orcutt, Calif.
Application March 29, 1939, Serial No. 264,762
3 Claims. (Cl. 40—10)



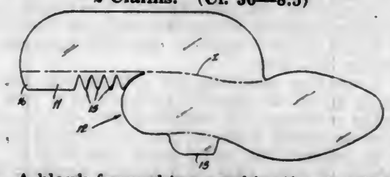
1. A battery identification holder comprising two sheets of acid resistant material lying face to face and secured along three edges to form a pocket for receiving an identification card, said sheets forming unbroken front and back walls for the pocket to protect the enclosed card against attack by acid, the back wall sheet having an extension to provide a protective backing for the card above the pocket opening, and means connected with one of said sheets for attaching the pocket to the battery.

2,203,156
COMBINED CONTAINER OPENER AND LIQUID DISPENSER
Julian S. Kahn, New York, N. Y.
Application May 4, 1936, Serial No. 77,701
Renewed September 30, 1939
9 Claims. (Cl. 221—23)



9. The combination with a pressure-filled liquid container having rupturable portions, of a combined rupturing and dispensing device comprising a rupturing member, sealing means to surround the portion of the container to be ruptured, said sealing means extending beyond the rupturing member to seal said member to the container in advance of the rupturing, and valve means for controlling the flow of pressure-impelled liquid from the container.

2,203,157
SHOE
Calvin C. Klaus, Highland, Ill.
Application February 23, 1939, Serial No. 257,831
2 Claims. (Cl. 36—8.5)



1. A blank for making combination insoles and counters comprising a part of the general shape of a shoe insole and a flap projecting rearwardly from one side of said insole part and shaped to form the counter, and a second flap on the insole part of the blank opposite to the first flap.

2,203,158
CHISEL FOR REMOVING BOILER TUBES
Isidor Klein, New York, N. Y.
Application December 17, 1938, Serial No. 246,383
5 Claims. (Cl. 30—168)

1. A chisel for removing boiler tubes, comprising a shank having a beveled front end portion with a round bottom side and an upwardly inclining top side, and a pointed front tip, and a

vertical wall on said top side and having its front edge set in from said pointed front tip and



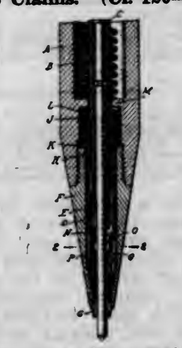
formed with a knife cutting edge, a small area in said upwardly inclining top side at the base of said vertical wall being flattened.

2,203,159
CULTIVATING TOOL
Robert S. Klopfenstein, Wichita, Kans.
Application June 13, 1938, Serial No. 213,412
1 Claim. (Cl. 97—68)



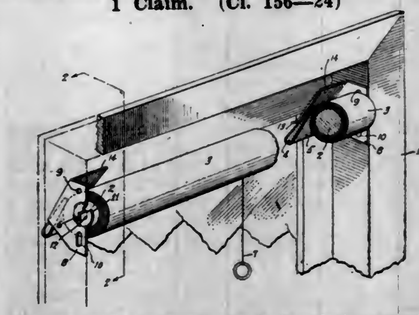
In a cultivating tool, a tool comprising a solid blade body and a socket medially secured to one side of the blade, said blade being triangular in contour, so that two of its edges meet, forming a point for advanced penetration of the blade as moved, each edge extending rearward and outward from the body of the blade and having a plurality of serrations spaced therealong, each of which have a cutting edge, the cutting edges slantingly positioned rearward and outward from their respective edges of the blades, and a handle, one end of which is secured in the socket by a bolt, a mould board apertured, the aperture to be engaged by the bolt, and a lip integrally joined to the mould board and turned back on itself to engage the blade as anchoring means thereto.

2,203,160
MAGAZINE PENCIL OF THE TYPE COMPRISING A LEAD-CONVEYING TUBE
Theodor Kovàcs, Vienna, Germany, assignor to Firma Guenther Wagner, Hanover, Germany, a corporation of Germany
Application December 19, 1938, Serial No. 246,684
In Germany December 20, 1937
10 Claims. (Cl. 120—17)



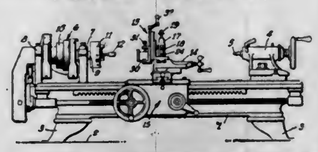
1. A magazine pencil comprising a barrel, a lead-conveying tube, into which the leads are automatically delivered from a magazine, which tube is mounted in the barrel and can be pressed forward by hand against the action of a return spring to impart a step-by-step feed to the lead, a feed chuck at the forward end of the lead-conveying tube, a guide chuck at the pointed end of the barrel, a sleeve which co-operates with the feed chuck to cause the chuck to grip the lead during the forward stroke and means whereby said feed chuck and said guide chuck are coupled together by said sleeve so as to be retractable in common by said return spring.

2,203,161
COMBINED SHADE SUPPORT AND STOP
George William Lang, New York, N. Y.
Application September 17, 1938, Serial No. 230,348
1 Claim. (Cl. 156—24)



A one piece integral shade bracket comprising a flat plate provided with holes for the passage of attaching nails or screws to mount said plate in upstanding face abutting relation to and on the inner edge of a window frame, an integral perforated boss stamped up from said plate to receive and support a shade trunnion, and a stop flange integral with said plate and formed by bending a portion of the width of the plate into inclined right angular relation to the frame abutting portion of the plate and into substantial tangency with the contiguous end portion of a wound shade supported by the bracket to form with said shade a re-entrant braking angle, with said stop flange overlying the contiguous end of the shade and terminating short of the opposite end thereof.

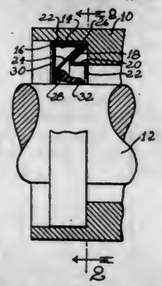
2,203,162
MILLING ATTACHMENT FOR MACHINE TOOLS
William H. Lee, Los Angeles, Calif.
Application May 12, 1939, Serial No. 273,259
9 Claims. (Cl. 90—59)



1. In a milling attachment for use on a machine tool having a compound rest and a tool post insertable in a T slot in said compound rest, the combination of: a base member; rib means formed on the under side of said base member and engageable with said T slot; an opening through said base member for receiving said tool post to permit clamping of said base member to said compound rest by said tool post; a work

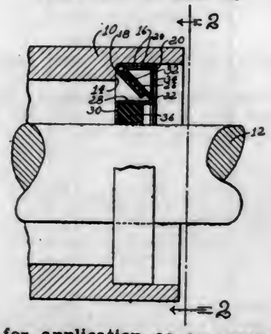
holding device secured to said base member; and means on said work holding device for securing a work-piece thereto.

2,203,163
SEAL
Simpson C. Leonard, Jr., Detroit, Mich.
Application June 2, 1938, Serial No. 211,346
2 Claims. (Cl. 288—3)



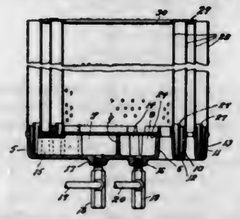
1. An oil seal comprising an annular housing having an axially extending wall and spaced inwardly extending side walls, one of said side walls including angularly disposed portions cooperating with said axially extending wall to form a substantially Z-shaped structure in cross section, a flanged metallic ring member substantially Z-shaped in cross section having flanged portions arranged in substantially parallel relationship with respect to said angularly disposed portions respectively and having its outer axially extending flange positioned adjacent the inner periphery of said housing and between said side walls, a washer between one of said flanged portions and one of said angularly disposed portions, an annular packing member carried by the inner periphery of the other of said flanged portions of said flanged ring member, and a sealing washer between one of said side walls and said metallic ring member.

2,203,164
SEAL
Simpson C. Leonard, Jr., Detroit, Mich.
Application June 2, 1938, Serial No. 211,347
1 Claim. (Cl. 288—3)



A seal for application as an assembled unit about a shaft comprising an annular housing having an outer axially extending wall and a side wall extending diagonally toward the axis of said housing, said walls forming a substantially V-shaped structure in cross section, a packing carrying member in said housing including an outer axially extending portion abutting said housing outer wall and a flanged part, a portion of the latter extending diagonally toward said housing axis and another portion thereof extending substantially axially with respect to said housing, said flanged part terminating in a radially extending portion, said outer axially extending portion and said diagonally extending portion forming a substantially V-shaped structure in cross section nested in said first mentioned V-shaped structure, a packing member having angularly disposed face portions moulded to the adjacent face portions respectively of the radially and axially extending portions of said flanged part, a radially extending washer abutting the free outer edge of the axially extending portion of said packing carrying member and closing the open portion of the V-shaped structure, and a turned over portion of said housing on said washer holding said parts in assembled relation as a unit.

2,203,165
OIL BURNER
Gabriel Levine, West Hartford, Conn.
Application January 25, 1937, Serial No. 122,128
5 Claims. (Cl. 158—87)



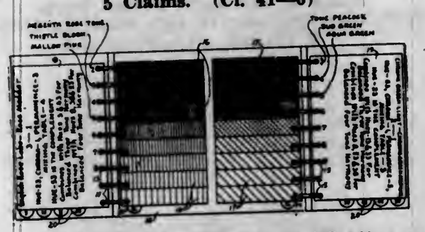
1. For a burner of the character described, a base comprising a unitary structure including a central portion provided with a covered recess, an intermediate portion and an outer portion each having a fuel groove surrounding the said recess, a wall dividing said recess to provide a plurality of vaporizing chambers; one of said vaporizing chambers being connected by means of a port to one of said fuel grooves and another of said vaporizing chambers being connected by means of a separate port to the other of said fuel grooves and means for connecting a supply of fuel to said vaporizing chambers.

2,203,166
CARD INDEX CABINET
Forest Link, Silverton, Ohio, assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application May 18, 1938, Serial No. 208,639
4 Claims. (Cl. 129—30)



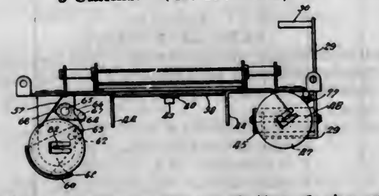
1. A follower for a card index drawer having grooves in the side walls thereof, said follower comprising a plate provided with portions disposed for sliding movement in said grooves and a wedging member pivoted to the rear wall of said plate, said wedging member extending away from said plate above and below said pivot, the lower limb of said wedging member having portions slightly wider than said grooves so as to wedge in the grooves of the drawer when said lower limb is pivoted toward said plate, and yieldable means urging said wedging member to pivot in the aforesaid direction.

2,203,167
MEANS FOR IDENTIFYING AND REPRODUCING COLOR HARMONY
Thomas F. Lodwick, Mystic, Iowa
Application January 18, 1939, Serial No. 251,589
5 Claims. (Cl. 41—6)



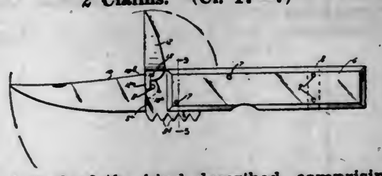
2. In a directory for color identification and reproducing, a base member, a plurality of binding elements secured to said base member, a directory operatively mounted on said binding elements comprising, a plurality of color tone cards operatively secured by said binding elements and of progressive values, a color reference page operatively mounted on said elements and adjacent said color tone cards, indicative reference indicia on said reference page, a plurality of binding elements secured to said base member spaced apart and parallel with said first mentioned binding elements and comprising, a plurality of color tone cards complementary to said color tone cards of said first mentioned directory and operatively mounted on said second mentioned binding elements, a color reference sheet operatively mounted on said second mentioned binding elements adjacent said color tone cards, indicative reference indicia on said reference page, indicia for identifying each of the color hues on said color tone cards, indicia adjacent each of said color tone cards indicating its complementary and harmonizing colors, and accurate information indicia for reproducing each of said tonal values indicated on said color tone cards.

2,203,168
PRINTING MECHANISM
Albert E. Long, deceased, by Florence B. Long, administratrix, Chicago, Ill., assignor, by mesne assignments, to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application July 9, 1936, Serial No. 89,795
5 Claims. (Cl. 197—173)



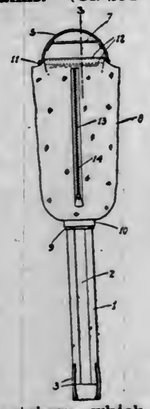
1. The combination in a printing device of a casing having a sight opening therein, printing mechanism, an ink ribbon cooperating therewith, ribbon feed mechanism for feeding said ribbon past said printing mechanism comprising a ribbon spool, a visual indicator mounted for arcuate movement between said spool and said sight opening about an axis extending longitudinally of the axis of said spool, and means controlled by said ribbon near the end of its feeding movement for moving said indicator into observable position behind the sight opening in said casing.

2,203,169
TOOL FOR CLEANING AND DRESSING FISH
Arvid Lovgren, St. Paul, Minn.
Application August 20, 1938, Serial No. 225,853
2 Claims. (Cl. 17—7)



1. A tool of the kind described, comprising a bifurcate handle with oblong prongs, oblong side plates seated at the inner faces of the handle prongs in parallel and slightly spaced relation to provide a blade receptacle therein between, the predetermined forward ends of the plates being extended beyond the handle endwise and at one side, the exposed margins of the plates at the one side being serrated to provide rows of scaling teeth, a cutting blade pivoted between the plates at the forward extended end thereof, the blade being arranged to open out axially with the handle and to close down into the plates between the rows of scaling teeth, and a pair of complemental fin blades also pivotally mounted at the forward end of the plates, the fin blades being mounted at the outer sides of the side plates and with their point of pivotal mounting disposed immediately back of the point of pivotal mounting of the cutting blade, these fin blades being arranged to close reversely to the mode of closure of the cutting blade and to open out perpendicularly to the handle, the rivets forming the pivotal mountings of the several blades being adapted to serve mutually as stops for one another to maintain the blades in their opened and operative positions.

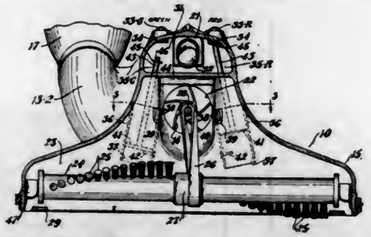
2,203,170
BALL RETRIEVER
Ian Macdonald, Modesto, Calif.
Application November 13, 1939, Serial No. 304,075
6 Claims. (Cl. 294—19)



1. In a ball retriever which includes an up-

standing ball receiving tube and a ball receiving and checking assembly at the lower end of the tube; a sack surrounding the tube adjacent its upper end and depending some distance below said end, the sack being closed at its lower end about the tube and being provided with a normally closed discharge opening for balls.

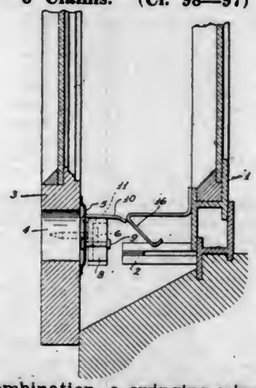
2,203,171
SUCTION CLEANER
Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application May 8, 1936, Serial No. 78,624
2 Claims. (Cl. 15—16)



1. In suction cleaning apparatus, a fan housing, a fan in said housing, a nozzle mounted on the fan housing having lips forming an entrance mouth in which the suction becomes increased to a first predetermined proper cleaning suction when the nozzle lips are located at a correct position with respect to the surface being cleaned, a dust bag connected with the fan housing so as to filter the dust and dirt laden air discharged by the cleaner, first signal means, first suction operated means operatively associated with the first signal means, second signal means, second suction operated means operatively associated with the second signal means, means communicating with the first suction operated means and with the suction side of the fan above said nozzle lips, means communicating with the second suction operated means and with the suction side of the fan above said nozzle lips, said first suction operated means and communicating means being so constructed and arranged that the first signal means is operated by the first suction operated means the instant that the first predetermined proper cleaning suction exists in the nozzle, said second suction operated means and communicating means being so constructed and arranged that the second signal means is operated by the second suction operated means the instant that a second particular degree of suction exists in said entrance mouth greater than said first predetermined proper cleaning suction, said second particular degree of suction being that established as coincident with an undesirable accumulation of dust and dirt in the dust bag, whereby the signals indicate in combination the several conditions of cleaner operation.

2. In suction cleaning apparatus, a nozzle having a passage for the suction air, the suction in the passage varying during use of the apparatus, first signal means for indicating the existence or non-existence of one particular suction range in the passage coincident with a predetermined nozzle adjustment with respect to a surface being cleaned, and second signal means for indicating the existence or non-existence of another particular suction range in the passage greater than the first and coincident with a predetermined dust bag condition, suction actuated means associated with the passage and with the first signal means for operating the first signal means, and suction actuated means associated with the passage and with the second signal means for operating the second signal means, the signal operating means being actuated by different suctions in the passage whereby the signal means conjointly indicate the several conditions of cleaner operation.

2,203,172
WINDOW CONSTRUCTION
Henry R. McCleary, Detroit, Mich.
Application December 10, 1937, Serial No. 179,043
8 Claims. (Cl. 98—97)



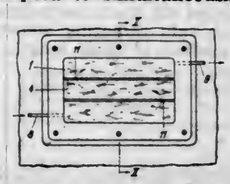
1. In combination, a swinging window sash, a storm sash mounted in spaced relation thereto, ventilating means in said storm sash, a cover for said ventilating means pivotally mounted on said storm sash, cam means mounted on said swinging window sash, and means mounted on said cover engageable with said cam means for opening said cover when said swinging window sash is opened and closing said cover when said swinging window sash is closed.

2,203,173
FELTED FABRIC SHEET
William J. Moeller, Mount Healthy, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Application September 6, 1935, Serial No. 39,497
2 Claims. (Cl. 92—3)

1. A waterlaid web of felt composed of furnish stock comprising about 75% newspaper, about 10% flock derived from woolen fabrics, and about 15% refined wood pulp having an alpha-cellulose content in excess of 93%.

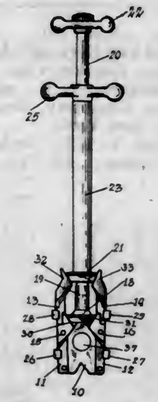
2,203,174
VEHICLE WINDOW
Justus Muttray and Wilfried Vogel, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany
Application December 15, 1937, Serial No. 179,876
In Germany December 28, 1936
4 Claims. (Cl. 20—40.5)

1. In an aircraft, a double-walled defrosting window subject to excessive wind pressure from outside and comprising a relatively thick inner pane, a relatively thin but substantially rigid outer pane in spaced relation thereto, means substantially sealing the space between said panes, and controllable means for building up within said space a variable temperature and uniform pressure adapted to simultaneously inhibit the



formation of frost on the outside of the outer pane and substantially counterbalance excess pressure exerted thereon from without.

2,203,175
PISTON EXPANDING TOOL
Sheffield F. Oliver, Modesto, Calif.
Application April 25, 1939, Serial No. 270,035
3 Claims. (Cl. 153—80)



1. A tool of the class described embodying expansible cooperating pairs of links carrying piston expanding bars arranged in pairs, one above the other, means associated with said tool for expanding said links, said means including cam elements formed on said links, and threaded adjusting elements cooperating with said links and carrying bevelled members capable of contacting said cam elements, said threaded elements being arranged to selectively operate said bevelled members, whereby the piston expanding links and bars may be selectively expanded to engage the interior wall of the piston skirt at different points relative to the end thereof.

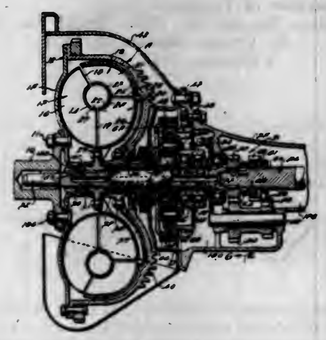
2,203,176
TIME CONTROLLED SUBTERRANEAN CAMERA
Willard J. Opocensky, Long Beach, Calif.
Original application March 23, 1937, Serial No. 132,524. Divided and this application April 1, 1939, Serial No. 265,404
4 Claims. (Cl. 161—26)

1. A subterranean camera comprising a housing, a camera mounted within the housing, and in axial alignment with the housing, a shutter on the camera, switch means mounted adjacent said shutter, said switch means being operable as the shutter is actuated, a chronometer, means extending from the chronometer to the shutter, whereby said shutter is actuated in time relation with the chronometer, light bulbs in the housing, a battery in the housing, said battery being electrically connected to the light bulbs, and to said



switch, whereby electrical energy is transmitted to the light bulbs.

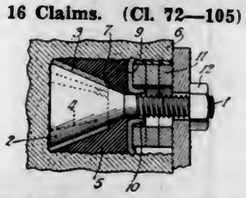
2,203,177
POWER TRANSMISSION
Herbert F. Patterson, St. Clair Shores, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 26, 1937, Serial No. 171,162
14 Claims. (Cl. 74—189.5)



1. In a motor vehicle power transmission, a driving shaft adapted to be driven by a motor of the vehicle, a driven shaft adapted to drive the vehicle, a fluid coupling of inflo-turbine type for drivingly connecting said shafts including a rotatable impeller having a plurality of segmentally shaped radially disposed fluid circulating passages formed therein for circulating the fluid in said coupling, said coupling further including a plurality of runners each having a plurality of segmentally shaped radially disposed fluid circulating passages formed therein, and means including the disposition of the runners whereby said runners successively receive the fluid circulated by said impeller, one of said runners receiving the fluid directly from said impeller and another of said runners discharging the fluid directly to said impeller, means for establishing a direct drive connection between said last runner

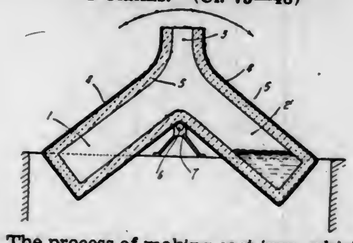
and said driven shaft, means including a torque multiplying gear train for drivingly connecting the other runner to said driven shaft, said last means also including overrunning clutch means for permitting overrun of said other runner relatively to said shaft.

2,203,178
ANCHORING DEVICE
Ralph S. Peirce, Hinsdale, Ill.
Original application February 20, 1930, Serial No. 429,978. Divided and this application July 27, 1936, Serial No. 92,807. Renewed October 27, 1939
16 Claims. (Cl. 72—105)



1. In an anchoring device of the expansion insert type, the combination with expanding means and expansible members adapted to be expanded thereon, of an impacting member for exerting pressure on the expansible members including a frangible element of asbestos adapted to collapse upon a predetermined pressure placed thereon.

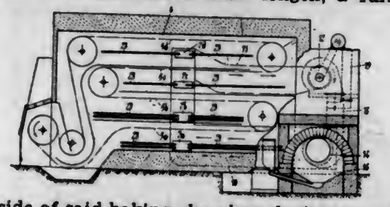
2,203,179
PROCESS FOR THE MANUFACTURE OF HEMATITE CAST IRON
René Perrin, Paris, France, assignor to Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France
Application March 14, 1938, Serial No. 195,842
In France March 16, 1937
4 Claims. (Cl. 75—48)



1. The process of making cast iron, which comprises subjecting molten mild steel and solid recarburizing material simultaneously to a series of successive rapid pourings which are effected with a force sufficient to insure during these pourings an intimate and turbulent mixture of the metal and recarburizing material, and during or at the end of the carburizing reaction adding solid metallic or alloying elements which are caused to dissolve by means of the heat rendered available by reason of the difference of the melting point of the initial metal and that of the recarburized metal.

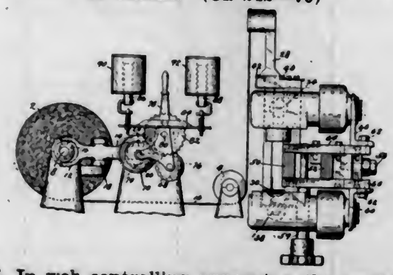
2,203,180
HEATING OF BAKERS' AND LIKE OVENS
John Edward Pointon and Claude Dumbleton, Peterborough, England, assignors to Baker Perkins Incorporated, Saginaw, Mich.
Application February 12, 1940, Serial No. 318,454
In Great Britain December 16, 1938
1 Claim. (Cl. 107—63)

In a heating system for ovens wherein the baking chamber is heated by a plurality of elongated heat-conductive radiating elements, in combination, a flue closed off from the baking chamber and into which said radiating elements extend for a minor portion of their length, a furnace



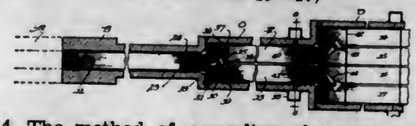
outside of said baking chamber, ducts connecting said furnace and flue in a continuous closed circuit, means for circulating hot products of combustion from said furnace through said circuit, and means for venting off a suitable portion of said gases from the circuit.

2,203,181
WEB HANDLING APPARATUS
Adolph Potdevin, Garden City, and Robert L. Richmond, Yonkers, N. Y., assignors to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application July 1, 1938, Serial No. 216,926
12 Claims. (Cl. 242—76)



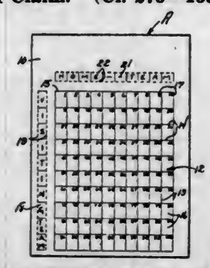
6. In web controlling apparatus, the combination of means for selectively shifting a traveling web laterally, and means for controlling said shifting mechanism, comprising a pair of light sources and a pair of cooperating photoelectric units, a follower constantly engaging the edge of the web, and a shutter carried by said follower for controlling the passage of light rays from the light sources to the photoelectric units.

2,203,182
ANNEALING LEHR AND METHOD OF ANNEALING GLASSWARE
William Stanley Rendall, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application November 21, 1936, Serial No. 112,147
7 Claims. (Cl. 49—47)



4. The method of annealing glassware comprising providing at least three isolated areas of predetermined longitudinal dimension and of progressively increased transverse dimension, controlling the temperature of each area independently of the others, conveying the ware in a line through the first area at a predetermined rate of speed to expose the ware to the effect of the temperature in that area for a predetermined length of time, thereby reducing the temperature of the ware from the upper annealing point to the lower annealing point, continuously forming the ware into two rows and transferring the same to the second area while preventing the flow of air between the areas, and conveying the ware through the second area at a predetermined rate of speed, thereby subjecting the ware to the effect of the temperature in the second area while in laterally spaced relation to effect a cooling of the ware, forming said two lines of ware into four lines and transferring the same to the third area while preventing the flow of air between the areas, and conveying the ware in said four lines through the third area to expose the ware to the effect of the temperature in that area to effect a final cooling of the ware.

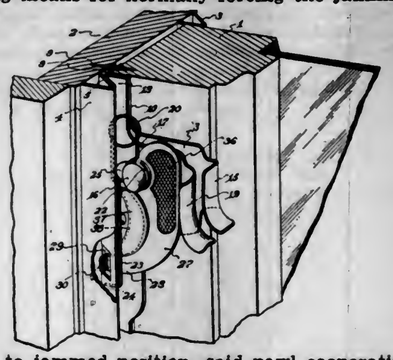
2,203,183
GAME
Edward Schuman and Nelson A. Severson, Madison, Wis.
Application June 17, 1938, Serial No. 214,322
1 Claim. (Cl. 273—139)



A game board of the character described comprising a multiple ply elongated board-like body presenting matched flat front and back sections unitary with each other, the front section being provided with an exposed playing field involving longitudinally and transversely disposed columnar rows of spaces having therein in successive transverse order identifying digits ranging numerically from one to one hundred, the digits being located uppermost in the spaces, separated strips arranged at right angles to each other having weakened connections with the front section for separation therefrom, one of the strips being located at one side and the other above the said spaces, digits ranging in irregular order from zero to nine concealed by said strips and visible on the removal of said strips along the weakened connections thereof with the front section, and identifying matter at the outer surface of the said separable strips indicative of offensive and defensive characteristics.

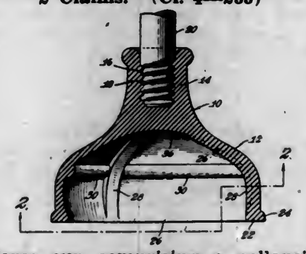
2,203,184
SASH LOCK AND HOLDING DEVICE
George E. Srack, Tulsa, Okla.
Application December 18, 1937, Serial No. 180,651
Renewed October 18, 1939
10 Claims. (Cl. 20—52)

1. The combination with a sash stile, an inside strip adjacent the stile, a window frame side to which the inside strip is anchored, the inner side of the inside strip being bevelled and at an acute angle to the stile, of a wedge shaped jamming strip between the stile and inside strip and adapted to be jammed between the bevelled side of the inside strip and the stile of a gravity actuated pawl pivotally mounted at a fixed point, spring means for normally forcing the jamming



strip to jammed position, said pawl cooperating with recesses in the inside strip through the jamming strip for limiting the movement of the stile.

2,203,185
FORCE CUP
Andrew Walus, Brooklyn, N. Y.
Application July 24, 1939, Serial No. 286,277
2 Claims. (Cl. 4—255)

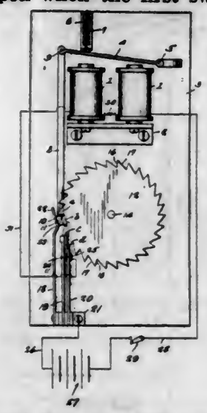


1. A force cup comprising a collapsible cup body provided with an operating handle, said cup body having a seating face, radial rib means formed integrally with cup body on its inner face, and segmental ribs formed integrally with the cup body on its inner face, said segmental ribs having their ends spaced from the radial rib means and being located in parallelism with said seating face.

2,203,186
ELECTRIC CLOCK MECHANISM
John Zubek, Detroit, Mich.
Application December 13, 1938, Serial No. 245,510
1 Claim. (Cl. 185—40)

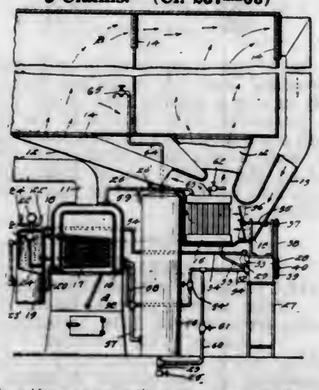
A driving mechanism comprising a circuit, an electro-magnet in the circuit, a switch in the circuit and including first and second members cooperating resiliently to close the circuit when in normal positions, a rotatable ratchet wheel including teeth each having an inclined edge and a shoulder, a resiliently-acting pawl-throw, an armature responsive to the magnet, a pawl actuated by the armature to cause the pawl to move along the inclined edge of one tooth, displace the pawl-throw from normal position, and render it active, the pawl-throw reacting to normal position and engaging the pawl with the shoulder of said tooth, the pawl cooperating with the first switch member to displace it from normal position and open the circuit, resilient means for operating the pawl to cause it to rotate the wheel

whilst the circuit is open, and to cause the pawl to free itself from the pawl-throw and permit the first switch member to return to normal, circuit-closing position, another tooth meanwhile engaging the second switch member and holding the switch open when the first switch member



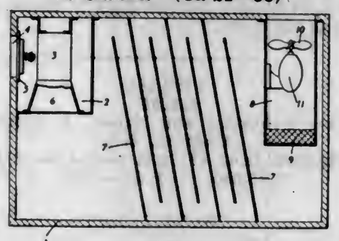
moves to normal, circuit-closing position, thereby enabling the resilient means to complete its operation whilst the circuit is open, the rotation of the wheel causing said other tooth to clear the second switch member and permit it to return to normal position and to circuit-closing relation with respect to the first switch member.

2,203,187
HEATING APPARATUS
Marshall Arter, East Peoria, Ill.
Application November 17, 1938, Serial No. 241,057
5 Claims. (Cl. 237—63)



1. A heating apparatus for association with a furnace having a water jacket, comprising the combination of distributing conduits and a return conduit communicating with the enclosures to be heated, a casing having the conduits communicating therewith, a water radiator within said casing, a supply conduit connection between the radiator and the water jacket of the furnace, a water tank adapted to be partially filled with water and the portion thereof above the water comprising a steam dome, a supply conduit for introducing water into the said water tank, a heating coil within the furnace and communicative with said tank, a steam engine, a conduit connecting the steam engine with the steam dome of the water tank, a water pump operated by said engine and communicative with the radiator and said tank for effecting circulation of heated water through the radiator, and a draft fan operated by said steam engine and arranged within said casing in confronting relation to the said radiator intermediate the radiator and the return conduit to force the cooled air from the return conduit through the radiator and into the said distributing conduits.

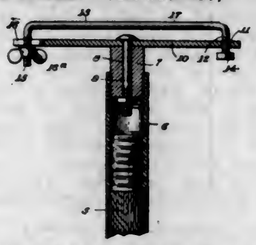
2,203,188
TREATMENT OF AIR
Henri Bernard Beer, The Hague, Netherlands
Application November 22, 1937, Serial No. 175,945
In Great Britain December 8, 1936
10 Claims. (Cl. 21—53)



1. A process for the treatment of air consisting in ozonizing the air to be treated so as to sterilize it and thereafter splitting up the ozone in the ozonized air to render the sterilized air practically free from ozone by subjecting the ozonized air to the action of a metallic oxide, in a dry condition at normal temperature.

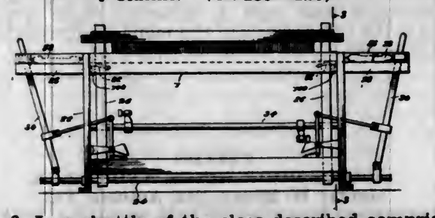
2. An apparatus for treating air, having in combination an ozonizer for ozonizing air which enters the apparatus; together with metallic oxide means in a dry condition and at normal temperature for splitting up the ozone in said ozonized air before said air leaves the apparatus.

2,203,189
MOP
Tony Casinello, Detroit, Mich.
Application October 26, 1938, Serial No. 237,126
3 Claims. (Cl. 306—30)



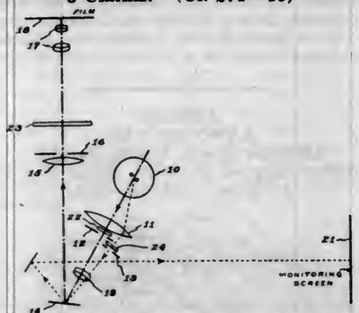
1. Means of attaching an article to a handle, comprising, a plate for carrying said article, a stud having one end engaging said plate and the other end provided with threads, a sleeve having one end threadedly connected to the threaded end of said stud and the opposite end threaded for connection with the end of a handle, a bolt extending through said plate and stud and having its headed end engaging said plate and its threaded end disposed within said sleeve, and a nut mounted on said threaded end of the bolt and coacting with the latter to secure said plate to said stud.

2,203,190
BOBBINLESS LOOM
Arthur M. De Gezelle, Sr., Thorndale, Pa.
Application November 18, 1938, Serial No. 241,247
9 Claims. (Cl. 139—126)



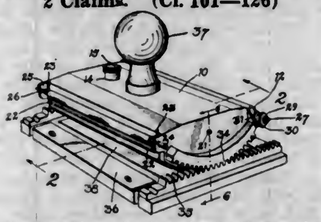
6. In a shuttle of the class described comprising an elongated body having a centrally disposed cavity therein and recesses in the upper portion thereof adjacent each end thereof, a gripper pivotally mounted in each of said recesses and normally having its upper surface flush with the upper surface of the body, an actuating mechanism in said shuttle connecting said grippers and a lost motion connection in said actuating mechanism whereby one or the other of the grippers is moved to a predetermined position before actuating the other gripper.

2,203,191
SOUND RECORDING
Glenn L. Dimmick, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1936, Serial No. 76,901
3 Claims. (Cl. 274—46)



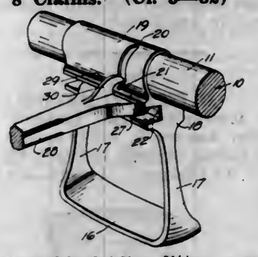
1. The method of sound recording comprising the step of directing a beam of modulated light within a predetermined band of light frequencies upon a photographic emulsion having high sensitivity and substantially complete absorption in that frequency band.

2,203,192
DUPLICATING DEVICE
Max J. Doppelt, Chicago, Ill.
Application April 2, 1938, Serial No. 199,610
2 Claims. (Cl. 101—126)



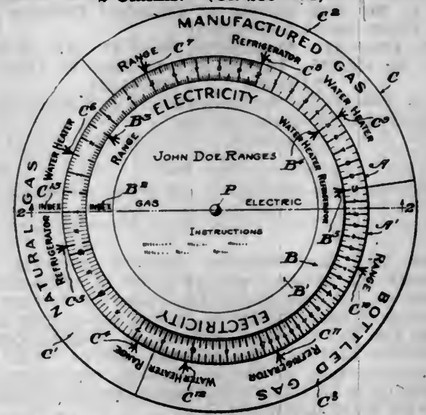
1. A duplicating device, including a base having racks, and a printing platen having a reservoir and a stencil attached thereto and being detached from said base and having an arcuate printing surface, said platen having segmental gears adapted to mesh with said racks upon superposing said platen on said base, said gears being inset from the periphery of said printing surface and having their teeth terminating inwardly thereof.

2,203,193
FOLDING LITTER
Joe J. Ettinger, Warsaw, Ind.
Application February 27, 1940, Serial No. 321,114
8 Claims. (Cl. 5—82)



1. In a collapsible folding litter, a pair of sectional side poles each having a hinge at its central portion operable to permit folding of the pole sections on each other in one rotational position and to resist folding of the pole sections in a second rotational position, means rotatably supporting the pole sections remote from the hinges, said means being arranged in oppositely disposed pairs, folding stretcher bars connecting each pair of said means, and cooperating elements on said pole sections and stretcher bars arranged to prevent rotation of the poles into folding position upon the stretcher bars being in unfolded position and permitting rotation of the poles when said stretcher bars are in folded position.

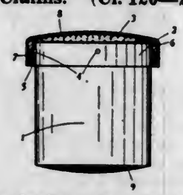
2,203,194
CALCULATOR
Robert T. Frazier, Chattanooga, Tenn., assignor to Cavalier Corporation, Chattanooga, Tenn., a corporation of Tennessee
Application November 6, 1939, Serial No. 303,112
2 Claims. (Cl. 235—84)



1. A calculator for determining and comparing average costs of operation of electric and gas appliances, comprising three relatively rotatable coaxial members; the intermediate member carry-

ing at its periphery a circular logarithmic scale extending entirely across the exposed peripheral portion thereof; one end member having an index line and at least one marking on its periphery cooperating with said scale, said marking being disposed with respect to the index line to accord with the national average consumption of electric current for a given period for an electric appliance; and the other end member having an index line and at least one marking on its periphery cooperating with said scale, said marking being disposed with respect to the index line of the last mentioned member to accord with the national average gas consumption for a like period for a gas appliance used for the same purpose as the electric appliance.

2,203,195
BLOTTING DEVICE
Percy Joseph Gillespie, London, England
Application August 8, 1939, Serial No. 289,055
In Great Britain January 12, 1939
10 Claims. (Cl. 120—24)



1. A blotting device comprising, in combination, a block of absorbent material, one of the surfaces of the block being the absorbent surface, a holder embracing a surface of the block opposite to said absorbent surface, and a gripping member removably engaging the holder, said gripping member having a recess adapted to receive the absorbent surface and abrading means located in the recess to serve under relative movement of the block and said member to clean the absorbent surface.

2,203,196
POLYAZO DYESTUFFS AND PROCESS OF MAKING SAME
Walter Hanhart, Riehen, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application June 15, 1937, Serial No 148,414. In Switzerland June 17, 1936
9 Claims. (Cl. 260—143)

1. Process for the manufacture of polyazo dyestuffs of the general formula

$$R_2\text{—}N{=}N\text{—}R_1\text{—}x\text{—}R_1\text{—}N{=}N\text{—}R_2$$
$$\quad\quad OH\quad\quad\quad OH\quad OH\quad\quad\quad OH$$

wherein x is a member of the group consisting of

$$-N{=}N- \text{ and } -N\!\!<\!\!\begin{matrix}-\\-\end{matrix}\!\!>\!\!N-$$
$$\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad O$$

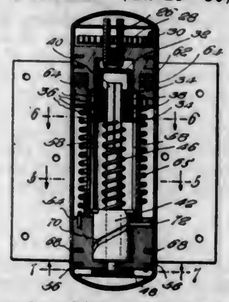
the two R_1's represent benzene radicals of which the hydroxyl-groups stand in ortho-position to the two azo-groups, wherein further x stands in para-position to the two azo-groups and the two R_2's represent radicals of coupling components of which the hydroxyl-groups stand in ortho-position to the azo-groups, consisting in heating in an alkaline medium monoazo dyestuffs of the general formula

$$R_2\text{—}N{=}N\text{—}R_1\text{—}NO_2$$
$$\quad\quad OH\quad\quad\quad OH$$

wherein R_1 and R_2 have the signification indicated above, the two hydroxyl groups of the radicals R_1 and R_2 stand in ortho-position to the azo-group, and wherein the nitro-group stands in para-position to the azo-group, with reducing agents in such a manner that the nitro-group is converted into such a reduction stage which links the two radicals of the monoazo-dyestuff by a member of the group consisting of

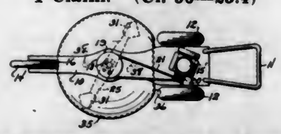
$$-N{=}N- \text{ and } -N\!\!<\!\!\begin{matrix}-\\-\end{matrix}\!\!>\!\!N-$$
$$\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad\quad O$$

2,203,197
SPRING DOOR HINGE AND CHECK
Murray W. Henry, San Antonio, Tex.
Application November 30, 1939, Serial No. 306,980
6 Claims. (Cl. 16—50)



1. A spring door hinge and check of the character described, comprising left and right hinge leaves with interlocking, integrally formed casing portions, spring means for braking the door as it opens, and spring means for closing the door automatically at a uniform rate of speed.

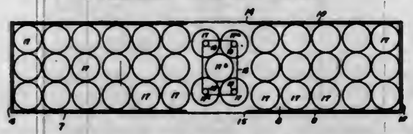
2,203,198
LAWN MOWER
Herman Junge, Annapolis, Md.
Application August 30, 1939, Serial No. 292,713
1 Claim. (Cl. 56—25.4)



A lawn mower comprising an elongated base plate, a front ground wheel on the plate, an axle at the rear end of the plate, ground wheels on the axle outside of the plate, an internal combustion engine on the plate above the rear of the rear axle, an upwardly inclined handle on the rear end of the plate, the weight of the engine tending to tip up the front end of the plate on the rear wheels as fulcrums when the handle is depressed, a vertically disposed shaft journaled in the plate and projecting above and below the plate, the front ground wheels, the shaft and the engine being disposed on the longitudinal median line of the plate, a belt drive connecting the engine with the upper end of the shaft, a substantially circular convex guard plate secured to the bottom of the plate concentric with the shaft and having a straight rear edge adjacent to the rear ground wheels, the plate projecting laterally beyond both rear ground wheels and having a beaded edge adapted to engage obstructions on both longitudinal sides of the plate to permit the lawn mower operating close to rows of plants and between rows of plants without

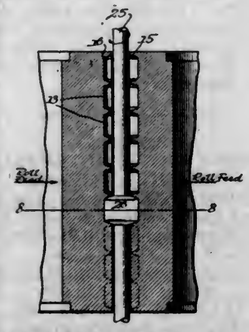
interference by the rear ground wheels, an arched cutter bar centrally secured to the lower end of the shaft below the plate, and cutter blades on the ends of the bars having upturned rear ends forming fans to lift fallen grass to be cut by the blades, the convex guard plate projecting laterally beyond the path of the cutter blades to deflect severed grass back to the ground, the convex shape of the guard plate promoting grass outside of the plate being drawn laterally underneath the plate by suction of the blades to be cut without the lawn mower being maneuvered too close to fences, shrubbery and the like.

2,203,199
SHIPPING PACKAGE
Frank M. Kelly, Cincinnati, Ohio
Application October 17, 1938, Serial No. 235,321
5 Claims. (Cl. 105—369)



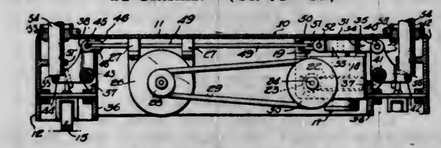
1. A shipping package which comprises a freight conveyance having a floor, opposed sides, and opposite ends, at least one of said sides being provided intermediate the ends with a doorway through which the conveyance may be loaded and unloaded, a group of heavy paper rolls placed on end in tightly packed relationship at each end of the conveyance, other rolls on end packed loosely from the tightly packed groups and toward the doorway, and a middle group of rolls standing on end at the doorway and tightly secured together to form a heavy bodily unrestrained shift-resisting buffer controlling shifting of the adjacent loosely packed rolls at the opposite sides of the buffer group of rolls, the means for securing the buffer group, in unitary formation, comprising a series of pins extending upwardly from the cores of said rolls, and a securing band tightly encircling the series of extending pins.

2,203,200
METHOD OF MAKING BRIQUETTING ROLLS
Gustav Komarek, Chicago, Ill., assignor to Komarek-Greavess and Company, Chicago, Ill., a corporation of Illinois
Application July 15, 1937, Serial No. 153,851
5 Claims. (Cl. 76—107)



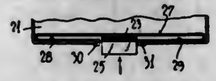
4. The method of making briquetting rolls comprising acting simultaneously upon a pair of opposed metal rolls transversely of their peripheries with a cutting tool having the precise dimensions and contour of mating briquette molding pockets to be formed in said rolls, forming a plurality of similar shaped and sized pockets in alignment transversely across the rolls, and continuing the procedure until the entire periphery of each roll has been formed with rows of transversely aligned registering pockets, said cutting operation constituting the only cutting step in the formation of each pocket and each pocket having as a result of such single cutting operation the final configuration which it is desired to impart to the pocket and to a briquette.

2,203,201
VEHICLE ROCKING APPARATUS
Philip J. Kroll, New Orleans, La., assignor to Marjorie Kroll, Cambridge, Mass.
Application April 28, 1938, Serial No. 204,895
14 Claims. (Cl. 73—51)



1. Apparatus of the character described comprising a pair of spaced upstanding jack posts, actuating means connected to each jack post, and motion transmitting means connected between said actuating means and comprising a member movable in an orbital path, a connection pivoted at its ends to said member and to one of said actuating means, and a connection between said movable member and the other of said actuating means whereby one component of movement of said member will actuate the latter actuating means while permitting said member to move freely at right angles to such component of movement.

2,203,202
CATCH
Eugene Kun, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application April 19, 1939, Serial No. 268,787
14 Claims. (Cl. 292—87)

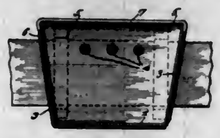


14. In a receptacle comprising a plate having a hole therein or aperture therethrough, a resilient member connected to the plate at the hole and extending along the inner side of the plate away from the hole and then back to the hole, a catch member supported by the resilient member, and a catch operating member supported by the resilient member and extending through the hole in the plate.

2,203,203
LIVE BAIT BOX
Edward M. Lyon, Bozeman, Mont.
Application January 22, 1938, Serial No. 186,442
1 Claim. (Cl. 43—55)

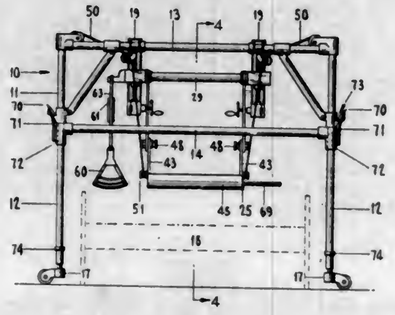
A bait box adapted to be suspended from the body of the user, comprising a body including a bottom wall and an open top, parallel side walls and outwardly flared front and rear walls rising from the bottom wall, said side walls having vent openings adjacent to the upper ends thereof, and a single rubber band tautly surrounding the body

about the open top, front, rear and bottom walls and being of a width to entirely cover the open top, said band being slit along the longitudinal center thereof and said slit being of a length for disposal across the center of the open top and slightly down the front and rear walls to allow



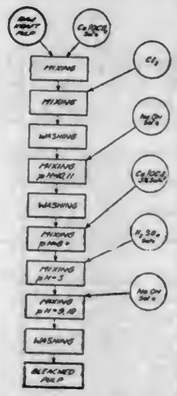
free opening of the slit for ready access to the interior of the body, all of said walls being straight and said front and rear walls being formed with the bottom wall to provide substantially square corners tending to prevent slippage of the band about the body to retain the slit in the position set forth.

2,203,204
INVALID ELEVATOR
Charles O. Nicolai, New York, N. Y.
Application August 19, 1939, Serial No. 290,965
3 Claims. (Cl. 5—81)



1. An elevator for invalids comprising an upright mobile frame having cross-bars fixed thereto at its upper end, elevating screws rotatably supported by said cross-bars, each of said screws having one end of an adjustable body-lifting frame supported thereby for vertical movement, the upper end of said body-lifting-frame comprising horizontally positioned members having links pivotally mounted thereon and extending downwardly, a longitudinally divided platform consisting of two members each extending integrally from end to end thereof, said platform members having arms pivotally supported by said links, each of said links carrying one end of one of said platform members, each of said platform members being in right-angular relation to two of said links when the platform is in body supporting position, each arm forming an elbow joint with one of said links, said elbow joints being designed to be broken outwardly and upwardly to permit upward folding of said arms and links, latches for locking said platform members for maintaining said platform members in aligned horizontal relation adapted for supporting an invalid thereon and preventing said platform members from spreading apart, means for raising or lowering said platform at one end independently of the opposite end, means for counterbalancing said platform members for independently supporting said members in an inoperative upper position and in adjoining relation with said cross-bars, and handwheels for actuating said threaded screws.

2,203,205
METHOD OF BLEACHING PULP
Francis G. Rawling, Piedmont, W. Va., assignor to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware
Application October 8, 1937, Serial No. 167,902
1 Claim. (Cl. 8—105)

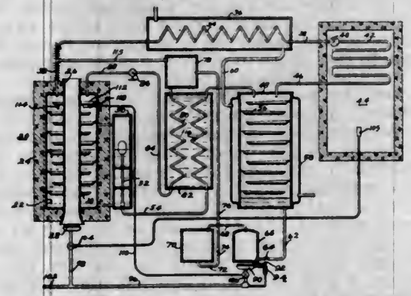


In the bleaching of pulp in which the pulp is subjected to a preliminary intensive treatment with a chlorine bleaching agent followed by alkali treatment and removal of the soluble bleach residues by washing, the method of carrying out an after-bleach comprising subjecting the partially bleached pulp to alternate treatments with chlorine and alkaline hypochlorite, without washing between the treatments, by first treating the pulp by adding one of said compounds (chlorine or hypochlorite) to the pulp in an amount in excess of that required to complete the bleaching in one stage, and thereafter appropriately varying the pH of the treated pulp by adding alkali in the case of chlorine treatment and acid in the case of the hypochlorite treatment to produce a pH over a range of from an excess of 9 to not substantially more than 5 to form the other compound in situ from said excess of the first compound, and alternately continuing such treatments each for a period on the order of from 10–15 minutes, whereby the pulp in the after-bleach is subjected to a series of comparatively rapid continuously oxidizing bleaching treatments each of which is alternately acid or alkaline, as the case may be.

2,203,206
RESIN FROM CASHEW NUTSHELL OIL AND ANOTHER PHENOL
Alvin F. Shepard, Kenmore, and Joseph F. Boiney and Lothar Sontag, North Tonawanda, N. Y., assignors to General Plastics, Inc., North Tonawanda, N. Y.
No Drawing. Application May 14, 1937, Serial No. 142,658
14 Claims. (Cl. 260—46)

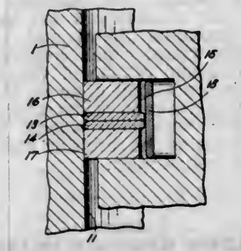
1. The method of manufacturing a synthetic resin from cashew nutshell oil which comprises heating a mixture consisting of the oil and another phenol in resinifying proportions until resinification occurs.

2,203,207
REFRIGERATING APPARATUS
Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 24, 1937, Serial No. 165,549
8 Claims. (Cl. 62—5)



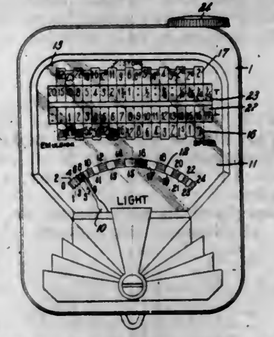
1. Refrigerating apparatus including a closed circuit comprising a generator, condenser, evaporator and an absorber, means for providing a pressure difference between the generator and the evaporator during the normal operation of the system, a trap for collecting rich liquor from the absorber, means for preventing the flow of fluid from the trap to the absorber, means for conducting the strong liquor from the bottom of the trap to the generator including means for preventing the flow of fluid from the generator to the trap through said conducting means, means for intermittently heating the trap to vaporize a portion of the strong liquor collected in the trap for forcing the remainder of the strong liquor out of the trap into the generator, and means controlled by the strong liquor flowing into the generator for controlling the heating of the trap.

2,203,208
PISTON SEALING DEVICE
Dean M. Solenberger, Cleveland, Ohio, assignor to Simplex Products Corporation, Cleveland, Ohio
Application October 28, 1938, Serial No. 237,519
2 Claims. (Cl. 309—45)



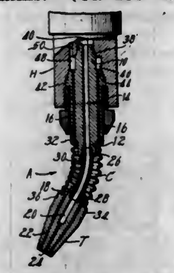
1. A piston sealing device including in combination a pair of contacting thin sealing ring sections each having an axial thickness of from .015'' to .030'', a pair of split radially floating dummy or spacer sections each having a substantially equal axial thickness greater than the combined axial thickness of said sealing ring sections and such that a total axial clearance of the assembled sealing device in its ring groove of from .003'' to .010'' is provided, both the sealing ring sections and said dummy sections being substantially free from inherent wall pressure producing characteristics, and a corrugated expander spring having an axial dimension equal to or not more than about .025'' less than the total axial thickness of the assembled group of ring sections.

2,203,209
EXPOSURE METER
Edward F. Weston, Montclair, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application January 24, 1939, Serial No. 252,663
8 Claims. (Cl. 88—23)



1. An exposure meter comprising a casing, a photoelectric cell and a measuring instrument within said casing, said instrument being connected to said cell and including a pointer movable over a plate carrying scale divisions corresponding to brightness values, said plate having a rectangular opening therethrough above said scale, a computer strip visible through said opening, means supporting said strip for displacement along the opening, means operable manually to displace said strip, cooperating scales of exposure time and diaphragm stop on the plate and the upper edge of the strip, and cooperating means on the lower edge of said strip and said plate for setting the strip in accordance with emulsion speed and the measured brightness value, one of said cooperating means being a scale of emulsion speeds.

2,203,210
FLEXIBLE CUTTING NOZZLE
Lloyd W. Young, Scotch Plains, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application April 21, 1939, Serial No. 269,103
13 Claims. (Cl. 158—27.4)



1. For use with a blowpipe having a head formed with seating surfaces, a blowpipe nozzle formed with seats adapted to engage said seating surfaces, and a clamping nut adapted removably to secure said blowpipe nozzle to said head, said head being drilled to form a cutting gas

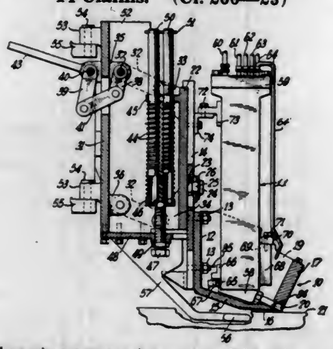
passage and preheat gas passages; a flexible cutting nozzle comprising, in combination, a member formed with seats adapted to engage said seating surfaces and drilled to form a cutting gas passage and preheat gas passages; a tip drilled to form a cutting gas passage and preheating gas passages; a first flexible element connecting the cutting gas passage in said member to the cutting gas passage in said tip; and a second flexible element connecting the preheat gas passages in said member to the preheat gas passages in said tip, said second flexible element surrounding said first flexible element in concentric spaced relation thereto; each of said elements being secured to said member and to said tip.

2,203,211

APPARATUS FOR REMOVING SURFACE METAL FROM METALLIC BODIES

James H. Bucknam, Cranford, N. J., assignor to The Linde Air Products Company, a corporation of Ohio

Application April 26, 1937, Serial No. 139,030
14 Claims. (Cl. 266—23)



1. Blowpipe apparatus comprising, in combination a blowpipe having a nozzle at one end thereof, and a box-like protecting shoe enclosing at least said end of said blowpipe and substantially completely enclosing said nozzle except the orifice end thereof, said shoe having a bottom wall and side walls, said bottom wall being provided with an external surface portion of substantial area adapted to ride on a work surface, one of said side walls being of substantial thickness and having a passage therethrough, said blowpipe being detachably secured to said shoe in a position such that said nozzle extends from within the shoe into said passage, and the external cross-sectional dimensions of said nozzle being substantially equal to the cross-sectional dimensions of said passage whereby the passage is substantially filled by the nozzle.

2,203,212

BLEACHING PULP

Ferri Casciani, Niagara Falls, N. Y., assignor to Niagara Alkali Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application February 14, 1939, Serial No. 256,359
5 Claims. (Cl. 8—105)

1. A method of bleaching pulps to high brightness which comprises subjecting an aqueous pulp suspension to the action of free chlorine in substantial amount but less than that required for complete chlorination of the non-cellulose impurities, washing the pulp, treating the pulp again with free chlorine in excess of the amount required for direct chlorination of the remaining impurities, making the pulp alkaline so as to form hypochlorite from the residual chlorine and allowing time for action of the hypochlorite, washing the pulp, treating the washed pulp with an alkali in an amount equal to at least one per cent by weight of the dry pulp, subjecting the alkaline pulp to the action of an alkaline hypochlorite bleach liquor for a period of the order of one to two hours to effect a further bleaching, the amount of alkali present being at least one per cent by weight of the dry pulp and being sufficiently high to minimize attack on the cellulose and preclude complete bleaching, and the amount of bleach liquor being such as to be substantially exhausted at the end of one to two hours, washing and then subjecting the washed pulp to a final bleaching to high brightness with a small amount of a bleaching agent such as to yield the equivalent of about 0.2 to 0.5 per cent available chlorine by weight on the dry pulp; whereby a pulp of high brightness and strength is obtained with a minimum degradation of the cellulose.

2,203,213

ALLOY

Ernest F. Doom and William J. Priestley, New Rochelle, N. Y., assignors to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Application July 1, 1938, Serial No. 216,904
7 Claims. (Cl. 75—122)

3. Alloy containing 20% to 50% chromium and 50% to 20% columbium, the total percentage of columbium and chromium being between 50% and 90%; 3% to 8% silicon; carbon in an amount not exceeding 1%; remainder iron and incidental impurities.

2,203,214

METHOD OF MAKING ALLOYS

Ernest F. Doom, New Rochelle, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Original application July 1, 1938, Serial No. 216,904. Divided and this application October 21, 1939, Serial No. 300,557
6 Claims. (Cl. 75—122)

1. Process for producing a low-carbon alloy containing chromium metal and columbium-tantalum group metal which comprises heating an oxidic compound of one of the said metals with a silicon-containing alloy of the other of said metals to a reaction temperature; reducing said compound, with said silicon, to metallic form; and coalescing the resulting metals to form a melt of the desired alloy.

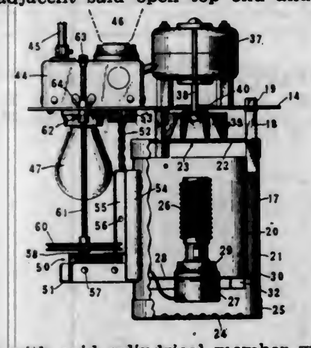
2,203,215

ELECTRIC BROODER HEATER

Kenneth Winfield Du Bois, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application July 20, 1939, Serial No. 285,487
9 Claims. (Cl. 219—39)

1. In an electric heating unit for brooders, a motor member, a fan member operatively connected to said motor, a heating coil member and a cylindrical heater member around said coil, a common support for said members, said heater member having an outer wall and an inner wall with a space therebetween and having an open top end, said fan member being disposed above and adjacent said open top end and in alignment with said cylindrical member whereby air is drawn upwardly between said walls.

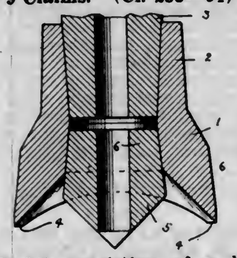


2,203,216

DRILL BIT

Martin Hokanson, Duluth, Minn., assignor to Eidco, Incorporated, Duluth, Minn., a corporation of Minnesota

Application January 18, 1939, Serial No. 251,630
9 Claims. (Cl. 255—64)



1. A drill bit consisting of a hollow head flattened on opposite sides, the outermost lower portions of which are formed with a pair of cutting edges lying substantially in the same circle, and a central removable cutting portion having a cutting edge extendable entirely across from one of the flattened sides to the other.

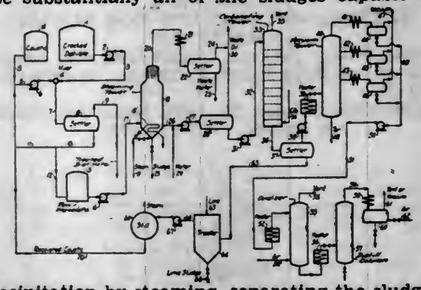
2,203,217

PROCESS FOR RECOVERING ALKYL PHENOLS FROM PETROLEUM OILS

Walter J. Hund and Samuel Benson Thomas, Oakland, and Daniel B. Luten, Jr., Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application May 25, 1937, Serial No. 144,658
8 Claims. (Cl. 260—627)

1. In the process of producing commercially pure alkyl phenols from a petroleum distillate containing small quantities of the same, the steps comprising extracting the distillate with a quantity of an aqueous alkali metal hydroxide solution of 35–50% concentration to form an alkali metal alkyl phenolate solution containing free alkali metal hydroxide and a sufficient amount of chemically combined alkyl phenols to prevent precipitation of the alkyl phenolates, said solution containing impurities which form a precipitate only after steaming beyond the point at which the overhead product produced by steaming condenses into a substantially clear condensate, steaming the resulting aqueous alkaline solution at about 100° C. to expel volatile impurities whereby an overhead product is obtained the condensate of which is turbid, until a point is reached in the steaming operation at which said condensate is substantially clear and no longer turbid, continuing the steaming beyond said point at about 100° C. for a time sufficient to precipitate substantially all of the sludges capable of precipitation by steaming, separating the sludges from the solution of alkyl phenolates, carbonating the desludged solution with an amount of carbon dioxide sufficient to liberate alkyl phenols, thereby forming two layers, an alkyl phenol layer and an aqueous layer, separating the layers, and distilling the alkyl phenols under conditions to prevent substantial cracking.

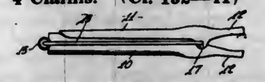


2,203,218

HAIR CURLER

William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware

Application July 15, 1939, Serial No. 284,617
4 Claims. (Cl. 132—41)



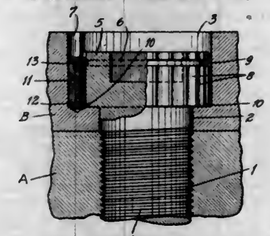
1. A hair curler of the character described comprising a tubular member and a semi-tubular member each of molded plastic material and each having a handle portion, a closed wire loop clamp having one end seated in open passages formed in the tubular and semi-tubular members, and a spring having arms fitting into recesses in the tubular and semi-tubular members for holding said members together to confine the loop in place, said tubular and semi-tubular members being unconnected to each other except by means of the spring.

2,203,219

CAP BOLT LOCK

Arthur E. Jackman, Jr., Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

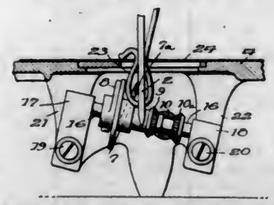
Application March 31, 1938, Serial No. 199,066
4 Claims. (Cl. 151—32)



4. A cap screw comprising a body portion with

a cylindrical socket head having a series of circumferentially spaced longitudinal peripheral grooves and a peripheral annular groove opening into said circumferentially spaced grooves.

2,203,220
TUFTING ATTACHMENT FOR SEWING MACHINES
Ernest Wilbur Jackson, Chatsworth, Ga., assignor of one-third to Ben J. Chromy, Washington, D. C.
Application October 20, 1938, Serial No. 236,100
9 Claims. (Cl. 112—79)



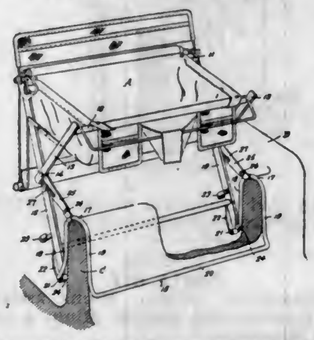
1. In a chenille sewing machine attachment adapted to be attached to a sewing machine having a reciprocating needle, the combination of: a rotatable substantially helical hook having a pointed free end adapted to pass along side of the needle of the sewing machine and receive a thread loop from said needle, a bearing for said rotatable hook, a gear for driving said rotatable hook, a shaft extending through said bearing, a rotatable knife attached to said shaft and rotatable adjacent to said rotatable hook, a surface of said rotatable hook being formed to cooperate with said rotatable knife to form a shear for severing the thread loop passed over said hook, a second bevel gear attached to said shaft and means for rotating said first mentioned bevel gear and said second bevel gear in time relation with the reciprocating movement of the needle of the sewing machine.

2,203,221
ELECTRON DISCHARGE DEVICE
Johan Lodewijk Hendrik Jonker and Adrianus Johannes Wilhelmus Marie van Overbeek, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 9, 1938, Serial No. 189,508
In the Netherlands February 12, 1937
11 Claims. (Cl. 250—27.5)



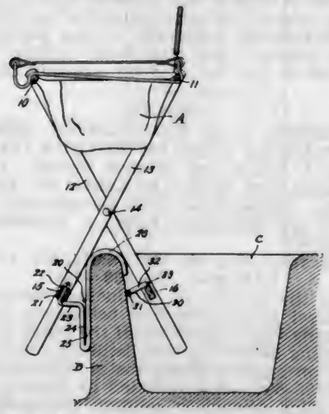
2. An electron discharge device comprising a cathode for emitting electrons, and an anode for receiving electrons, a grid surrounding said cathode and means for forming the electrons from said cathode into a plurality of pairs of oppositely disposed beams, an auxiliary anode positioned between said grid and said output anode and in the path of one of said beams, and a shielding member partially surrounding said auxiliary anode and extending toward said grid for shielding said auxiliary anode and its associated beam from the other beams emanating from said cathode.

2,203,222
INFANT'S BATHING DEVICE
Benjamin H. Kennedy, Pittsford, N. Y.
Application October 25, 1939, Serial No. 301,138
8 Claims. (Cl. 4—177)



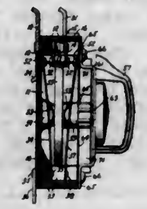
1. In an infant's bathing device, a tub, a support therefor including a frame member at each end of said tub, means engageable with a wall of a stationary bathtub to support the bathing device within the said stationary bathtub and on the said wall, and means of connection between the first named means and the lower portions of each of said frame members for movement of said frame members to dispose the lower ends thereof in impinging engagement with the inner face of the said wall of the stationary bathtub.

2,203,223
INFANT'S BATHING DEVICE
Dewey M. Kennedy, Rochester, N. Y.
Application October 25, 1939, Serial No. 301,137
7 Claims. (Cl. 4—177)



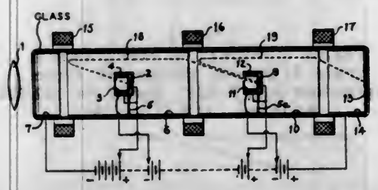
1. In an infant's bathing device, a support including a pair of pivotally connected cross legs at each end thereof, a longitudinally extending bar connecting a leg of one pair with the corresponding leg of the other pair, hooked elements carried by the connecting bar adapted to engage over the upper edge of the wall of a stationary bathtub so as to mount the device thereon with the cross legs in straddling relation thereto.

2,203,224
ELECTRIC SWITCH
Donald G. Kimball, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application April 13, 1939, Serial No. 267,568
13 Claims. (Cl. 200—6)



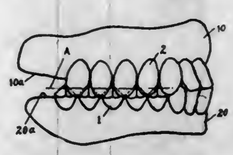
1. In an electric switch, a body of insulating material having a recess therein, ledges on opposite walls of said recess in stepped relation to one another with the steps being arranged at two different levels, fixed contacts mounted on each ledge at one wall of said recess and having a contact element extending into said recess, flexible spring blades mounted on each ledge at the other wall of said recess, said blades extending across said recess and having contact surfaces adapted to engage said contact elements and a cam disk rotatably mounted in said recess between certain of said blades and engaging said blades for operation thereof, the contacts and blades mounted on the ledges at one level being located on one side of said disk and the contacts and blades mounted on the ledges at the other level being located on the other side of said disk, and means for rotating said disk for controlling a plurality of circuits connected to said fixed contacts and blades.

2,203,225
ELECTRON DISCHARGE DEVICE UTILIZING ELECTRON MULTIPLICATION
Otto Klemperer, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application January 4, 1939, Serial No. 249,279
In Great Britain January 4, 1938
4 Claims. (Cl. 250—175)



1. An electron discharge device comprising electrode structure including a plurality of electron emitters axially separated one from the other and facing in the same direction, one of said emitters having on one side a surface of high secondary electron emissivity, a target electrode mounted on the opposite side of the said emitter, means to reflect electrons from the preceding emitter to said emitter and from said emitter to the target, and means to focus electrons from the preceding emitter to said emitter and from said emitter upon the target.

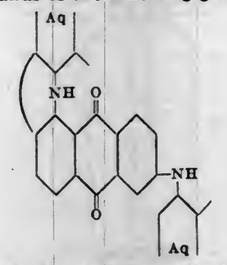
2,203,226
ARTIFICIAL DENTURE
Rudolf Klicka, Pittsburgh, Pa.
Application June 29, 1939, Serial No. 281,824
6 Claims. (Cl. 32—8)



4. A tooth for use in artificial dentures consisting in a bicuspid whose cusps are of flat-faceted right pyramidal form, with the axes of the cusps substantially parallel to the axis of the tooth, two of the facets of one cusps forming with two of the facets of the other cusp a groove that is of V-shape in linguo-buccal section and of inverted V-shape in mesio-distal section.

2,203,227
ANTHRAQUINONE VAT DYESTUFFS
Ralph N. Lulek, Silverside Heights, Del., and William Dettwyler, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 16, 1939, Serial No. 290,430
4 Claims. (Cl. 260—316)

1. Compounds of the following general formula



wherein the Aq's stand for radicals of the anthraquinone series.

2,203,228
PROCESS OF KNITTING
John H. Miller and Frank Evans, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey
Original application March 5, 1937, Serial No. 129,206. Divided and this application August 6, 1937, Serial No. 157,707
10 Claims. (Cl. 66—14)

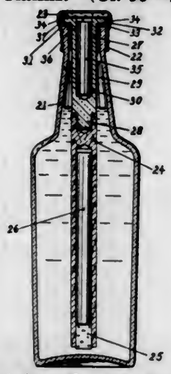
1. The steps in the knitting of a tubular plain knit self-supporting portion of an article of hosiery by means of a knitting machine having opposed coaxial cylinders and needles provided with hooks at opposite ends, which consist in assembling all of the needles in one cylinder, raising spaced selected needles, and feeding thereto an elastic thread, drawing down the remaining needles and independently drawing down said selected needles to place the said remaining needles on the opposite side of the elastic thread from the selected needles, raising all of said needles to the shedding point, feeding a body thread to all the needles, and drawing

stitches thereon, and simultaneously tieing the



elastic thread in the tubular fabric at the wales formed by said selected needles.

2,203,229
MEANS FOR AGING LIQUIDS
Oscar F. Nilsson and Karl F. Nilsson, New York, N. Y.
Application August 11, 1937, Serial No. 158,471
2 Claims. (Cl. 99—277.1)



1. As a container for accommodating and for aging an ageable liquid, a substantially non-wooden enclosure, a porous member suspended in said enclosure to below the normal liquid level and exposed to the outside atmosphere, wood in said enclosure osmotic-conductively connected with said member and immersed in the contents of said enclosure when the enclosure is filled, said porous member having means sealing it towards the gas in said enclosure above the normal liquid level in said enclosure.

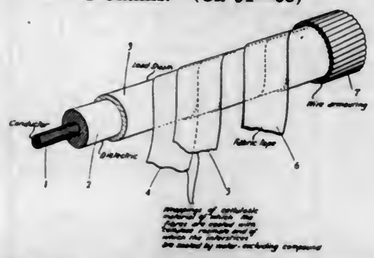
2,203,230
PROCESS FOR THE MANUFACTURE OF CONSERVING ICE
Paul Nitsche, Dresden, Germany
No Drawing. Application June 14, 1939, Serial No. 279,029. In Germany May 25, 1937
4 Claims. (Cl. 62—172)

1. The method of manufacturing antiseptic ice comprising the steps of adding to water a preservative selected from the group of compounds consisting of formaldehyde and its polymers and an homogenizing agent selected from the group consisting or starch, agar-agar, alkylcellulose, methyl-cellulose and carbon particles, and freezing the resulting mixture.

2,203,231
TREATMENT OF CELLULOSIC MATERIALS SUCH AS PAPER AND FABRICS TO MAKE THEM RESISTANT TO WATER
Thomas Lloyd Osborne, Belvedere, Kent, England, assignor to Callender's Cable and Construction Company Limited, London, England, a British company
No Drawing. Application May 11, 1938, Serial No. 207,299. In Great Britain May 24, 1937
8 Claims. (Cl. 8—120)

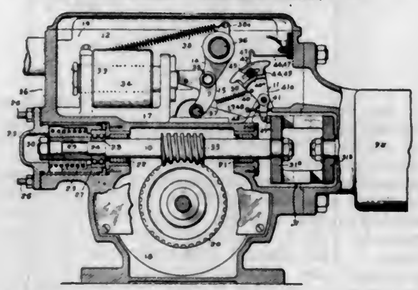
1. A process for rendering resistant to water a material consisting of paper or cotton or other fabric formed from natural cellulosic material, which process comprises drying the material and forming on the fibres thereof a film of cellulose rosinate by subjecting it to heat and a vacuum whilst the fibres are in intimate contact with rosin.

2,203,232
MEANS FOR PROTECTING SHEATHS OF ELECTRIC CABLES, PIPES, AND OTHER METAL ARTICLES AGAINST CORROSION
Thomas Lloyd Osborne and Harold John Allcock, Belvedere, Kent, England, assignors to Callender's Cable and Construction Company Limited, London, England, a British company
Application May 11, 1938, Serial No. 207,301
In Great Britain May 27, 1937
4 Claims. (Cl. 91—68)



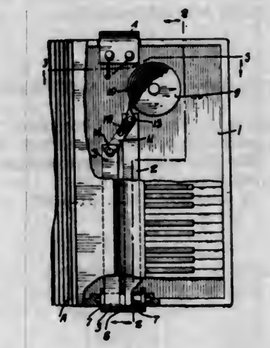
1. A corrosion-resistant protective covering for electric cable sheaths, pipes, rods and like articles, comprising at least one wrapping of a material, formed from natural fibrous cellulosic substance, of which the fibres are coated with a water-resistant film of cellulose rosinate formed in situ and of which the passages between the coated fibres are sealed by a water-excluding compound.

2,203,233
VALVE OPERATING MECHANISM
Erwin J. Panish, Bridgeport, Conn.
Application July 2, 1937, Serial No. 151,594
2 Claims. (Cl. 172—239)



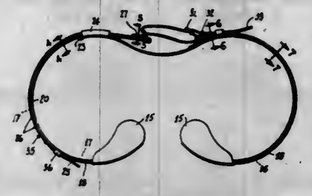
1. In combination with a valve construction having an actuating spindle for the valve closure member therein and which spindle is operable to open and close the valve; automatically controlled power driven mechanism for the valve spindle, which mechanism comprises a motor, a train of power transmitting elements between the motor and the spindle, one of which elements is resiliently displaceable under the influence of substantially predeterminable excess driving reaction, means controlled from said displaceable element and by a predetermined amount of displacement thereof, to cause the cutting of the power supplied to the motor, and further comprising controllable disconnecting or declutching means operable for positively and instantaneously terminating the transmission of power driving effects through said train of elements, a primary actuating device to render operative or inoperative respectively said declutching means, a secondary actuating device controlled from said displaceable element and responsive to displacement effective thereon, in a manner to cause said primary actuating device to effect mechanical declutching in response to a predetermined increment of displacement of said displaceable element due to a corresponding increment of excess driving reaction, whereby there are instantaneously shut off or rendered impotent any power drive effects from the motor during the closing movement of said valve spindle, and automatic electric switch means for limiting the opening movement of said spindle.

2,203,234
SHOULDER STRAP FOR ACCORDIONS AND OTHER MUSICAL INSTRUMENTS
Herman Petersen, Lynbrook, N. Y., assignor to M. Hohner, Inc., New York, N. Y., a corporation of New York
Application January 13, 1939, Serial No. 250,682
6 Claims. (Cl. 84—376)



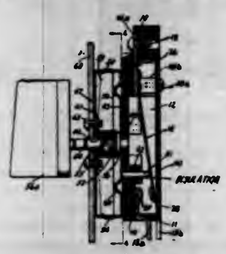
1. An accordion having a first shoulder strap and also a second shoulder strap, the first shoulder strap being longer than the second shoulder strap, said shoulder straps having first adjacent ends which are connected to the accordion, a link turnably connected to the other end of one of said straps, said link being movable relative to the accordion and having a slot, an extensible spring device having one end thereof connected to the accordion, the other end of said extensible spring device being connected to the other end of the other shoulder strap by a fastening member, the shank of said fastening member being slidable in said slot.

2,203,235
TRUSS
Moris Portnow, New York, N. Y.
Application June 11, 1938, Serial No. 213,121
1 Claim. (Cl. 128—102)



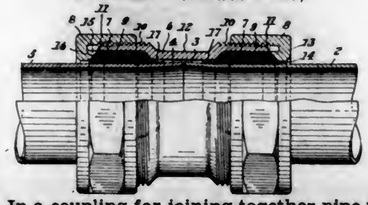
A truss comprising two spaced apart pear-shaped cushion pads, an arcuately curved metallic spring fixed in the smaller end of each pad to encompass the sides and portion of the front and back of a body, a flattened tubular casing completely enveloping said springs and attached at its ends to said pads, said casing being elastic and of woven material, flexible covers secured over said casing at the regions occupied by said springs and attached at their front ends to said pads, a strap fixed at one end to one of said covers and the underlying casing at the rear portion thereof to extend towards the front, means to guide said strap, and means to retain the operative length of said strap in selective adjustment, whereby that part of said casing between the adjacently spaced ends of said springs may be modified in length together with the distance between the springs to fit the body.

2,203,236
ELECTRIC SWITCH
Charles P. Randolph, deceased, late of Oak Park, Ill., by E. C. Randolph and Dorothy Saner, executors, Oak Park, Ill., and Leslie A. Kempton, Chicago, Ill., assignors to Edison General Electric Appliance Company, Inc., a corporation of New York
Application April 26, 1938, Serial No. 204,334
9 Claims. (Cl. 200—6)



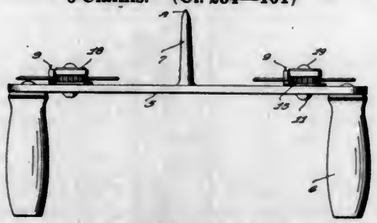
1. A switch mechanism comprising an insulating supporting panel, contact fingers on one side of said panel biased to predetermined controlling positions, pins slidably mounted in said panel opposite said contact fingers adapted to engage them to operate them from said positions and extending through to the opposite side of said panel, a cam plate on said opposite side mounted to revolve to selected positions and to engage said pins to force them inwardly and thereby operate said fingers in a predetermined cycle of operations as the plate is revolved to said positions, said cam plate bearing against said side of said panel so that the panel functions as a bearing surface for said cam plate, and means for operating said cam plate to said positions.

2,203,237
COUPLING
Frank J. Raybould, Erie, Pa., assignor to Raybould Coupling Company, Meadville, Pa., a corporation of Pennsylvania
Application March 29, 1939, Serial No. 264,753
2 Claims. (Cl. 285—127)



1. In a coupling for joining together pipe members or the like having flared end portions, the combination of a middle ring adapted to extend over adjacent flared pipe ends, said ring having a central portion of substantially uniform diameter and enlarged end portions adjacent thereto for receiving compression rings, a compression ring in each of said enlarged end portions between the middle ring and the adjacent pipe member, means for expanding each compression ring radially into tight engagement with its adjacent pipe member, and means to prevent longitudinal separation of at least one of the pipes and the coupling including an expansible ring extending circumferentially around at least one of the pipe members adjacent the flared end thereof between the central portion of the middle ring and the pipe, said ring having a normal diameter less than that of the extreme end of the pipe and having an edge abutting the flared pipe end adapted to cut into it when the pipe is moved longitudinally of the coupling.

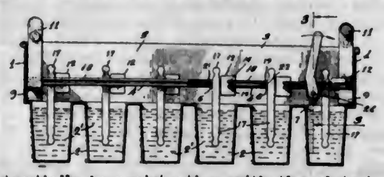
2,203,238
TOOL FOR SPLICING AND TIGHTENING BARBED WIRE
Gust D. Regas, Newell, S. Dak.
Application September 15, 1939, Serial No. 295,150
6 Claims. (Cl. 254—161)



1. A tool of the class described comprising a body portion having handles projecting from one side thereof, a loop-forming device extending laterally from the other side of the body portion, and wire-gripping members mounted on the body portion at opposite sides of the loop-forming device.

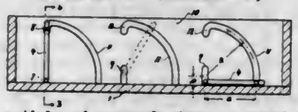
2,203,239
HOLDER
Arthur L. Slee, San Francisco, Calif., assignor of one-third to Eric C. Hughes, one-third to Jennie C. Hughes, and one-third to Maxwell B. Hughes, all of West Sacramento, Calif.
Application January 22, 1940, Serial No. 314,997
4 Claims. (Cl. 294—87)

1. A holder comprising a plate having a plurality of slots; a grid slidably mounted in spaced relation to said plate and having slots substantially registering with the slots of said plate; blocks mounted on said plate and extending through the slots of said grid to hold said slots



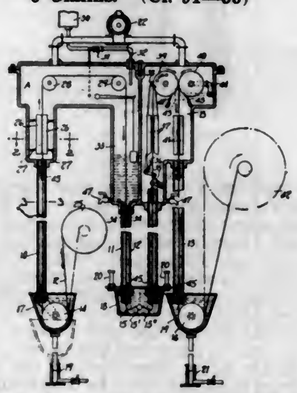
substantially in registration with the slots in the plate; and means for moving said grid relatively to said plate to grip sticks inserted through said registering slots.

2,203,240
NESTED BOX
Edna Sibley Tipton, New York, N. Y.
Application March 9, 1939, Serial No. 260,806
10 Claims. (Cl. 217—7)



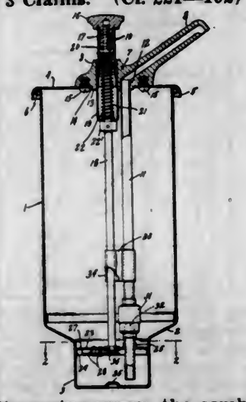
1. An article of manufacture comprising a series of nestable boxes each having vertically disposed partitions which are adapted to be folded into contact with the bottom of the respective box, two oppositely-positioned walls of said box being provided in their inner opposing faces with grooves adapted to form receiving, retaining, guiding and locking means for co-operative, co-acting features carried upon the ends of said partitions, and partitions for said box having upon each end thereof a feature such as a pin or dowel having co-operative action with said grooves so as to occupy, be retained, guided and locked thereby in their service position.

2,203,241
APPARATUS FOR MANUFACTURING INKED RIBBONS
Frederick A. Waldron, Westfield, N. J.
Original application July 19, 1932, Serial No. 623,368. Divided and this application November 19, 1938, Serial No. 241,311
6 Claims. (Cl. 91—55)



1. Apparatus for continuously manufacturing typewriter ribbons, and the like, from a strip of fabric, comprising a two-compartment vacuum chamber, a liquid inlet seal having a suction tube connected to one compartment, a liquid outlet seal having a suction tube connected to the other compartment, a dual seal having two suction tubes, one connected to each compartment, each seal including a liquid container and a guide, the containers being open to the atmosphere and containing an inert liquid adapted to be sucked up into the tubular connections, an ink bath floated on top of the liquid in the tube leading from the first compartment to the dual seal, and guides in the compartments, all the guides being arranged for the continuous movement of the strip from the atmosphere through the seals and compartments and to return it to the atmosphere.

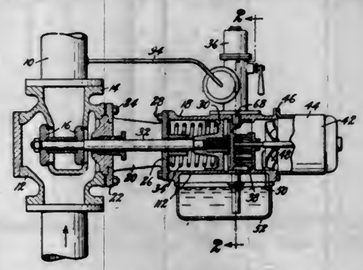
2,203,242
DISPENSING PUMP
Karl Weber, Los Angeles, Calif.
Application January 24, 1939, Serial No. 252,587
3 Claims. (Cl. 221—102)



1. In a dispensing pump, the combination of a jar having an integral pump barrel at its bottom, a cover for the jar having a delivery spout, an uptake tube supported solely on the cover, communicating at its upper end with the spout, and with its lower end extending into the barrel, and hanging freely within the same, a piston rod extending down through the cover, a rigid piston carried thereby, sliding in the barrel and fitting its bore, said piston having a guide opening enabling the piston to be guided on the tube, valve means on the piston resting in an open position when the piston is at rest, and operating to close suddenly when the piston is forced down, means for guiding and bracing the piston rod on the tube, and means for returning the piston after the same has been depressed.

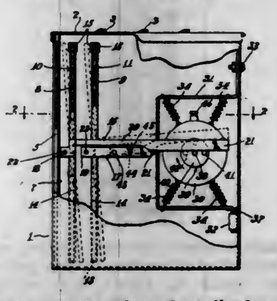
2,203,243
LIQUID PRESSURE ACTUATED REGULATOR
Fritz Wettstein, Stockholm, Sweden
Application April 6, 1936, Serial No. 72,951
In Germany April 9, 1935
1 Claim. (Cl. 50—10)

In a liquid pressure actuated regulator, a control valve for controlling that which is to be regulated, said valve having a casing and a valve spindle, a servo-motor having a piston connected to operate said valve spindle, relay mechanism responsive to an impulse from that which is to be regulated for controlling flow of actuating liquid to and from said servo-motor, a pump for supplying actuating liquid to said relay mechanism and to said servo-motor and a liquid reservoir from which liquid is withdrawn by the pump and to which liquid is returned from said servo-motor, a driving motor for operating said pump; said valve spindle, said piston, said pump and said driving motor being arranged in straight line



assembly, and said servo-motor, said relay mechanism and said pump providing a pre-adjustable closed system for flow of actuating fluid and the parts providing said system being mounted together with the control valve and driving motor to provide a single unitary regulator structure ready for installation and operation.

2,203,244
MIRROR SIGN
Ernest Cantelo White, Bronxville, N. Y., assignor to Multi Vue Signs Company, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1939, Serial No. 281,531
20 Claims. (Cl. 40—132)

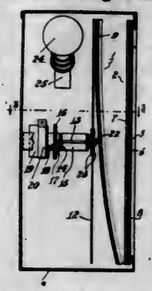


1. In a sign of the class described, a mounting, an opaque rear mirror and a transparent front mirror supported on said mounting, said mirrors having opposed and spaced reflecting surfaces, one of said mirrors being provided with indicia, means for illuminating said indicia, and a translating mechanism for separately moving said mirrors in a timed cycle of operations with respect to the mounting, including means for oscillating and means for stopping one of said mirrors during predetermined portions of said cycle, and means for oscillating and means for stopping the other of said mirrors during different predetermined portions of said cycle.

2,203,245
MOTION DISPLAY DEVICE
Ernest Cantelo White, Bronxville, N. Y., assignor to Multi Vue Signs Company, Incorporated, New York, N. Y., a corporation of New York
Application August 19, 1939, Serial No. 290,955
19 Claims. (Cl. 40—34)

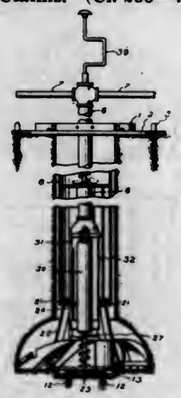
1. In motion display apparatus, the combina-

tion with a fixed mirror system, of traveling indicia, said mirrors being adapted to produce



multiple reflections of said indicia, and means for enlarging said multiple reflections.

2,203,246
UNDERREAMER
Emil H. Zum-Berge, Dallas, Tex., assignor, by mesne assignments, to Estate of Emil H. Zum-Berge and George Klein, both of Dallas, Tex.
Application November 1, 1938, Serial No. 238,251
5 Claims. (Cl. 255—76)



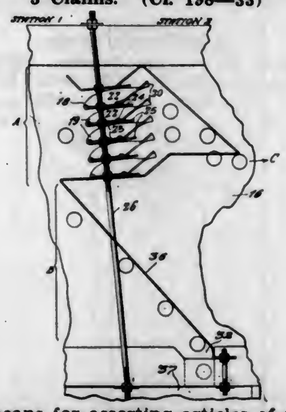
1. An underreamer for bore holes including a tubular body, pivoted earth cutting means, means within said body to move said earth cutting means arcuately as said body is rotated, means for receiving the earth cuttings from said blades, means for continuously transferring said earth cuttings to said earth receiving means, and means for releasing said earth cutting means from rotation relative to said tubular body.

2,203,247
SHOE LASTING
Santo Azzara, Jamaica, N. Y.
Application May 9, 1939, Serial No. 272,661
3 Claims. (Cl. 12—145)



1. The method of lasting a shoe having an insole by using a false insole of smaller size than the regular insole and having pins projecting from one face thereof at close intervals along its edge, which comprises laying the shoe upper and an insole on the last, laying the false insole on the regular insole so as to leave a margin of the regular insole exposed and having the pins exposed, applying cement between the edge of the upper and the insole, drafting the edge of the upper over the insole from point to point and securing it on the pins as soon as it is properly positioned.

2,203,248
MEANS FOR ASSORTING ARTICLES
Leonard W. Bacon, Jr., Rowayton, Conn., assignor to Excelsior Pearl Works, Inc., New York, N. Y., a corporation of New York
Application November 7, 1936, Serial No. 109,789
5 Claims. (Cl. 198—33)

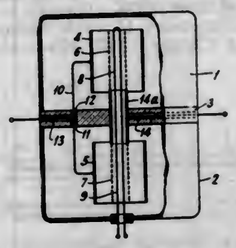


1. A means for assorting articles of the character of substantially flat buttons, comprising a conveyor with a continuously smooth conveying surface for progressively transporting thereby the articles during assortment, and a turning means overlying the conveyor in substantial engagement with the said smooth conveying surface thereof and interposed in the path of transportation of the articles lying flatwise on said surface, and having an upper surface onto which the underside of the articles will ride, said upper surface arranged and adapted to engage and turn the articles entirely over with a part of said articles always remaining in engagement with the conveyor during the turning of said articles and continuing to advance in the direction of movement of the conveyor.

2,203,249
ELECTRON DISCHARGE DEVICE
Joachim Böhme, Berlin-Schoneberg, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application October 22, 1938, Serial No. 236,411
In Germany October 27, 1937
2 Claims. (Cl. 250—27.5)

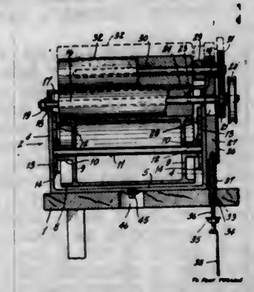
1. An electron discharge device having an envelope comprising a pair of metallic cup-shaped members with their open ends oppositely disposed to each other, a partition of insulating material between said cup-shaped members and sealing said cup-shaped members together with an air-tight seal, a cathode member extending through one of said cup-shaped members and through said partition to provide a cathode in each of said cup-shaped members axially of said cup-

shaped members, a grid in each cup-shaped member surrounding the cathodes. said grids being connected and supported by a tubular member extending through and supported by said par-



tition, an anode surrounding each of said grids, a conductor connecting said anodes, and separate conductors connected to said anode conductor and to said tubular member for providing voltage leads to said grids and anodes.

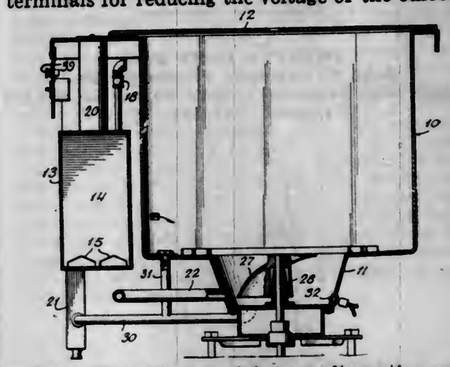
2,203,250
DEVICE FOR APPLYING TREATING MATERIAL TO LEATHER
Peter Bolhofner, St. Louis, and Theodore Koch, St. Louis County, Mo., assignors of one-fourth to Emil F. Pelikan and one-fourth to Edward Bolhofner, both of St. Louis, Mo.
Application January 11, 1939, Serial No. 250,378
3 Claims. (Cl. 91—50)



1. In a machine of the class described, a container, a leaf spring and guide members provided on the inner side of each end wall of said container, an apertured plate slidably mounted in each set of said guide members and supported on one of said leaf springs, a pick-up roll having a shaft mounted in the apertures of said plates, a distributing roll mounted in said container having driving means and a driving gear, and frictionally engaging the upper side of said pick-up roll against the resistance of said leaf springs, a presser roll located above said distributing roll and having a pinion, means for manually lowering said presser roll to bring its pinion into engagement with the gear of the distributing roll, and automatic means for raising said presser roll when released from manual control.

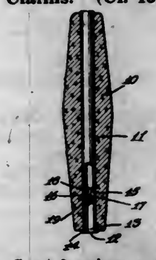
2,203,251
MACHINE FOR CLEANSING AND TREATING
Douglas E. Bonner, New York, N. Y.
Application May 3, 1939, Serial No. 271,487
9 Claims. (Cl. 141—9)

1. In a machine of the kind described, the combination of a tank adapted to contain liquid, means for impelling said liquid in said tank, an electric motor for actuating said impelling means, a pair of terminals adapted to be engaged by the liquid in said tank to connect the same, a transformer having its secondary in circuit with said terminals for reducing the voltage of the current



thereat, means for supplying an alternating current to the primary of said transformer, a relay in said circuit, an armature controlled by said relay, and an electric circuit including said motor adapted to be opened and closed by means of said armature.

2,203,252
FISHING FLOAT
George Borneman, Millville, N. J.
Application August 6, 1938, Serial No. 223,416
3 Claims. (Cl. 43—49)



1. A fishing float having a passageway, and a glass tube forming a lining for substantially the full length of the passageway, a portion of the tube between its ends having a greater mass per unit length than the rest of the tube, thereby providing a restricted opening spaced from the bottom of the tube.

2,203,253
ELECTROPLATING PROCESS
Morris Brown, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 26, 1936, Serial No. 102,696
1 Claim. (Cl. 204—6)

A method of producing thin copper foil which comprises electrodepositing a copper layer less than .0003'' in thickness on a chromium surface while said surface is moving at a predetermined speed, compressing the deposited copper against the chromium surface by means of a cylinder having a metallic surface maintained a fixed distance from the chromium surface to size the copper into foil of a predetermined thickness, withdrawing the foil from the chromium surface with a predetermined tension around an arc of

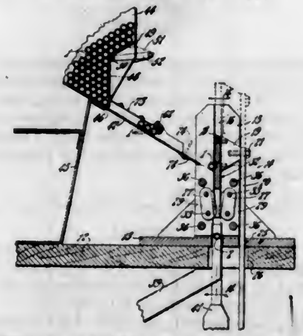
said cylinder, and rotating the cylinder at a surface speed from 10% to 25% higher than the speed of the chromium surface to polish the foil in the arc of contact with said cylinder.

2,203,254
SWEEPER DUST BAG
John S. Campbell, Pittsburgh, Pa.
Application February 3, 1939, Serial No. 254,435
2 Claims. (Cl. 183—51)



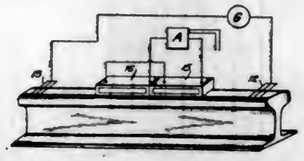
1. In an electric sweeper bag provided with a large opening, the combination of a pair of substantially U-shaped frames having their respective ends joined together by hinged connections secured to the edge margin of the wall of said opening, fastening elements for securing said frames in the closed position, dust proof means carried by said frames, and springs mounted in said connections for forcibly shifting said frames to the open position when said fastening elements are released.

2,203,255
APPARATUS FOR MAKING BOBBIN CORE TUBES
Leon C. Deane, Springfield, Mass., assignor to Bay State Thread Works, Springfield, Mass., a corporation of Massachusetts
Application May 13, 1939, Serial No. 273,420
11 Claims. (Cl. 164—38)



1. A slitting machine for bobbin tubes comprising a hopper provided with a discharge opening, a gate reciprocative across said discharge opening, a delivery chute communicating with said discharge opening, an oscillating gate bar in said delivery chute, a slitting device provided with a vertical passage into which passage tubes are delivered from said delivery chute, spaced knives in said slitting device projecting into said passage, a punch plate vertically reciprocative in said passage, and means for operating said gate, gate bar, and punch plate.

2,203,256
RAIL FLAW DETECTOR MECHANISM
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application December 15, 1938, Serial No. 245,877
14 Claims. (Cl. 175—183)

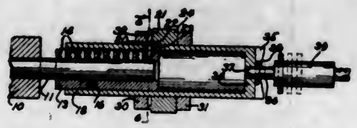


1. In a flaw detector mechanism for rails and the like having means for electrically energizing the rail so as to establish an electromagnetic field surrounding the same and a detector mechanism for detecting variations in said field, said mechanism comprising a coil having its axis positioned horizontally and transverse with respect to the longitudinal axis of the rail, said coil extending longitudinally of the rail for a distance greater than one-half of the field distortion longitudinal of the rail caused by the presence of the smallest internal defect which it is desired to detect.

2,203,257
DRY DYESTUFF PREPARATION
David Alexander Whyte Fairweather, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 26, 1938, Serial No. 221,439. In Great Britain July 30, 1937
2 Claims. (Cl. 8—35)

1. In the process for preparing dry dye preparations of soluble salts of sulfuric esters of leuco anthraquinone vat dyestuffs, the steps which comprise, mixing an aqueous paste containing a soluble salt of the said ester with a water miscible organic liquid in which the estersalt is relatively insoluble and a water-soluble dyestuff diluent, in the presence of an alkali, separating off the organic liquid in which the water contained in the cake is dissolved, and subjecting the remaining dyestuff preparation to a mild drying treatment.

2,203,258
DISTRIBUTING APPARATUS
Thomas M. Ferrill, Jr., West Hartford, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 21, 1938, Serial No. 209,385
6 Claims. (Cl. 242—35.5)



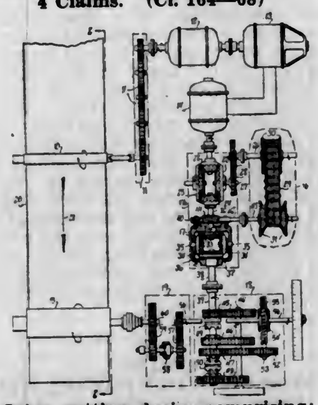
1. In a distributing apparatus, a cylindrical member having a plurality of pin-engaging apertures spaced about its periphery, a sleeve surrounding said cylindrical member and having a guide formed therein, a pin to be guided by said guide, and a manually operable cam surrounding the sleeve for positioning said pin in any of the apertures in the cylindrical member.

2,203,259
PORTABLE DUMMY
Martin John Gilman, Gilman, Conn.
Application March 18, 1939, Serial No. 262,661
4 Claims. (Cl. 273—55)



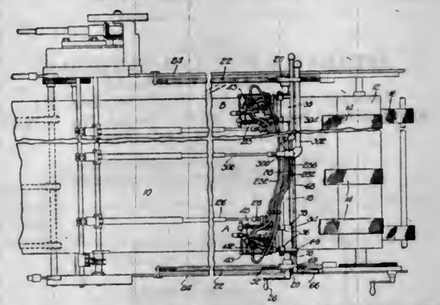
1. A lightweight portable blocking dummy for use in teaching the art of football, adapted to be rapidly shifted by one person from a given location to another location, comprising an elongated protective covering substantially frustroconically shaped, an end member fastened to each end of the protective covering, an inflatable member for insertion within the protective covering, an opening in said protective covering to permit the inflatable member to be inserted therein, and fastening means to securely close the opening in the covering.

2,203,260
FLYING CUTTING DEVICE
Karl W. Hallden, Thomaston, Conn.
Application January 14, 1939, Serial No. 250,898
4 Claims. (Cl. 164—68)



4. A flying cutting device comprising: cutter-means and a cutter drive-motor therefor; feed-means and a feed drive-motor therefor; at least one of said drive-motors being a synchronous electric motor; electric synchronizing means interconnecting both of said drive-motors and serving to maintain them in synchronism; and precision infinitesimally-adjustable means interconnecting said cutter-means and said feed-means and including a change-gear unit having a plurality of selectively-engageable pairs of change gears of different speed-ratios differing by relatively-large steps; a differential-gear unit having a differential output-shaft, and a presettable infinitesimally-adjustable speed-ratio unit having a rotatable mechanical-drive connection with said differential-gear unit and adapted to rotate said connection uninterruptedly and at substantially-uniform angular speed at any adjustment of said infinitesimally-adjustable speed-ratio unit to operatively control the speed of rotation of said differential output-shaft and having an infinitesimally-adjustable speed-ratio range at least equal to the speed-ratio range between each two successive speed-ratios provided by said pairs of change-gears and designed and adapted to be set to give and maintain any desired predetermined speed-ratio between each two succesive speed-ratios provided by said pairs of change-gears; said change-gear unit, differential-gear unit, infinitesimally-adjustable and speed-ratio unit together forming means designed and adapted to provide a continuous precision infinitesimally-adjustable range of speed-ratios between said cutter-means and said feed-means, over the whole range of steps provided by said pairs of change-gears.

2,203,261
PICKUP FOR SHEET FEEDERS
Henning Hallstream, Braintree, Mass., assignor, by mesne assignments, to Dexter Folder Company, Pearl River, N. Y., a corporation of New York
Application May 5, 1938, Serial No. 206,122
22 Claims. (Cl. 271—31)

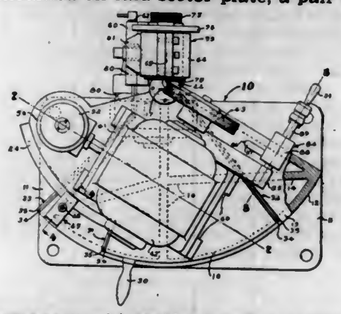


1. In a device for separating sheets from the top of a pile one at a time, a plurality of registering devices spaced apart near the rear edge of the top sheet, a plurality of suction cups mounted near said edge at spaced points, each being mounted so as to tilt about a nearby center adjacent the rear of the top sheet, from a horizontal position in which the suction cup rests upon the top sheet, to a sharply inclined position above the pile; means for tilting said suction cups about said centers to raise the rear margin of the top sheet at a sharp angle to the pile; means for then rocking said suction cups to an approximately horizontal position above the pile; means for winding the sheet; and means for moving said suction cups approximately horizontally to bring the rear edge of the sheet to said registering devices.

2,203,262
GRINDING APPARATUS
Samuel A. Hamnett, Los Angeles, Calif.
Application August 29, 1938, Serial No. 227,256
5 Claims. (Cl. 51—92)

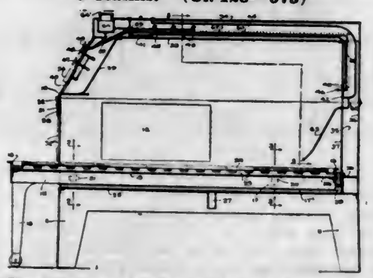
5. In a tool grinding apparatus, a base, means on the base to support a tool to be ground, a sector plate pivotally mounted on said base with the axis of the pivot substantially co-incident with the tip of a tool on the tool support, a pair of

ways on said sector plate, a bed slidably engaging said ways, a motor on said bed, said motor having a shaft, an abrasive wheel on the shaft, the axis of the pivot being disposed between the planes of the faces of the abrasive wheel, a truth restoring member, said member including a support mounted on said sector plate, a pair of par-



allel arms secured to said support, a reciprocating block mounted on said arms, a cutting point on said block, said block having a threaded aperture, a threaded shaft engaging the threaded aperture in said block, means to rotate said threaded shaft to thereby shift the block, said cutting point being in the patn of movement of the abrasive wheel.

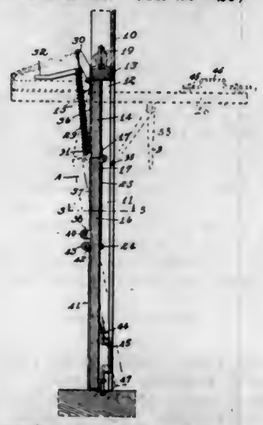
2,203,263
APPARATUS FOR AND METHOD OF INDUCING PYREXIA
Charles C. Honsaker, Philadelphia, Pa.
Application June 24, 1937, Serial No. 150,057
9 Claims. (Cl. 128—373)



1. In an apparatus for inducing artificial fever, in combination, a cabinet having a substantially sealed interior, means for supplying atomized water into the interior of the cabinet at one end thereof, means located adjacent the opposite end of the cabinet for atomizing a separate supply of water, and a conduit disposed externally of the cabinet interior with the opposite ends thereof respectively in communication with the interior of the cabinet in the immediate vicinities of said separate atomizing means, the latter being respectively operative to induce a continuous circulation of the atomized water in and about the interior of said cabinet and through said conduit.

6. In an apparatus for inducing artificial fever, in combination, a cabinet for receiving within the interior thereof the body of a patient undergoing treatment, a duct in communication with the interior of the cabinet at longitudinally spaced points, water atomizing means respectively disposed adjacent each of said points, one of said means being adapted to project atomized water directly into the interior of the cabinet and the other of said means being adapted to project atomized water into said duct, said atomizing means being jointly operative to induce a unidirectional draft in said duct whereby to effect the circulation of atomized water and air through the interior of the cabinet, means for supplying each of said atomizing means with water, and means for regulating the temperature of the water supplied to said atomizing means, said last-mentioned means including control valves for effecting an immediate changeover from the use of heated water to cool water and vice versa.

2,203,264
DOOR CONSTRUCTION
Walter G. Horstman, Des Moines, Iowa
Application September 28, 1936, Serial No. 102,929
6 Claims. (Cl. 20—20)



1. The combination of a door frame, upper and lower door sections within said frame, means hinging the upper section to said frame and the lower section to the upper section, said sections being adapted to swing from a vertical position to horizontal overlapping positions, a single counter balancing means, means operatively connecting said counter-balancing means to each end of said door section; to fold said sections simultaneously, fulcrum means carried by the central portion of the side edges of the lower door section to travel adjacent to the side members of the door frame to act as fulcrum devices in the preliminary opening movement of the door sections and to act as stops to limit the free oscillation of the door sections in one direction as the sections are moved to their folded positions.

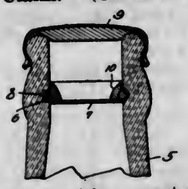
2,203,265
PERFORATING GUN FOR OIL WELLS
Frank C. Kniss, Eldorado, Ark.
Application May 22, 1937, Serial No. 144,276
8 Claims. (Cl. 164—0.5)

1. A well-shooting device comprising a body adapted to be lowered into a well casing, the body being formed with a longitudinally extending slot and with transverse pockets, barrels in said pockets for receiving cartridges equipped with projectiles, firing pins for the cartridges carried by the body and extending into said slot, a firing bar mounted in said slot, said bar being slidable longitudinally in said slot and shiftable transversely therein towards and away from said pins, means for shifting the bar towards the pins and moving the pins in a direction to discharge the cartridges when the bar is moved longitudinally in one direction and cause the projectiles to perforate the casing, and means for sliding the bar



in the said direction adapted to be actuated by reciprocating movement of the body in a well.

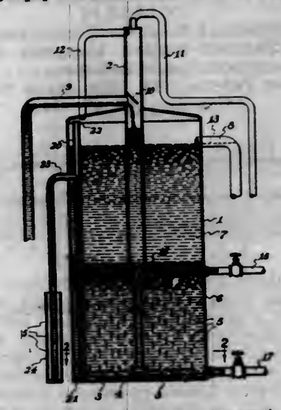
2,203,266
BOTTLE
Maximilian Leviseur, Springs, Transvaal, Union of South Africa
Application June 8, 1938, Serial No. 212,572
1 Claim. (Cl. 215—8)



The combination with a container having a neck formed with an annular groove in the wall thereof, said annular groove being disposed an appreciable distance below the mouth of the container, of a seal comprising a disk-like body portion constructed of thin perishable material, positioned in the neck of the container over the annular groove, said disk-like body portion being of a diameter greater than the diameter of the neck of the container in which the body portion is positioned, whereby the edge of the body portion will extend upwardly overlying the annular groove, a split ring expansible within the neck of the container whereby the upturned edge of the disk-like body portion is forced into the groove stretching the disc-like body portion, and a sealing material overlying the split ring completely covering the inner edge of the ring.

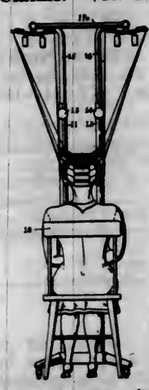
2,203,267
OIL TREATING PLANT
Robert R. MacDonald, Cushing, Okla.
Application December 16, 1938, Serial No. 246,243
6 Claims. (Cl. 196—5)

2. An oil treating device comprising a tank having a water column therein with a superimposed oil column, a separating column extending downwardly into the tank and through the oil and water columns, an oil discharging head carried by the lower end of the separating column and adapted to discharge globules into the lower end of the water column, discharge means for gases from the upper end of the tank, means for discharging emulsified oil into the upper end of the separating column for supplying the same to the discharge head, an oil overflow pipe carried by the tank at the oil level, heating means for recirculating the water column and maintaining the same at a low predetermined temperature, said heating means comprising a heating element, a discharge pipe carried by the heating element



and extending into the tank adjacent the upper end of the water column and discharging therein, a return pipe connected to the tank and to the heating element and discharging the water from the lower end of the water column and thermostatic control means for controlling the operation of the heating element.

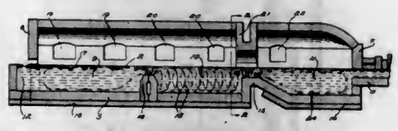
2,203,268
COMFORT WAVE MACHINE
John H. Morrow and Kenneth V. Baker, Los Angeles, and Helena J. Reeves, Inglewood, Calif.
Application June 19, 1939, Serial No. 279,806
4 Claims. (Cl. 132—36)



1. An apparatus for use in dressing the hair comprising: individual permanent wave blocks for attachment to the hair of a person being treated, the wave blocks having holes therein suitable for the reception of spring clips, a standard, a plurality of arms horizontally pivoted upon the standard, a counterweight on one end of each arm, a suspension cord on the other end of each arm, and means at the lower end of the suspension cord for attachment to a wave block whereby the weight of the wave blocks is lifted from the head by action of the counterweights, the said

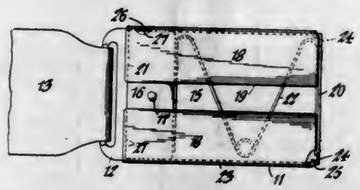
means including a spring clip having projections adapted to be sprung into the holes in the block, and a loop for attachment of the suspension cord.

2,203,269
METHOD OF AND APPARATUS FOR MAKING GLASS
Vergil Mulholland, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application February 14, 1938, Serial No. 190,434
7 Claims. (Cl. 49—54)



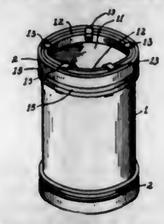
4. A bridgeless glass melting furnace, comprising a basin adapted to hold a bath of molten glass up to a predetermined normal level, a weir extending upwardly from the bottom and from side to side of the basin partially separating the basin into a refining zone in which the glass is relatively highly heated to remove bubbles of gas therefrom and homogenize it by ebullition, and a cooling zone to which the glass is moved to effect absorption of gases remaining therein, the glass in said zones communicating only at an upper stratum of the bath, means for supplying glass-making materials to said basin and for delivering finished glass therefrom, heating means for said furnace, and means for controlling the heat supplied to said basin by said heating means to establish a zone of high temperature above said weir tending to create distinct convection circulations in the refining and cooling zones such that the return of cooling glass from the cooling zone to the refining circulation is materially reduced or prevented.

2,203,270
BELT BUCKLE
Frederick J. O'Brien, Nutley, N. J.
Application May 14, 1938, Serial No. 208,002
3 Claims. (Cl. 24—163)



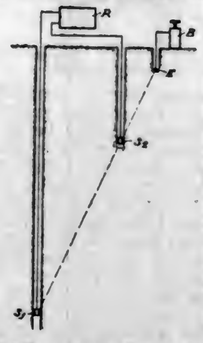
1. A belt buckle, comprising relatively displaceable body and cover plates between which the free end of a belt is adapted to be fastened and to one of which plates the opposite end of the belt is connected, the body plate having upper and lower side flanges bent inwardly from the upper and lower edges thereof to provide a guide chamber and said flanges terminating short of their opposing edges to provide a longitudinal guide passage, a slide bar guided in the chamber of said body plate, a belt-engaging stud on said bar projecting through said guide passage, and a spring arranged in said guide chamber and in operative engagement with said slide bar for yieldingly resisting its movement in one direction.

2,203,271
CONTAINER
Harry F. Rigerman, Kenmore, N. Y.
Application July 12, 1938, Serial No. 218,817
8 Claims. (Cl. 229—5.7)



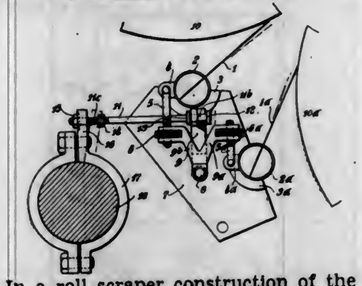
1. A container comprising an open-ended shell with an endless reinforcing band adjacent an end thereof and tightly embracing the shell, and a plurality of bendable detents at intervals between said shell and said band and projecting beyond the end of said shell, the said reinforcing band and said detents being held against longitudinal movement with respect to said shell by a deformation in the band and in each detent which register with and engage a depression in the outer surface of said shell.

2,203,272
APPARATUS FOR DETERMINING SEISMIC VELOCITIES
Neil R. Sparks, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application July 8, 1938, Serial No. 218,248
4 Claims. (Cl. 181—0.5)



1. Apparatus for determining seismic wave velocities comprising a source or seismic waves located beneath but relatively close to the surface of the earth, a reference seismometer located below said source and separated from said source by a relatively large vertical distance and a substantial but relatively small horizontal distance, a well seismometer located below said reference seismometer and separated from said reference seismometer and from said source by substantial but relatively small horizontal distances, and by vertical distances which are large relative to all of the distances previously mentioned, the direct wave path from said source to said reference seismometer being substantially equivalent as to seismic wave travel time with the same length of path starting from said source and measured in the direction of said well seismometer, and means associated with said seismometers for determining the time interval between wave arrivals at said two seismometers.

2,203,273
MILLING MACHINERY
John Leslie Williams, London, England, assignor to Gardiner's Conveyors Limited, Bermondsey, London, England, a British company
Application November 24, 1937, Serial No. 176,363
In Great Britain December 11, 1936
8 Claims. (Cl. 83—12)

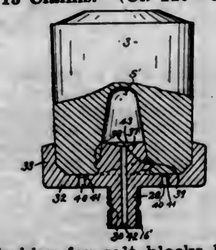


8. In a roll scraper construction of the character described, an elongated blade supporting member comprising an elongated tubular blade holder disposed with its axis parallel to that of an associated mill roller and having a longitudinal blade receiving slot in the wall thereof, the wall of said tube opposite said slot providing a concave curvilinear surface adapted to seat the edge of a blade disposed in said slot, and a scraper blade consisting of a thin elongated flexible metal strip loosely disposed in the slot in said tube with the edge of said blade within said slot engaging said curvilinear surface.

2,203,274
ELASTIC COATING
William J. Anderson and Samuel S. Rosen, New York, N. Y., assignors to Protex Industries, Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 15, 1936, Serial No. 105,674
18 Claims. (Cl. 47—6)

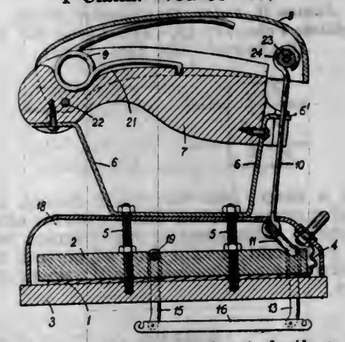
1. The method or process of dressing cavities, wounds, and the like, of trees and the like, which consists of covering said cavities, wounds, and the like with a film of latex containing secondary sex principles.

2,203,275
SALT BLOCK HOLDER
Frank H. Beyea, Union Springs, N. Y.
Application February 8, 1939, Serial No. 255,292
13 Claims. (Cl. 119—51)



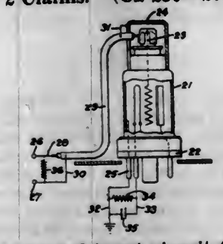
1. In a holder for salt blocks having tapered side surfaces, a support comprising a bottom portion of greater cross sectional area than one end of the salt block, a marginal flange extending upwardly from said bottom portion providing a recess for receiving said end of the block therein, the inner surface of said flange being inclined to correspond to the tapered side of the block whereby the block is frictionally engaged by said flange when mounted in said recess, and means for supporting said support.

2,203,276
FLATIRON
Helen Craig Davis, London, England
Application February 16, 1939, Serial No. 256,768
In Great Britain April 28, 1938
1 Claim. (Cl. 38—79)



In a flatiron of the kind set forth a weight having two transverse grooves, a rolling shaft in the foremost of said grooves having its ends bent downwards and adapted to serve as legs, in the rearmost of said grooves a rolling shaft provided with a cranked part and having its ends bent downwards and adapted to serve as legs, a cover detachably secured to said weight having slots cut inwardly from its lower edge and adapted to retain said rolling shafts in said grooves, a handle secured above said cover, a hood-like element pivotally mounted on said handle, a pivotally mounted link connecting the rear part of said hood-like element to the cranked part of said cranked rolling shaft, resilient means adapted to raise the rear part of said hood-like element, and links connecting together the downwardly bent portions of said rolling shafts.

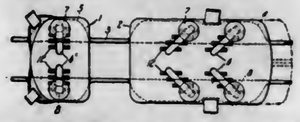
2,203,277
THERMIONIC TUBE CIRCUIT
Robert H. Dreisbach and Norman F. Martin, Fort Wayne, Ind., assignors to The Magnavox Company Incorporated, Fort Wayne, Ind., a corporation of Illinois
Application September 4, 1937, Serial No. 162,508
2 Claims. (Cl. 250—27)



1. In an improved input circuit for thermionic tube amplifiers employing metal tubes, the combination of grid and ground input terminals, a thermionic tube of the metal incased type having a grid terminal at the upper end thereof and a ground connection at the base thereof, a connection between the grid input terminal and the

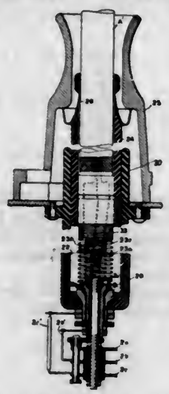
grid of said tube, a concentrically arranged metallic shield substantially covering said connection for its entire length, and a circuit-forming connection between the ground input terminal of the circuit extending through the concentrically arranged shield about the grid input connection and the walls of the thermionic tube to the grounding connection at the base of said tube.

2,203,278
SKATE
James R. Foley, Manchester, Conn.
Application February 25, 1939, Serial No. 258,489
18 Claims. (Cl. 280—11.12)



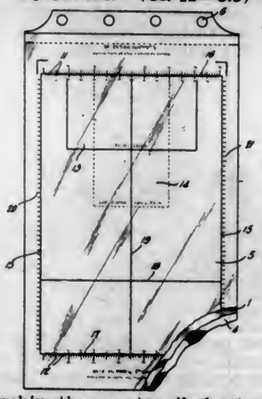
1. In a skate, foot supporting means, a plurality of runners thereon, and means for effecting longitudinal adjustment of said runners relative to the front end of said foot supporting means while effecting relative lateral adjustment of said runners.

2,203,279
X-RAY APPARATUS
Edward B. Graves, South Euclid, Ohio, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Original application October 28, 1937, Serial No. 171,503, now Patent No. 2,137,647, dated November 22, 1938. Divided and this application August 6, 1938, Serial No. 223,439
3 Claims. (Cl. 200—51)



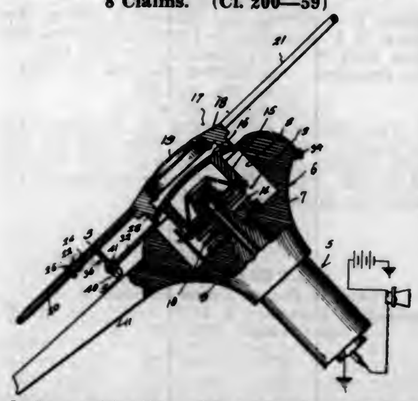
1. A terminal unit for the purpose described, comprising a generally cylindrical insulating bushing adapted to be mounted in a wall of a container and having an end part extending substantially within the container, a plurality of switch contactors mounted on said bushing end part, in spaced relation along the bushing and in insulated relation from each other, said bushing having a hollow socket extending centrally adjacent said contactors, said terminal unit having a plurality of cable contactors presented endwise at the base of and within said socket and in concentric relation with each other, and having means connecting each of said cable contactors with one of said switch contactors.

2,203,280
STENCIL FILM
Almon A. Heath, Hawthorne, Calif.
Application September 5, 1939, Serial No. 293,355
19 Claims. (Cl. 41—3.5)



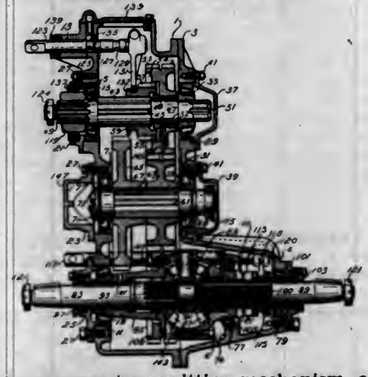
1. In combination, a stencil sheet upon which pervious areas may be formed by application of pressure, and without perforating the sheet, and a tenuous film overlying said sheet having a large degree of permanent extensibility, said film being made from material that serves as a fluent medium to transmit pressure to the sheet.

2,203,281
HORN BUTTON OPERATING DEVICE
Maurice H. Hollingsworth, Miami Beach, Fla.
Application April 13, 1936, Serial No. 74,192
8 Claims. (Cl. 200—59)



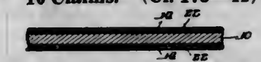
2. In combination with a steering wheel having a hub including a well adapted to accommodate horn switch mechanism including an actuator having radial spokes, a lateral extension on said hub, a bracket having an annular part stationarily resting on the top of said hub around said well and attaching means engaging the hub and holding said bracket in place thereon, said bracket further comprising radial arms, guiding and retaining members projecting upwardly from said radial arms, said guiding and retaining members being adapted to be engaged with the spokes of the actuator in a manner to prevent circumferential movement but permit limited up and down movement of said spokes, said attaching means comprising hooks engaging under said lateral extension of the hub.

2,203,282
POWER DIVIDING AND TRANSMITTING MECHANISM
Beverly W. Keese, Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Original application August 3, 1935, Serial No. 34,621. Divided and this application February 16, 1937, Serial No. 126,074
5 Claims. (Cl. 74—327)



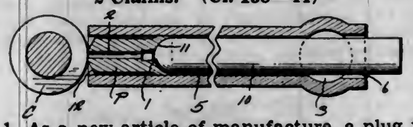
1. In a power transmitting mechanism, a casing, a power input shaft journaled in said casing, a differential carrier journaled at its ends in said casing and rigidly held against axial movement, means to drive said carrier from said input shaft including a gear fixed to said carrier and two axially movable gears, said gears all being of the herringbone type, and constantly meshing, whereby said axially movable gears may freely float to find their proper planes of rotation as located by said gear on said carrier.

2,203,283
FOIL CONDENSER AND METHOD OF PRODUCING SAME
Roger L. Miller, Lincoln, Ill.
Application October 13, 1933, Serial No. 693,412
10 Claims. (Cl. 175—41)



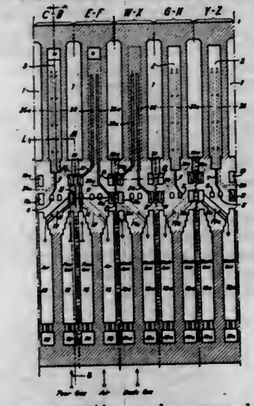
2. A foil condenser in which the dielectric comprises a rubber substance, and oxidized and polymerized vegetable oil.

2,203,284
METERING PLUG
Dwight Moody and Ralph E. Moody, Arkansas City, Kans.
Application July 7, 1938, Serial No. 218,038
2 Claims. (Cl. 138—44)



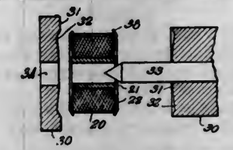
1. As a new article of manufacture, a plug for placement within the delivery end of a feeder line of an oiling system and having a restricted opening disposed axially therethrough, the inner portion of the plug being expansible into tight contact with the internal wall of the feeder line, the outer end of the applied plug to be substantially coplanar with the outer end of the feeder line.

2,203,285
REGENERATIVE COKE OVEN
Hermann Petsch, Recklinghausen in Westphalia, Germany
Application January 19, 1937, Serial No. 121,365
In Germany January 20, 1936
4 Claims. (Cl. 202—144)



3. In a regenerative coke oven having heating walls containing a number of heating flues, a pair of sole flues arranged one vertically above the other and provided with means for connecting these sole flues with one group of heating flues distributed along the whole length of a heating wall, a second pair of sole flues likewise arranged one above the other but widely spaced from the flues of the first mentioned pair and provided with means for connecting these latter sole flues with another group of heating flues distributed along the whole length of the same heating wall, the sole flues of the first pair being each connected respectively with a single regenerator chamber which latter extends parallel with and below the oven and both serve for simultaneous supply of combustion constituents or simultaneous discharge of combustion products and the sole flues of the second pair being likewise respectively connected in similar manner as the first pair with other regenerators which are arranged to cooperate with the first-mentioned regenerators by periodically reversing the direction of draught.

2,203,286
BOBBIN
William J. Simpson, Woburn, Mass.
Application December 19, 1938, Serial No. 246,679
3 Claims. (Cl. 112—251)



1. A bobbin having a cross-wound mass of thread, said bobbin comprising a tubular paper core and spaced paper heads, the internal diameter of the core being substantially uniform from end to end, the wall of the core at each end portion thereof being outwardly expanded and thicker than the core wall at the midportion of the bobbin, the external peripheral surface of said thickened end portion flaring outwardly, each head having an opening for the reception of the

corresponding end portion of the core, the material of the head which borders the opening converging inwardly with its free edge substantially at the junction of the cylindrical outer surface of the core with the outer flaring surface of the thickened end portion, the material which borders the opening of the head being under compression and pressing with such intimate contact against the external peripheral surface of the thickened end portion of the core as effectively to prevent relative rotation of the head and core, even when the bobbin is empty.

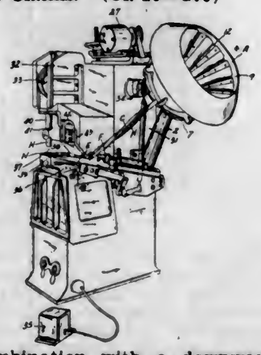
2,203,287

ROTARY HOPPER AND INCLINED CHUTE

William E. Smith, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Original application October 3, 1935, Serial No. 43,393. Divided and this application February 10, 1937, Serial No. 125,060

8 Claims. (Cl. 10—170)



1. The combination with a downwardly inclined chute and a rotary hopper, of a bearing member having its axis inclined in the same direction as said chute and provided with an integral return chute extending from the first named chute to the hopper and inclined in a direction opposite to the inclination of the first named chute, said hopper being rotatably mounted upon said bearing member and having walls provided with article receiving grooves which are successively aligned with the first named chute to deliver articles by gravity thereto, and a constantly rotating member disposed adjacent said first named chute to kick improperly arranged articles in said chute into the bearing chute to return them into the hopper.

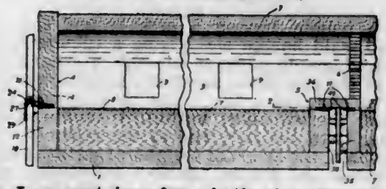
2,203,288

CONTAINER FOR MOLTEN GLASS

Paul G. Willetts, Bolton Center, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application April 29, 1936, Serial No. 76,967

4 Claims. (Cl. 49—54)



1. In a container for a bath of molten glass, a glass confining wall built up of refractory material having its top surface so arranged and disposed in respect to the normal level of the bath of glass in the container that during the major part of the life of the container there will be a thin marginal portion of the glass of the bath extending over parts of said top surface from the main body of the bath toward the outside of the container, and a cooling means employing a liquid cooling medium and having a portion at least disposed inside the vertical plane of the outer face of said refractory material and terminating short of the periphery of the main body of the glass bath in the container, said portion of the cooling means being above but closely adjacent to the normal level of the bath of glass in the container for progressively cooling and freezing said marginal portion of glass to form a lateral boundary for the bath of glass in the container.

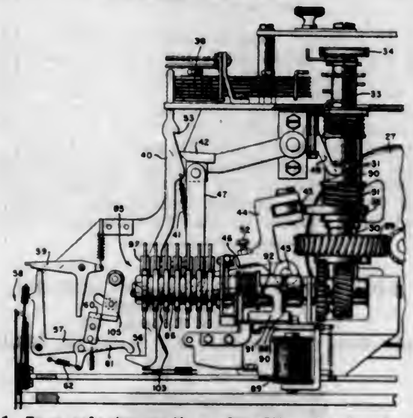
2,203,289

TELEGRAPH SWITCHING SYSTEM

Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application October 22, 1937, Serial No. 170,376

7 Claims. (Cl. 178—2)



1. In a selector unit, a plurality of sets of contacts, means individual to each set of contacts for causing their operation, a plurality of permutation bars, means responsive to code signal impulses for setting said bars in varying permutations, a selectable element selected through the setting of said bars and operated upon its selection for operating said contact operating means, means for holding each contact operating means in its actuated position, and means associated with said permutation bars and responsive to a particular setting thereof for preventing, pending the establishment of predetermined signal conditions, the further operation of said contact operating means.

2,203,290

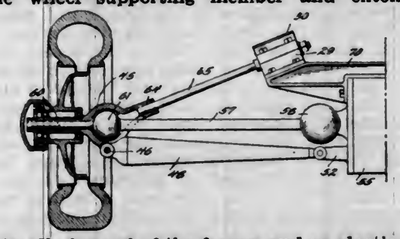
MOTOR VEHICLE

Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application October 18, 1937, Serial No. 169,718

2 Claims. (Cl. 267—21)

1. In a motor vehicle, the combination with a vehicle frame, of a road wheel supported on said frame for rising and falling movement with respect thereto, and means affording the sole yielding resistance to rising movement of the wheel, said means comprising a wheel supporting member, an arm rigidly connected at its outer end to the wheel supporting member and extending



laterally inward of the frame, and an elastic connection consisting of deformable resilient material between the arm and the frame, said deformable material acting in compression and shear to resist displacement of said arm.

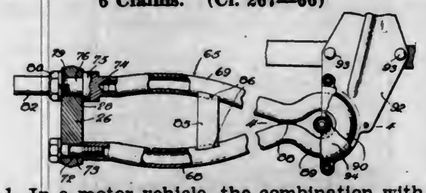
2,203,291

MOTOR VEHICLE

Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application October 20, 1937, Serial No. 170,127

6 Claims. (Cl. 267—66)



1. In a motor vehicle, the combination with a vehicle frame, of a road wheel, means including a laterally extending link connecting said wheel to said frame for relative rising and falling movement, a torque arm connected to said frame and said link, the major portion of said torque arm being formed of an elongated bar bent upon itself to form arms extending in the same general direction, and means associated with the free ends of said arms for securing the latter to said link, said last named means including a bolt extending through said link and having threaded connection with the free end of one of said arms.

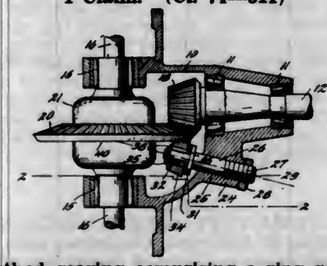
2,203,292

GEARING

Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application October 29, 1937, Serial No. 171,792

1 Claim. (Cl. 74—311)



Toothed gearing comprising a ring gear having bevel teeth on one side thereof and a surface defining a plane normal to the gear axis on the other side thereof, a pinion having bevel teeth meshing with said ring gear teeth, a roller having a conical surface, means supporting said roller with the conical surface thereof in line contact with the plane surface on said ring gear opposite said pinion and with the apex of the cone defined by said conical surface in the axis of said ring gear and in the said plane surface, and means for adjustably moving said roller toward said ring gear.

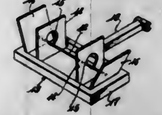
2,203,293

FORCE MEASURING DEVICE

Hart Brown, Houston, Tex.

Application April 28, 1939, Serial No. 270,520

2 Claims. (Cl. 265—1.5)



1. In a device of the type described having a main mass, the improvement that comprises an elongated calibrating weight, means to add the calibrating weight to the main mass of the device and to remove it therefrom, said means including a member for positioning said calibrating weight in the desired position on the main mass, which member can be entirely freed from contact with the calibrating weight when it is on the main mass, but which is arranged to so surround the calibrating weight at all times that the calibrating weight cannot escape therefrom and will always be returned to the same position in the grasp thereof when it is lifted thereby from the main mass, said member having a pair of upwardly diverging plates positioned so as to contact the ends of said calibrating weight when it is lifted by said members, to position said calibrating weight axially.

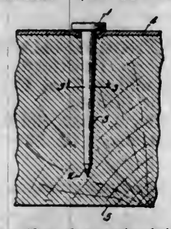
2,203,294

NAIL FOR FASTENING SHEETING

Ralph L. Engle, Oden, Mich.

Application March 16, 1939, Serial No. 262,294

4 Claims. (Cl. 85—10)



2. A nail having the characteristics of a roofing nail capable of perforating and fastening sheeting, said nail having a head, a shank, and a point, said entire shank having a circular cross-section and the cross-sectional diameter of a substantial portion of said shank decreasing gradually from the head toward the point.

2,203,295

LECITHIN PRODUCT AND METHOD OF MAKING THE SAME

Richard Feibelmann, New York, N. Y., assignor to The Aktivin Corporation, New York, N. Y., a corporation of New York

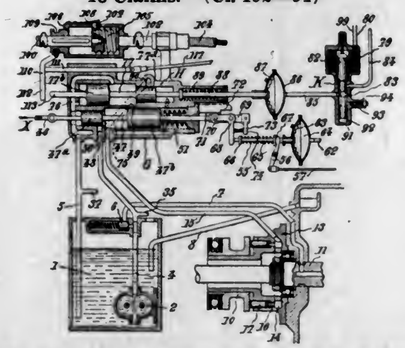
No Drawing. Application June 17, 1937, Serial No. 148,759. Renewed March 9, 1940

16 Claims. (Cl. 252—6)

1. A composition of matter containing lecithin,

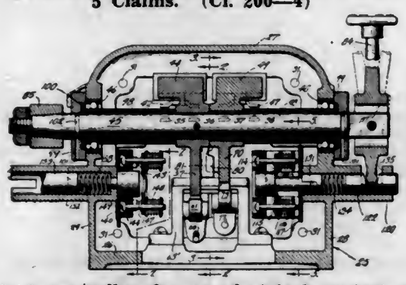
urea, and a liquid, which is a solvent for lecithin and which will not interfere with the formation of an aqueous emulsion the proportion of liquid being sufficient to give the composition paste form, and the proportion of urea being sufficient to hold the lecithin in suspension as an emulsion when an excess of water is added.

2,203,296
DEVICE FOR CONTROL AND OPERATION BY FLUID SERVO-MOTOR
Gaston Fleischel, Bleneau, France
Application April 27, 1937, Serial No. 139,321
In France May 7, 1936
18 Claims. (Cl. 192—91)



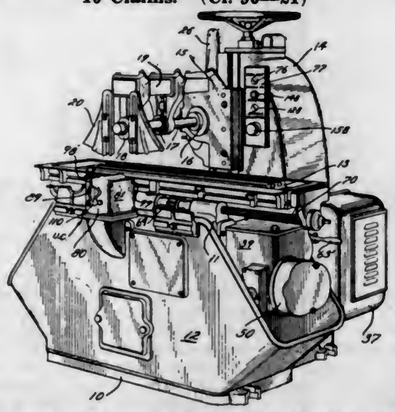
10. In the combination of an engine, a clutch operatively connected thereto, means resiliently urging said clutch to engaged position, and a servo-motor for disengaging said clutch against the action of said resilient means, means to supply fluid to said servo-motor, and control means for said fluid including a distributor, said distributor being so constructed and arranged that the fluid controlled thereby tends to move the distributor, and means to exert on said distributor a force which varies with variations in the operating conditions of the engine.

2,203,297
CONTROL MECHANISM
Bengt R. Granberg, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application May 4, 1937, Serial No. 140,734
5 Claims. (Cl. 200—4)



1. A controller for an electrical control circuit comprising, in combination, a casing, a first pair of switches, oscillatable means for actuating said switches including a rotatably mounted shaft having one end projecting outwardly of the casing, a second pair of switches disposed within the casing, a reciprocable actuating means for said switches having a portion extending outwardly of the casing adjacent the outward projection of the shaft, a single control handle fixed on the projecting end of the shaft against rotation relative thereto for actuating the first pair of switches by movement of the handle in a plane transverse to the shaft, said handle having a neutral and an extreme position on either side of neutral in the plane transverse to the shaft, means for yieldably retaining said handle in any one of its three positions, said handle being pivotally mounted on the end of the shaft for movement in a plane through the shaft and engaging said reciprocable actuating means for actuating the second pair of switches, said handle having in its pivotal movement a neutral position corresponding with the neutral position in its transverse plane of movement and an extreme position on either side of neutral in a plane through the shaft, the reciprocable actuating means including means tending to return said handle to its neutral position in a plane through the shaft.

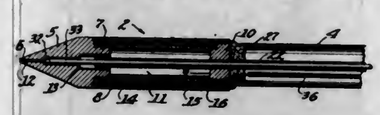
2,203,298
MACHINE TOOL
Bengt R. Granberg, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application October 15, 1937, Serial No. 169,242
10 Claims. (Cl. 90—21)



1. In a machine tool having a carriage reciprocated at a feed and a traverse rate and to the left and to the right, electrical control mechanism for the machine tool comprising a first means having two positions respectively determining feed movement to the right or toward the left, a second means having a neutral position and an extreme position on each side of neutral, said second means in either extreme position effecting traverse movement of the carriage, manual means and automatic means having joint control over said second means, a lost motion connection between said first and second means whereby said second means actuates said first means only when swung to an extreme position, and start and stop control means independent from said first and second means.

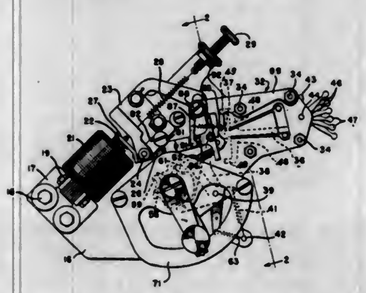
2,203,299
FOUNTAIN TYPE SOLDERING IRON
Thomas H. Hallwood, Columbus, Ohio
Application January 15, 1938, Serial No. 185,200
5 Claims. (Cl. 219—27)

1. A soldering iron having a body portion and a handle portion, said body portion including a soldering tip having a central bore, a tubular sleeve secured to said tip, a wall member closing the open end of said sleeve to form a reservoir therein, the bore in said tip communicating with said reservoir, means for feeding solder to said reservoir, an electrically energized heating element surrounding said reservoir, a tube carried by said wall member and having one end projecting into said reservor, the other end of said



tube extending through said handle portion and having threads provided thereon, a nut received by the threads on said tube and serving to secure the body and handle portions of said iron in assembled relationship, and a rod with a diameter conforming substantially to the interior diameter of said tube and adjustable longitudinally therein, the inner end of said rod being tapered and engaging the edge of the bore in said tip to control the flow of molten solder from said reservoir.

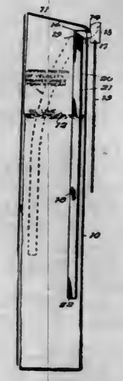
2,203,300
PRINTING TELEGRAPH APPARATUS
Edwin W. F. Hanke, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 17, 1936, Serial No. 116,271
16 Claims. (Cl. 178—33)



1. In a selector mechanism, signal responsive means, a selector element presentable in either of two positions under control of said means, means for operatively supporting said selector element, means for imparting movement of one character to said supporting means, and means for imparting movement of another character to said supporting means.

2,203,301
APPARATUS FOR DEPOSITING FOAM ON LIQUID SURFACES
Harold M. Hoe, Pittsburgh, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 24, 1938, Serial No. 209,806
6 Claims. (Cl. 169—4)

1. A foam-protected tank which comprises in combination, a tank, a supporting means positioned within said tank adjacent to the top thereof, a foam-deflecting and guiding apron of fire-resistant material attached to and depending from said supporting means, said apron being spaced a short distance from the side wall of said tank throughout its length, and foam-supplying

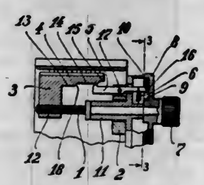


means adapted to feed foam against said apron between said apron and said tank wall.

2,203,302
CONCRETE HARDENING COMPOSITION OF THE METAL SALT TYPE
Leo Liberthson, New York, N. Y., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware
No Drawing. Application December 24, 1937, Serial No. 181,682
5 Claims. (Cl. 134—78.5)

1. An aqueous concrete hardening solution comprising an aqueous solution of at least one water soluble metal salt concrete hardener and sulphonic acids of hydrocarbons possessing in open chain configuration not more than 18 and not less than 10 carbon atoms, said acids being present in amount and potency sufficient to reduce the normal surface tension of said solution to at least 45 dynes/cm. at 80° F.

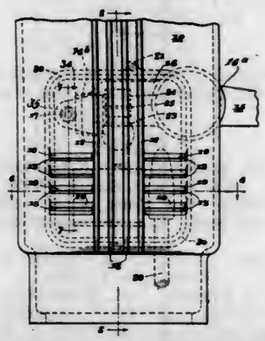
2,203,303
SCREW ADJUSTING MECHANISM
Fritz Meinhardt, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application October 8, 1938, Serial No. 233,899
In Germany November 13, 1937
5 Claims. (Cl. 88—39)



1. In a mechanism of the character described the combination of a slidable member, a screw in threaded engagement therewith, supporting means for said screw, means for rotating said screw to move the slidable member a given distance in opposite directions, two stop members, means supporting the same to rotate with said screw, a pivoted lever engaging said slidable member and adapted to be moved into the path of movement of either of said stop members, a

cam on said slidable member normally maintaining said lever out of the path of movement of said stop members and other cams on said slidable member for automatically moving the lever into the path of movement of either one of said stop members to prevent rotation of the screw when said slidable member has been moved the said given distance in either direction and means for supporting said pivoted lever in operative relation to said slidable member and to the said stop members.

2,203,304
SEAT END STANDARD
Erving B. Morgan and Clyde E. Yost, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application June 25, 1937, Serial No. 150,248
9 Claims. (Cl. 240—4)



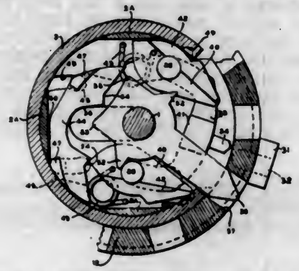
1. A seat end standard having a vertically disposed rib centrally along its outer wall surface and light emitting openings through its wall on opposite sides of said rib below the level of the supported seat and adjacent the lower end of the standard, a cover disposed over said openings and secured to the inner wall of the standard forming a housing, and a lamp disposed within the housing.

2,203,305
PROCESS OF DYEING
Paul Rabe and Hans Roos, Leverkusen I. G.-Werk, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application March 25, 1939, Serial No. 264,179. In Germany April 5, 1938
1 Claim. (Cl. 8—24)

In the process of dyeing mixed fabrics consisting of cellulose or regenerated cellulose and cellulose-esters or -ethers with so-called diazo colors, in which process the dyestuffs are diazotized on the fiber and developed, the modification which comprises using as developer a compound of the group consisting of 1-methylol-2-hydroxynaphthalene and 2-hydroxynaphthalene-1-carboxylic acid.

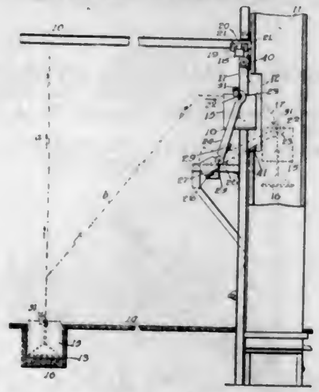
2,203,306
ACCUMULATING MECHANISM
David Y. Read, New York, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application July 1, 1937, Serial No. 151,417
16 Claims. (Cl. 235—137)

6. An accumulator including a tubular casing, an accumulator wheel mounted upon said tubular casing, a shaft movable within said tubular casing, and a detent mounted upon said shaft



and movable thereby into and out of engagement with said accumulator wheel.

2,203,307
FURNACE CHARGER
John N. Richardson, Chicago, Ill.
Application March 21, 1938, Serial No. 197,087
13 Claims. (Cl. 214—18)



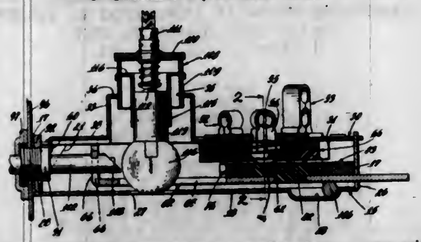
3. In a charger for an upright furnace, a bucket with a discharge bottom, means for raising and lowering the bucket, means comprising arms pivotally mounted at the side of the furnace with extremities for engaging and swinging the bucket laterally in upright position within and at the top of the furnace to discharge therein from the bottom of the bucket.

2,203,308
ANTISKID FINGER CLIP
George Hubert Rives, Brooklyn, N. Y., assignor to Rives Neverslip, Inc., Brooklyn, N. Y., a corporation of New York
Application August 1, 1939, Serial No. 287,716
4 Claims. (Cl. 294—25)



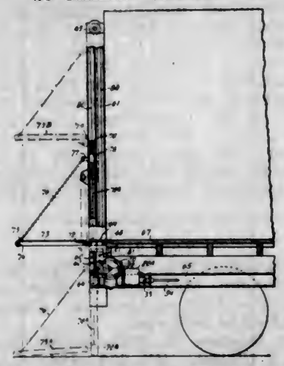
1. An antiskid finger clip for manipulating sheet-like material, comprising a one-piece jacket of resilient material, and a frame core of pliant metal, embedded in said jacket, and having one or more apertures, said jacket having sections thereof extending through said apertures to interlock said frame core and said jacket into an inseparable unit.

2,203,309
ELECTRICAL SWITCHING DEVICE
William Schmid, Bronson, Mich., assignor, by mesne assignments, to Kingston Products Corporation, a corporation of Indiana
Application November 2, 1936, Serial No. 108,714
6 Claims. (Cl. 200—16)



1. Electrical switching mechanism, comprising: a support member; a bridge member; movable operating means, carrying said bridge member for movement relative to said support member; contact means carried by said support member for movement relative to said support member in a direction transverse to the movement of said bridge member, said contact means having a portion for engagement with said bridge member; bearing means, for supporting said operating means, constructed and arranged to provide for said relative movement of said operating means, and also providing a fulcrum for rocking of said operating means; handle means, for effecting movement of said operating means, said handle means having a detachable connection with said operating means, said connection being released by movement of said operating means to a predetermined position about said fulcrum; and resilient means, constructed and arranged to urge the portion of said contact means against said bridge member so as to yieldably hold said operating means in a position opposite to said predetermined position, and thereby yieldably hold said handle means connected to said operating means.

2,203,310
HOISTING MECHANISM FOR VEHICLES
Harold W. Shonnard, Montclair, N. J.
Application May 14, 1938, Serial No. 207,909
25 Claims. (Cl. 214—75)



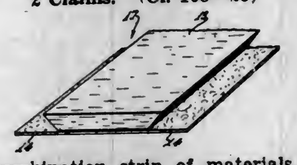
1. An assembled structure arranged to be attached to a vehicle comprising a pair of parallel posts, a slide in each post, a platform connected to the slides, a transverse beam, hoisting mechanism, connections between the slides and the hoisting mechanism, said hoisting mechanism having a ratchet and pawl arrangement for transmitting power positively in one direction to said connections to raise the platform, means for automatically stopping said power transmitting arrangement, and other means for operating said connections to further raise the platform after the power transmitting arrangement has been automatically stopped.

2,203,311
REGISTER SHIELD AND FILTER
Melroy Sinclair, Maplewood, Mo.
Application May 12, 1939, Serial No. 273,342
4 Claims. (Cl. 98—108)



1. A register shield comprising a pair of extensible frame members including top frame members and side frame members, said frame members being of channel form in cross section and the channel of said side frame members being of increased width toward their lower ends, to incline the front edge of the frame upwardly and inwardly, the bottom of said frame members being open to admit air upwardly behind the members, an extensible screen mounted in the front edge of the frame, a plurality of hooks engaged with the register and bolts inserted into the frame members and having threaded engagement with the hooks to detachably secure the frame members in position.

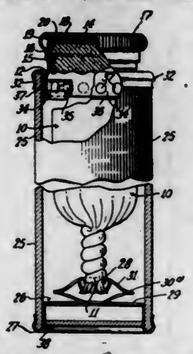
2,203,312
ROOF CONSTRUCTION
George E. Swenson, Hastings on Hudson, N. Y., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application July 25, 1938, Serial No. 221,055
2 Claims. (Cl. 108—26)



1. A combination strip of materials secured one to the other and constituting a cant-strip for a roofing construction, the one material being a felted fiber board impregnated with a waterproofing and along its opposite edges reversely bevelled from one face toward the other face thereof, the other material being of flexible sheet form saturated with a water-proofing, the flexible material of greater width than the board form

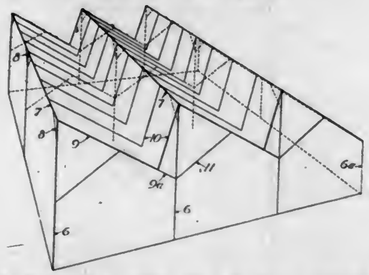
material and secured against the narrower face of the board form strip providing flexible flanges along the edges of the combination cant-strip, such flanges constituting means for securing the cant-strip in roofing construction.

2,203,313
DISPENSING CONTAINER
Percy M. Thorn, New Rochelle, N. Y.
Application September 7, 1938, Serial No. 228,729
7 Claims. (Cl. 221—60)



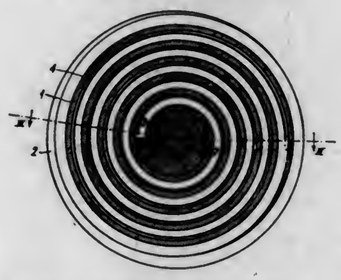
1. A container comprising a flexible non-metallic tubing, a rigid rim to which the upper portion of said tube is attached, a closure member for closing the tube mounted on said rim, said closure member being operable and closable by a partial rotation of a member about the axis of the tube, a casing surrounding said tube, means on said casing for holding the bottom end of said tube and means on the upper portion of said casing for engaging and supporting said rim, the lower end of the tube being connected to the casing by a plate having a plurality of concentric circumferential grooves interrupted at spaced points, the grooves of one diameter being spaced opposite to the interruptions of radially adjacent grooves, to render it transversely elastic and means upon said plate for crimping the lower end of the tube.

2,203,314
ROOF CONSTRUCTION
Irving S. Towsley, North Hills, Pa.
Application May 12, 1939, Serial No. 273,183
3 Claims. (Cl. 108—1)



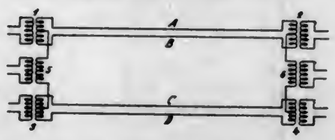
1. A saw-tooth roof construction comprising rows of vertical supporting columns, a ridge girder carried by each row, rafters one end of each of which is carried upon a ridge girder, and tension member supporting the other ends of said rafters from the adjacent ridge girder.

2,203,315
APPARATUS FOR MANUFACTURING CONDENSER ELECTRODES
Wilhelmus Lambertus Leonardus Vivie, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 17, 1938, Serial No. 196,320
In Germany March 30, 1937
3 Claims. (Cl. 153—64)



1. A matrix adapted to be used in forming spiral condenser plates said matrix being provided with two oppositely spiral grooves said grooves being arranged to receive resilient metal strips and form therefrom a pair of enantiomorphic members adapted to cooperate with each other and form the plates of a condenser.

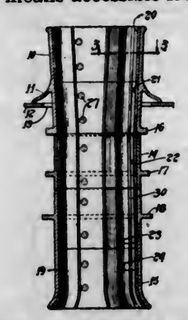
2,203,316
HIGH FREQUENCY SYSTEM
Alfred Wiessner, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 8, 1938, Serial No. 194,555
In Germany March 12, 1937
1 Claim. (Cl. 179—15)



The method of message transmission over physical cable pairs utilizing high frequency oscillations which includes the steps of connecting the cable pairs in phantom, impressing high frequency signalling oscillations on each pair as side lines; impressing other high frequency signalling oscillations on the phantomed pairs, the lower frequency limit of said other oscillations being chosen above the upper frequency of the first oscillations at which said upper frequency the side lines approach maximum attenuation.

2,203,317
LOCOMOTIVE SMOKESTACK
Oscar E. Wolden, Minneapolis, Minn., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application January 20, 1938, Serial No. 185,855
3 Claims. (Cl. 110—184)

1. In combination with a stack for the discharge of the products of combustion from the smoke box of a locomotive boiler, a liner for said stack comprising a plurality of liner sections, means for detachably securing each section independently of its companion sections directly to said stack, and means accessible from outside the

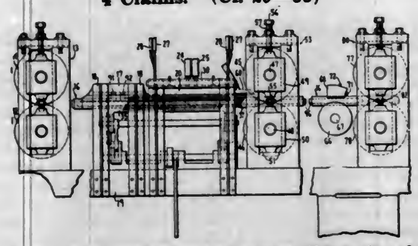


stack for locking the securing means to fasten the sections in operative position.

2,203,318
PROCESS FOR PREPARATION OF MEAT PRODUCTS
Henry H. Yerk, Chicago, Ill.
Application July 20, 1939, Serial No. 285,499
4 Claims. (Cl. 99—108)

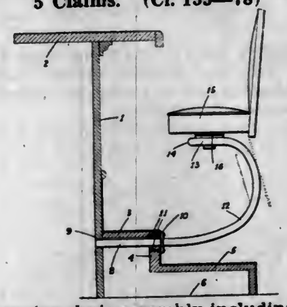
1. The method of preparing a meat product comprising supporting a piece of meat in a position to be operated upon, inserting elongated hooked members into the meat and withdrawing the same therefrom thus rupturing the connective tissue, repeating said inserting and withdrawing until the meat is a kneadable mass, and rolling the mass to form a sheet of suitable thickness for cooking, whereby the meat fibers become compressed together and interlaced.

2,203,319
TUBE WELDING APPARATUS
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 13, 1937, Serial No. 153,335
4 Claims. (Cl. 29—33)



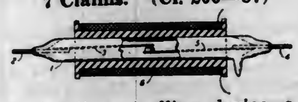
1. In tube welding apparatus through which a tube blank moves with continuous motion, a heating agency in position to heat the edge faces of the tube blank locally to bring said faces to a molten condition, and welding rolls immediately behind the heating agency including an upper roll which contacts with the tube blank for substantially equal distances on both sides of the seam, said upper roll having a groove immediately over the seam, and a lower roll cooperating with the upper roll to cause the fused edge faces of the tube blank to be pressed together with great force so that molten metal on the edge surfaces is squeezed out from between the edge portions of the tube blank to produce a flash extending into the groove in the upper roll.

2,203,320
COUNTER CHAIR
Ture I. Anderson, Merced, Calif.
Application August 22, 1938, Serial No. 226,128
5 Claims. (Cl. 155—78)



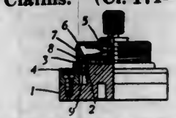
3. A counter chair assembly including a mount comprising a pair of laterally spaced spring legs, said legs having lower end portions adapted to be secured on a support, the legs extending upwardly from said lower end portions and thence curving inwardly as substantially horizontal upper end portions disposed in a plane above said lower end portions, a counter chair mounted on said upper end portions, and means securing said legs against lateral separation; said means comprising a substantially semi-circular brace connected between the legs in an upwardly opening position, said brace being mounted relative to the curved portions of the legs so as to form a hat support with said curved leg portions.

2,203,321
SWITCHING DEVICE
Henry M. Bascom, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 27, 1939, Serial No. 296,732
7 Claims. (Cl. 200—87)



1. In a circuit controlling device, a gas-tight vessel, two flexible reeds of magnetic material in said vessel, contact elements on said reeds arranged to form a partially closed chamber, a comminuted magnetic material in a portion of said chamber, and a coil outside said vessel for flexing said reeds towards each other to reduce said chamber and for causing said comminuted material to bridge the contact elements to establish an electrical connection between said reeds when said coil is energized.

2,203,322
MECHANICAL RESONATOR, SUCH AS PIEZO-ELECTRIC CRYSTAL DEVICES
Marc Ernest Albert Bruzau, Stanislas Van Mierlo, and Paul Lucien Bour, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y.
Application January 22, 1937, Serial No. 121,858
In France January 30, 1936
5 Claims. (Cl. 171—327)



1. In combination a piezoelectric crystal ele-

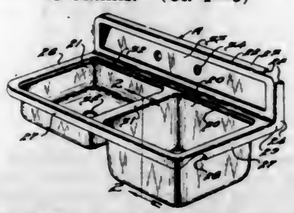
ment an edge support for the crystal element and a layer of lead, tin or other soft metal on said edge support and forming a bearing for said crystal element.

2,203,323

LAUNDRY TRAY UNIT OR THE LIKE

Harry G. Coordes, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application January 16, 1939, Serial No. 251,082
4 Claims. (Cl. 4—5)



1. A laundry tub or sink unit formed from a single metal sheet and comprising two fluid receiving bowls pressed into laterally spaced portions of the metal sheet whereby the adjacent upright walls of the bowls are spaced to provide an upper partition rim, the metal beyond the bowls being bent down to form a marginal turned or rolled rim formed as a seamless part of a depending apron extending continuously around three sides of the bowls, the metal at the fourth side of the bowls being bent up along a seamless unbroken line spaced rearwardly of the bowls to provide at once a ledge and an upright splashback, the walls of said sumps having a stepped formation at their juncture with said turned rim and said partition rim merging seamlessly into said stepped formation in a plane below the plane of said ledge.

2,203,324

PRODUCTION OF DEXTROSE

Charles J. Copland, North Kansas City, Mo., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 19, 1938, Serial No. 208,823
8 Claims. (Cl. 127—38)

1. In the production of dextrose, the treatment of a starch converted dextrose solution containing non-crystallizable sugar with a converting acid, at a pressure not substantially above atmospheric pressure to change said non-crystallizable sugar into crystallizable dextrose.

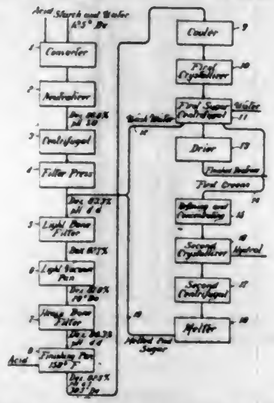
2,203,325

PRODUCTION OF DEXTROSE FROM STARCH

Sidney Mark Cantor, Riverside, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

Application November 25, 1938, Serial No. 242,262
10 Claims. (Cl. 127—38)

8. Process for the production of dextrose which comprises converting a starch water suspension having a density substantially above 9.5° Baumé, at a pressure substantially above atmospheric pressure in contact with a hydrolyzing acid; neutralizing and filtering the converter liquor; subjecting it to light bone filtration, a light vacuum pan concentration, a heavy bone filtration and concentrating it in a finishing pan to a density substantially below 40° Baumé; introducing an acid into the finishing pan to depolymerize polysaccharides; crystallizing the



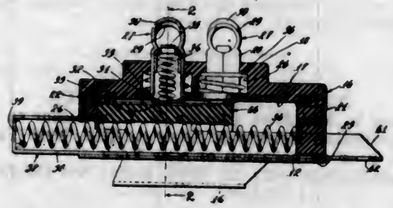
liquor with slow agitation, centrifuging the massecuite to remove most of the mother liquor; and washing the crystals with water.

2,203,326

ELECTRICAL SWITCHING DEVICE

Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana

Application October 30, 1936, Serial No. 108,403
7 Claims. (Cl. 200—16)



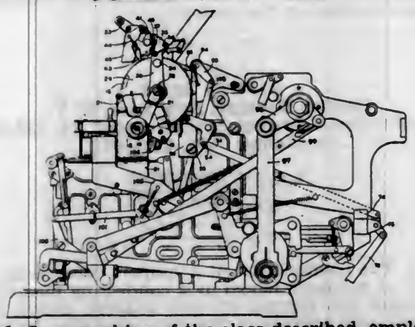
1. An electric switch, comprising: a casing, having a supporting wall, and walls extending angularly from the marginal surface of said supporting wall, certain opposite extending walls being recessed; a first switch element, carried by said supporting wall; a second switch element, disposed within the chamber formed by said casing, and being movable relative to said first switch element; generally tubular actuating means, extending through said casing, and having its extremities projecting through the recesses in said extending walls, said actuating means being connected to said movable switch element, and constructed and arranged to move said movable element to different positions with respect to said stationary element; spring means, disposed within the confines of said tubular actuating means, and having one end bearing against a part of said actuating means at one extremity of said actuating means, and the other end bearing against the extending wall through which the opposite extremity of said actuating means projects, said spring means being constructed and arranged to urge said movable switch element to a predetermined relation with respect to said first switch element; and plate means, spanning the terminating margins of said angularly extending walls to close off said casing, said plate means being secured to said casing.

2,203,327

TABULATING MACHINE

John T. Ferry, Ilion, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application October 26, 1938, Serial No. 237,007
5 Claims. (Cl. 197—133)



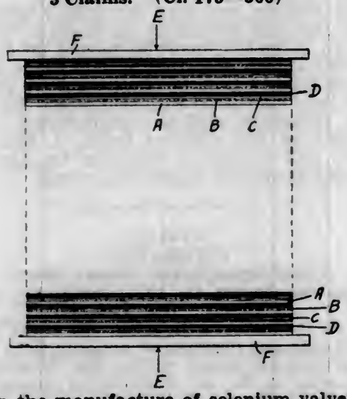
1. In a machine of the class described, employing punched data cards for the tabulation of data, having a paper feeding mechanism operated through a clutch and capable of causing a paper feeding operation for each cycle of the machine, the combination of an arm adjustably secured to a shaft which is rotated by said feeding mechanism; a bar operatively connected by mechanical linkages to said clutch; a pawl adapted to retain said bar in clutch operative position until the pawl is engaged by said adjustable arm, whereby said bar is released after a predetermined number of paper feeding operations have occurred; a lug on said bar adapted to be engaged and lifted by said arm; and a manually operable lever connected to said feeding mechanism by a ratchet gear, whereby said bar may be manually reset in clutch operative position after having been released.

2,203,328

MANUFACTURING SELENIUM VALVE DISKS FOR RECTIFIERS AND PHOTOELECTRIC CELLS

Otmar Geisler, Nuremberg, Germany, assignor to Suddeutsche Apparate-Fabrik G. m. b. H., Nuremberg, Germany, a company

Application August 2, 1939, Serial No. 287,895
In Germany August 6, 1938
3 Claims. (Cl. 175—366)



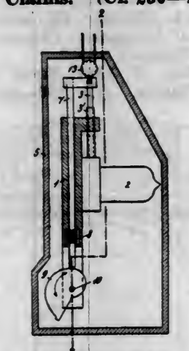
1. In the manufacture of selenium valve disks for rectifiers and photoelectric cells the method which consists in stacking valve disks, composed of a metallic base plate and an amorphous selenium layer thereon, and auxiliary disks between these valve disks, such auxiliary disks being composed of a metal foil and a protective layer on this, and which further consists in compressing the pile of disks so obtained while heating it until the amorphous selenium has been converted into the crystalline modification.

2,203,329

TUNING ARRANGEMENT FOR HIGH FREQUENCY APPARATUS

Joachim Goldmann, Berlin-Wilmersdorf, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application June 11, 1937, Serial No. 147,693
In Germany June 16, 1936
4 Claims. (Cl. 250—20)



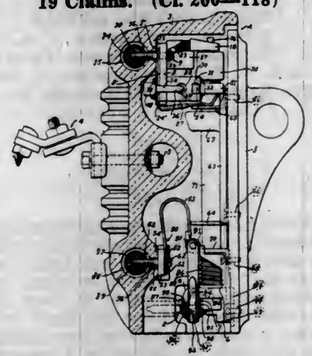
1. In a tuning arrangement for ultra short wave transmitters and receivers, a fixedly mounted coupling member, a base plate, means for rotatably supporting said base plate, an electron tube and a coupling member connected therewith mounted on said base plate and movable therewith, and means including a control knob for rotating said base plate whereby the amount of coupling between the two coupling members may be varied by rotating the base plate.

2,203,330

SECTIONALIZING CUTOUT

George W. Goldner, St. Louis, Mo., assignor to James B. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

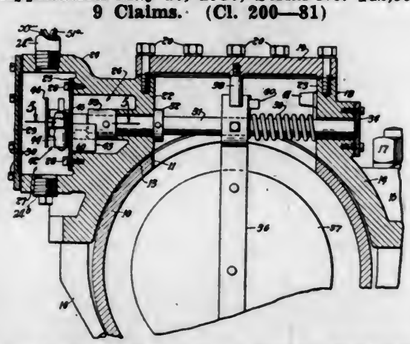
Application September 28, 1936, Serial No. 102,848
19 Claims. (Cl. 200—118)



1. A cutout comprising a fuse unit movable to

open circuit and closed circuit positions, said fuse unit including a tube formed of insulating material, a fusible element located within said tube, said fusible element when in an intact condition serving to retain the fuse unit in the closed circuit position and when ruptured allowing the fuse unit to move to the open circuit position, a sealed chamber located at one end of said tube and in alinement therewith, and energy-conducting elements extended into said sealed chamber and spaced apart therein to provide an air gap within the sealed chamber which is in series with said fusible element, said air gap being adapted to break down on a predetermined voltage to cause flow of current through said fusible element which ruptures said fusible element.

2,203,331
FLOW SWITCH
Walter H. Hinsch, Chicago, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1937, Serial No. 142,997
9 Claims. (Cl. 200—81)



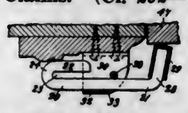
1. In combination with means providing a conduit through which a stream of liquid may flow, means providing a saddle on said conduit and in communication therewith, said saddle having a chamber therein, means for isolating said chamber from said liquid in said conduit, circuit controlling means in said chamber, a shaft journalled in said saddle and rockable in response to the flow of liquid through said conduit, and means movable by and endwise of said shaft and effective through said isolating means for controlling said circuit controlling means.

2,203,332
PIEZOELECTRIC DEVICE
Thomas G. Kinsley, Whitehouse, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 9, 1938, Serial No. 229,131
8 Claims. (Cl. 171—327)



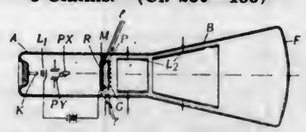
1. An electrostatic device comprising a flat plate of piezoelectric material, conductive surfaces applied to the opposite faces and insulated from each other and a rigid casing holding a portion of the periphery of the plate in fixed position, the remaining portion of the periphery being free to flex, said casing comprising two similar rigid clamping members each having a spacing projection to form a recess between the members to receive the plate of piezoelectric material, the projection on one member being interrupted for a portion of the length of the member and the projection on the other member occupying only the space provided by the interruption of the projection on said one member and terminals connected respectively to the conductive surfaces and mounted on the casing.

2,203,333
SAFETY BOLT
Gottlob Klumpp, New York, N. Y.
Application February 2, 1938, Serial No. 188,221
3 Claims. (Cl. 292—67)



2. The combination of a support comprising a pair of members joined by a connecting member, a hinge pin carried by said support, means to fasten said support to the jamb of a door frame, and a bolt comprising an outer longitudinal member and an inner longitudinal member spaced from the said outer member, the outer member of the bolt having a locking nose integral therewith at its outer end, said bolt adapted to be slidably positioned with the outer face of its inner member bearing against said jamb, and the outer member of the bolt positioned between said hinge pin and the connecting member of said support, said bolt in one position clearing the swinging end of a door for said door frame, and in another position having its locking nose bearing against the swinging end of said door.

2,203,334
ELECTRON DISCHARGE DEVICE
Emile Labin, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application July 7, 1937, Serial No. 152,329
In France October 22, 1936
8 Claims. (Cl. 250—153)

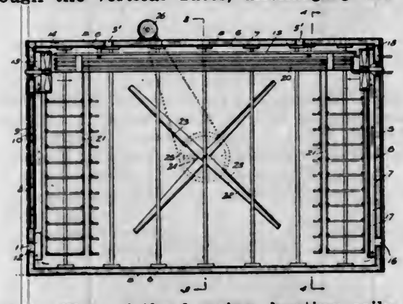


5. A cathode ray tube comprising means for producing and deflecting an electron beam, a plate of insulating material having on one side a control screen energized by said beam, and on the other side a layer of photo-sensitive material operatively associated with said screen for generating secondary electrons proportional to the intensity of the electron beam, a fluorescent screen, and means for directing the secondary electrons upon said fluorescent screen.

2,203,335
INCUBATOR
David Oscar Lager, Helena, Mont.
Application August 13, 1937, Serial No. 158,998
1 Claim. (Cl. 119—35)

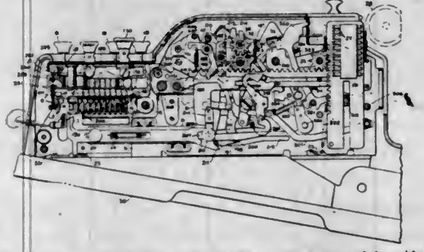
In an incubator, a housing, egg racks within the housing and disposed at opposite sides thereof, vertical air ducts within the housing, the lower ends of the air ducts being spaced from the floor of the housing, said air ducts having openings establishing communication with the

atmosphere, a substantially wide horizontal air duct connecting the upper ends of the vertical air ducts, a fan positioned in the horizontal duct and adapted to draw air from the bottom of the housing and from the exterior of the housing through the vertical ducts, discharging the air



at the ceiling of the housing, heating coils arranged adjacent to the ceiling of the housing and against which the air is discharged heating the air, and fans operating at the sides of the housing and adapted to circulate the air at the sides of the egg racks.

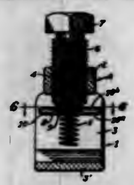
2,203,336
COMPUTING AND LISTING MACHINE
Walter W. Landsiedel, Norwood, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application March 13, 1936, Serial No. 68,694
12 Claims. (Cl. 235—60)



1. In a computing machine, the combination of a set of actuators, a register assembly comprising in each denomination two intermeshed register wheels, means for reversing said assembly to engage alternatively with said actuators one of said wheels for positive amounts and the other for negative amounts, transfer mechanism including a transfer tooth on each wheel and a transfer trip member in each denomination operable by the transfer tooth of that wheel which is in mesh with the actuator, and means for controlling certain elements of the machine for total-taking, including a stop set to arrest the transfer tooth of that wheel of each pair which is out of mesh with the actuator at the time.

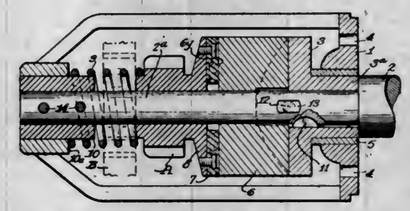
2,203,337
ELECTRICAL CONNECTOR
Frederick W. Mebold, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application March 27, 1939, Serial No. 264,364
4 Claims. (Cl. 24—243)

2. A connector comprising a body portion which includes a conductor-embracing portion and a boss portion, said boss portion having a screw-threaded opening formed therein, a screwthreaded clamping element supported in said screwthreaded opening with its inner end portion disposed within the conductor-embracing portion of said body portion, a seat attached to said inner end portion of said screwthreaded clamping element in such manner that said screwthreaded



clamping element may rotate relative to said seat, said inner end portion of said screwthreaded clamping element having an annular groove formed therein, said seat comprising a strip of spring metal, and portions formed on said seat which constitute bent portions of the strip of spring metal of which the seat is formed and which are extended into said annular groove.

2,203,338
STARTER FOR ENGINES
Rodman Odell, Chicago, Ill.
Application May 19, 1938, Serial No. 208,779
3 Claims. (Cl. 74—9)



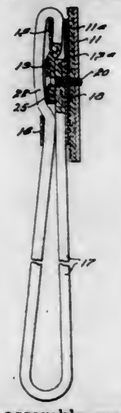
1. In an engine starter, the combination of a driving shaft, a driving cam fixed thereon, a driven cam loosely carried on the shaft and a pinion loose on the shaft adjacent said driven cam with means providing a drive connection between said last mentioned cam and the pinion, said driving cam having diametrically opposite high portions and intermediate low portions each disposed half-way between the high portions with oppositely inclined surfaces extending from each high portion to the low portions respectively, and the driven cam being of inter-fitting contour whereby rotation of the driving cam in either direction with respect to the driven cam operates to shift the driven cam and the pinion along the shaft, and stop means on the shaft limiting such shifting movement at a point at which the relative rotation of the cams is checked at an angle less than that required for registration of their high portions.

2,203,339
ABIETYL SULPHATE AND PROCESS FOR ITS MANUFACTURE
Howard Maurice Parmelee, Salem, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 11, 1937, Serial No. 141,929
13 Claims. (Cl. 260—100)

1. The process of making abietyl sulphate which comprises sulphating abietyl alcohol.

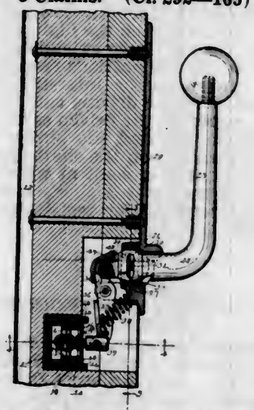
12. Sodium abietyl sulphate.

2,203,340
ASSIST CORD ASSEMBLY
Alvin W. Prance, Pleasant Ridge, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 17, 1938, Serial No. 214,366
10 Claims. (Cl. 105—354)



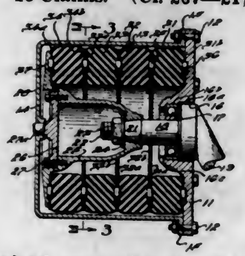
1. An assist cord assembly comprising an open ended, open faced retainer member; a one-piece flexible assist cord having its two ends overlapped and confined within the said retainer, an intermediate portion of the cord terminating at its upper end in one of said ends and being folded around the upper end of the retainer member and continuing downwardly to conceal the aforesaid confined ends of the assist cord, said intermediate portion terminating at its lower end in a depending loop; and fastening means for securing the said ends together, to the retainer member, and to a supporting surface.

2,203,341
LATCH
Gordon E. Roedding, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application January 7, 1939, Serial No. 249,683
5 Claims. (Cl. 292—165)



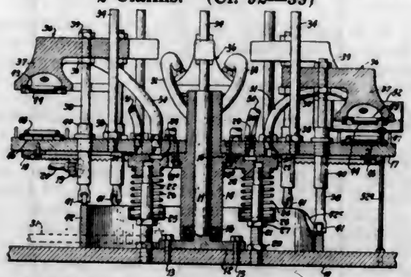
1. A means for operating a latch bolt, comprising: a ball socket having a diametrical fulcrum pin; an operating lever handle having a ball portion turnably bearing in the socket, said portion having an opening therethrough with parallel side walls and end walls diverging outwardly from said portion's center, in which opening the fulcrum pin bears; and a pivotally mounted unitary element operative intermediate the lever handle and the latch bolt turnable for retracting the latch bolt by the turning movement of the handle.

2,203,342
SPRING DEVICE
Cheri M. Sloman and Hans Hierta, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 30, 1937, Serial No. 166,500
Renewed April 22, 1940
15 Claims. (Cl. 267—21)



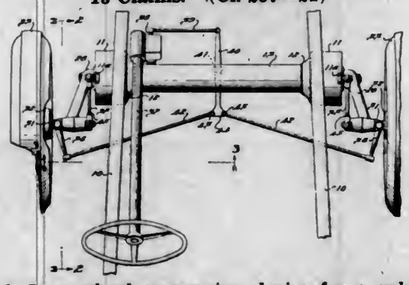
1. In a wheel suspension device for a vehicle having a frame, a drum secured to the frame, a swinging wheel carrying arm having a spindle extending into said drum and journalled therein, a spring device comprising a plurality of annular rubber members housed within the drum, one end of said device being fixed with relation to the drum and the other end being connected to the spindle, said rubber members having bonded metallic surfaces, the surfaces of adjacent members being juxtaposed, and coupling means connecting said juxtaposed surfaces together.

2,203,343
APPARATUS FOR PRODUCING MOLDED PULP ARTICLES
Carl Stack, Gary, Ind.
Application July 24, 1937, Serial No. 155,383
2 Claims. (Cl. 92—59)



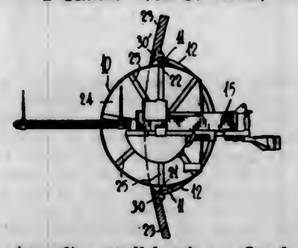
1. Apparatus for producing molded paper pulp articles, means providing a support, means providing a horizontal member rotatably mounted on said support, a plurality of compression dies rigidly mounted on the upper surface of said rotatable member, a plurality of forming dies arranged above said rotatable member, each of the last mentioned dies including a die carrying head and a lateral extension, a plurality of upright guide posts on said rotatable member, one for each forming die and each passing through the lateral extension thereof and having a sliding engagement therewith, an actuator rod fixed to each forming die and having a sliding bearing engagement through the rotatable member, said actuator rod supporting the forming die, anti-friction means on the lower end of the actuator rod, and an incomplete cam mounted on the support beneath the rotatable member and adapted to be traversed by the anti-friction means on the lower end of the actuator rod, whereby the forming die is adapted to fall by gravity into engagement with the compression die to compress the article therein.

2,203,344
WHEEL SUSPENSION
John Tjaarda, Birmingham, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 12, 1938, Serial No. 195,473
13 Claims. (Cl. 267—21)



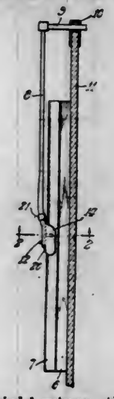
1. In a wheel suspension device for a vehicle having a frame, a drum secured to the frame, a swinging wheel carrying arm having a spindle extending into said drum and journalled therein adjacent the inner end of the drum, a spring device comprising a plurality of annular rubber members housed within the drum and connected together at their adjacent faces, the inner end of said spring device being fixed with relation to the spindle and the outer end fixed with relation to the drum, said rubber members having their more remote sides converging toward the spindle and their adjacent connected faces substantially parallel, and means for detachably connecting said arm to the outer end of the spindle and for maintaining said rubber members under compression.

2,203,345
GUN TURRET
Michael Watter, Baltimore, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application April 27, 1938, Serial No. 204,558
1 Claim. (Cl. 89—37.5)



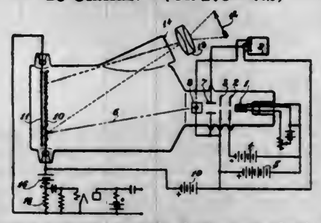
In an aircraft, a wall having a fixed section of transparent material provided with an opening therein, pivots at said wall on opposite sides of said opening, a member mounted to turn about said pivots, a gun-carrying device pivoted on said member to turn about an axis coplanar with and substantially perpendicular to the axis of said first pivots, and a transparent turret member forming more than half a sphere rigid with said gun-carrying device, said turret member being adapted and arranged to prevent the passage of air therethrough when a gun is mounted therein.

2,203,346
WINDSHIELD WIPER
John W. Anderson, Gary, Ind., assignor to Productive Inventions, Inc., Gary, Ind., a corporation of Indiana
Application February 12, 1934, Serial No. 710,817
12 Claims. (Cl. 15—250)



1. In a windshield wiper, the combination with a wiper blade having an aperture formed therein, of means for connecting said blade to a wiper arm, said means comprising an elongated connector, a laterally extending flexible strip integral with said connector adapted to be positioned loosely in the aperture of the wiper blade for securing the connector thereto, and transversely extending means integral with said connector adjacent the opposite ends thereof and engageable with different portions of a wiper arm for securing the connector to the arm.

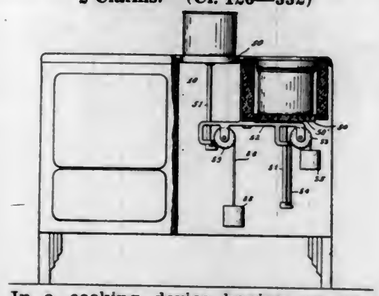
2,203,347
ELECTRO-OPTICAL METHOD AND APPARATUS
John C. Batchelor, New York, N. Y.
Application February 15, 1935, Serial No. 6,693
13 Claims. (Cl. 178—7.2)



3. In the art of electrical view analysis by pure space electron interaction, the method which comprises producing a plurality of discrete space currents of photoelectrons corresponding respectively to the elementary areas of an image of the view being analyzed, causing said space currents to coexist at a fixed space plane, generating an electron beam of relatively high velocity, traversing directly said space currents at said fixed space plane by said high velocity electron beam,

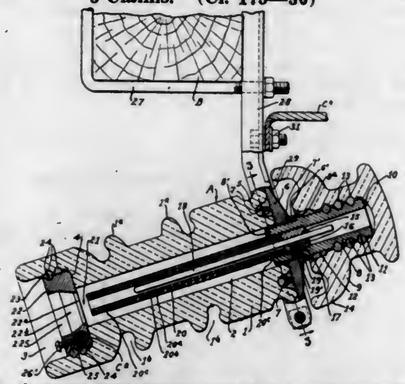
and causing said space currents to restrain the passage of said electron beam through said space plane.

2,203,348
STOVE
John E. Chambers, Shelbyville, Ind.
Application August 23, 1937, Serial No. 160,411
2 Claims. (Cl. 126—332)



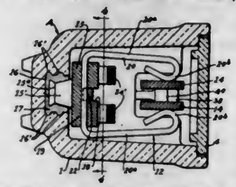
1. In a cooking device having an upwardly opening well with insulated side walls, a heating element within said well, a utensil-support above said heating element, provisions guiding said utensil-support for vertical movement, mechanism acting on said support and tending to move it upwardly, a closure, and releasable means for holding said closure in position in the upper end of said well.

2,203,349
SURGE ARRESTER
Charles Adin Fox, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application January 21, 1938, Serial No. 186,059
3 Claims. (Cl. 175—30)



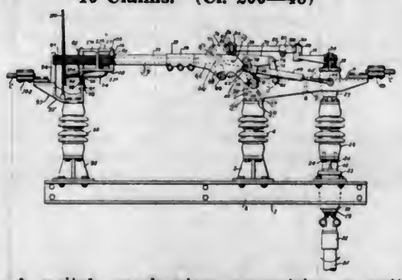
1. A surge arrester comprising a unit including an elongated insulating housing open at an end thereof, an electrode located within said housing, and a head fixed to said housing and forming a permanent part thereof, and a second unit removably associated with the first-mentioned unit, said second unit including a member which removably engages said head, a second electrode supported by said member and extended longitudinally within said housing with an end of said second electrode being spaced from the first-mentioned electrode to provide a gap which is located entirely within said housing, and a tubular element formed of gas-evolving material which is supported by said member and embraces said second electrode and extends beyond the end of said second electrode which is spaced from the first-mentioned electrode to provide said gap, a part of said gap between said first-mentioned electrode and said second electrode being located within the portion of the tubular element which extends beyond the end of the second electrode and another portion of said gap being in the form of an air gap.

2,203,350
ELECTRICAL SWITCH
Olav Froland, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application August 19, 1937, Serial No. 159,889
5 Claims. (Cl. 200—162)



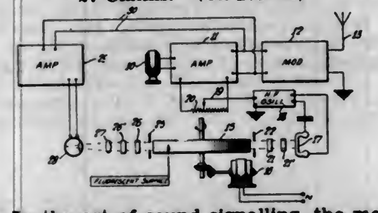
1. An electrical switch provided with a contact which includes a supporting element having a transversely extended opening formed therein and open at opposite edges of said supporting element and provided with a groove which extends at an approximate right angle to said opening and opens into said opening, a switch element supported in said opening and extended transversely of and within said groove, and a weld formed in said groove for securing said switch element in said opening and to said supporting element.

2,203,351
ELECTRICAL SWITCH
Olav Froland, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application November 27, 1939, Serial No. 306,213
10 Claims. (Cl. 200—48)



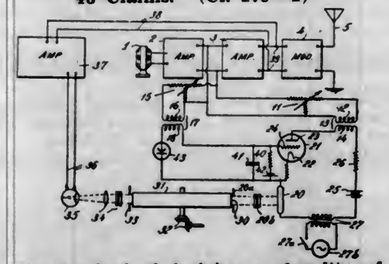
1. A switch mechanism comprising a switch arm supported for swinging movement into and out of closed switch position, a stationary support by which said switch arm is movably supported, a stationary contact, a contact assembly supported by said switch arm and adapted for movement independently of said switch arm into and out of electrical contact with said stationary contact, and means for swinging said switch arm into and out of closed switch position and for moving said contact assembly into and out of electrical contact with said stationary contact, said means comprising a member supported for pivotal movement by said support, a link pivoted to said switch arm and to said member, an elongated operating element pivoted to said link and associated with said contact assembly for moving said contact assembly, and operating means for subjecting said member to pivotal movement.

2,203,352
METHOD AND APPARATUS FOR PRODUCING ECHO EFFECTS
Peter C. Goldmark, New York, N. Y., assignor to Markia Corporation, New York, N. Y., a corporation of New York
Application December 18, 1936, Serial No. 116,601
27 Claims. (Cl. 179—1)



1. In the art of sound signalling, the method, of producing signals having an echo quality which comprises producing a first signal corresponding to a sound signal, making a fugitive record of said first signal which persists for a substantial period, deriving non-contactually a second signal from said record at a desired instant after said recording, and within said period, and mixing said second signal with said first signal to form a composite signal having an echo quality.

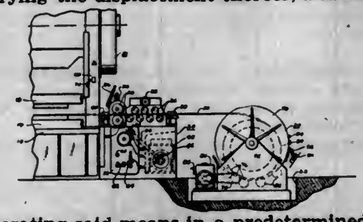
2,203,353
METHOD AND APPARATUS FOR SIGNAL TRANSLATION
Peter C. Goldmark, New York, N. Y.
Application June 30, 1938, Serial No. 216,735
43 Claims. (Cl. 179—1)



1. The method of deriving a plurality of secondary signals from a primary signal which comprises, producing a record of the primary signal which persists for a substantial period and gradually decays during said period, and deriving a plurality of secondary signals from said record by successively traversing said record a plurality of times during the period in which the record of the primary signal persists.

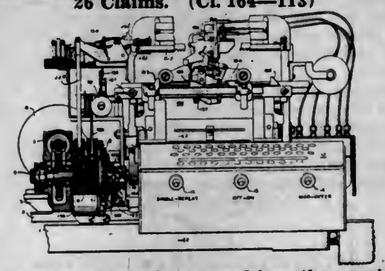
2,203,354
POWER TRANSMISSION
Ferris T. Harrington, L Raymond Twyman, and James Robinson, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application October 12, 1937, Serial No. 168,618
5 Claims. (Cl. 242—55)

5. In a device for feeding strip material in intermittent steps the combination of a pair of pinch rolls, a hydraulic transmission including a pump and a motor, one of which includes means for varying the displacement thereof, and means



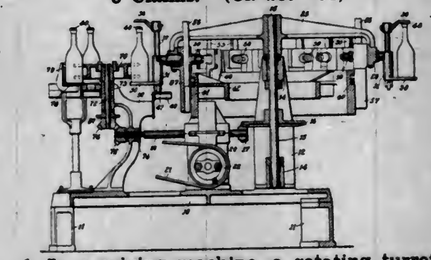
for operating said means in a predetermined cycle for producing a precisely controlled acceleration and deceleration of the material to feed a controlled amount thereof through the pinch rolls.

2,203,355
STATISTICAL CARD PUNCH
Walter F. Kelley, Whitestone, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application July 23, 1938, Serial No. 220,863
26 Claims. (Cl. 164—113)



1. In a card punching machine, the combination of a card punching mechanism, a series of keys to control said mechanism, means for locking the unactuated keys in their normal position when one key has been actuated; said means comprising a pair of contacts in series with a source of electric current and an electromagnet, and an armature released by said electromagnet when said contacts are broken, the said armature when in its released position being adapted to block all said keys.

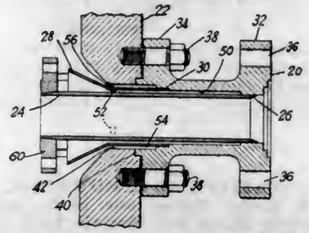
2,203,356
MIXING MACHINE
Carl W. Kendall, Moorestown, N. J.
Application August 19, 1938, Serial No. 225,660
8 Claims. (Cl. 259—54)



1. In a mixing machine, a rotating turret, a plurality of bottle carriers disposed about the periphery thereof and mounted for rotation about a horizontal axis, a pinion associated with each

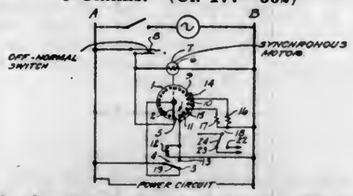
carrier, a rack engaging each pinion, and a stationary cam track cooperating with said rack to cause vertical movement thereof adapted to rotate said bottle carrier as the turret is advanced.

2,203,357
PRESSURE VESSEL CONNECTION
Howard J. Kerr, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application October 8, 1938, Serial No. 233,916
7 Claims. (Cl. 122—365)



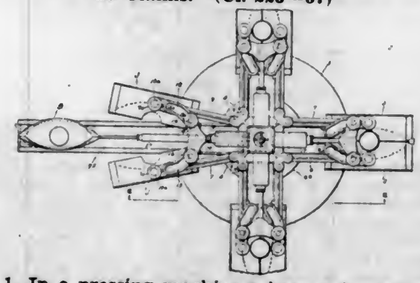
3. In a vapor generator, a thick walled pressure vessel for a fluid at high pressure and high temperature, a conduit in communication with the vessel for the flow of a lower temperature fluid into the vessel, a plurality of annular fluid chambers within the conduit and in communication with the fluid space of the vessel, said chambers extending along the conduit to positions remote from the vessel wall with one chamber so extending further along the conduit than the other, and ferrule means separating the chambers and cooperating with the interior surface of the conduit to form the chambers.

2,203,358
SELECTIVE REMOTE CONTROL
Werner Koenig, Lucerne, Switzerland, assignor to Landis & Gyr, A-G., Zug, Switzerland, a corporation of Switzerland
Application December 21, 1937, Serial No. 180,953
In Switzerland December 24, 1936
3 Claims. (Cl. 177—352)



1. A circuit selector associated with a normally closed power supply network and responsive to the period of time elapsing between two successive momentary interruptions of the network, comprising a constant speed electric motor to be energized from the network, a plurality of contacts, a wiper driven by said motor and passing successively over said contacts, a relay, connections whereby the relay is energized from the network when the network is closed, connections from the network to the motor for initially energizing the motor and moving the wiper from initial position, said connections including the wiper, one of the selector contacts in said initial position and a back contact of the relay, means for connecting the motor to the network independent of the first named motor connections when the wiper moves from the initial position and for maintaining said independent connection until the wiper returns to initial position, means for delaying the opening of the motor connections through the back contact of the relay due to the reclosure of the network to allow the motor to meanwhile move the wiper from its initial position, and selective circuits including the back contact of the relay, the wiper and respective other of said contacts whereby the second momentary opening of the network will accomplish selection.

2,203,359
GARMENT PRESS
George F. McDougall, Portland, Oreg., assignor to Oregon Textile Machines, Inc., Portland, Oreg., a corporation of Oregon
Application June 3, 1939, Serial No. 277,129
20 Claims. (Cl. 223—57)



1. In a pressing machine a base, a turret revoluble on said base and a plurality of pressing machines in spaced radial position around said turret, each pressing machine being comprised of a pair of vertical pressing jaws, swingable arm mountings for said jaws that are supported by the turret, a buck adapted to register between the jaws and expansible motor operated devices that are effective to move the jaws into and out of pressing relationship to the buck.

2,203,360
TREATMENT OF WOOD HYDROLYSATE SOLUTIONS
Alexander M. Partansky, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 10, 1938, Serial No. 234,325
2 Claims. (Cl. 195—103)

1. A method for treating acid wood hydrolysate solutions to remove materials tending to inhibit the normal fermentation thereof comprising the steps of adding sufficient lime to the hydrolysate to adjust the pH thereof to between 9 and 10, ageing the alkaline solution at temperatures between 20° and 40° C. for from 24 to 48 hours, while intermittently adding further amounts of lime as required to readjust the pH between the stated limits, separating precipitated solids, and neutralizing the treated liquor.

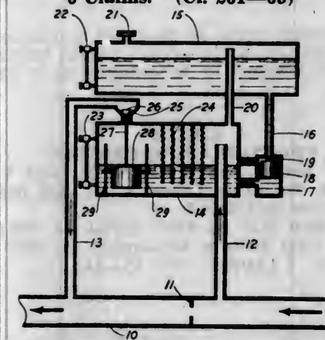
2,203,361
FOUNTAIN BRUSH
Thelma F. E. Pound, Ellensburg, Wash.
Application May 23, 1939, Serial No. 275,280
1 Claim. (Cl. 219—21)

A brush of the character described comprising a back having a chamber therein, bristles mounted on said back, said back further having ports therein communicating with the chamber, a reservoir, for the reception of a fluid, mounted on the back, said reservoir communicating with the chamber, a manually opened valve controlling the communication between the reservoir and the chamber, an electric plug closing one end of



the reservoir, an electric heating element mounted on said plug and extending into the reservoir for heating the fluid therein, and a housing enclosing said element in the reservoir.

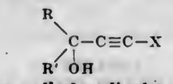
2,203,362
EVAPORATIVE ODORIZER FOR GAS
Joseph F. Putnam, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application August 20, 1938, Serial No. 225,950
6 Claims. (Cl. 261—65)



1. An evaporative odorizer comprising a closed chamber adapted to contain a liquid odorant, conduit means for passing a stream of gas into and through said chamber, and means including a valve means above the level of said liquid odorant responsive to the density of said odorant liquid for controlling the flow of gas through said conduit means said density-responsive means being located without the path of gas passing through said chamber.

2,203,363
HIGH MOLECULAR WEIGHT SUBSTITUTED ETHINYL CARBINOLS
Anderson W. Ralston, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 23, 1938, Serial No. 209,605
5 Claims. (Cl. 260—632)

1. Acetylenic compounds containing the grouping

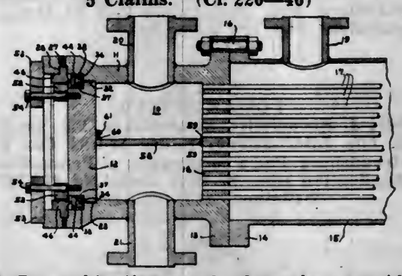


wherein R is an alkyl radical containing at least ten carbon atoms, R′ is a radical chosen from the group consisting of alkyl radicals containing at least ten carbon atoms and aryl radicals, and X is a radical chosen from the group consisting of hydrogen, an alkyl radical and the radical



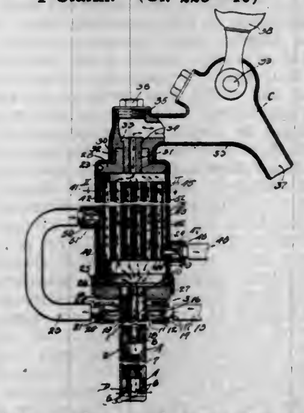
wherein R and R′ are radicals defined as aforesaid.

2,203,364
SEALING MEANS FOR HIGH PRESSURE HEADS
John P. Rathbun, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 15, 1938, Serial No. 245,852
5 Claims. (Cl. 220—46)



1. In combination, a pair of members providing a pressure space and having a joint therebetween, said members having sealing surfaces at the side thereof remote from the pressure space, gaskets fitting said surfaces, a flexible metallic member engaging the gaskets and straddling the joint, and means including equalizing mechanism for exerting pressures on the gasket contacting portions of the straddling member.

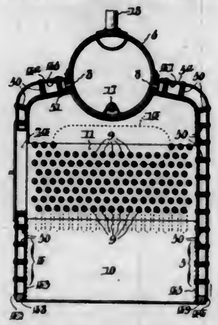
2,203,365
BEER COOLING DEVICE
Frank E. Rice, Detroit, Mich.
Application October 1, 1938, Serial No. 232,732
1 Claim. (Cl. 225—40)



In a beer cooling and dispensing apparatus having an insulated fluid jacketed draught tube and an insulated faucet, the improvement of a cooler which comprises an insulated shell closed at its ends by heads, a lower head being adapted for removable connection to said draught tube and arranged to afford beer flow from the tube into the shell, the upper head being provided with a hollow nipple for threaded connection to said faucet in a manner to afford beer flow from the shell to said faucet, axially spaced apertured headers within said shell, pipes extending axially of said shell with their extremities entered in the header apertures, the apertures in said headers being so arranged as to laterally space said pipes one from another, the construction being such as to provide a water jacket about said pipes,

a pipe having closed ends supported in said headers and having an overflow inlet near its upper end and an outlet near its lower end, a water inlet tube arranged to provide a water duct between said draught tube adjacent said lower shell head and said water jacket for water flow, a water outlet tube communicating with the outlet of said closed ended pipe, flanged means at the lower end of said cooler shell, and a ring nut in hooked engagement with said flange and in threaded engagement with the lower head.

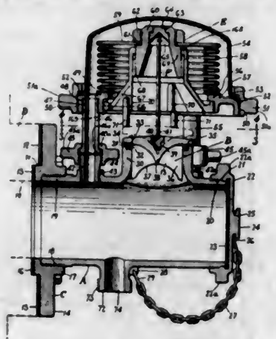
2,203,366
POWER BOILER
Robert J. Rockefeller, Stroudsburg, Pa., assignor to The International Boiler Works Co., East Stroudsburg, Pa., a corporation of Pennsylvania
Application June 25, 1938, Serial No. 215,787
2 Claims. (Cl. 122—294)



1. A sheet metal power boiler comprising a combustion chamber with jacketed end and side walls which are in full communication throughout their heights and transverse widths, and a horizontal cylindric steam drum which rests in central conformative recesses in the tops of the end walls and which has openings for communication respectively into the hollows of the end walls, equal in areas to the extents of mutual abutment, said end walls being formed by spaced pairs of head sheets whereof the inner ones have inwardly-directed flanges along their vertical edges and continuing inwardly-directed flanges across their tops for conformative abutment with the bottom of the steam drum, and whereof the outer ones have inwardly directed flanges along their vertical edges and outwardly-directed flanges at their tops for conformative abutment with the bottom of the steam drum, and said side walls being formed by spaced inner and outer sheets whereof the inner ones have outwardly-turned box flanges along their tops for abutment against opposite sides of the steam drum and for overlap by the top edges of the outer side wall sheets, said inner and outer side wall sheets having their vertical end edges respectively overlapping the corresponding inwardly directed vertical edge flanges on the inner and outer head sheets of the end walls.

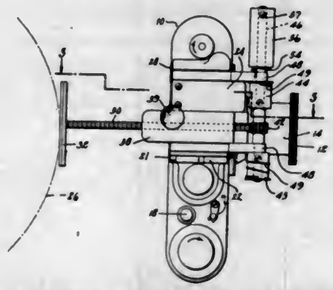
2,203,367
VALVE DEVICE
Herman Schorer, Valhalla, N. Y., assignor to Borsari Tank Corporation of America, New York, N. Y., a corporation of Delaware
Application November 25, 1938, Serial No. 242,191
16 Claims. (Cl. 137—53)

12. In a relief valve construction, a valve seat and a valve normally in closed position, and means holding said valve in closed position subject to being ruptured at a predetermined pressure including a long slender steel rod, the ends



of the column being so mounted and devoid of rigid connection as to permit lateral bulging of the entire column in accordance with Euler's formula.

2,203,368
PHOTOGRAPHIC CAMERA
Elmer H. Settel, New York, N. Y., and Vitalis Himmer, Mountain Lakes, N. J.; said Himmer assignor to said Settel
Application May 20, 1938, Serial No. 208,950
In Great Britain September 18, 1937
7 Claims. (Cl. 95—44)

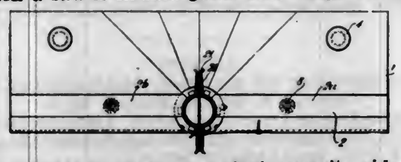


1. In a camera, the combination of a focusing lens, a coupled range finder, a rearwardly projecting member, carried by and movable relative to the camera and engageable with a portion of the user's body as he views the subject through the range finder, a spring opposing such movement of the member and means connecting the member with the lens for focusing movement of the lens and range finder by relative movement of the member.

2,203,369
MITER BOX
John A. Sperry, Tallmadge, Ohio, assignor to The Baker-McMillen Company, Akron, Ohio, a corporation of Ohio
Application August 27, 1938, Serial No. 227,161
4 Claims. (Cl. 143—89)

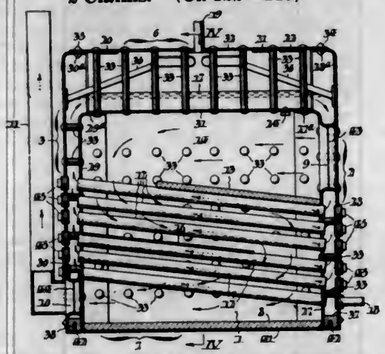
1. A miter box comprising a base, a slotted, tubular, spring metal saw guide adjustably mounted in said base, spring metal wings on the saw guide at either side of the slot, said wings converging to a point substantially of single line contact at their outer ends when a saw is out

of said guide, the arrangement being such that when a saw is in said guide said wings will bear



with yielding pressure against opposite sides of said saw at points spaced from the cutting edge.

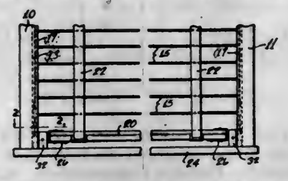
2,203,370
POWER BOILER
Ernest H. Taylor, Stroudsburg, Pa., assignor to The International Boiler Works Co., East Stroudsburg, Pa., a corporation of Pennsylvania
Application June 25, 1938, Serial No. 215,788
2 Claims. (Cl. 122—140)



1. A power boiler having a combustion chamber formed by a horizontal top wall, vertical side walls and vertical front and rear end walls; a continuous water jacket extending over said top and down said vertical front and rear end walls; a longitudinal diaphragm at an intermediate level forming the bottom of a firing chamber within the combustion chamber at the top, said diaphragm sloping upward slightly from the front end wall and terminating short of the rear wall, with provision of a connecting passage between the upper and lower subdivisions of the combustion chamber by the diaphragm; a second diaphragm below the first in parallel relation thereto but extending from the rear end wall and terminating short of the front end wall; a multiplicity of water tubes connecting the hollows of the opposite end walls, said tubes being inclined in parallel relation to the diaphragms and disposed, some above and others below the lower diaphragm; a firing opening in the front end wall above the upper diaphragm; and a flue opening in the rear end wall beneath the lower diaphragm.

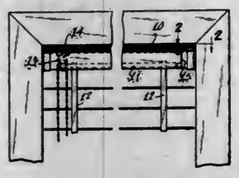
2,203,371
VENETIAN BLIND OF GUIDED TYPE
Earl M. Trammell, St. Louis, Mo., assignor to Huttig Sash & Door Company, St. Louis, Mo., a corporation of Delaware
Application December 16, 1938, Serial No. 246,023
10 Claims. (Cl. 156—17)

1. In a Venetian blind of guided type, means forming a vertical guide recess laterally of the blind, a lift bar arranged for tilting and lifting actuation, lifting means associated with the lift bar, a combined guiding and locking element operable in the recess, a carrier for the guide element, and means forming a pivotal connection between the lift bar and the guide element, the



locking element having a toothed portion of a trend to prevent upward movement of the lift bar when such portion engages a wall of the guide recess.

2,203,372
HEADRAIL ASSEMBLY FOR VENETIAN BLINDS
Earl M. Trammell, St. Louis, Mo., assignor to Huttig Sash & Door Co., St. Louis, Mo., a corporation of Delaware
Application January 21, 1939, Serial No. 252,064
10 Claims. (Cl. 156—17)



1. An end bracket for a headrail and valance assembly, including means forming spaced seats for the headrail and valance, a closure member for the forward portion of the bracket, the closure member having a face portion normally abutting the face of the valance, and an offset portion engaging a face of the headrail, said portions coacting with said seats to provide for mounting the headrail in forwardly overhanging relation to the valance with the valance in edge-to-face relation to the headrail and a pivot for the closure member by which it is adapted to be swung forwardly and downwardly of the mounted headrail and valance assembly.

2,203,373
METHOD OF DEODORIZING OILS
Henry Johnson Ullmann, Santa Barbara, Calif.
No Drawing. Application December 24, 1938, Serial No. 247,655
8 Claims. (Cl. 260—422)

5. The method of deodorizing non-drying animal and vegetable oils, fats, and waxes which comprises subjecting them to the action of X-rays.

2,203,374
PROCESS FOR THE STABILIZATION OF METAL ORGANIC COMPOUNDS
Johannes Andreas van Melsen, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 14, 1938, Serial No. 240,337. In the Netherlands December 6, 1937
12 Claims. (Cl. 44—9)

1. The process of stabilizing a compound selected from the class consisting of copper and ferrous compounds of oxy and of amino methyl-

ene ketones comprising adding to said compound an aromatic amine

$$HN{<}^{R_1}_{R_2}$$

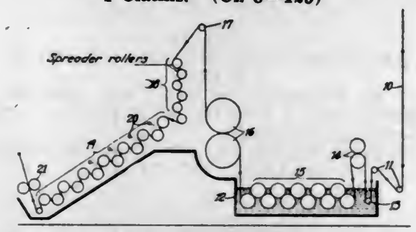
in which R_1 is phenyl and R_2 is a radical selected from the group consisting of hydrogen and phenyl.

2,203,375

PROCESS FOR MERCERIZING FABRIC

Ernst Weiss, Bunt, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

Application May 24, 1939, Serial No. 275,478
In Germany October 15, 1937
4 Claims. (Cl. 8—125)



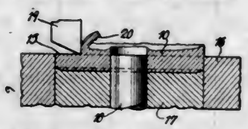
1. Process of finishing a fabric containing vegetable fiber to obtain a good mercerization sheen and improved stability against shrinkage by subsequent washings, which comprises quickly effecting a thoroughly penetrating impregnation of the fiber with a caustic mercerization solution, such thorough penetration being effected before substantial swelling of the fiber takes place so as to enable subsequent thorough and homogeneous swelling, then continuing the action of the caustic under conditions permitting the fiber to substantially homogeneously and thoroughly swell to substantially the maximum extent the fibers during the swelling being allowed to shrink mainly in a direction of the yarn which is to principally impart the sheen, then "overstretching" the fabric while in such substantially maximum swelled condition to a point beyond the corresponding original dimension of the fabric but not exceeding 8% beyond said original dimension, by tensioning the fabric preponderantly in said direction, and thereafter removing the caustic solution from the fabric while maintaining substantially its dimensions resulting from said overstretching.

2,203,376

BLANK FOR FORMING COLLAPSIBLE TUBES

Paul Witte, New Milford, N. J., assignor to White Metal Manufacturing Company, Hoboken, N. J., a corporation of New Jersey

Original application March 16, 1938, Serial No. 196,163, now Patent No. 2,172,745, dated September 12, 1939. Divided and this application June 30, 1939, Serial No. 282,052
2 Claims. (Cl. 29—148)



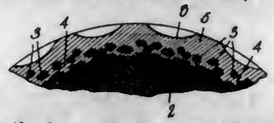
1. A circular collapsible tube blank of soft, highly ductile metal, having parallel flat faces and a central opening, one of said flat faces being machined to a sharp edge at the periphery and at the opening, and the peripheral edge of the opposite face being rounded.

2,203,377

METHOD OF MAKING GOLF BALLS

Leonard A. Young, Detroit, Mich.

Original application February 1, 1937, Serial No. 123,421. Divided and this application August 16, 1937, Serial No. 159,246
2 Claims. (Cl. 154—19)



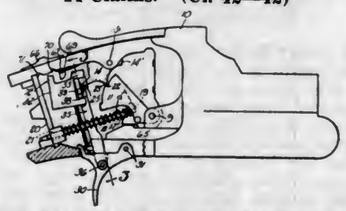
1. A method of forming a ball comprising winding a core with rubber strands to form a body, directly winding on the rubber strands of said body non-elastic fibrous strands in substantially spaced relation to one another to provide space for cover material around and between said fibrous strands, and covering said body with material under heat and pressure sufficient to cause a substantial part of said fibrous strands to be completely and individually embedded in said material whereby the cover is locked to the body.

2,203,378

FIREARM

Val A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah

Application June 25, 1936, Serial No. 87,153
14 Claims. (Cl. 42—42)



2. In combination, hammers, sears respectively associated therewith, a trigger, and a connector pivoted to said trigger and having a forward sear-actuating-surface, a rear sear-actuating-surface and an upwardly extending front face arising from said first mentioned surface, said surfaces being arranged to respectively engage the sears upon successive intentional pulls of the trigger and said face being arranged to engage the rear end of the sear with which said front surface is associated during recoil of the gun upon firing thereof, said connector being weighted so as to lag behind the forward rebound of the gun and maintain the connector out of operative relation to the sears during such period.

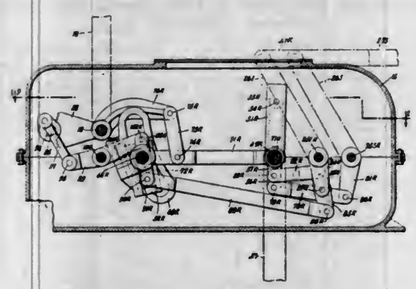
5. In combination, hammers, sears respectively associated therewith, a trigger, a connector through which said sears are successively operated upon successive intentional pulls of the trigger, and cooperative engaging means between said connector and sears whereby said connector is maintained by one sear against operative movement with relation to the other sear after the first barrel is fired and during recoil of the gun, said connector being mounted for selective positioning relative to the sears whereby the sears may be operated in selective order, inertia means associated with said connector and maintaining the same out of operative relation to said sears during the rebound of the gun, and means for selectively positioning said connector.

2,203,379

ADJUSTABLE VALVE GEAR FOR STEAM ENGINES

Robert Reeves Bush, Lima, Ohio, assignor to Lima Locomotive Works, Incorporated, Lima, Ohio, a corporation of Virginia

Application July 13, 1938, Serial No. 219,070
22 Claims. (Cl. 121—116)



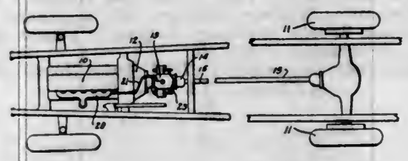
1. In locomotive valve gear, a primary combining lever actuated by a plurality of locomotive parts moving in different phase relation, a secondary combining lever receiving as a component of its motion the combined motion of said primary combining lever, a connection to said secondary combining lever from one of the parts which actuated the primary combining lever, to supply another component of the motion of said secondary lever, and valve actuating connections coupled to each of said levers to take separate motions therefrom.

2,203,380

POWER OPERATED AUTOMOTIVE GEAR SHIFTER

Philip M. Carter, White Plains, N. Y., Douglas F. Linsley, Norwalk, Conn., and Louis A. Larsen, Brooklyn, N. Y., assignors to Vaco Products, Inc., a corporation of Delaware

Application December 31, 1935, Serial No. 56,848
7 Claims. (Cl. 192—3.5)



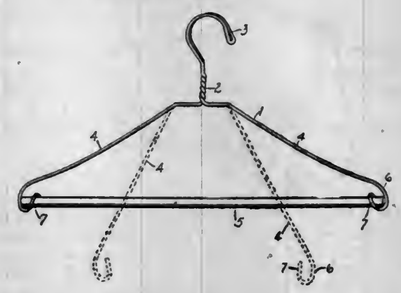
1. In a fluid pressure operated gear shifter, the combination of a clutch actuating member, a master valve operated thereby, a fluid pressure operated gear shifting member, a selector, said selector and master valve controlling the application of vacuum to the gear shifting member, means for moving the selector to several positions, a controller actuated in accordance with vehicle speed and means for controlling the operation of the selector moving means by the conjoint action of the clutch actuating member, gear shifting member and controller.

2,203,381

GARMENT HANGER

James D. Coney, Detroit, Mich., assignor to Star-Service Hanger Company, Detroit, Mich., a corporation of Michigan

Substituted for abandoned application Serial No. 135,744, April 8, 1937. This application May 15, 1939, Serial No. 273,625
20 Claims. (Cl. 223—88)



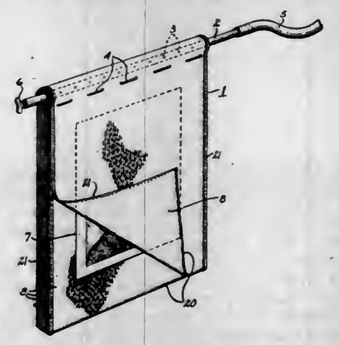
1. In a garment hanger, a yoke comprising a pair of downwardly diverging arms connected at one end to a shank, said arms at thir free ends being bent downwardly, inwardly and upwardly, and terminating in obliquely disposed eyes, and an elongated cylindrical strut extending between the free ends and receivable in and frictionally engageable with said eyes, whereby the strut is supported, said strut at its outer ends longitudinally abutting said arms to prevent shifting of the strut outwardly, said strut flexing said eyes when inserted therein whereby the spring binding effect thereof is increased.

2,203,382

WASHING DEVICE FOR PHOTOGRAPHS AND THE LIKE

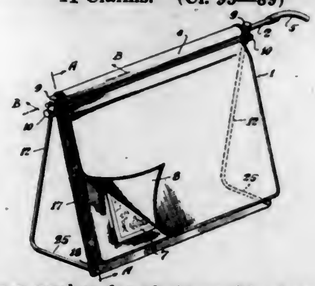
Lincoln K. Davis, Brockton, Mass.

Application August 19, 1938, Serial No. 225,710
9 Claims. (Cl. 95—89)



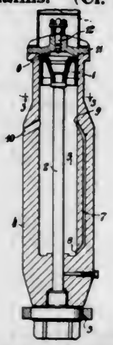
1. A treating device for photographic sheets and the like, comprising a pile of leaves, a binding for said leaves to form a book, a supply pipe incorporated in said binding for supplying liquid to said leaves, the photographic sheets or the like being placed between said leaves in direct contact therewith, said leaves conducting liquid, parallel to the planes thereof, by capillary action into intimate contact with all parts of the photographic sheets and the like.

2,203,383
WASHING DEVICE FOR PHOTOGRAPHS AND THE LIKE
Lincoln K. Davis, Brockton, Mass.
Application July 19, 1939, Serial No. 285,329
11 Claims. (Cl. 95—89)



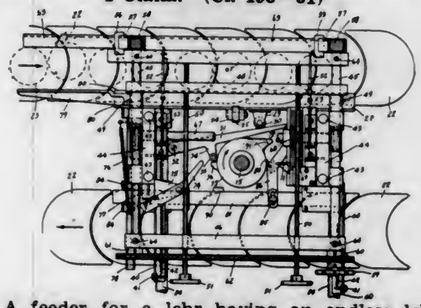
1. In a washer for photographic sheets, a book comprising a pile of leaves of bibulous fabric and a removable binding to hold said leaves together along one edge, the leaves being flexible and separable to permit insertion and removal of photographic sheets without removing said binding, a liquid-supplying device associated with said binding, and said leaves being disassemblable from said binding and from each other.

2,203,384
PERCUSSION OR REPERCUSSION APPARATUS
Frank Leslie Douglas, Bournemouth, England
Application April 12, 1938, Serial No. 201,505
In Great Britain April 16, 1937
4 Claims. (Cl. 123—7)



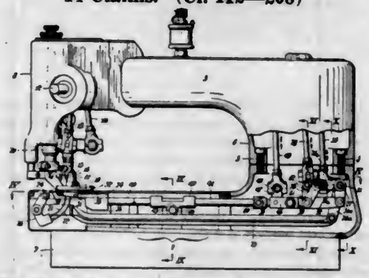
1. A Diesel power hammer comprising a reciprocating cylinder constituting an impact member, a piston dividing said cylinder into a combustion chamber located toward one end of said cylinder, and a compression chamber located toward the other end thereof, a piston rod fixed to said piston and extending through the compression chamber end of said cylinder, and a foot member fixed to the outer end of said piston rod and adapted to receive the impact from said cylinder and transmit it to a driven member, said cylinder having a port affording communication between the interior of said combustion chamber and air outside the cylinder, and the device also having a duct affording communication between said chambers, the said duct and port being controlled by the relative movement of the said cylinder and piston, and the said duct being closed by the piston during part of the combustion stroke of the device whereby to permit compression of gas in said compression chamber during said part of the combustion stroke and being uncovered by said piston during a later part of said combustion stroke whereby to permit the compressed gases in the compression chamber to pass into the combustion chamber to assist in scavenging the latter chamber and to form a substantial part of a new combustion charge.

2,203,385
LEHR FEEDER
Jesse E. Figel, Indianapolis, Ind., assignor to Fairmount Glass Works, Incorporated, Indianapolis, Ind., a corporation
Application December 3, 1938, Serial No. 243,708
1 Claim. (Cl. 198—31)



A feeder for a lehr having an endless lehr conveyor passing therethrough including a stationary frame structure, an endless conveyor traveling in a direction transverse to that of said lehr conveyor, a reciprocable pusher carried by said frame structure and adapted when reciprocated to move articles from said second mentioned conveyor to said first mentioned conveyor, said pusher having a pivotally mounted portion adjacent the end from which articles are received on said second endless conveyor, and power means for operating said second mentioned conveyor and said pusher in timed relation and for elevating said pivotally mounted portion during the return movement thereof to clear incoming articles on said conveyor, the movement of said conveyor during the forward and return movement of said pusher being no greater than the length of said pivotally mounted portion of said pusher.

2,203,386
FEED MECHANISM FOR SEWING MACHINES
Hans Hacklander, Tinley Park, and Harold J. Le Vesconte, Western Springs, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application September 19, 1936, Serial No. 101,589
14 Claims. (Cl. 112—208)



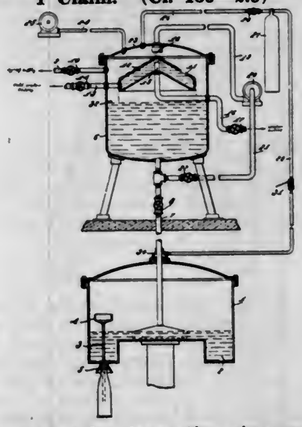
1. Feed mechanism for sewing machines, including a pair of parallel feed bars respectively carrying main and auxiliary feed dogs, a supporting rocker common to the two feed bars swingable about a transverse pivot and confining them for independent longitudinal sliding movement in a common horizontal flame, means to oscillate the rocker for impartation of up and down movements to the feed dogs, and means for concurrently inducing differential longitudinal movements in the feed bars.

2,203,387
METHOD OF ASSEMBLING RUBBER FILAMENTS INTO THREAD
Robert Gilbert James, Wylde Green, Birmingham, England, assignor to Dunlop Rubber Company, Limited, London, England, a British company
Application July 19, 1938, Serial No. 219,956
In Great Britain September 9, 1937
16 Claims. (Cl. 18—54)



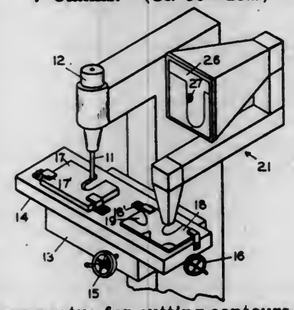
5. A method of forming a rubber thread structure of limited extensibility which comprises forming rubber filaments from an aqueous dispersion of rubber composition and drawing a plurality of said filaments into a hollow assembly about a central core of non-stretchable filament in helical form.

2,203,388
APPARATUS FOR DEAERATING SIRUP
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application March 2, 1938, Serial No. 193,419
1 Claim. (Cl. 183—2.5)



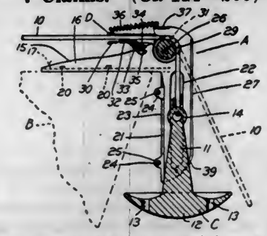
An apparatus for deaerating sirup comprising in combination a tank adapted to contain the sirup, a hollow filming plate, arranged in said tank near the top thereof, means for circulating a cooling medium through said hollow plate, a circulating pump having its intake side connected to the bottom of the tank and its delivery side connected to the top of said tank above said filming plate and adapted to deliver the sirup over said plate into said tank, means for creating a sub-atmospheric pressure in said tank during the circulation of the sirup through said tank for removing the air from said sirup and means for admitting CO_2 to the top of said tank for breaking said sub-atmospheric pressure when it is desired to withdraw the contents of the tank therefrom.

2,203,389
APPARATUS FOR CUTTING CONTOURS
Henry F. Kurtz, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application November 13, 1939, Serial No. 303,958
7 Claims. (Cl. 90—13.2)



1. An apparatus for cutting contours on a work piece comprising a support, a tool carried by said support, means for operating said tool, a projection screen carried by said support, means on the projection screen for indicating the effective size and shape of said tool at a predetermined magnification, a cross slide table adjustably mounted on said support, means on said cross slide table for supporting the work piece to be cut, a template formed to the contour to be cut, means for supporting said template on said table in spaced relation to said work piece, a projection system for forming an image of said template on said screen at said predetermined magnification and means for supporting said projection system and said tool in fixed relation to each other and to said support, the optical axis of the projection system bearing the same geometric relation to the template that the axis of the tool bears to the work piece.

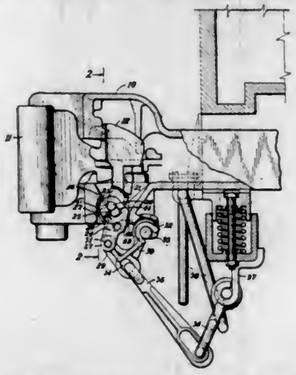
2,203,390
ANCHOR HOLDER
George Earl Maxwell, White Bear Lake, Minn.
Application May 6, 1939, Serial No. 272,244
7 Claims. (Cl. 114—206)



1. An anchor holder comprising a bracket by means of which the holder may be supported, a tubular member extending in substantially vertical relationship thereto and secured to said bracket, means at the top of said tubular mem-

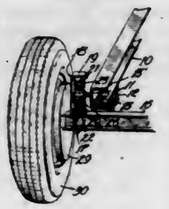
ber guiding a rope through said tubular member, and said tubular member formed to provide a vertical slot from the lower extremity of said tubular member to a point near the top of the same, through which the rope may extend.

2,203,391
CAR COUPLER
William J. Metzger, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application July 23, 1938, Serial No. 220,864
10 Claims. (Cl. 213—127)



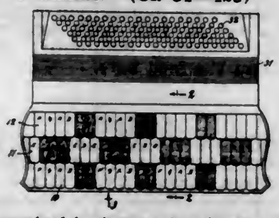
2. In a car coupler, a vertically movable lock having a downwardly extending leg, a rotor lift lever pivotally mounted on the bottom of said coupler to the rear of said lock, a link shiftably connected with said lever and the leg of said lock, disengageable anti-creep means comprising a projection on said leg underlying a stop on said head, and means on said link underlying a portion of said coupler head for normally preventing disengagement of said anti-creep means without preventing operation of said link by said lever.

2,203,392
SPRING SUSPENSION
Daniel Pica, Chicago, Ill., assignor to Frank Kemptner, Chicago, Ill., as trustee
Application June 23, 1938, Serial No. 215,326
11 Claims. (Cl. 267—20)



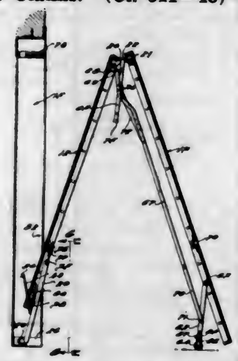
1. In a vehicular spring suspension, the combination of a pair of coil springs in series, a bracket having seats engaging opposite ends of said springs in a locked relationship, and holding said springs under pressure, an arm, one end of which is fixedly disposed between said springs, being otherwise free to move in any direction, and the other end being yieldingly connected to a vehicle frame.

2,203,393
MUSICAL INSTRUMENT
John H. Reuther, New York, N. Y.
Application July 18, 1939, Serial No. 285,105
9 Claims. (Cl. 84—428)



1. In a musical instrument, a keyboard having a proximal row of depressible keys, an intermediate row of depressible keys, and a distal row of depressible keys, a note operator for each key in the intermediate row of keys, means for connecting together for unitary operation said like keys and note operators, a note operator for each pair of keys in said proximal and distal row of keys, means for connecting together for unitary operation said like keys in the proximal row and said latter note operators and articulated to have the keys in the proximal and intermediate rows move like distances and require like pressures to operate the same, and means for connecting together for unitary operation said like keys in the distal row and said latter note operators and articulated to have the keys in the distal row move like distances and require like pressure as the keys in the proximal and intermediate rows.

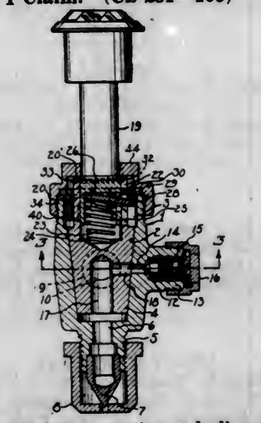
2,203,394
FOLDING BENCH AND TABLE CONSTRUCTION
Robert E. Schieber, Detroit, Mich.
Application July 5, 1938, Serial No. 217,490
6 Claims. (Cl. 311—18)



1. In a folding table construction or the like, a supporting member, a pair of top sections pivoted together for folding movement from a position in a common plane with their edges in abutment to a substantially parallel overlapping relationship, the free edge of one of said sections being connected to said member for swinging movement from a horizontal operative position to a vertical inoperative position with the edge which is pivoted to the other section uppermost, leg means pivoted to one of said sections adjacent the pivotally connected edges of said sections, a second leg means pivoted to the free edge of the outer section for supporting the same, floor engaging rollers on said second leg means,

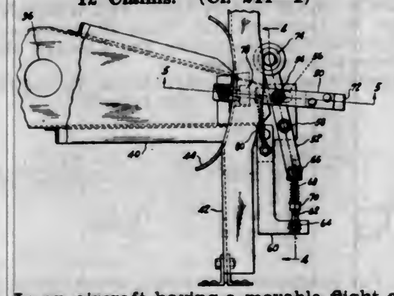
and means for positively maintaining both of said leg means in a substantially vertical position during folding movement and in all positions of said sections.

2,203,395
GAS COCK
Robert E. Schoenberger, Shaker Heights, Ohio, assignor to The W. J. Schoenberger Company, Cleveland, Ohio, a corporation of Ohio
Application June 4, 1938, Serial No. 211,887
1 Claim. (Cl. 251—165)



A valve comprising a casing, a hollow plug valve rotatable in said casing, a valve stem slidably but non-rotatably mounted in said valve and formed with a circular recess in its end and with a lateral opening communicating with said recess, a valve latching sleeve sleeved on said plug, and means for preventing relative rotation of said sleeve and casing, a latching member loosely carried by said stem having a body portion snugly received in the circular recess of said stem and formed with a finger portion projecting through said lateral opening and cooperating with said sleeve to stop the rotation of the valve when the valve is turned to certain positions, and means on the outer end of said hollow plug for locking said stem and valve and latching sleeve together.

2,203,396
CONTROL SURFACE LOCK
James A. Sterhardt, Towson, Md., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 9, 1939, Serial No. 294,176
12 Claims. (Cl. 244—1)



1. In an aircraft having a movable flight control member and manually actuated means for moving said flight control member, a locking for fixing said flight control member in a predetermined position, manually operable means for engaging and releasing said lock, and means operable by said member moving means for releasing said lock.

2,203,397
PLATE ATTACHING DEVICE
Henry A. Taylor, Dorchester, Mass.
Application October 7, 1938, Serial No. 233,723
9 Claims. (Cl. 85—36)



1. A plate clamping device comprising a stud having a head and a shank provided with a circumferential groove, a spring clamping plate having a longitudinally bowed intermediate part provided with a longitudinal slot adapted loosely to receive the grooved part of the stud shank and striker end parts upturned on the same side of the plate, said slot having an enlargement located mainly in one upturned end part, the enlargement being large enough to admit the passage of the stud shank thereinto only when the enlargement is positioned approximately co-axially of the stud and preventing the detachment of the plate and the stud when the end part is substantially inclined with respect to the stud axis.

2,203,398
COMBINATION COUCH AND BED CONSTRUCTION
Edwin L. Weinman, New York, N. Y.
Application April 1, 1933, Serial No. 663,914
Renewed October 17, 1939
5 Claims. (Cl. 5—111)

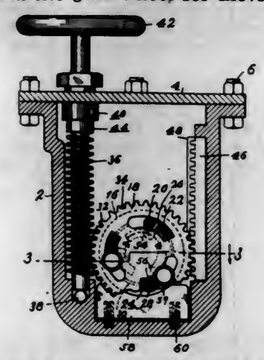


1. In the combination of a sectional bed bottom a central section supported in horizontal position by folding legs, folding sections pivoted to said central section at opposite sides thereof in upright and horizontal position respectively, means to raise and lock said folding legs simultaneously and elevate all of the bed bottom sections thereby to the normal height of a bed when one of the folding sections is outwardly extended in horizontal alignment with said central section and means to support both of said folding sections while unfolded to horizontal position.

2,203,399
VALVE
Charles Wheatley, Kansas City, Mo.
Application July 31, 1939, Serial No. 287,569
15 Claims. (Cl. 251—54)

1. A valve comprising a casing having a passage therethrough, a gear wheel in the casing, a closure arranged beside and movably connected to said gear wheel and adapted to control the passage, coacting means mounted in the casing and intermeshing with said gear wheel to move it and the closure transversely to the axis of the

passage, and coacting means associated with the closure and the gear wheel for moving said closure axially relative to the passage and the gear wheel.



2,203,400
PROCESS OF PRODUCING VITAMIN E CONCENTRATE
John S. Andrews, St. Paul, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application September 24, 1938, Serial No. 231,544
4 Claims. (Cl. 167—81)

1. A process of producing a solid, stable vitamin E concentrate and antioxidant from wheat germ oil and in which the original vitamin E activity of the wheat germ oil has been increased from 20 to 50 fold which comprises introducing a catalyst into wheat germ oil, and hydrogenating the oil in the presence of the catalyst, while agitating the oil and heating said oil and catalyst to a temperature of not more than 200° C. whereby the oil is partially hydrogenated and a portion of the glycerides present in such oil are converted from the unsaturated state to the saturated state, filtering the warm oil to remove the catalyst therefrom, extracting the hydrogenated wheat germ oil with alcohol, to produce an alcoholic extract containing vitamin E and antioxidant, then cooling the alcoholic extract to a sufficiently low temperature to cause the separation of sterols and glycerides therefrom, then filtering the solution while cold to remove the sterols and glycerides, and finally removing excess alcohol from the vitamin concentrate by distilling off said alcohol.

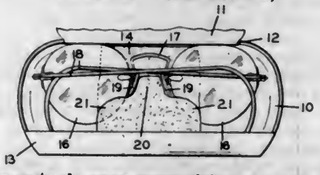
2,203,401
GARMENT
Florence C. Barnard, St. Paul, Minn.
Application November 20, 1937, Serial No. 175,677
1 Claim. (Cl. 2—224)

A form fitting tights type garment for women and children comprising form-fitting trunks and form-fitting full fashioned leg portions integral with the trunks adapted to be worn as outer coverings for the legs and having the appearance and shape of full fashioned stockings, said garment being formed of two pieces of elastic fabric, each piece forming one half of the form-fitting trunks and being joined to the other piece in the trunk portion in medial front and rear seams which extend downwardly from the upper end of the garment and meet at the crotch, the fabric of each piece below the crotch being shaped as a complete form-fitting full fashioned stocking leg blank and having the opposite edges thereof joined together in a rear seam, the rear seamed edges of the stockings having extensions extending upwardly into the trunks which converge in the seat area and meet each other at the medial



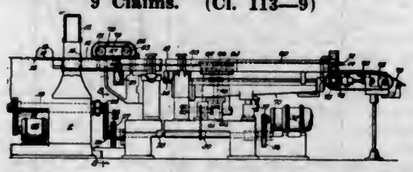
rear seam at a point between the crotch and the upper end of the trunks, foot engaging parts at the lower ends of the stocking legs, and an elastic waist band at the upper end of the trunks.

2,203,402
SPECTACLE CASE
Carl L. Bausch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 21, 1937, Serial No. 144,017
2 Claims. (Cl. 206—6)



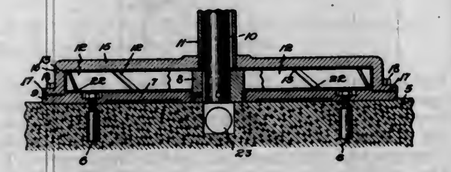
1. A spectacle case comprising a bottom member, a top member, hinge means for pivotally connecting said members along one edge, a sponge rubber cushion secured in the central part of the bottom member for engagement by the bridge and lenses of a pair of spectacles, a projection extending upwardly from said cushion for engagement by the nose pads of said spectacles, and lateral extensions on said projection covering an edge of each of said lenses.

2,203,403
LOCK SEAM SOLDERING ATTACHMENT
Allan M. Cameron, Oak Park, Ill., assignor to Cameron Can Machinery Co., Chicago, Ill., a corporation of Illinois
Application May 20, 1937, Serial No. 143,715
9 Claims. (Cl. 113—9)



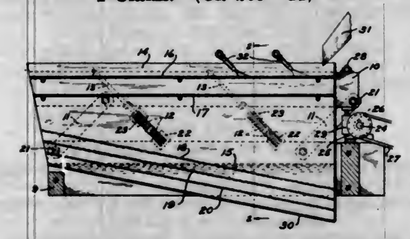
1. The combination of a lock seamer including reciprocatory feed dogs for delivering can bodies from the forming mechanism, a soldering attachment including a continuously operating feed chain provided with can body engaging dogs for advancing can bodies through the soldering attachment, and means for transferring can bodies from the lock seamer to said feed chain in predetermined relation to the feed chain dogs, said means comprising a continuously operating transfer chain positioned to overlap a portion of the path of travel of the last reciprocatory feed dog in the lock seamer and yielding feed dogs carried by said transfer chain adapted to slide idly over a body partially advanced by said reciprocatory dog and to engage and deliver a fully advanced body to said feed chain of the soldering attachment.

2,203,404
AGITATING AND COMMINUTING MECHANISM
Warren O. Chace, Medford, Mass.
Application June 6, 1939, Serial No. 277,654
3 Claims. (Cl. 146—68)



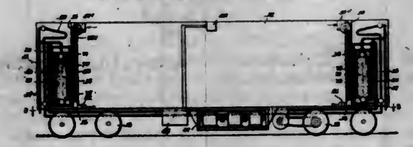
1. Agitating and reducing means for vegetal growth and comprising a tank, a driving shaft mounted therein with plant stem agitating and reducing arms with cutting edges thereon, a reducing bar adjacent said arms to cooperate with said arm upper edges to reduce the plant stems and branches preliminarily into shorter units, a reducing plate below the said arms provided with circumferentially arranged hill and valley sections thereon, cooperating with the reducing arm lower breaking edges to reduce the vegetable stem units to shorter pieces too large to form part of a colloidal mass, but, with the pulp, forming a semi-liquid mass, and fillet surfaces in the upright joints of the walls and the joints of the walls and the tank bottom, promoting feeding of the material from different directions to the reducing arms.

2,203,405
SAND CLASSIFIER
Irving M. Clicquennoi and Hugo W. Weimer, Milwaukee, Wis., assignors to Walter E. Lippmann, doing business as Lippmann Engineering Works
Application June 13, 1938, Serial No. 213,382
1 Claim. (Cl. 209—44)



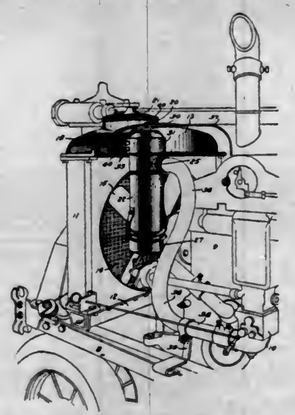
In combination, a receptacle having an inclined bottom and a liquid basin of considerable depth above said bottom, a series of superimposed parallel screens disposed parallel to said bottom and each having a substantial portion thereof constantly immersed in said basin, means for delivering granular material to the deepest portion of said basin above the upper of said screens, and means for vibrating said receptacle and screens in the general direction of the inclination of said bottom.

2,203,406
AIR CONDITIONING APPARATUS
Arthur E. Dempsey, Jr., Council Bluffs, Iowa, assignor, by mesne assignments, to North American Car Corporation, Chicago, Ill., a corporation of Illinois
Application December 3, 1932, Serial No. 645,552
19 Claims. (Cl. 62—117)



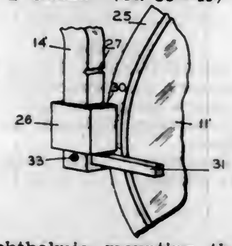
1. In a refrigerating system for traveling vehicles, a cold storage element communicating with a chamber to be cooled, a refrigerant conduit associated with said cold storage element to deliver refrigerating energy thereto for storage for future release to cool the atmosphere in the chamber, a second refrigerant conduit in communication with said chamber and adapted to deliver refrigerating energy directly to the atmosphere of the chamber and means responsive to the temperature prevailing in the chamber and operated by electrical power developed by the movement of the vehicle for controlling the circulation of a refrigerating medium selectively through one or the other of said conduits.

2,203,407
RADIATOR AND AIR CLEANER ASSEMBLY
Frank A. Donaldson, St. Paul, Minn.
Application August 27, 1938, Serial No. 227,146
4 Claims. (Cl. 123—198)



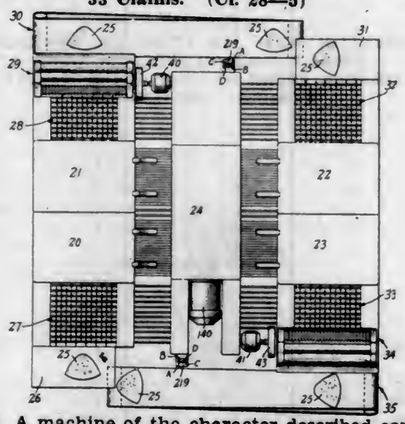
1. In a radiator and air cleaner assembly, a radiator tank having an air conduit extending from front to rear thereof, and an air cleaner, the shell of which is seated against and rigidly secured to said tank, said shell having an air intake port connected to the rear end of the air conduit of said tank.

2,203,408
OPHTHALMIC MOUNTING
Gerhard A. Ellestad, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 8, 1937, Serial No. 124,601
1 Claim. (Cl. 88—49)



In an ophthalmic mounting the combination of a bridge having a vertical side portion with a face provided with spaced notches, a tubular member slidably mounted on said side portion, a lens carried by said member, a resilient locking element carried by said member, said element being positioned between said face of the side portion and a wall of said tubular member and having a portion which is normally urged into locking engagement with a selected notch on said vertical side portion whereby the position of the lens may be selectively adjusted.

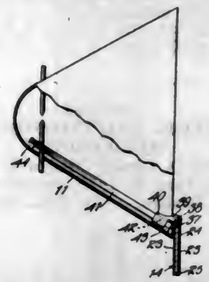
2,203,409
APPARATUS FOR AND METHOD OF TREATING HAT BODIES
Frederick Franz, New Haven, and Arthur H. Boesch, Danbury, Conn., and Robert Pash, Roselle, N. J.; said Franz and said Pash assignors to said Boesch
Application January 27, 1938, Serial No. 187,138
33 Claims. (Cl. 28—5)



1. A machine of the character described comprising, in combination, a plurality of coplanar felting compartments having rolls for felting and shrinking hat bats, and common driving means connected to said rolls and disposed between adjacent compartments.

2,203,410
LAMP
Joseph Gelb, New York, N. Y.
Application March 2, 1937, Serial No. 128,593
1 Claim. (Cl. 240—45)

In a lamp, a reflector having an open forwardly projected flared portion, a light source within the reflector at the rear thereof, a bracket carried by the reflector adjacent the light source, a supporting frame pivotally carried by the bracket, a light conditioning plate carried by said frame, the plate being made of heat-resisting glass and having a central translucent area normally positioned to receive the more intense and direct rays of said light source and having a substantially transparent area surrounding the



translucent area, the plate being substantially spaced from the inner wall of the reflector, and manually operable means for frictionally holding the plate in adjusted positions relatively to the bracket and light source, and a bar carried by and within the reflector and extending longitudinally thereof, the bracket being mounted upon the bar to slide longitudinally thereof, and a manually operable clamping device for clamping the bracket in adjusted position upon said bar.

2,203,411
PIVOT FOR WATT-HOUR DISKS AND THE LIKE
Stanley S. Green, La Fayette, Ind., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind., a corporation of Illinois
Application March 1, 1937, Serial No. 128,346
13 Claims. (Cl. 308—159)



10. An oil free bearing construction including a bearing jewel and a pivot member formed of metal having a hardness between approximately 225 Brinell and 500 Brinell and which does not oxidize under oil free operating conditions, said metal being of a composition comprising at least approximately 50% of the group consisting of gold and the platinum group, substantially all of the balance being metal which alloys therewith and which does not oxidize more readily than copper.

2,203,412
BOX STRAP HOLDER AND LOADER
George M. Hill and Harley D. Clark, Riverside, Calif.
Application October 4, 1938, Serial No. 233,222
7 Claims. (Cl. 1—49.5)

1. In a strap holder for a plurality of preformed metal straps to be applied by machine to containers, the combination of: a frame including side members for engaging the hooked ends of said straps and end members for holding said

side members in spaced relation relative to each other; and releasable means extending between



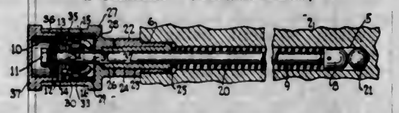
said end members and over said straps for securing said straps to said frame.

2,203,413
ARMREST
Harry M. Hood, Chicago, Ill., assignor to Featheredge Rubber Company, Inc., a corporation of Illinois
Application February 13, 1939, Serial No. 256,034
3 Claims. (Cl. 155—198)



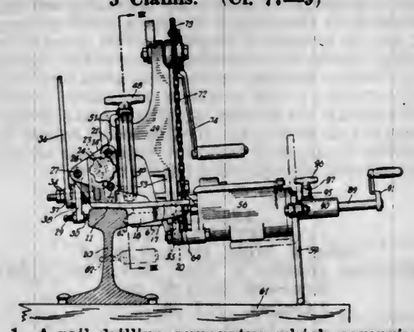
1. An armrest for automobiles and the like, comprising a pair of metal plates each having a keyhole opening, with the smaller portion of such opening extending outwardly, means for connecting said plates consisting of relatively rigid but elastic rubber in which said plates are embedded, and cushioning material on said rubber connecting means.

2,203,414
THERMAL ALARM
Rudolph F. Knaack, Brunswick, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y., a corporation of New York
Application September 14, 1938, Serial No. 229,841
2 Claims. (Cl. 200—142)



1. In an alarm device for bearings, in combination: a nipple formed with external screw threads adapted to be screw threaded into an internally screw threaded cavity formed in a bearing member; a sleeve fitting within the nipple and formed with a shoulder at one end bearing against one end of the nipple and further formed with a through bore and with the end opposite the shoulder externally screw threaded; a hollow head formed with internal threads adapted for being threaded upon screw threaded end of the sleeve and formed with a bore; a rod passing through the sleeve and through the bore in the head; a fusible pellet positioned opposite one end of the rod; an electrical conducting member carried by the other end of the rod; means including electrical terminals cooperating with the electrical conducting member carried by the rod; an abutment on the rod; and a spring interposed between the said abutment and the sleeve whereby while the pellet is intact the electrical contacts are separated but when the pellet is fused the spring moves the rod and brings the contacts together by means controlled by the contacts for giving an alarm.

2,203,415
RAIL DRILLING MACHINE
Frederick C. Lavarack, Montclair, N. J., and Benjamin Schlesinger, Flushing, N. Y., assignors to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Original application May 7, 1936, Serial No. 78,370. Divided and this application March 21, 1938, Serial No. 197,150
5 Claims. (Cl. 77—9)



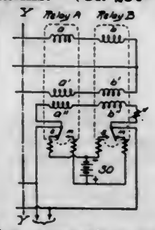
1. A rail drilling apparatus which comprises a plate member adapted to be disposed upon the tread face of a rail; an upright bracket mounted rigidly upon said plate member, and supporting fixed horizontal guides; a first upright cross-head movable horizontally upon said guides in substantially an upright longitudinal plane of the rail, and having upright guides in a plane parallel with that of said horizontal guides; a second cross-head movable substantially vertically upon said upright guides; a drill-head connected fixedly with said system of cross-heads and adjustable therewith to dispose the drill at any desired point at the side of the rail; means adapted to be engaged adjustably with the track structure adjacent to the rail to support the free end of said drill-head with said drill presented along an axis normal to the plane of a rail face to be drilled, and readily attachable-detachable means to clamp said plate member to said rail head.

2,203,416
DYESTUFFS OF THE BENZANTHRONE SERIES
William H. Lycan, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 21, 1937, Serial No. 121,561
4 Claims. (Cl. 260—274)

1. As new dyestuffs, the alkaline condensation product of Bz-1-benzanthronylaminoanthrones

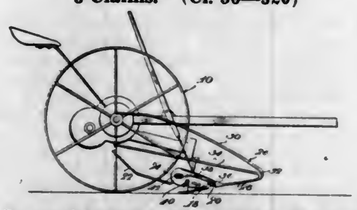
containing a heterocyclic ring in the 1,9-position of the anthrone radical, said aminoanthrone being attached to the Bz-1 position of the benzanthronyl radical in one of the positions 4 and 5.

2,203,417
LOW FREQUENCY GENERATOR
Alfred E. Michon, Summit, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application May 6, 1938, Serial No. 206,467
6 Claims. (Cl. 250—36)



1. An oscillation generator, comprising a thermionic amplifier having input and output circuits, a polar relay having an operating winding connected to the output circuit, a holding winding, and an armature adapted to rest upon either of two contacts connected to opposite potentials, means whereby when the armature rests upon either of the contacts a steady current flows through the holding winding, a wave shaping network and means for feeding back energy alternately from said opposite potentials to said input circuit through said network.

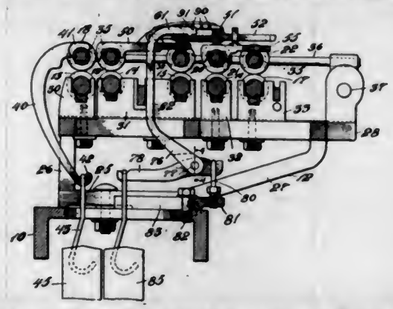
2,203,418
SWATHER BAR
John E. Mills, McCook, Nebr.
Application October 6, 1938, Serial No. 233,675
Renewed April 22, 1940
3 Claims. (Cl. 56—320)



1. In combination with a sickle bar including a pointed guard shoe, a swather bar comprising rods arranged one above the other and connected as a unit, said rods converging forwardly to provide a leading nose, a boot fixed to the lowermost rod intermediate its ends for receiving the point of said guard shoe, a portion of said lowermost rod lying adjacent one face of the guard shoe and being fixedly connected thereto, and the other of said rods extending above the guard shoe and angled across the sickle bar for deflecting growth to be cut inwardly of the sickle bar.

2,203,419
TOP ROLL SADDLE
George Repass, Pawtucket, R. I., and Henry B. Ahlberg, Attleboro, Mass., assignors to H & B American Machine Company, a corporation of Maine
Application February 3, 1940, Serial No. 317,160
10 Claims. (Cl. 19—137)

1. In a top roll saddle mechanism, a front saddle, a stirrup-supporting member associated with said saddle provided with a toothed formation presenting a series of transverse notches within any of which a weight stirrup can be selectively positioned and hung, a weight stirrup for said saddle having an upper end portion provided with a transverse tooth having a fulcruming engagement within a selected notch of said toothed



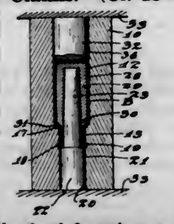
formation, and means positionable with respect to said upper end portion of the stirrup whereby in one position of said means the upward movement of the stirrup will be restricted relative to its supporting saddle member so as to prevent separation of said tooth from inter-engagement with a selected notch of said toothed formation when the stirrup rests in a desired adjusted position.

2,203,420
WARNING SIGNAL
Theodore J. Scofield and Floyd W. Hardick, Jackson, Mich., assignors to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application October 27, 1937, Serial No. 171,370
7 Claims. (Cl. 177—7)



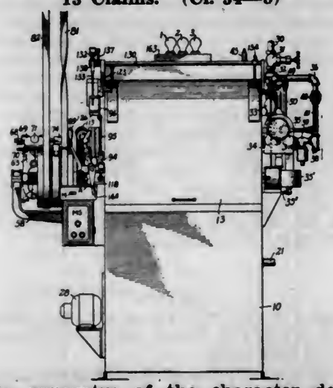
4. In a warning signal wherein a motor includes a field coil, a frame therefor, a battery, a normally opened push button switch, an armature associated with said frame and operatively connected with the sound producing element, and wherein an automatic circuit interrupter is mounted adjacent the armature to be actuated thereby, in combination, a switch element connected in a circuit of the motor in series with the circuit interrupter and with said field coil and having a first circuit normally connected in series with said push button, a second circuit of said switch element being connected directly with the battery, an armature for said switch element arranged adjacent the field frame to be moved to a second position by the magnetism in said frame for actuating the switch element to open said first circuit and to close said second circuit, and a resistance connected in said first circuit between the coil and push button to form a shunt around the circuit interrupter and maintain the field frame sufficiently magnetized to hold the armature in said second position and thus maintain said second circuit closed throughout the period the push button is maintained closed.

2,203,421
METHOD OF MOLDING CONTAINERS FROM PLASTIC MATERIALS
Earl P. Stevenson, Newton, and Ben B. Fogler, Belmont, Mass., assignors to Arthur D. Little, Inc., a corporation of Massachusetts
Application April 27, 1937, Serial No. 139,266
3 Claims. (Cl. 18—58)



1. The method of forming a container having a body portion and a reduced neck portion which consists in preheating a mold having a cavity the walls of which conform in configuration to the shape of the side walls of the container, centering a tapered mandrel in said cavity, partially filling said cavity with resinous moldable material below the level of the top of said mandrel, telescoping a hollow core having an exterior configuration conforming to the shape of the inner walls of the body portion of the container over the upper end of said mandrel, adding additional moldable material to said cavity to bring the level thereof above said core, compressing said material in said cavity and allowing the same to become set, removing the formed container from the mold, withdrawing said mandrel from said hollow core, and removing the core from the formed container.

2,203,422
APPARATUS FOR DRYING
William Strobridge, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application July 24, 1937, Serial No. 155,361
13 Claims. (Cl. 34—5)



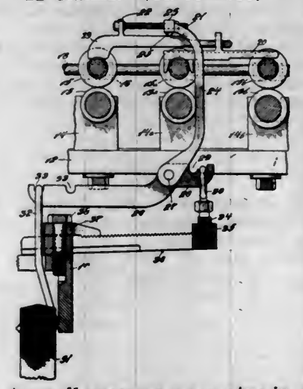
1. In apparatus of the character described, in combination, a drying tumbler housing having a door adapted to occupy open and closed positions and operable in a normal manner, an electric circuit including an electric fan for moving a current of air through said tumbler, and electric means interconnected with said circuit cooperative with said door in said normal manner to prevent opening said door unless said circuit is in energized condition.

2,203,423
LONG DRAFT APPARATUS
Christopher Walsh, Pawtucket, and Samuel Rushton Walsh, Valley Falls, R. I., assignors to H & B American Machine Company, a corporation of Maine
Application August 5, 1938, Serial No. 223,242
4 Claims. (Cl. 19—157)



1. A device for treating textile slivers or rovings comprising a body member having a narrow floor portion with upwardly extending side walls, the ends of said body being open, said floor portion being upwardly arched so as to extend lengthwise in the path of travel of the moving sliver when bridging the space between one set of draft rolls and another set of draft rolls in the normal operating position of the device in a drawing mechanism, said side walls converging from the rear toward the front ends of the device for condensing the sliver in passing therebetween, the opposed inner side faces of said side walls being of convexedly curved form in cross section for lifting up and forcing over the body portion of the sliver the fibers lying close to and at the marginal portions of the sliver as the latter advances through the device, the curvature of said inner faces of the side walls extending in a continuous curve upwardly from their meeting line with the floor portion a distance of at least the average thickness of a sliver when the same is acted upon by said walls in passing through the device.

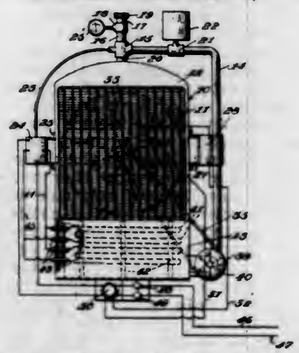
2,203,424
TOP ROLL PRESSURE MECHANISM
Christopher Walsh, Pawtucket, R. I., assignor to H & B American Machine Company, a corporation of Maine
Application May 1, 1939, Serial No. 270,969
11 Claims. (Cl. 19—136)



1. In a top roll pressure apparatus in a textile or analogous machine, the combination with a stirrup connected at one end to a weight lever and a front pressure saddle connected to the other end of the stirrup resting on the front top roll, of a fulcrum element on which the weight lever is hinged for pivotal movement, a fixed support, a tiltable slide on said support supporting said fulcrum element, said slide being manually shiftable transversely relative to said support into different adjusted positions

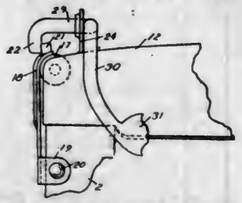
thereon when tilted in one direction and slid on the support, and means for detachably securing said slide in its various adjusted positions, said means being provided with a tooth to engage a similar formation upon the slide to hold the same fixed when the latter is released and tilted in a different direction from that for normally effecting the release and manual shifting movement of the slide with respect to the support.

2,203,425
APPARATUS FOR HEATING
Frank N. Welch, Flint, Mich.
Application March 26, 1938, Serial No. 198,334
1 Claim. (Cl. 237—7)



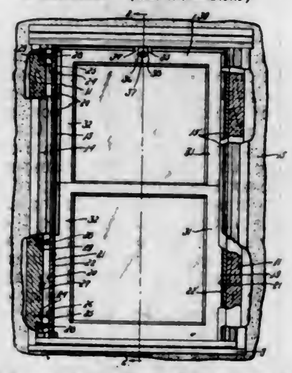
A compact, unitary heating apparatus comprising a fluid circulating radiator having top and bottom pans and an intermediate cellular structure in communication with the pans, a return connection between the pans externally of and adjacent to the radiator, a motor operated fan disposed within a housing engaging the rear face of the cellular structure for forcing air therethrough, electrical fluid heating elements in the bottom pan, a fluid agitator in the bottom of the return connection, a direct reduction drive connection between the fan and fluid agitator, a fluid temperature responsive thermostat for controlling the heating elements, and a room temperature responsive thermostat for controlling the fan and fluid agitator, the thermostats being directly supported by the radiator.

2,203,426
WRINGER
James W. Brandt, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application July 13, 1932, Serial No. 622,223
Renewed June 21, 1938
4 Claims. (Cl. 68—32)



1. In a wringer, the combination of a frame comprising side stiles; rolls mounted in the frame; a top bar; a pressure means for the rolls acting from the top bar; and a safety release for the pressure means comprising a pivotally mounted latch between the bar and a side stile, said latch having an unstable engagement in locking position, a lock for the latch, and an operating bar for the lock extending across the frame and movable forward and back throughout its length for releasing the lock, said operating bar being rigidly connected with the lock.

2,203,427
WINDOW CONSTRUCTION
Owen L. Dautrick, Detroit, Mich., assignor of one-third to Lewis G. Erb and one-third to Arthur E. Blow, both of Royal Oak, Mich.
Application September 10, 1938, Serial No. 229,243
3 Claims. (Cl. 20—52.2)



1. A window construction of the class described, comprising: a window frame; a pair of oppositely disposed slide rails mounted on the inner faces of opposite sides of said frame and extending longitudinally thereof, one of said slide rails being fixed relatively to said frame and the other being movable toward and away from said fixed slide rail, the outer faces of each of said slide rails having a longitudinally directed groove formed therein; a window sash slideably mounted between said slide rails; oppositely disposed side rails on said window sash and having their outer faces shaped to conform to and engaging in the grooves in said slide rails, said sash, in unison with said movable slide rail being movable away from said stationary slide rail a sufficient distance for clearing said stationary slide rail; and means engageable with the sash, upon movement of said sash to a predetermined position relatively to said slide rails, for preventing movement of said sash and said movable slide rail away from said stationary slide rail a sufficient distance for effecting clearance of said sash with said stationary slide rail.

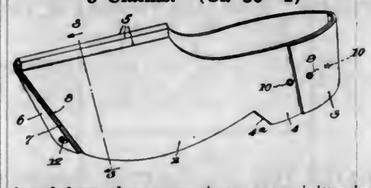
2,203,428
METHOD OF COUPLING A SOUND GENERATING SYSTEM TO A SOUND GENERATING DIAPHRAGM
Walter Ditsche, Wesermunde, Germany, assignor of one-half to Leon Ladislaus von Kramolin, Berlin-Kladow, Germany
Application December 19, 1935, Serial No. 55,154
In Germany December 19, 1934
2 Claims. (Cl. 181—31)

1. A device having a sound generating diaphragm, means transmitting an exciting force from a sound generating system to the sound generating diaphragm, and sound-absorbing flexible means from which said diaphragm is suspended, said device being characterized in that said diaphragm in shape is a geometrical figure having a base and side surfaces which converge toward one single point and in that the first-



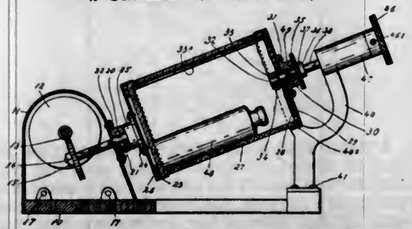
mentioned means are connected to an edge constituting a part of the base of said diaphragm and transmit said force along one of said side surfaces toward said point, the second-mentioned means being also connected to said base.

2,203,429
SHOE COVERING
Joel B. Francis, Collegeville, Pa., assignor to Collegeville Flag & Mfg. Co., Collegeville, Pa.
Application September 19, 1939, Serial No. 295,669
8 Claims. (Cl. 36—1)



1. A soleless shoe covering comprising integral vamp and heel portions formed of relatively stiff sheet material, the top of the vamp portion being substantially straight and level.

2,203,430
PORTABLE MIXER
George Goldberg and Emil Graf, New York, N. Y., assignors to G. & G. Precision Works, Inc., a corporation of New York
Application September 3, 1938, Serial No. 228,315
2 Claims. (Cl. 259—81)

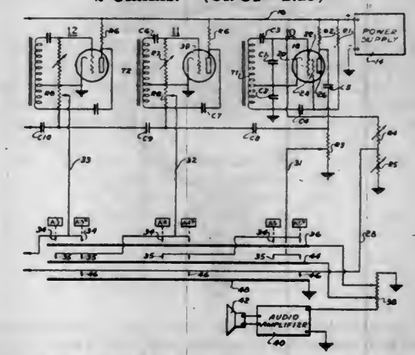


1. A mixer comprising a support rotating on an axis at an angle to the horizontal, a container mounted on said support and rotated therewith a removable cover for said container for enclosing the contents during rotation, means for securing said cover to said container permitting said cover and container to rotate simultaneously, a scraper rotatably mounted with respect to said cover and engaging the inner wall of the container for removing adhering particles therefrom, a non-rotatable shaft for engagement with said scraper for preventing the rotation of the scraper with said container; and means for disengaging said shaft from said scraper.

2,203,431
FUNGICIDE
Marion C. Goldsworthy, Takoma Park, Md.; dedicated to the free use of the People in the territory of the United States
No Drawing. Application January 15, 1940, Serial No. 313,893
1 Claim. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

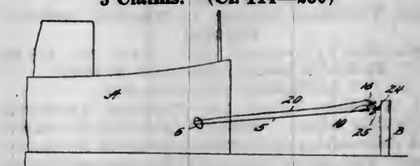
A fungicide containing as its essential active ingredient 2.4 diamino-diphenylamine.

2,203,432
ELECTRICAL MUSICAL INSTRUMENT
Thomas J. George, Chicago, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application November 30, 1939, Serial No. 306,830
2 Claims. (Cl. 84—1.19)



1. In an electrical musical instrument having an output circuit, in combination, a master generator, a second generator having a fundamental frequency different from said master generator but locked thereto in a simple fractional ratio, a keyboard including a first key and a second key, two electrical circuits completed by operation of said first key, one of said circuits being connected to said master generator and being effective to alter the frequency thereof, the other of said circuits connecting said second generator to the output circuit of the instrument to produce a given note, and means operated by said second key connecting said second generator to the output circuit of the instrument to produce a note of frequency differing from that of the note produced by operation of said first key.

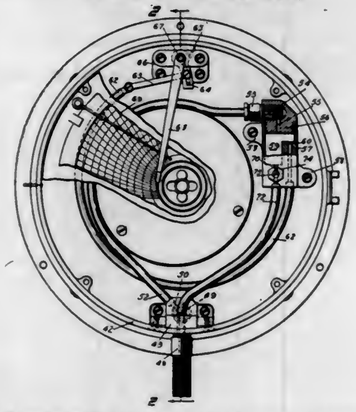
2,203,433
MOORING DEVICE
Nicolas Urrutia Gundian, Iquique, Chile
Application September 2, 1938, Serial No. 228,203
5 Claims. (Cl. 114—230)



1. A mooring device comprising an arcuate bill portion, a curved heel portion, the free end of said heel portion being provided with an opening, the latter being substantially coincident with the center of the radii of the arc of said bill portion,

an extension from said bill portion, a pressure member pivotally secured to the free end of said extension, means in connection with said pressure member to engage said heel portion and means for imparting pressure to said pressure member.

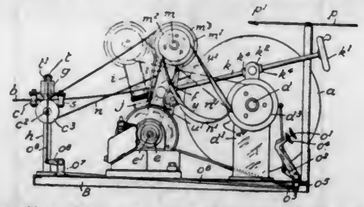
2,203,434
STEAM AND SEDIMENT TRAP FOR A PRESSURE RESPONSIVE INSTRUMENT
Howard J. Hartley, Lansdale, Pa., assignor to United States Gauge Company, New York, N. Y., a corporation of Pennsylvania
Application April 10, 1934, Serial No. 719,974
8 Claims. (Cl. 73—109)



1. A pressure responsive instrument comprising a cylindrical casing having an end wall, a post member secured to the inside of said casing adjacent the lower portion thereof, a hollow receptacle element secured to said end wall above the center of said casing, passage means in said post adapted to be connected to a source of fluid under pressure, a curved section of tubing secured to said post and to said receptacle element, said tubing being connected to said passage means at one end and communicating with the interior of said hollow receptacle element at the other end, a Bourdon tube secured to said element and extending downwardly therefrom, and passage means in said element connecting the upper portion of the interior thereof with said Bourdon tube, said last named passage means entering said receptacle element at a point offset from the point where said tubing enters said receptacle whereby heated fluid entering said receptacle may condense to a liquid therein prior to entering said Bourdon tube.

2,203,435
CABLE LAYER
Irwin Trevanion Kempe, Longparish, Andover, England
Application February 3, 1937, Serial No. 123,939
In Great Britain February 5, 1936
12 Claims. (Cl. 242—54)

11. A cable laying and recovery apparatus, comprising a base, rotatable feed rolls for paying out a cable and a single rotatable drum for storage of said cable, one of said rolls being spring-pressed towards another of said rolls co-operating therewith, a tilting beam pivotally mounted at its lower end on said base, a countershaft carried by the upper end of said beam, said countershaft forming a power-transmission member common to said feed rolls and said drum, means for displacing said tilting beam to either side of the vertical, a motor also mounted on said base and including a driving shaft coaxial with the pivot of said tilting beam, a first-motion drive from said driving shaft to said countershaft and sec-

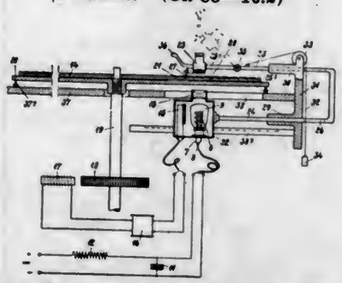


ond-motion drives from said countershaft to said co-operating feed roll and to said storage drum, said second motion drives being operated selectively by displacement of said tilting beam for laying cable from said drum or for recovery of cable on to said drum respectively.

2,203,436
MASTICATORY
Ferdinand A. Kertess, Briarcliff Manor, N. Y.
No Drawing. Application February 28, 1939, Serial No. 259,063
3 Claims. (Cl. 99—135)

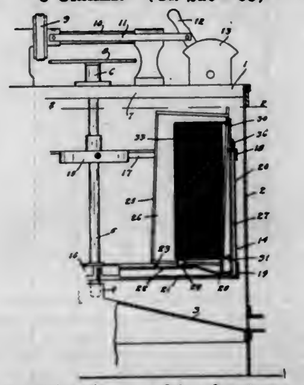
1. A masticatory comprising one to three parts of glue hydrolized to such a degree that it does not swell with water and one part of glycerine.

2,203,437
APPARATUS FOR PROJECTING CINEMATOGRAPHIC IMAGES CARRIED ON DISKS
Rudolf Levy, Berlin-Halensee, Germany
Application September 22, 1936, Serial No. 101,919
In Germany May 17, 1932
4 Claims. (Cl. 88—16.2)



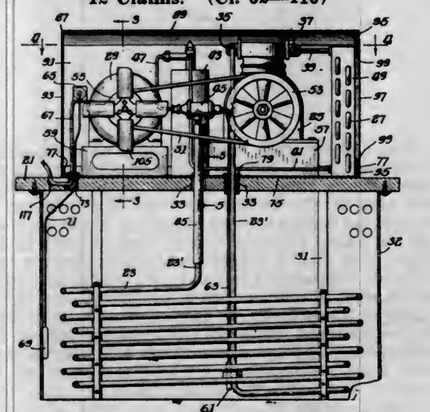
1. A combined sound reproducing device and projection device for continuously rotating cinematogram disks carrying spirally arranged transparent image records, said combined device comprising optical means for projecting the cinematographic images, an image-illuminating device which consists of at least one luminous discharge tube, an electrical condenser, means for charging same, and means whereby said condenser is rapidly discharged through said tube to produce flashes of light, to illuminate said image records, said device including a shiftable two-armed fork, one arm thereof being arranged on one side of the image disk and carrying the illuminating device while the other arm, arranged on the other side of the image plate, carries the optical projection system, the arm above the image disk being constructed to fold upward to facilitate changing the image disks.

2,203,438
COMB PROTECTOR
John J. Maendel, Rosedale Colony, Elie, Manitoba, Canada
Application November 2, 1938, Serial No. 238,468
5 Claims. (Cl. 210—65)



1. In an extractor machine having a rotatably mounted frame for radially supporting honey combs and centrifugally removing the honey therefrom in the operation of said machine: means for preventing comb breakage therein comprising; pairs of perforated members for each honey comb in said extractor machine; said members supported on said frame and mounted for movement in and away from the cell sides of said honey combs; and means for pressing said members against said comb sides under the action of the centrifugal force produced in the extraction operation.

2,203,439
COOLING APPARATUS
Chauncey B. Oliver, Las Vegas, Nev., assignor to Babson Bros., Chicago, Ill., a limited partnership of Illinois
Application July 1, 1938, Serial No. 216,563
12 Claims. (Cl. 62—116)



1. Apparatus of the character described, comprising a support frame, mechanical refrigerating means on said frame and comprising elements including a cooling element extending on one side of said frame, a condenser, a compressor and a driving motor therefor on the opposite side of the frame, means interconnecting said elements to form a refrigerant circulating system, including conduit means extending through and on opposite sides of said frame, said condenser, compressor and motor being arranged in alignment on said frame with the compressor at one end thereof, the axles of said motor and compressor being drivingly interconnected and one of said axles carrying an air circulating fan, a drip pan on said frame extending between it and the condenser and motor and having an upstanding marginal flange at the edges of the pan, a cover for enclosing said compressor, condenser, motor and fan, comprising a shell having top, side and end walls and having bottom edges adapted to interfit with the marginal flange of said drip pan, means to secure said cover to said marginal flange, said cover having a lateral air outlet opening in a side wall thereof in position to register with said fan, and an air inlet in a wall of said cover opposite said condenser, and means removably secured on said cover at said outlet opening comprising a fan housing.

2,203,440
PROCESS FOR THE SULPHONATION OF UNSATURATED ORGANIC SUBSTANCES
Thomas C. Oliver, Jackson Heights, N. Y., assignor to Charlotte Chemical Laboratories, Inc., Charlotte, N. C., a corporation of North Carolina
No Drawing. Application June 18, 1938, Serial No. 214,579
10 Claims. (Cl. 260—504)

1. The process of anhydrous sulphonation of a liquid body of mineral oil containing at least one hydrocarbon of the group consisting of the olefinic, aromatic and naphthenic types which comprises establishing the aforesaid liquid body of mineral oil, introducing an anhydrous gas mixture containing about 4.7 to about 7.5% anhydrous sulphuric anhydride and about 0.3 to about 0.35% anhydrous sulphurous anhydride into said liquid body of mineral oil in a state of fine division in the absence of substantial amounts of sulphuric acid, oleum and water, maintaining the temperature of said liquid oil body at about 60 to about 90° F., continuing the introduction of said anhydrous gas mixture into the liquid oil body for about 80 minutes to form oil-soluble and oil-insoluble sulphonic compounds mixed with unattacked residual oil, said residual oil containing the oil-soluble sulphonic compounds, separating said residual oil together with said oil-soluble sulphonic compounds from the oil-insoluble sulphonic compounds, neutralizing said oil-soluble sulphonic compounds, treating said residual oil containing neutralized oil-soluble sulphonic compounds with a solvent for said neutralized oil-soluble sulphonic compounds in which the residual oil is no more than slightly soluble, separating said solvent containing the neutralized oil-soluble sulphonic compounds from the residual oil to obtain a mineral oil having a low bromine index and a color of about 1.5 to about 3.0 on the A. S. T. M. scale. and separating said solvent from the oil-soluble sulphonic compounds.

2,203,441
WATER-SOLUBLE AND OIL-SOLUBLE SULPHONIC OR SULPHATE DERIVATIVES OF HYDROCARBONS
Thomas C. Oliver, Jackson Heights, N. Y., assignor to Charlotte Chemical Laboratories, Inc., Charlotte, N. C., a corporation of North Carolina
No Drawing. Application November 25, 1938, Serial No. 242,190
6 Claims. (Cl. 260—504)

1. As a new article of manufacture, an oil-

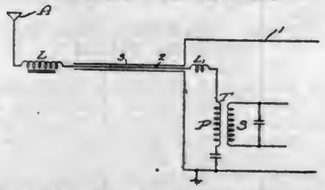
soluble and water-soluble material having organic sulphur in excess of inorganic sulphur and capable of forming aqueous suspensions of water-insoluble oils wherein the globules of oil have diameters not greater than 4×10^{-4} cm., said material comprising sulphonate and sulphate derivatives of liquid hydrocarbons contained in liquid organic substances selected from the group consisting of mineral oils, mineral oil fractions, and mixtures of at least one of mineral oils and mineral oil fractions with at least one of vegetable and animal oils and coal tar products, said derivatives being formed by reaction of the liquid hydrocarbons with a substantially anhydrous gaseous mixture containing anhydrous sulphuric anhydride and anhydrous sulphurous anhydride.

2,203,442

ANTENNA CIRCUIT FOR RADIO RECEIVERS AND THE LIKE

Jackson H. Pressley, Grosse Pointe Park, Mich., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application October 28, 1938, Serial No. 237,564
In Great Britain November 1, 1937
8 Claims. (Cl. 250—33)



4. An antenna system for a radio receiver comprising an aerial, a shielded lead-in for connection with a radio receiver, and a fixed inductance coil connected intermediate said aerial and said shielded lead-in in series connection with each.

2,203,443

METHOD OF PREPARING DETERGENT

John Ross, New York, N. Y., and Joseph Edward Mitchell, Jersey City, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application March 16, 1938, Serial No. 196,270
15 Claims (Cl. 260—504)

1. In the process of removing unsulphonated material from the reaction product of a sulphonating agent and an organic material soluble in a liquid solvent of the class consisting of liquid sulphur dioxide and water immiscible mixtures containing liquid sulphur dioxide, the steps which comprise treating the product with liquid sulphur dioxide and removing the liquid sulphur dioxide containing said unsulphonated material.

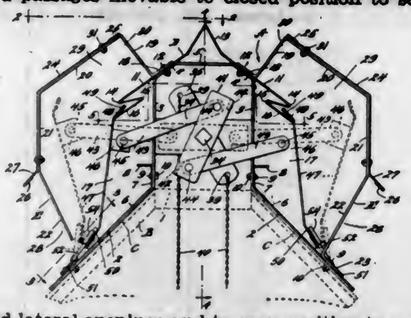
2,203,444

VENTILATOR

Clarence L. Schilling, Atlanta, Ga.

Application August 20, 1937, Serial No. 160,048
9 Claims. (Cl. 98—42)

1. In combination with a roof having a ventilating opening, a ventilator disposed over the opening and comprising base plates adapted to form a continuation of the opening, a cover disposed above said opening and forming with said base plates lateral openings communicating with said first mentioned opening, deflector members spaced from said cover and base plates forming exterior passages intersected by and overlying said lateral openings and having exterior inlet and outlet openings, and dampers mounted in said passages movable to closed position to seal



said lateral openings and to open position to constitute with said deflector members exterior air compressing and ejecting means for the exterior air passing through said passages intermediate said dampers and deflectors.

2,203,445

BALANCER FOR LADDERS

Henry Schwarz and Charles A. Eilers, Montague, Mich.

Application May 29, 1939, Serial No. 276,434
1 Claim. (Cl. 228—67)



The combination with a ladder of an inverted U-shaped frame having transverse rungs, pivotal connections between the ends of the frame and the top of the ladder through the medium of which the frame may be extended above the ladder, a frame forming a wall rest pivoted to the upper end of the ladder, said frame having side members extended beyond its pivots and provided with notches adapted to receive one of the rungs of the inverted U-shaped frame, the weight of the wall rest frame on the opposite side of the pivots thereof from the notches holding the wall rest frame in position to lock the inverted U-shaped frame in operative position.

2,203,446

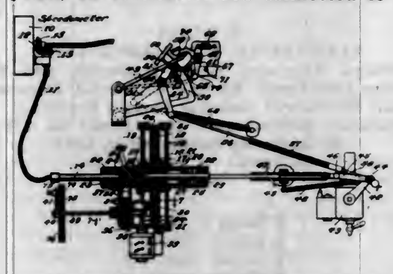
SPEED GOVERNOR AND DRIVING CONTROL FOR AUTOMOTIVE VEHICLES

Charles V. Shearer, Capitan, N. Mex.

Application June 5, 1939, Serial No. 277,568
1 Claim. (Cl. 137—139)

In a speed governor for automotive vehicles,

the combination of a carburetor having a throttle lever, a governor rod, a spring connected to the throttle lever and constantly tending to hold the throttle lever open, a member connected to the throttle lever and telescopically receiving the free end of the governor rod, a spring controlled accelerator pedal, a bell crank lever connected to the pedal, an accelerator rod connected to the



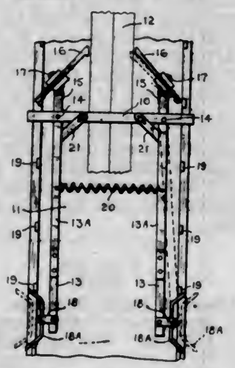
bell crank lever, a member connected to the throttle lever telescopically receiving the accelerator rod, said accelerator rod being adapted to be retracted from the last named member when the pedal is depressed to permit the throttle lever to be adjusted by the first named spring to a limit determined by the position of said governor rod when the latter is telescoped into the first named member.

2,203,447

BRICK FORMING MACHINE

Albert Frederick Stavenow, Arnprior, Ontario, Canada

Application October 6, 1938, Serial No. 233,667
2 Claims. (Cl. 25—1)



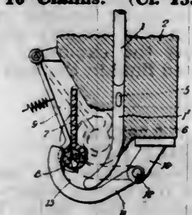
1. In a brick making machine, the combination of a conveyor belt for carrying a column of clay, a frame mounted above said belt including a transverse bar, a pair of arms pivotally mounted intermediate their ends to the transverse bar above said conveyor to swing in a plane parallel to the plane of said conveyor belt, said arms being disposed one on each side of the column of clay, gouging tools mounted on one end of said arms adapted to be moved into and out of engagement with the column of clay, resilient means normally holding said arms to disengage said gouging tools from the column of clay, cam members on the opposite ends of said arms, and means carried by said conveyor belt at spaced intervals adapted to engage said cam members to actuate said arms intermittently to move said gouging tools into operative engagement with the clay column.

2,203,448

APPARATUS FOR ATTACHING SLIDE FASTENER LOCKING MEMBERS TO FLEXIBLE TAPES

Albert Süsskind, Berlin-Wilmersdorf, Germany

Application April 29, 1938, Serial No. 205,103
In Germany April 30, 1937
10 Claims. (Cl. 153—1)



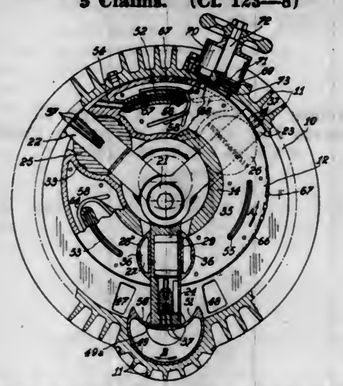
1. In a machine for attaching metal locking members to the bulbed edge of a flexible tape or stringer to form slider fasteners, a guiding and shaping block for producing locking members from strip metal of a suitable cross section, a rocking arm for holding said stringer at intervals in position in said block, a pivotable jaw adapted for bending the projecting end of said strip metal round said bulbed edge, means for shaping the locking member produced from said strip metal, and means for cutting off the shaped locking member from said strip metal.

2,203,449

INTERNAL COMBUSTION ENGINE

Maurice Tips, Brussels, Belgium

Application March 11, 1939, Serial No. 261,337
In Belgium March 18, 1938
5 Claims. (Cl. 123—8)



1. In an internal combustion engine of the rotary piston type: a stator; a rotor mounted eccentrically for rotating tangentially to the said stator at a point of the inner cylindrical wall of the latter; piston blades pivoted about the axis of the stator; radial slots in the rotor; guides rotatably mounted across the said slots for slidably guiding the said blades; inlet and exhaust openings in the walls of the stator; a rotary separator driven in synchronism with the said rotor to seal the said inlet and exhaust openings with respect to each other and shaped to allow the passage of the said blades; combustion chambers provided in the rotor each between a pair of successive blades; working chambers formed by the rotor and the stator surfaces between each pair of successive blades; passages in the rotor, at least one per combustion cham-

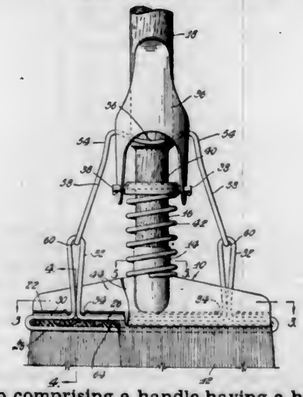
ber, connecting each combustion chamber with the corresponding working chamber and opening near the leading end of the latter, each combustion chamber being in the form of an annular sector having its arcuate end faces lying each in one of the end walls of the rotor and forming therein oblong arcuate slots; means for admitting compressed fluid into the combustion chamber about to ignite, towards the end of the compression period of the engine; and electrical means for causing the explosion of the carburetted compressed fluid in the said combustion chamber.

2,203,450
PILE FABRIC
Alfred Wright, Philadelphia, Pa., assignor to J. Harris Warthman, trustee
Application April 22, 1937, Serial No. 138,447
4 Claims. (Cl. 26—69)



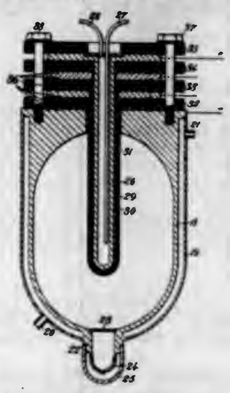
1. The process of finishing a cut pile face of a textile fabric which includes wetting the threads of which the pile face is composed, laying said wet threads all in one direction over the pile face of the fabric, and bending said fabric at an angle to the normal plane of the fabric to cause groups of the wet laid threads to loosen and rise from the positions in which they had been previously laid.

2,203,451
MOP
Arthur M. Anderson, Chicago, Ill.
Application July 27, 1937, Serial No. 156,007
1 Claim. (Cl. 15—152)



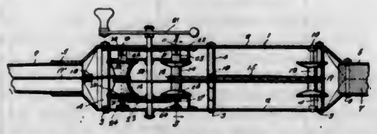
A mop comprising a handle having a head provided with a trough, said trough comprising spaced side walls interconnected by a bight having openings, said side walls converging in the direction of said bight, a swab folded to provide a bight, a holder for the swab, said holder comprising a wire bent to provide two parallel reaches, the bight of the swab being pinched between said parallel reaches, one of said parallel reaches being bent to provide a pair of loops extending through said openings, and tensioning means connected with said loops and co-operable on the handle and said head for drawing the bight of the swab into pressure relation with said side walls with said spaced parallel reaches spaced from the walls.

2,203,452
ELECTRONIC DISCHARGE TUBE
Bernhard Berghaus, Berlin-Lankwitz, and Wilhelm Burkhardt, Berlin-Grunewald, Germany; said Burkhardt assignor to said Berghaus
Application December 17, 1938, Serial No. 246,432
In Germany December 24, 1937
4 Claims. (Cl. 250—27.5)



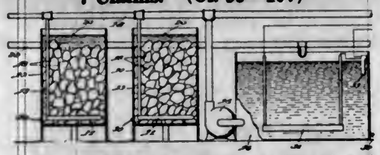
1. An electronic discharge tube comprising, a housing providing one electrode for the tube and containing an ionizable gaseous medium, a hollow electrode arranged within said housing and extending therefrom, means for sealing said hollow electrode with respect to said housing, means for supplying a cooling medium to said electrodes, and a control grid mounted within the housing covering one of said electrodes and spaced therefrom at such a small distance as to prevent ionization of the gaseous medium in the space between the control grid and the electrode covered thereby.

2,203,453
REEL
Albert J. Bond, Brazoria, Tex.
Application November 9, 1938, Serial No. 239,710
1 Claim. (Cl. 242—84.5)



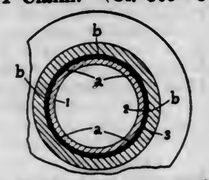
In a reel for fishing rods, a frame, a spindle rotatably mounted in said frame, a reeling spool rotatable and endwise movable on said spindle, means operative to rotate said spindle including a crank operated gear drive embodying a gear fast on the spindle, toothed coacting slip clutch devices on said gear and spool, respectively, adapted under endwise movement of the spool in one direction to permit slipping of said spool on said spindle, and settable means for variably tensioning said spool against such endwise movement.

2,203,454
METHOD FOR LEACHING MEAT
William W. Bowers, Chicago, Ill., assignor to Wilson & Co., Inc., a corporation of Delaware
Application September 8, 1938, Serial No. 229,001
7 Claims. (Cl. 99—107)



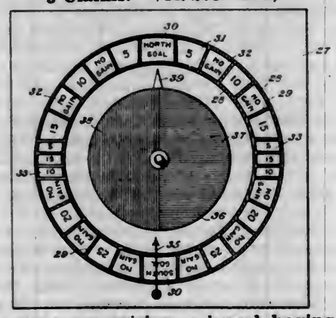
1. The method of leaching and thawing frozen meat which comprises immersing the frozen meat in a brine bath, continuously removing brine from the bath and supplying fresh brine thereto at a relatively higher temperature, and circulating the warmer brine uniformly upwardly about the meat while maintaining substantially uniform horizontal temperature conditions in the bath.

2,203,455
PISTON
Roland Claude Cross, Combe Down, England
Application October 4, 1938, Serial No. 233,276
In Great Britain October 12, 1937
1 Claim. (Cl. 309—5)



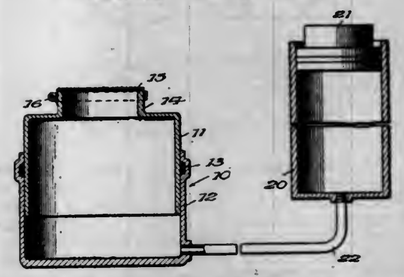
Anti-slap piston means, comprising, a piston having a plurality of separate annular grooves, a plurality of separate compressible packing rings each having free end portions and formed of drawn spring steel wire sections bent into annular non-circular shape, said rings when seated in the grooves of the piston, having the portions which are not true arcs of a circle in relatively non-registering relation vertically of the piston face to engage the cylinder at angularly spaced points, said grooves being of a radial depth smaller than the radial thickness of the rings whereby the rings are caused to take the bearing load of the piston in the cylinder.

2,203,456
GAME
Arnold C. De Milt, Neenah, Wis.
Application September 20, 1938, Serial No. 230,865
3 Claims. (Cl. 273—141)



1. A game comprising a board having separated indicia thereon, a spinning disk, rotatably associated bearing means for the disk and secured thereto and the board respectively, lines on said disk and dividing the same into visually distinguishable areas, a pointer carried by the disk to identify any of the board indicia when the disk comes to rest, a stationary pointer fixed to the board to identify a particular area on the disk when the latter comes to rest, so that upon rotation of the disk the plays of the game are determined by the pointers in conjunction with the board indicia and the disk areas.

2,203,457
STENCILING APPARATUS
Jakob Dichter, Berlin-Schoneberg, Germany
Application September 6, 1938, Serial No. 228,640
In Germany September 18, 1937
3 Claims. (Cl. 101—114)



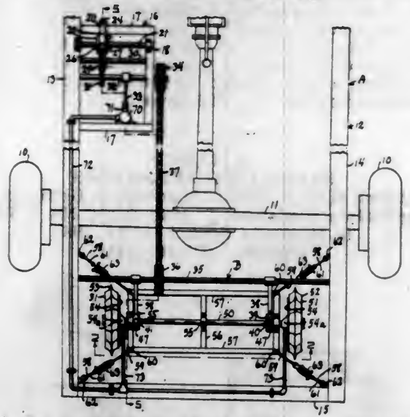
1. In an apparatus for applying fluid coloring material to glass and similar ware, a receptacle for holding the material comprising a pair of hollow members, one telescoped within the other and relatively movable thereto, said one member having an open mouth, a stencil secured to said one member over said mouth, and means for imposing a pressure on the material in said receptacle to force the material against the stencil but insufficient to force the material through the stencil.

2,203,458
BOWLING ALLEY
Robert Federer, Sheboygan, Wis.
Application December 26, 1939, Serial No. 311,043
1 Claim. (Cl. 273—51)



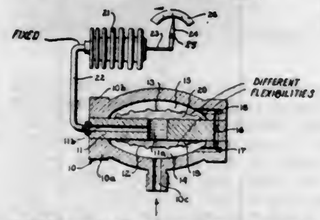
A portable bowling alley comprising a floor composed of a plurality of longitudinally extending strips placed on edge and connected together, a gutter at each side of the floor, side walls at the outer sides of the gutters, cross beams passing under the floor and gutters and connected with the side walls, said side walls and cross beams having their bottom edges in the same plane, a pit at the rear end of the floor, a return chute connected to the outer face of a side wall of the pit and a side wall of the floor, said pit having side walls forming continuations of the first mentioned side walls and extending to a greater height than the latter, said pit having a rear wall of equal height with the pit side walls, and triangular members at the rear corners of the pit and connecting the side and end walls to form braces for the walls and seats for an attendant.

2,203,459
NONSKID AND BRAKING DEVICE FOR VEHICLES
Manuel J. Espelta, Franklinville, N. J.
Application May 25, 1939, Serial No. 275,733
8 Claims. (Cl. 188—5)



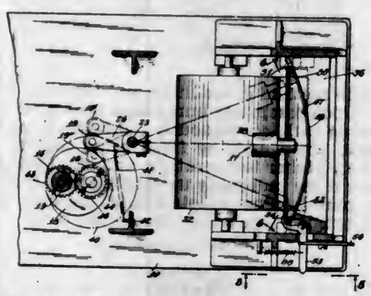
1. In combination with a vehicle structure, spaced members provided with slots, hanger rods extending loosely through said slots for swinging and sliding movement relative to said spaced members, bearings pivotally connected to said hanger rods, spring means urging said spaced members and bearings apart, an axle mounted for rotation in said bearings, spaced wheels mounted for rotation on said axle, a frame fixed on the axle and including sections at opposite sides of the axle, resilient means connecting said opposite sections to the vehicle structure, and means for vertically adjusting said frame to engage or disengage said wheels with the ground.

2,203,460
APPARATUS FOR MEASURING FLUID PRESSURE
Karl Wilfrid Fieber, Berlin-Charlottenburg, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application March 8, 1938, Serial No. 194,678
In Germany April 19, 1937
1 Claim. (Cl. 73—110)



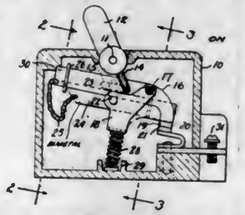
In a pressure indicator, two concave plates comprising a casing and defining a pressure chamber, a disc member having a central bore and being interposed between said concave plates, membranes secured to either side of said disc member and enclosing a pressure agent, one of said membranes being adapted to respond to pressures of one range within said chamber, the other of said membranes being adapted to respond to pressures of another range within said chamber, and means responsive to said pressure agent for indicating the distortion of said membranes.

2,203,461
CONTINUOUS SHEET FACSIMILE SYSTEM
William G. H. Finch, Spuyten Duyvil, N. Y.
Application February 3, 1937, Serial No. 123,770
11 Claims. (Cl. 178—11)



1. Mechanism for maintaining a sheet in arcuate alignment for line-by-line scanning comprising a flat flexible plate; an arcuate member substantially coextensive with said plate, the sheet being placeable between said plate and said member; and means for pressing said plate against said sheet to cause said sheet to continuously conform with said arcuate member transversely across the sheet and to frictionally engage said sheet between said plate and member.

2,203,462
CIRCUIT BREAKER
William H. Frank, Detroit, Mich.
Application February 28, 1938, Serial No. 192,997
13 Claims. (Cl. 200—88)



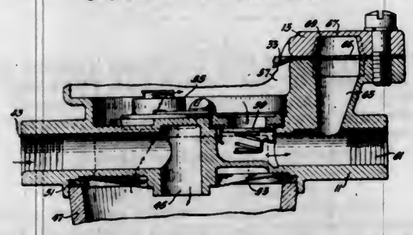
1. A circuit breaker comprising two adjacent pivotally connected contact arms, one of which is formed as a circuit condition responsive trip control latching element having an inherent characteristic to move in response to circuit conditions, the parts being so constructed and positioned that the latching element is interlocked to the other contact arm when the latching element is under normal circuit influence and releases itself from such other contact arm when the latching element is under abnormal circuit influence, so as not to be interlocked to such other arm, a spring arranged to act on the unit formed of said arms when these are interlocked relatively, and a handle arranged for acting on the unit formed of said arms, when these are interlocked relatively, the arms being arranged to be interlocked and thus move as a unit during normal circuit conditions and to be free of one another and thus move separately and relatively during abnormal circuit conditions, the arms having contacts at one set of adjacent ends.

2,203,463
SUCTION CLEANER
Dale C. Gerber, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 23, 1938, Serial No. 203,758
5 Claims. (Cl. 74—230.6)



3. A self-cleaning belt pulley, comprising an integral body having an axial bore extending therethrough, a belt engaging surface on said integral body, slots extending transversely of said belt engaging surface and communicating with said bore, one end of said bore being adapted for connection to a shaft to completely close said one end of said bore, said shaft cooperating with said slots and bore to define angular paths for flow of air therethrough, rotation of said pulley causing air to flow through said paths to thereby remove foreign material from said slots.

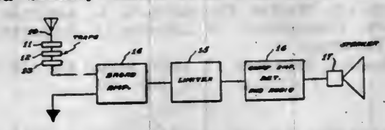
2,203,464
PUMP
Gordon W. Harry, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 1, 1938, Serial No. 199,491
5 Claims. (Cl. 103—150)



1. In a fuel pump, a body member formed with a pump chamber and a valved outlet therefrom, a second member secured to said body member, a flexible diaphragm between said body member and second member over said pump chamber to vary the volume of said pump chamber, said body member having a recess in communication with said outlet, said second member having a pocket opposite said recess, a flexible diaphragm clamped between said members and separating said recess and pocket, said diaphragm and pocket forming a sealed chamber to act as a pulsator.

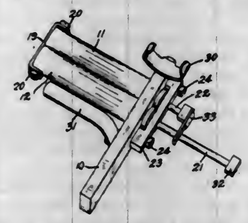
2,203,465
NOISE REDUCTION SYSTEM
Vernon D. Landon, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1938, Serial No. 210,581
5 Claims. (Cl. 250—20)

3. In a noise reduction system, a signal amplifying channel comprising, in combination, a broadly tuned signal section followed by a sharply tuned signal section, signal limiter means interposed between said sections, means for tuning said second named section to a predetermined signal frequency, and means external of said broadly tuned section for minimizing in



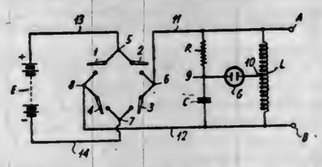
said broadly tuned section signals at frequencies other than said predetermined signal frequency.

2,203,466
STEEL FOR HAWAIIAN GUITARS
Victor Joseph Lawrence, Brentwood, Pa., assignor of one-half to Howard Scott, Wilkinsburg, Pa.
Application March 11, 1939, Serial No. 261,362
8 Claims. (Cl. 84—319)



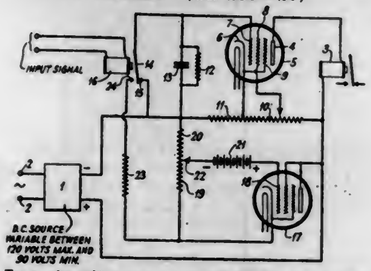
1. A steel for a Hawaiian guitar having a plurality of strings comprising a plurality of metallic members biased into alignment to present a straight-edged steel for applying to the strings and means for actuating the metallic members out of alignment to cooperate in controlling the pitch of the notes produced on the strings.

2,203,467
ARRANGEMENT FOR CONVERTING DIRECT CURRENT INTO ALTERNATING CURRENT
Alfred Leifer, Berlin-Karlshorst, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany
Application April 19, 1938, Serial No. 202,891
In Germany April 21, 1937
5 Claims. (Cl. 175—364)



1. A converter device of the mechanical type for converting direct current into alternating current, comprising a source of direct current, an output load, switching means adapted to alternately connect the positive and negative terminals of the source to the opposite terminals of the load, a series connection of a resistance and a condenser connected in shunt to the load, a glow tube connected between the common terminal of said condenser and resistance and an intermediate point on the load, the arrangement being such that with the opening of the switch means and the incident decrease of the voltage applied to the load, the difference between the condenser voltage and a fixed percentage of the load voltage is so impressed upon the glow tube that the same will be ignited.

2,203,468
REGULATOR FOR TIME DELAY CIRCUITS
Herschel B. Martin, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 12, 1938, Serial No. 190,233
7 Claims. (Cl. 250—27)



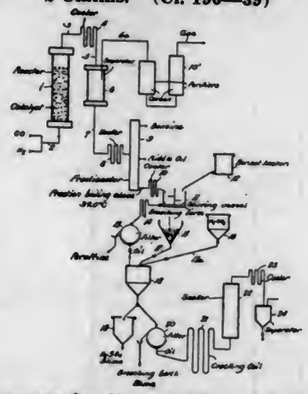
1. In a circuit arrangement having a time-delay constant, a source of operating potentials, an electron discharge device having input and output circuits, said input circuit having a grid biasing source and a shunt combination of capacitor and resistor in circuit between the cathode and control grid of said discharge device, relay-actuated means for normally short-circuiting said shunt combination while maintaining a cut-off bias on said control grid, said means being operable in response to a signal for removing the short-circuit and for causing said capacitor to be charged and for slowly shifting the bias on said control grid to a less negative value, and means operable in dependence upon variations in the potential of said source for regulating the time delay constant of said capacitor-resistor combination, thereby to bring said discharge tube to a conductive state after a predetermined delay following the signal response of the first said means.

2,203,469
TEST LAMP
Orwar S. A. Mesch, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 2, 1938, Serial No. 222,638
1 Claim. (Cl. 240—2.18)



A device of the character above described, comprising a tubular handle of insulating material, a sleeve of conducting material, a sleeve of insulating material disposed in end-to-end relation with said conducting sleeve and secured to said handle, a sleeve of insulating material disposed in concentric relation in said conducting sleeve, a core in the last-mentioned sleeve, said core and said conducting sleeve having means for connection with the ends of incoming electrical wires, a lamp in said handle, a helical spring having one of its ends engaging one electrode of said lamp and its other end engaging said conducting sleeve for electrically connecting said conducting sleeve to said electrode and normally holding the other electrode of said lamp disengaged from the adjacent end of said core, a knob adjustable longitudinally of said handle for moving said lamp against the tension of said spring in engaged relation with said core for energizing said lamp, said second-mentioned sleeve and said conducting sleeve having registering portions held interengaged by the tension of said spring, and a light conducting element carried by said knob.

2,203,470
CRACKING HYDROCARBON MIXTURES
Mathias Pier, Heidelberg, and Friedrich Christmann, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application July 21, 1937, Serial No. 154,752
In Germany July 29, 1936
2 Claims. (Cl. 196—39)



1. A process for the cracking of hydrocarbon mixtures, boiling above 250° C., which are substantially free from asphalts, sulphur and nitrogen compounds, and which result from the reduction of carbon monoxide which comprises pretreating such hydrocarbon mixture with a refining agent having an acid reaction and then subjecting the mixture to cracking.

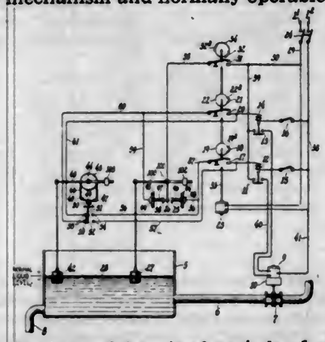
2,203,471
BINDING AGENT FOR FOUNDRY CORES AND METHOD OF MANUFACTURE THEREOF
Philip A. Ray, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 5, 1938, Serial No. 200,129
12 Claims. (Cl. 22—188)

1. A binding agent for foundry sand cores comprising essentially the reaction product obtained by cooking together gasoline-insoluble resin derived from pine wood and a substance selected from the group consisting of glyceride oils and the fatty acids derived therefrom, at a temperature and for a period of time sufficient to obtain compatibility of the ingredients, emulsified in disperse phase in water with an emulsifying agent.

2,203,472
APPARATUS FOR REGULATING A CONDITION
Edwin X. Schmidt, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 23, 1938, Serial No. 192,188
4 Claims. (Cl. 137—68)

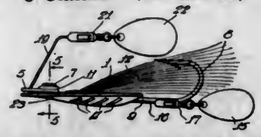
1. In a liquid level controlling system, in combination, a tank, a source of supply of liquid for said tank, a valve adjustable toward fully open or closed position to vary the rate of supply of liquid to said tank, means for discharging liquid from said tank in accordance with the rate of demand therefor, a float operable in response to variations in the level of liquid within said tank, a reversible electric motor adapted when energized to effect adjustment of said valve in reverse direc-

tions selectively, switch mechanism subject to control by said float and normally operable upon attainment of a predetermined maximum or a predetermined minimum level of liquid within said tank to initiate operation of said motor in one direction or the other to effect closing or opening adjustments, respectively, of said valve, power driven cam means associated with said switch mechanism and normally operable to limit



said motor to predetermined periods of operation and inoperation alternately whereby said valve is moved in a step-by-step manner toward closed or fully open position, and a second float operable in response to a change in the direction of variation in the level of liquid within said tank to initially render said cam means ineffective, whereby the degree of adjustment of said valve toward closed or fully open position is substantially increased per unit of time.

2,203,473
FISH LURE
Jesse M. Shannon, Chicago, Ill.
Application August 2, 1937, Serial No. 156,988
8 Claims. (Cl. 43—39)



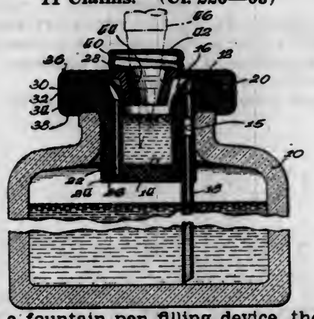
1. A fish lure consisting of a spoon shaped plate arranged at the head end for attachment to a line, and provided with a hook member having a shank extending from the head end rearwardly from the tail end and terminating in a hook, said plate having a plurality of slots through the same at each side of the central axis, the respective slots on each side of said axis being substantially parallel with one another and transverse to the slots on the other side of said axis.

2,203,474
COMPARTMENT DRAWING BOARD
John L. Stenquist, Baltimore, Md.
Application April 11, 1938, Serial No. 201,249
6 Claims. (Cl. 45—131)



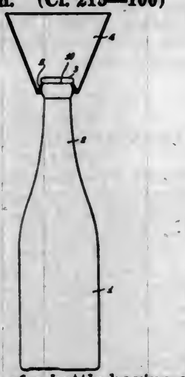
1. A compartment drawing board of substantially the thickness of an ordinary solid drawing board, the same comprising a shallow box and a cover having a drawing surface, a spring clamp at the rear of the box adapted to yieldably depress the rear edge of the cover, the compartment having means for engaging the rear edge of the cover and clamping the edge of the paper thereon, and to be closed by rocking into engagement with the top of the box to close the same the box having a rear wall forwardly of said spring clamp on which the rear portion of the cover rests and about which it is rocked, and fastening means for the board at the front of the box.

2,203,475
FOUNTAIN PEN FILLING DEVICE
Owen R. Terry, Evanston, Ill.
Original application February 12, 1936, Serial No. 63,648. Divided and this application October 25, 1938, Serial No. 236,878
11 Claims. (Cl. 226—63)



1. In a fountain pen filling device, the combination of a body engageable within the neck of an ink bottle, a diaphragm member having its peripheral edge held rigidly relative to said body and having an apertured pen seat formed at its center, means to limit upward movement of the central portion of said diaphragm, an inlet conduit for supplying ink from said bottle to said well and adapted to be closed by said member, a discharge conduit connecting said well and said bottle, and a check valve normally closing said discharge conduit.

2,203,476
BOTTLE MOUTHPIECE
Frank W. Trabold, Detroit, Mich., assignor of ninety-five one-hundredths to Andrew Mahoney and Jay J. Rosenthal, both of Detroit, Mich.
Application August 27, 1937, Serial No. 161,307
1 Claim. (Cl. 215—100)



The combination of a bottle having a neck with an opening in the end thereof, said neck having

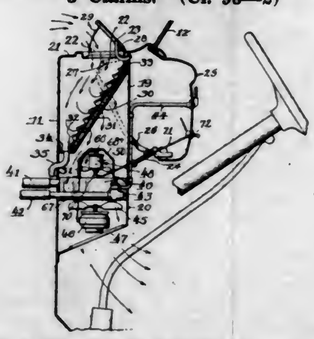
two circumferential beads of arcuate cross section adjacent said opening and correlated to form a groove at the juncture thereof, and a detachable mouthpiece therefor comprising a mouth portion of frusto conical form and an inner part of frusto conical form with the small base of the mouth portion integrally united with the large base of the inner part, said inner part engaging a peripheral portion of the bead farthest remote from the opening and extending convergingly from its point of connection with the mouth portion toward the opening in the neck and into the groove between the two beads and having its end in abutting relation with the other bead, said inner part comprising the sole means for supporting the mouthpiece on the bottle.

2,203,477

VENTILATING SYSTEM FOR AUTOMOBILES

Nils Erik Wahlberg, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland

Application February 10, 1938, Serial No. 189,755
3 Claims. (Cl. 98—2)



2. In a ventilating system for car bodies, a casing having a variable-opening air inlet facing forwardly of the car to entrain exterior air while the car is in motion and a discharge opening communicating with the car body, an air filter in said casing below the air inlet, manual control means for varying the effective size of said air inlet opening, a heat interchanger and an electrically driven air fan in said casing below said filter, circuit connections for said air fan, and switch means in said fan motor circuit connections including a rotating element of the anemometer type disposed in the casing and automatically responsive to variations in air velocity produced by said entrained air and said fan to cut off the fan when the velocity exceeds a predetermined rate.

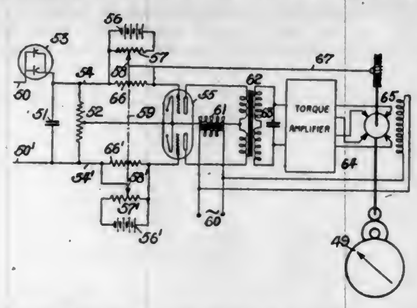
2,203,478

DATA TRANSMISSION AND CONTROL SYSTEM

Horace H. Willis, New Rochelle, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application April 21, 1936, Serial No. 75,531
Renewed October 3, 1939
4 Claims. (Cl. 172—239)

1. In a data transmission and control system, a variable frequency transmitter for producing electric signal impulses of changing frequency to correspond to changes in data transmitted, a variable frequency receiver for receiving said signal impulses, said receiver having means for visually indicating the data transmitted, a two wire transmission system interconnecting said transmitter and receiver for transmitting said signal impulses to the latter, and a positional control servo system connected to said receiver to be controlled therefrom, said servo system comprising amplifier tube means fed from said receiver and operating to produce a control potential capable of 180° phase shift, a phase sensitive torque amplifier connected for receiving said control potential, and a servo motor controlled from said torque amplifier.

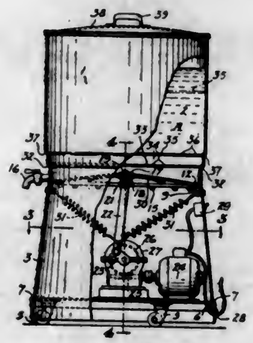


2,203,479

WASHING MACHINE

Wallace J. Witwer and Albert C. Bunyan, Cleveland, Ohio, assignors to The B. W. B. Company, Cleveland, Ohio, a corporation of Ohio

Application March 5, 1937, Serial No. 129,238
10 Claims. (Cl. 68—190)



1. In a washing machine, a washing chamber for containing a washing liquid, the bottom of said chamber comprising an elastic, deformable diaphragm, said diaphragm normally assuming a substantially flat plane position, a reciprocable member rigidly secured to a central portion of the diaphragm and arranged to alternately stretch and deform the diaphragm upwardly and downwardly to raise and lower the washing liquid in the chamber and cause an agitated and turbulent movement thereof, said reciprocable member including a disclike supporting element secured solely at the center thereof to the diaphragm and arranged to underlie a substantial portion of the diaphragm and reinforce the diaphragm against the weight of the washing liquid, the supporting element having a diameter at least substantially half that of the diaphragm, and means for reciprocating the member.

2,203,480

PICKLING AND CLEANING DEVICE FOR STRIPS OF SHEET METAL

Frank J. Wood, Riverside, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application May 13, 1937, Serial No. 142,357
2 Claims. (Cl. 266—3)



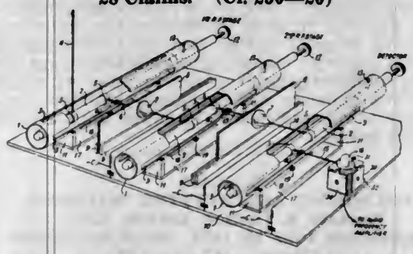
1. In a continuous pickling and cleaning device for strip metal, a pickling tank, a leveler at the entering end of said tank, said leveler being adapted to push the metal into said tank and including a plurality of leveling rolls through which the metal is adapted to pass, squeegee and cleaning rolls at the other end of said tank, and power driven means extending along said tank for conveying the sheet metal therealong between said leveler and squeegee and cleaning rolls including a plurality of transversely disposed power driven rollers arranged along said tank in skewed relationship with respect to the sides thereof so that alternate rollers are horizontally inclined in opposite directions.

2,203,481

CONCENTRIC LINES AND CIRCUITS THEREFOR

Paul D. Zottu, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 21, 1937, Serial No. 121,500
28 Claims. (Cl. 250—20)



1. Ultra short wave apparatus comprising an electron discharge device having an input electrode and an output electrode, an input circuit comprising a tuned section of concentric line and an output circuit comprising another tuned section of concentric line parallel to said first section, each of said sections of line having a slot in the outer conductor along the length thereof for enabling a connection to the inner conductor at various points throughout its length, said device being located between said tuned circuits and having said input electrode coupled to the inner conductor of said input circuit and said output electrode coupled to the inner conductor of said output circuit, whereby the lengths of the connections between input and output circuits and said device are a minimum.

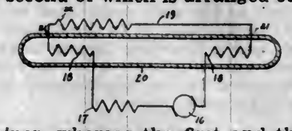
2,203,482

GASEOUS CONDUCTION LAMP

Focsaneanu Alexander, New York, N. Y., assignor, by mesne assignments, to Argco Tube and Television Corporation, a corporation of Delaware

Application January 27, 1931, Serial No. 511,516
3 Claims. (Cl. 176—122)

1. A gaseous conduction lamp comprising a gas container, three electric resistance elements in series, the second of which is arranged outside of said container, whereas the first and third elements are comprised in the electrodes in the lamp and serve to heat the electrodes.

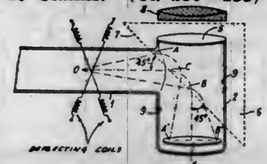


2,203,483

CATHODE RAY TUBE

George Baldwin Banks, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application January 15, 1937, Serial No. 120,706
In Great Britain January 24, 1936
10 Claims. (Cl. 250—153)



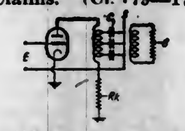
3. An electronic device comprising a first cylindrical envelope, an optical end wall at one end of said envelope, a target electrode at the other end of said envelope, a second cylindrical envelope joined to the first cylindrical envelope intermediate the optical end wall and target, an electron gun structure positioned within and at the unjoined end of the second envelope and beyond the confines of said first cylindrical envelope, the axis of said electron gun coinciding with the axis of said second envelope, both of said axes being perpendicular to the axis of the first cylindrical envelope, and means for establishing an electromagnetic field of constant intensity intermediate the target and end wall, the direction of said field being perpendicular to the axis of both of said cylindrical envelopes.

2,203,484

AMPLIFIER LINEARIZED BY NEGATIVE FEEDBACK

Hermann Bendel, Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemenstadt, near Berlin, Germany, a corporation of Germany

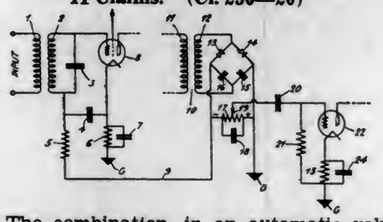
Application December 4, 1936, Serial No. 114,175
In Germany December 12, 1935
4 Claims. (Cl. 179—171)



1. In an amplifier circuit, an electronic tube provided with an anode, a cathode and a grid electrode, an input circuit for said tube including a pair of input terminals one of said terminals being connected to the grid electrode, an output circuit for said tube comprising a connection between the cathode and ground and a connection between the anode and ground, said last named connection including a coupling coil and a feedback resistance in series whereby one end of the feedback resistance is grounded, a connection between the other of said input ter-

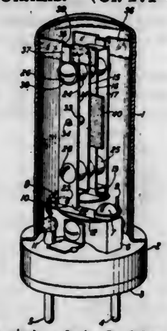
minals and the ungrounded end of the feedback resistance, a utilizing circuit, means including a coil coupled to the first mentioned coil for coupling the utilizing circuit to the output circuit of said tube, and a shielding means interposed between said two windings, said shielding means being connected to the ungrounded end of said feedback resistance.

2,203,485
VOLTAGE DOUBLER CIRCUIT
Lawrence Cranmer Bentley, London, England, assignor to Electric & Musical Industries, Ltd., Hayes, Middlesex, England, a British company
Application March 1, 1934, Serial No. 713,507
In Great Britain March 7, 1933
11 Claims. (Cl. 250—20)



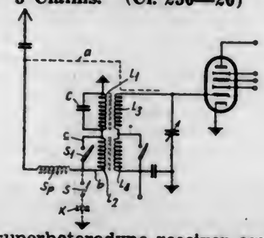
7. The combination, in an automatic volume control circuit for tuned high frequency receivers, of an amplifier in the tuned signal channel of said receiver, means to produce a unidirectional voltage for control of said amplifier, said means comprising a rectifier, and means to impress oscillations from said channel on said rectifier, said rectifier including means to produce a unidirectional voltage of substantially double the peak value of oscillations supplied thereto, and means to control the amplification of said amplifier in response to a portion of said unidirectional voltage greater than the peak value of said oscillations.

2,203,486
SUPPORTING MEANS FOR PIEZOELECTRIC PLATES
Walter L. Bond, Forest Hills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1938, Serial No. 248,437
8 Claims. (Cl. 171—327)



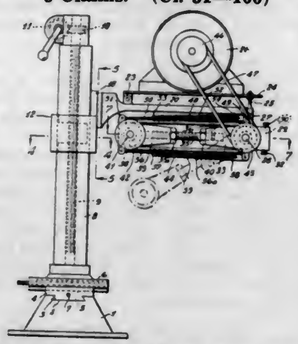
1. A piezoelectric plate holder comprising a resilient support, a pair of flexible structural members mounted thereon, individual means mounted on said structural members extending towards each other and adapted to engage opposite sides of the piezoelectric plate, and means holding said structural members in a fixed spaced relationship with respect to each other whereby the clamping pressure exerted by the plate-engaging means is maintained substantially fixed.

2,203,487
SUPERHETERODYNE RECEIVER
Rudolf Burgholz, Herten, Westphalia, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 15, 1938, Serial No. 202,179
In Germany April 16, 1937
3 Claims. (Cl. 250—20)



1. In a superheterodyne receiver arranged for operation over a first band of frequencies the images of which lie within a second band of frequencies, an antenna circuit for said receiver including means for providing said antenna circuit with a principal resonance frequency which is below said first band of frequencies, said last named means having inherent capacity which gives the antenna circuit a secondary resonance frequency which is higher than said first band of frequencies, means for insuring that said secondary resonance frequency falls below said second band of frequencies comprising additional capacity shunted across said inherent capacity in said antenna circuit, said additional capacity being sufficiently large so that together with said inherent capacity the secondary resonant frequency is reduced below the lower limit of said second band.

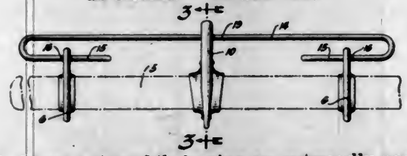
2,203,488
POLISHING AND BUFFING MACHINE
Gustave A. Carlson, Detroit, Mich.
Application June 30, 1938, Serial No. 216,696
8 Claims. (Cl. 51—166)



1. The combination of an arm mounted for oscillation about a fixed axis, a tool holding spindle mounted in said arm parallel to said axis, a pulley having a plurality of grooves concentric with said axis, a stationary motor support having a motor mounted thereon, means driving said pulley from said motor, means driving said spindle from said pulley, springing means supporting

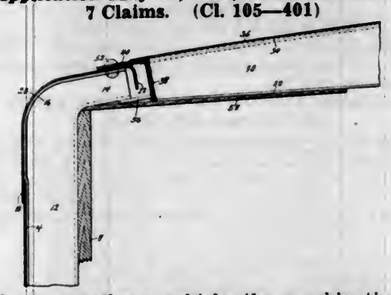
said arm against gravity at an angle with respect to the vertical, and springing means including the first named springing means opposing oscillation of said arm out of its selected position.

2,203,489
BUMPER GUARD
Scott R. Conwell, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 29, 1939, Serial No. 281,912
12 Claims. (Cl. 293—55)



1. In an automobile having an outwardly opening door, a bumper structure including a main impact bar, a vertical guard having its upper end normally positioned in the path of movement of said door, means mounting said guard on the main impact bar for displacement out of the path of door movement, a secondary impact bar also positioned normally in the path of door movement, means mounting the same on the main impact bar for displacement from said path and a connection between the secondary bar and said vertical guard for their action in unison.

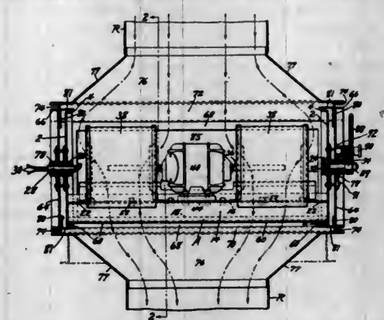
2,203,490
RAILWAY CAR FRAME
William F. Dietrichson, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application May 17, 1939, Serial No. 274,159
7 Claims. (Cl. 105—401)



1. In a railway vehicle the combination of side walls and end walls secured together, wall carried plates secured to said side and end walls and each formed by an upwardly and inwardly directed sheet of metal, said wall carried plates being secured together and forming an opening of less area and spaced inwardly on all sides from that inclosed by said side and end walls, a roof closing said opening and including roof carried side and end plates, and a roof sheet secured to said roof carried plates, said roof carried plates overlapping said wall carried plates and being secured thereto.

2,203,491
REVERSIBLE BLOWER UNIT
Herbert D. Euwer, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 13, 1937, Serial No. 153,310
15 Claims. (Cl. 230—42)

1. A reversible blower unit comprising in combination with spaced air ducts located substantially in alignment, a housing joining the air ducts to form a continuous duct, said housing having its longer axis disposed transverse to the longitudinal axis of the ducts, a drum in said housing and provided with head portions, means connecting the head portions at their edge portions and having supporting means secured thereto, a motor and blower assembly mounted on the supporting means, means to rotate said



drum and attached assembly to a plurality of pre-selected positions whereby the blower outlet will be directed toward one or the other of the said spaced air ducts and the blower inlet toward the remaining duct for reversal of air flow through the ducts, and sealing means carried by the drum heads and connecting means and interposed between the drum and housing to insure passage of air to the adjacent duct from the blower outlet.

2,203,492
DYED CELLULOSIC MATERIAL
John Gwynant Evans, Henry Alfred Piggott, Reginald John William Reynolds, John Donald Rose, and Eric Everard Walker, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 23, 1938, Serial No. 215,494. In Great Britain June 30, 1937
7 Claims. (Cl. 8—74)

1. A proceess for improving the fastness to water and aqueous treatments of dyeings made on cellulosic material by the use of direct dyestuffs which comprises treating the dyed material with a solution of an organic compound selected from the class consisting of carboxylic amides, substituted ureas and carbamates, said compound having the general formula

$$RR'R''N(X)—L—CO—NH_2$$

wherein RR'R''N as a whole represents the entire molecular structure of an amine selected from the class consisting of aliphatic secondary amines, heterocyclic secondary amines, aliphatic tertiary amines, mixed tertiary amines, and heterocyclic tertiary amines, X stands for an acid radical, and L stands for a divalent organic radical selected from the group:

$$—CH_2—,\ —CH_2CONH—,\ —CH_2CH_2NH—,\ —CH_2CH_2CH_2NH—,\ —CH_2CH_2O—,$$

and $—C_6H_4NH—$; and the formaldehyde condensation products of said carboxylic amides, substituted ureas, and carbamates, and then heating the treated fabric for a short time to a moderately elevated temperature sufficient to cause said organic compound to become fixed on the fabric.

2,203,493

TREATMENT OF CELLULOSIC MATERIAL

John Gwynant Evans, Henry Alfred Piggott, Reginald John William Reynolds, John Donald Rose, and Eric Everard Walker, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application June 23, 1938, Serial No. 215,495. In Great Britain June 30, 1937
6 Claims. (Cl. 8—120)

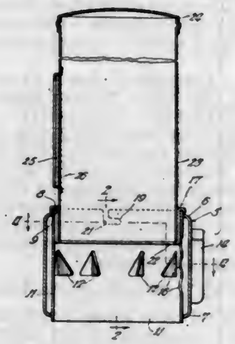
1. A process for enhancing the affinity of cellulosic material for acid wool dyestuffs and acid chrome dyestuffs which comprises treating the said material with a solution of an organic compound selected from the class consisting of carboxylic amides, substituted ureas, and carbamates, said compound having the general formula RR'R''N(X)—L—CO—NH_2 wherein RR'R''N as a whole represents the entire molecular structure of an amine selected from the class consisting of aliphatic secondary amines, heterocyclic secondary amines, aliphatic tertiary amines, mixed tertiary amines, and heterocyclic tertiary amines, X stands for an acid radical, and L stands for a divalent organic radical selected from the group: —CH_2—, —CH_2CONH—, —CH_2CH_2NH—, —CH_2CH_2O—, and —C_6H_4NH—; and the formaldehyde condensation products of said carboxylic amides, substituted ureas, and carbamates, and then heating the so impregnated material for a short time to a moderately elevated temperature sufficient to cause said organic compound to become fixed on the said cellulosic material.

2,203,494

CUP HOLDER AND DISPENSER

Harold Greenhill, Chicago, Ill.

Application September 30, 1937, Serial No. 166,631
1 Claim. (Cl. 312—43)



A dispensing holder for paper cups comprising a tubular base having a supporting bracket thereon, a cylindrical member mounted in said base and secured thereto, a plurality of inwardly extending radially disposed prongs formed integrally along a vertically disposed connection with and from the material of said member, said prongs having substantially straight lower edge portions positioned in substantially a common horizontal plane and having upper edge portions inclined inwardly and downwardly with respect to the interior of said cylindrical member.

2,203,495

NODULATED OIL FILTER

Herbert G. Kamrath, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 29, 1936, Serial No. 82,445
Renewed June 8, 1938
9 Claims. (Cl. 210—131)



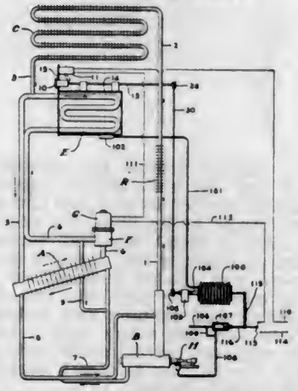
1. In a filtering unit for use in an oil circulating system comprising a container, oil inlet and oil outlet openings, a perforated column mounted in said container, a fabric closely surrounding said column, and a dried hard molded mass of filtering material comprising nodules of mineral wool mixed with a binder, said filtering material surrounding said column.

2,203,496

REFRIGERATION CONTROL

William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application June 28, 1937, Serial No. 150,690
16 Claims. (Cl. 62—5)



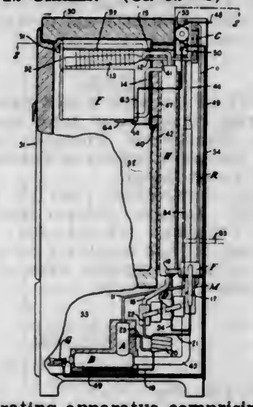
1. Defrosting apparatus comprising a defrosting switch mounted adjacent an evaporator, means normally urging said switch to closed circuit position, manually operable means for moving said switch to open circuit position, a latch finger on said manually operable means, a pivotally mounted latching arm positioned to engage said latch finger to hold said switch in open circuit position, means normally urging said latching arm to latching position, a thermostat positioned to be responsive to evaporator temperature, and means operative to transmit movement of said thermostat to said latching arm to disengage said latch finger.

2,203,497

REFRIGERATION

William H. Kitto and Arnold D. Siedle, Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 23, 1937, Serial No. 181,281
12 Claims. (Cl. 62—5)



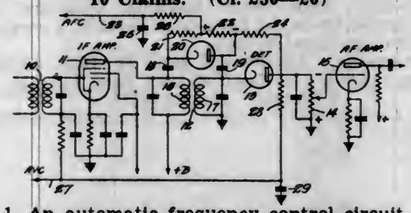
1. Refrigerating apparatus comprising a storage compartment, a window formed in the rear wall of said compartment, a cold-producing mechanism including a cooling unit adapted to be inserted into said compartment through said window, a closure member for said window carried by said cold-producing mechanism rearwardly of said cooling unit, and control mechanism for said cold-producing mechanism mounted on said closure member.

2,203,498

FREQUENCY DISCRIMINATING NETWORK

Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1937, Serial No. 166,495
10 Claims. (Cl. 250—20)



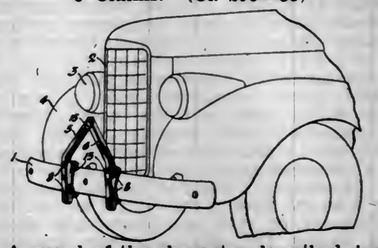
1. An automatic frequency control circuit responsive to an amplitude modulated carrier wave including a transformer provided with primary and secondary windings, a detector connected with said transformer to produce a unidirectional potential component which is substantially independent of the frequency of the impulses supplied to said circuit, means connected with said transformer to produce a unidirectional potential component which varies with change in said frequency, and means providing a series connection between said last-named means and said detector for deriving the resultant of said potential components and the amplitude modulation output.

2,203,499

GRILLE GUARD

John L. Koubek and Horace A. Taylor, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 21, 1938, Serial No. 186,018
5 Claims. (Cl. 293—55)



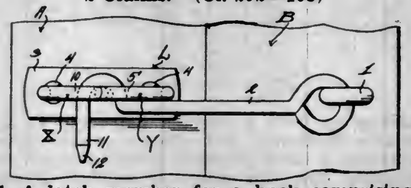
1. A guard of the character described, including a pair of channel section members, having at adjacent ends web extensions turned laterally for seating relation to each other, with the side flanges ending short of the ends to provide clearance for access to the fastening connection between said lateral extensions.

2,203,500

DOOR AND WINDOW LATCH

Jack C. Loggins, Marlin, Tex., assignor of one-half to Thomas G. Glass, Marlin, Tex.

Application July 20, 1939, Serial No. 285,593
2 Claims. (Cl. 292—108)



1. A latch member for a hook comprising a shank, means for mounting the shank for rotary movement, rigid loops carried by the shank and extending in opposite directions therefrom, each of said loops having outer arms substantially in parallelism with the shank, one of said arms being adapted to contact the hook to hold the same against release from the shank.

2,203,501

ADHESIVE

Adolf Menger, Krefeld-Uerdingen, Germany, assignor, by mesne assignments, to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware

No Drawing. Application December 16, 1938, Serial No. 246,065. In Germany October 9, 1934
3 Claims. (Cl. 260—6)

1. An adhesive comprising an acid-reacting hardening agent, and an aqueous solution containing a quantity of a bilateral formaldehyde-urea condensation product and up to an approximately equal quantity of blood albumen.

2,203,502

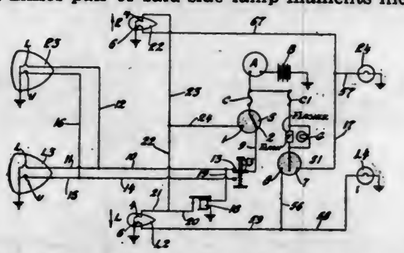
SIDE LAMP ARRANGED FOR BEAM AND TURN INDICATION

Clarence A. Michel, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 24, 1936, Serial No. 107,320
1 Claim. (Cl. 177—329)

An indicating lighting system for dirigible road

vehicles comprising: a pair of headlamps, a pair of side lamps one closely adjacent each side margin of the vehicle and a pair of rear lamps, a source of electrical energy, and means subject to manual control for actuating said head, side and rear lamps to indicate the anticipated manoeuvring of the vehicle embracing such conditions as parking, turning, vehicle approach and passing, said last mentioned means consisting of a pair of incandescent filaments in each headlamp, one for producing a high beam and the other for producing a low beam said high beam filaments being energized from a common branch circuit and said low beam filaments being energized from another branch circuit which branch circuits are selectively energizable from a common trunk circuit, a major and a minor incandescent filament in each side lamp visible from the front of the vehicle, an incandescent filament, in each rear lamp, and selector switch means for simultaneously energizing either one or the other only of said major side lamp filaments in conjunction with a respective one or the other only of said rear lamp filaments, for energizing either the high or the low pair of filaments of said headlamps and for energizing the minor pair of said side lamp filaments inde-



pendently or with a selected pair only of the headlamp filaments, said selector switch means comprising a three-position switch element for connecting one, the other, or neither of said major side lamp filaments (as well as a respective one, the other or neither of said rear lamp filaments) with said source of electrical energy, a second three-position switch for selectively directly connecting either the minor side lamp filaments or said headlamp trunk circuit with said source of electrical energy, a two-position switch element for connecting one or the other branch circuit to said trunk circuit, means including an automatic unidirectional relay for energizing said minor side lamp filaments from said headlamp trunk circuit only when said two-position switch effects energization of said low beam handicap branch circuit and precluding feed-back into said low beam branch circuit when said second three-position switch element is set for direct energization of said minor side lamp filaments, and a flashing element in circuit with said first-mentioned three-position switch element for insuring effective turn signalling from the major filaments of said side lamps even when the minor filaments of both side-lamps are energized from said low beam headlamp branch circuit through said relay.

2,203,503

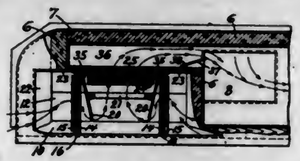
AIR INTAKE AND FILTER

Ralph G. Nichols, St. Charles, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application November 27, 1934, Serial No. 754,982

12 Claims. (Cl. 98—13)

6. An air conditioning assembly comprising, an air conditioning unit having an extension, a combined air intake and filter device having a screen protected inlet, a wall common to said extension



and device, a filter in said wall through which the air leaving the device will pass directly into the extensions.

2,203,504

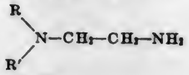
MANUFACTURE OF NEW UREA DERIVATIVES

Henry Alfred Piggott and John Donald Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application June 10, 1938, Serial No. 213,080. In Great Britain June 11, 1937

3 Claims. (Cl. 260—294)

1. A process for the manufacture of new urea derivatives which comprises causing an amine having the general formula:



wherein the grouping



as a whole stands for the radical of a secondary amine selected from the group consisting of heterocyclic secondary bases and secondary amines in which R and R′ represent radicals selected from the group consisting of alkyl radicals, cycloalkyl radicals, and aralkyl radicals to react with a reactive derivative of urea selected from the group consisting of nitrourea and carbamyl chloride.

2,203,505

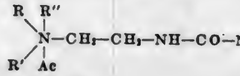
QUATERNARY AMMONIUM COMPOUND

Henry Alfred Piggott and John Donald Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application June 10, 1938, Serial No. 213,081. In Great Britain June 11, 1937

7 Claims. (Cl. 260—294)

1. A quaternary ammonium compound of the formula:



wherein the grouping



as a whole stands for the radical of a secondary amine selected from the group consisting of heterocyclic secondary bases and secondary amines in which R and R′ represent radicals selected from the category consisting of alkyl radicals, cycloalkyl radicals, and aralkyl radicals, R″ stands for a radical selected from the group consisting of aliphatic radicals and aralkyl radicals,

and Ac represents an anion of an acid selected from the group consisting of inorganic acids and organic sulphonic acids.

2,203,506

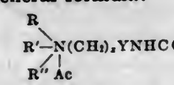
NITROGEN-CONTAINING ORGANIC COMPOUND

Henry Alfred Piggott and John Donald Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

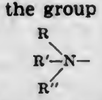
No Drawing. Application June 13, 1938, Serial No. 213,516. In Great Britain June 18, 1937

9 Claims. (Cl. 260—295)

1. Quaternary ammonium urea derivatives having the general formula:



in which formula the group



as a whole represents the entire molecular structure of a heterocyclic tertiary amine, Ac denotes an anion; x represents one of the numbers 1, 2, and 3; and Y denotes a bridging group selected from the category consisting of



2,203,507

LUBRICANT AND METHOD OF LUBRICATION

Theodore G. Roehner, Malverne, and Emmett S. Carmichael, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application December 11, 1937, Serial No. 179,256

7 Claims. (Cl. 87—9)

1. A lubricant composition comprising in excess of 50% of a heavy mineral oil fraction, not more than about 20% of palm oil and not more than about 20% of substantially "non-corrosive" sulphur-containing extreme pressure lubricant bases.

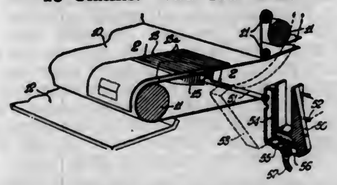
2,203,508

CONVEYER CONTROL DEVICE

Morris Rosenthal, Chicago, Ill.

Application September 5, 1939, Serial No. 293,425

13 Claims. (Cl. 198—232)



1. Control mechanism for use with a conveyer including a driving motor, said mechanism comprising a plurality of circuit breakers connected in a control circuit for said motor and arranged in normally closed circuit condition to effect operation of said motor, the connections in said control circuit being such that the same can be opened to stop said motor only when all of the circuit breakers are moved into open circuit condition, and a plurality of magnetic control members corresponding in number to the number of circuit breakers and each arranged for movement from a normal position to move one of said circuit breakers into open circuit condition, and means mounting said magnetic control members in a predetermined spaced relation with respect to each other and in close proximity to said conveyer to be moved out of said normal position as a result of magnetic forces between the same and traveling control means carried on the conveyer, and a traveling magnetic control member including a magnetic substance arranged to extend over an area relative to the spacing of said first-mentioned magnetic control members to effect movement of all of the latter out of normal position so that all of said circuit breakers will be operated as a group.

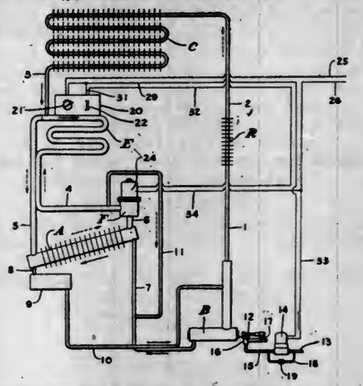
2,203,509

CONTROL FOR REFRIGERATION SYSTEMS

Arnold D. Siedle and William H. Kitto, Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application June 16, 1937, Serial No. 148,442

26 Claims. (Cl. 62—5)



10. Refrigerating apparatus comprising a boiler, a condenser, an evaporator and an absorber connected to form an absorption refrigerating system, a source of heat for the boiler, means for circulating an inert gas in the system, a thermostat rigidly attached to the top of said evaporator at one end, means controlling the operation of said heat source and inert gas circulating means positioned to be actuated by the free end of said thermostat, manually set means operative to discontinue operation of said inert gas circulating means, latch means operative to hold said manually set means in position to discontinue operation of said gas circulating means and positioned to be moved to unlatching position by said thermostat when the evaporator reaches a defrosting temperature.

2,203,510

METHOD AND MACHINE FOR MAKING PAPER CUPS

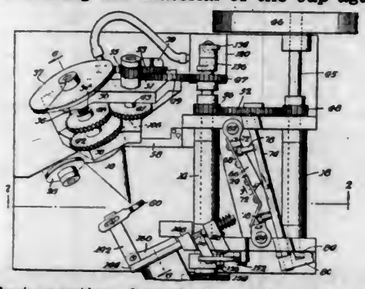
Harold J. Smith, Riverside, and Carl B. Bild, Chicago, Ill., assignors, by mesne assignments, to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware

Application December 13, 1934, Serial No. 757,250

24 Claims. (Cl. 93—36.2)

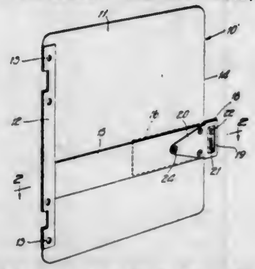
1. In a cup forming mechanism, the combination with a pair of rotatable conical members rotatable about axes in substantially the same

plane but at such an angle with respect to each other as to maintain opposed elements of their conical faces substantially parallel to each other, one of said conical members constituting a form upon which the cup is shaped and the other of said conical members constituting a presser member for holding the material of the cup against



said first mentioned conical member, means for moving one of the conical members longitudinally of the axis thereof after the cup is formed, in a direction away from the vertex of the angle formed by the axes of said cones, whereby the surfaces of said cones are separated, whereafter the cup may be ejected off the cone on which the cup is formed.

2,203,511
INDEX SHEET
Arthur A. Tait, Plainfield, N. J.
Application April 6, 1939, Serial No. 266,296
4 Claims. (Cl. 129—16.8)



1. An index comprising a flexible index sheet, a flexible reinforcing element flatly secured to said sheet and extending substantially entirely thereacross from the indexing edge thereof to provide a reinforced portion extending inwardly from the indexing edge, and a metal index tab secured to the reinforced portion at the indexing edge of said sheet.

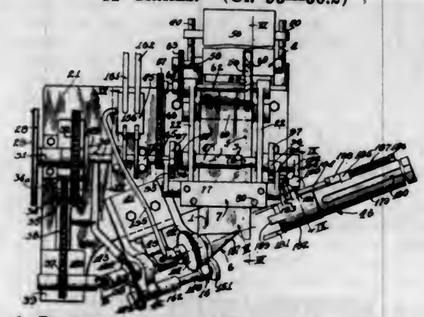
2,203,512
MAGNETIC CHUCK
Floyd J. Wesemann, Herscher, Ill.
Application February 23, 1939, Serial No. 257,898
2 Claims. (Cl. 175—367)

2. A magnetic chuck comprising a middle pole piece and left and right pole pieces adjacent the sides of said middle pole piece but magnetically insulated therefrom, said pole pieces being of magnetizable material and terminating at their upper faces in a common plane for supporting a work piece of magnetizable material, two permanent magnets below said pole pieces, each magnet comprising an upwardly extending pole arm and a laterally extending pole arm, the upwardly extending pole arms of said magnets normally engaging with said middle pole piece and the laterally extending pole arms of said magnets normally engaging against the lower ends of said left and right pole pieces respectively whereby two magnetic flow circuits are formed including a work piece on said pole pieces for holding said work piece to the pole pieces, and means for effecting simultaneous swing of said magnets for disconnection of their upwardly ex-



tending and laterally extending arms from said middle pole piece and left and right pole pieces respectively whereby to open said magnetic flow circuits and for engaging their upwardly extending pole arms with the left and right pole pieces respectively at points near the upper ends of said pole pieces whereby to effect reversal of polarity at said points for ready removal of the work piece from the pole pieces.

2,203,513
APPARATUS FOR AND METHOD OF MAKING CONTAINERS
Walter E. Amberg, Chicago, Ill., assignor, by mesne assignments, to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
Application January 15, 1936, Serial No. 59,218
41 Claims. (Cl. 93—36.2)

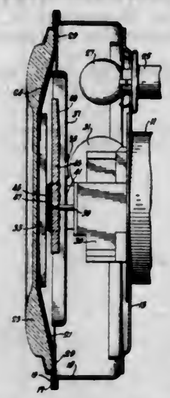


1. In a container making machine, a forming mandrel, a similarly shaped roller in such proximity thereto that a blank may be gripped therebetween, feeding means arranged to deliver a strip of stock directly to said mandrel and roller, driving means to continuously operate said mandrel and roller at a greater speed than said feeding means, and cutting means between said feeding means and said mandrel arranged to sever a blank from said strip contemporaneously with the time when the forward end of said strip is gripped between the mandrel and roller.

2,203,514
SPEEDOMETER
Elbridge F. Bacon, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 26, 1937, Serial No. 161,089
6 Claims. (Cl. 240—2.1)

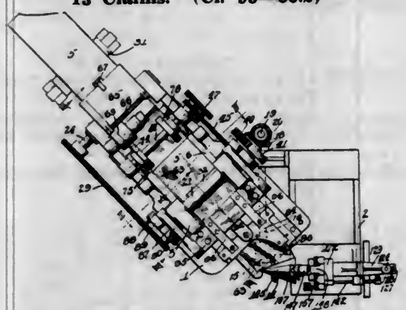
1. An indicating instrument comprising a

housing, a light source therein, spaced inner and outer opaque plates having overlapping regions to prevent direct transmission of light from said source, the outer of said plates having an enlarged opening, a fixed transparent disc in front of said outer plate and having spaced reflecting markings adapted to receive light from said source, movable means between said opaque plates, said movable means being in part transparent and provided with a region to receive light



from said source said movable means also constructed to reflect light to an observer through said first mentioned transparent disc, a second indicating device having movable elements located within said housing, the inner one of said opaque plates having an opening whereby said last named elements may be seen through said opening, said transparent movable means, the opening in the outer of said opaque plates and through said first mentioned transparent disc.

2,203,515
CONTAINER MAKING MACHINE
Cesare Barbieri, New York, N. Y., assignor to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
Application October 5, 1936, Serial No. 104,035
13 Claims. (Cl. 93—36.2)



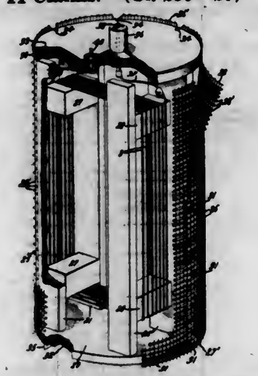
1. In a conical cup making machine, cup forming means arranged to grip the forward edge of a stock strip, feeding means arranged to feed a substantially continuous stock strip into said forming means, and cutting mechanism arranged to sever a conical cup blank from said strip after the forward edge of the strip has been gripped by said forming means, said cutting mechanism including a cutting element shaped to sever a complete conical cup blank from said strip.

2,203,516
METAL RADIO TUBE
James E. Beggs, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 29, 1937, Serial No. 182,285
1 Claim. (Cl. 250—27.5)



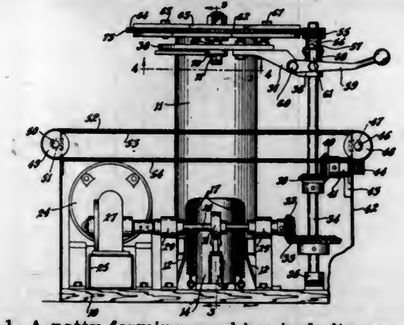
An electron discharge device comprising a metal envelope containing a plurality of electrodes including a cathode and an anode of elongate configuration, a framework supporting said electrodes, said framework including a pair of spaced metal disks extending transversely of said electrodes and secured together by a plurality of metal rods extending parallel to said electrodes, a pair of oppositely disposed strips of insulating material secured to said disks and extending in the same direction as said rods, said anode being constituted of a pair of arcuate members electrically connected together and symmetrically arranged about the cathode, said members being secured respectively to said strips.

2,203,517
RADIO RECEIVER
James E. Beggs, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 28, 1938, Serial No. 210,673
11 Claims. (Cl. 250—20)



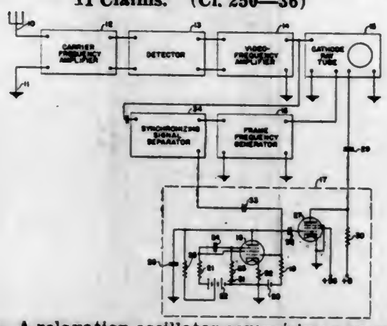
4. In combination, a housing comprising end portions of conducting material and side walls joining said end portions, said side walls comprising insulated conductors conductively joined together only at one point in the length thereof, whereby the interior of said housing is electrostatically shielded from space, and a loop antenna within said housing, the response of said loop antenna being confined by said housing to electromagnetic fields in space, said loop being wound upon a form having a lateral portion supporting said end walls apart to form said housing, said housing being arranged for rotation with said loop.

2,203,518
PATTY FORMING MACHINE
Fredrick C. Bauer, Seville, Ohio
Application September 19, 1938, Serial No. 230,643
5 Claims. (Cl. 107—8)



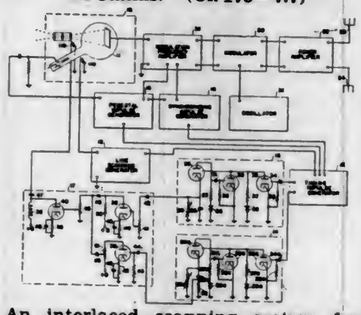
1. A patty forming machine including an upright cylinder, an ejection piston movable therein, a spaced pair of plates at the upper or discharge end of the cylinder, a rotatable forming plate having a sliding fit between said plates, and provided with patty forming openings extending entirely therethrough, the lower plate of said spaced pair having an opening adapted to successively register with each of said patty forming openings, one side of the forming plate extending beyond said spaced plates whereby patties formed in said openings will drop therefrom by gravity, said spaced plates and forming plate being hinged as a unit upon the cylinder, and means for moving said piston upwardly and simultaneously rotating said forming plate.

2,203,519
PERIODIC WAVE GENERATOR
Madison Cawein, Manhasset, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application October 7, 1937, Serial No. 167,710
11 Claims. (Cl. 250—36)



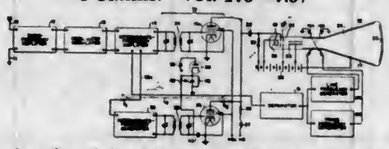
11. A relaxation oscillator comprising a vacuum tube having a cathode, a control grid, a screen grid, a suppressor grid and an anode, a circuit between said cathode and said anode consisting of a resistor and a source of voltage in series, said source being so poled as to apply a positive voltage to said anode, a circuit between said cathode and said screen grid consisting of a resistor and a source of potential in series, said second source being so poled as to apply a positive voltage to said screen grid, a circuit between said cathode and said suppressor grid consisting of a resistor and a third source of potential, said third source being so poled as to apply a negative potential to said suppressor grid, a condenser connected between said screen grid and said suppressor grid, and a grid resistor connected between said control grid and said cathode, the voltage applied to said screen grid being substantially greater than the voltage applied to said anode.

2,203,520
TELEVISION SYSTEM
Madison Cawein, Manhasset, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application October 29, 1937, Serial No. 171,607
14 Claims. (Cl. 178—7.7)



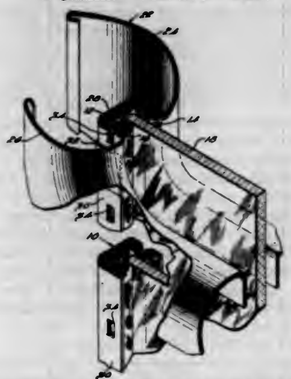
1. An interlaced scanning system for television apparatus comprising means for deflecting the ray to scan the target of the apparatus in a given direction including means for generating a periodic saw-tooth wave of a predetermined line-scanning frequency, means for deflecting the ray to scan the target in a second direction normal to said given direction including means for generating a periodic saw-tooth wave of a predetermined field-scanning frequency related to said line-scanning frequency, and means for tracing a plurality of fields of parallel lines on said target while avoiding the appearance of moving waves in the reproduced television image comprising means for periodically modifying the action of said last-named deflecting means in cycles having a period at least four times as long as that of said field-scanning frequency to displace said fields in said second direction in irregular sequence.

2,203,521
MODULATED-CARRIER WAVE-SIGNAL-TRANSLATING SYSTEM
Madison Cawein, Manhasset, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application November 12, 1938, Serial No. 239,981
4 Claims. (Cl. 178—7.5)



1. A signal-translating system comprising, means for translating a first carrier wave of a predetermined frequency and modulated in one polarity by signal components, means for generating a second unmodulated-carrier wave of said predetermined frequency but substantially 180 degrees out of phase with respect to said first wave, means responsive to variations in the amplitude of said first carrier wave and independent of its signal modulation for controlling said generating means to maintain the ratio of the peak amplitudes of said first and second waves substantially constant, and means for combining said first and second waves to derive a third carrier wave of said predetermined frequency modulated by said signal components in a polarity opposite to that of the modulation of said first wave.

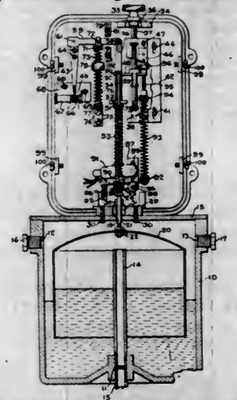
2,203,522
WEATHER STRIP AND MOUNTING THEREFOR
Noble C. Clark, Ferndale, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application October 11, 1937, Serial No. 168,385
1 Claim. (Cl. 296—44.5)



A sealing strip forming a glass run guide in a metal channel in which inwardly presented tongues are struck from the wall thereof at spaced points, said strip including a base member of channel formation, projections on the flanges of said base member of more resilient and yieldable material than that of said base member, the outer faces of said projections being provided with longitudinal slots in which the tongues of said metal channel project.

2,203,523
PRESSURE CONTROLLER
Lewis L. Cunningham, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 15, 1935, Serial No. 31,463
7 Claims. (Cl. 201—48)

2. In a device of the class described, an enclosed housing, an inverted bell in said housing, a rod carrying said bell and extending through said housing, sealing means for said rod, means for varying the pressure within said housing for moving said bell, a support mounted on said housing exteriorly thereof, a resistance carried by said support, a lever pivoted on said support and having a slider engaging said resistance, a link connecting said rod and said lever to move said slider with respect to said resistance upon movement of said bell, a spring connected at one end to said rod for urging said bell in one direction, adjusting means for said spring including a member secured to the other end of said spring and an adjusting screw for moving said member to vary the tension in said spring whereby the pressure required to move said slider may be varied, a lever pivoted to said support adjacent said rod, an adjustable spring urging said lever in one direction, a stop for limiting movement of said lever,

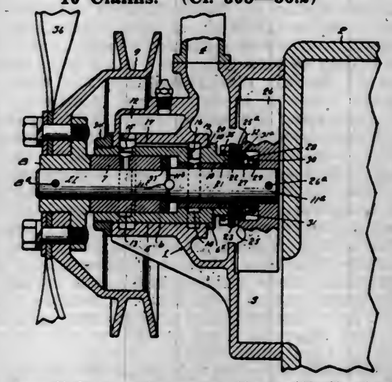


a switching mechanism carried by said lever, and an abutment carried by said rod to engage said lever to operate said switching mechanism.

2,203,524
MAKING SULPHONATED PRODUCTS
Bernard A. Dombrow, New York, N. Y., and Ralph M. Beach, Newark, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application March 2, 1937, Serial No. 128,600
18 Claims. (Cl. 260—400)

1. In a process for increasing the SO_3 content of sulphonated fatty acids, fatty glycerides and fatty derivatives, the step which consists in subjecting the sulphonated material to extraction with a fluid consisting of a halogenated organic solvent which fluid is a solvent for unsulphonated fatty material in the presence of sulphonated fatty material.

2,203,525
SEALING MEANS FOR SHAFTS
Samuel F. Dupree, Jr., Shaker Heights, Ohio
Application August 4, 1936, Serial No. 94,203
10 Claims. (Cl. 308—36.2)



1. A unit for use in connection with the bodies of pumps, said unit comprising a housing adapted to be removably fitted within a seat provided therefor in a pump body, bearings within said housing, a shaft within said bearings, a sealing

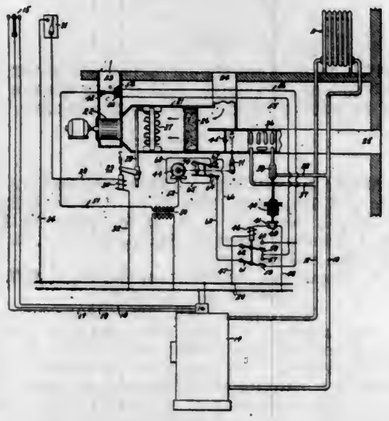
ring within said housing surrounding said shaft, a spring within said housing for exerting pressure against said ring longitudinally of said shaft, a sealing element having an annular surface surrounding said shaft within said housing and adapted to be engaged by the said ring, and means including said shaft for imparting relative rotary movement between the said ring and the said sealing element.

2,203,526

METHOD OF AND APPARATUS FOR CONTROLLING TEMPERATURE

Lomax Gwathmey, Baltimore, Md., assignor to General Electric Company, a corporation of New York

Application November 17, 1936, Serial No. 111,248
12 Claims. (Cl. 236—37)



1. In an air conditioning system for an enclosure provided with a selectively operable heating means adapted to supply said enclosure with heating medium and a conditioner including means for circulating air through said space, means for supplying said space with ventilation air, and means supplied with heating medium whenever said heating means is in operation for heating said ventilation air, the method of providing said space with an optimum amount of ventilation air under all conditions which includes diminishing the supply of ventilation air when the temperature of the air discharged into the space decreases below a predetermined minimum value and increasing the supply when the temperature increases above a predetermined maximum value when no heating medium is supplied to said enclosure and ventilation air heating means, and diminishing the supply of ventilation air when the temperature of the air discharged into the space increases above a predetermined maximum value and increasing the supply when the temperature decreases below a predetermined minimum value when heating medium is supplied to said enclosure and ventilation air heating means.

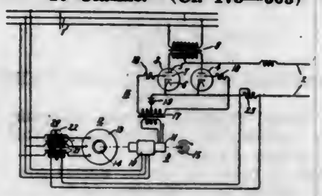
10. In a conditioning system utilizing a temperature changing medium, the combination including regulating means, thermal responsive means for controlling operation of said regulating means, and means responsive to the temperature of the temperature changing medium for reversing with respect to temperature the control of said thermal responsive means over said regulating means.

2,203,527

ELECTRIC CONTROL SYSTEM

Frederick A. Haigh, Rugby, England, assignor to General Electric Company, a corporation of New York

Application December 14, 1938, Serial No. 245,721
In Great Britain December 30, 1937
10 Claims. (Cl. 175—363)



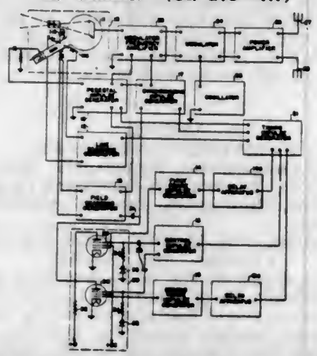
1. In combination, an alternating current circuit, a load circuit, electric translating apparatus connected between said circuits and comprising electric valve means of the type having a control member for controlling the conductivity thereof, a source of alternating current of substantially constant voltage, means for impressing on said control member an alternating voltage of variable phase displacement relative to the voltage of said alternating current circuit and comprising a phase shifting device having a movable member, an alternating current torque motor for positioning said member, and variable impedance means connected between said source and said torque motor for controlling the voltage impressed on said torque motor in accordance with a predetermined controlling influence.

2,203,528

TELEVISION SCANNING SYSTEM

Daniel E. Harnett, Tuckahoe, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application November 29, 1937, Serial No. 176,995
16 Claims. (Cl. 178—7.7)



1. In a television interlaced scanning system including means for developing a scanning beam, a target, and means for deflecting the beam to scan the target in two directions normal to each other, a scanning wave generator comprising means for generating a first periodic wave of a predetermined line-scanning frequency, means for generating a second periodic wave including cycles having trace and retrace portions and of a predetermined field-scanning frequency related to said line-scanning frequency, and means for tracing m-interlaced fields of parallel lines on said target, where m is an integer greater than three, while avoiding the appearance of moving

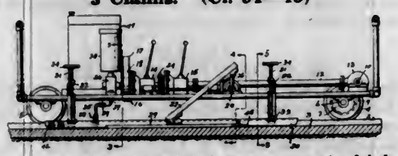
waves in the reproduced television image comprising means for periodically varying the durations of the trace portions of successive cycles of said second wave by an amount equal to an integral multiple of $1/m$th the period of said first wave in a predetermined cycle having a period m times that of said field-scanning wave to displace said fields in said second direction in irregular sequence.

2,203,529

STRIPING MACHINE

Christian M. Harvey, Zavalla, Tex., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Application May 5, 1938, Serial No. 206,212
3 Claims. (Cl. 94—45)



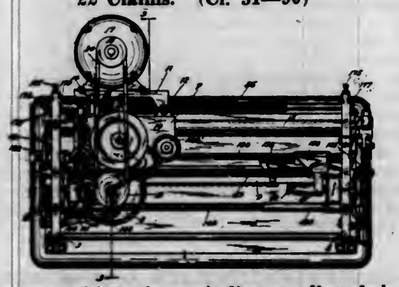
1. A machine for striping a concrete highway having a finished upper surface while in a plastic state, comprising a carriage spanning the roadway and adapted to be moved longitudinally of the roadway, spaced elongated guide members depending from the carriage and movable therewith and disposed parallel to the direction of movement of the carriage along the roadway and having substantially straight lower edges adapted to contact with the surface of the concrete so as to confine striping material therebetween and sharply define the margins of the stripe to be formed, an elongated trowel fitting between and adapted to be guided by the guide members longitudinally of the roadway, and means carried by said machine for reciprocating the trowel longitudinally between the guide members while the machine is being moved along the roadway.

2,203,530

ABRADING

Charles H. Kasch, Davenport, Iowa, assignor to H. C. Simmons, Davenport, Iowa

Application December 29, 1938, Serial No. 248,167
22 Claims. (Cl. 51—90)



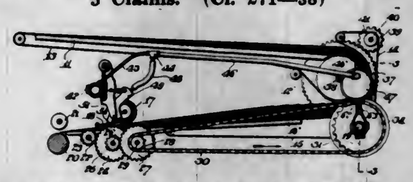
1. A machine for grinding scalloped bevel edges, comprising an abrading wheel, means for rotating said wheel, means for revolving said wheel about an axis substantially intersecting the axis of rotation of said wheel, means for positioning a work-piece with the portion to be ground substantially perpendicularly to the axis of revolution of said wheel and at a position along said axis and spaced therefrom a distance such that the periphery of said wheel forms an arcuate bevel in the edge of said work-piece, and means for relatively indexing the wheel and said work-piece, said work-piece in the region of grinding having the longitudinal extent thereof directed substantially tangentially of the orbit of said wheel, whereby to grind a series of arcuate bevels.

2,203,531

BANK FEED

Howard K. King, Philadelphia, Pa., assignor to Chambers Brothers Company, a corporation of Pennsylvania

Application October 20, 1939, Serial No. 300,309
5 Claims. (Cl. 271—38)



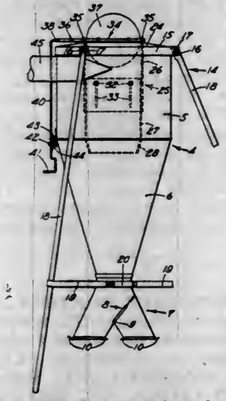
1. Means for feeding a bank of sheets comprising a rotatable drum, means for causing rotation of said drum, including a continuously rotating driving clutch element, and a driven clutch element adapted to have slipping engagement with the driving clutch element, pneumatically operated means for controlling the pressure of engagement of said clutch elements, and a sheet calipering device for controlling the pneumatic pressure.

2,203,532

CENTRIFUGAL SEPARATOR

Henry E. Korum, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application September 7, 1937, Serial No. 162,653
3 Claims. (Cl. 183—85)



1. In a centrifugal separator for separating suspended material from a fluid, the combination of a cylindrical chamber having a material discharge gate at the bottom thereof adapted to discharge a continuous flow of precipitated material and a portion of the fluid during operation, an intake duct, a fluid exhaust duct, and means comprising an independently controlled valve in said exhaust duct for controlling the proportions of fluid escaping through said material discharge gate and said exhaust duct for a given rate of flow of said fluid into said chamber.

2,203,533

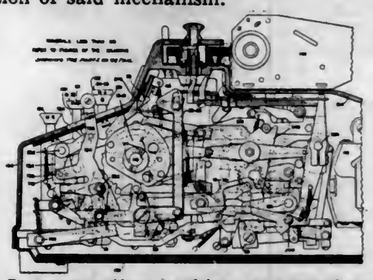
COMPUTING AND LISTING MACHINE

Walter W. Landsiedel, Norwood, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application February 3, 1934, Serial No. 709,604
14 Claims. (Cl. 235—60)

1. In an adding machine having an operating

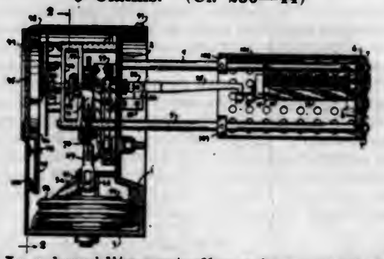
mechanism, the combination which includes a stop carriage provided with a rack, feed dogs for said rack, and an interlock between said feed dogs and said operating mechanism to assure that said dogs are in correct position during the operation of said mechanism.



4. In a computing machine for computing algebraic balances and which includes a register, actuators for said register, keys for controlling said actuators, operating mechanism, and means whereby said operating mechanism when functioning may set a predetermined element of the machine for subtraction, said means including a part normally in effective position, the combination which includes a part which signifies by its position whether or not a key has been operated, a part which signifies by its position whether the register contains a positive or a negative balance, and two deflecting devices for said normally effective part, one controlled by each of said signifying devices and either of which may deflect said normally effective part and render it ineffective, one in case a key has been operated and the other in case the register contains a positive balance.

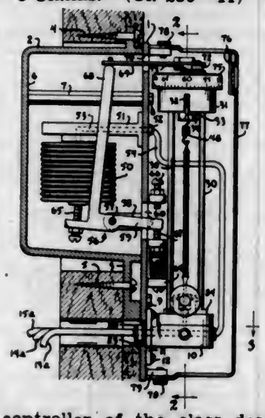
11. In a computing and recording machine having means for printing amounts, a register having a frame, and actuators for said register, said register movable to one position for positive operation and to another position for negative operation, the combination which includes a special type bar carrying designation types, and means on said registering frame acting in total taking operations to arrest said type bar in one and the other of two positions depending on which of the two said positions the register occupies at the time.

2,203,534
HUMIDITY CONTROLLER
John M. Larson, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 4, 1937, Serial No. 178,100
9 Claims. (Cl. 236—44)



7. In a humidity controller, a base member for mounting upon the wall of an air duct, a control device mounted upon said base member, a support structure extending rearwardly of said base member and adapted to be exposed to the air flowing through the duct upon which the base member is mounted, a first lever pivoted to said base member and adapted to actuate said control device, said lever also extending rearwardly of said base member, a humidity responsive device comprising an element adapted to change its dimensions upon a change in relative humidity, means for fixedly securing one portion of said element to said support structure in a manner to permit movement of another portion of said element, a support member fixedly mounted to said support structure and extending substantially parallel to said element, a second lever pivoted to said support member and engaging the movable end of said element for causing angular movement of said second lever upon movement of the movable portion of said element, said second lever being arranged for actuating said first lever to thereby cause actuation of said control device upon change in relative humidity.

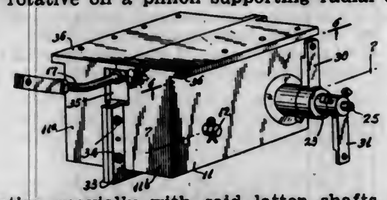
2,203,535
HUMIDITY CONTROLLER
John M. Larson, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 8, 1937, Serial No. 178,765
8 Claims. (Cl. 236—44)



5. In a controller of the class described, in combination, a support member, a lever arm having a portion substantially parallel to a portion of said support member, said lever arm being arranged to actuate a control device, a condition responsive device extending between the parallel portions of said support member and said lever arm for actuating said lever arm in accordance with changes in value of the condition to which said condition responsive device responds, and means for shifting said condition responsive device along said support member and said lever arm for adjusting the sensitivity of the controller.

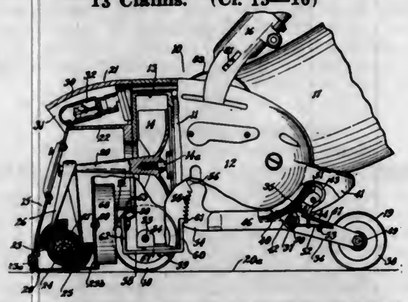
2,203,536
BRAKE EQUALIZER FOR AUTOMOBILES
Julius Macsicska, New York, N. Y.
Application August 26, 1939, Serial No. 292,042
5 Claims. (Cl. 188—204)

1. A brake equalizer for automobiles, comprising a hollow body, a main shaft mounted through one end of said body, a front gear differential mounted on said shaft and consisting of a pair of opposite bevel gears on the shaft and a pinion rotative on a pinion supporting radial arm on said shaft and meshing with said bevel gears, a brake rod connecting with said radial arm for moving said pinion, a link supporting radial arm mounted on each of said bevel gears, a link connected with each of said link supporting radial arms, a rear differential mounted on each of the side walls of said hollow body and each comprising a bevel gear mounted on a tubular shaft rotative through the side wall, an opposed bevel gear on a shaft extending through said tubular shaft, and a pinion rotative on a pinion supporting radial arm,



rotative coaxially with said latter shafts, and said pinion meshing with said opposed bevel gears, said links being pivotally connected with said latter named radial arm for moving said pinions of said differentials, and elements for working the brakes of a vehicle connected with the extended ends of said tubular and inner shafts.

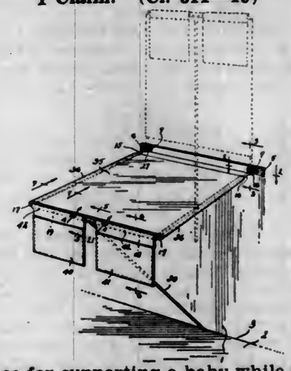
2,203,537
NOZZLE ADJUSTING CONSTRUCTION
Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application June 2, 1937, Serial No. 145,998
13 Claims. (Cl. 15—16)



1. In a suction cleaner, a suction nozzle having an entrance mouth, a fan for producing suction in said nozzle, means for adjusting the position of the mouth with respect to the surface to be cleaned so that proper cleaning suction can be obtained in the nozzle, and means operated by the suction in the nozzle when proper cleaning suction has been obtained therein for locking the adjusting means in the adjusted position coincident with the attainment of said proper cleaning suction.

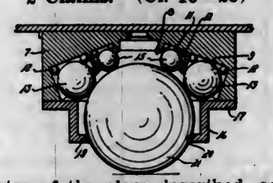
13. In a suction cleaner having a housing including a nozzle, an adjustable wheeled support for raising or lowering the housing, means operative through said wheeled support for raising the nozzle, said support including a member pivotally mounted on the housing provided with a rack bar having tapered teeth and a projecting stop tooth, means interposed between said member and housing normally urging said nozzle downward toward a surface to be cleaned, lock means including a pressure device and a toggle controlled lever operated to a position locking said toothed rack bar by the pressure device by and upon the attainment of a predetermined suction in the nozzle, said stop tooth engaging the toggle controlled lever at the limit of movement of said member in one direction to move the toggle controlled lever to its other position out of the path of travel of the rack bar teeth for subsequent operation by the pressure device.

2,203,538
BABY DRESSING TABLE
Paul F. Meilink, Grosse Pointe Farms, Mich.
Application April 12, 1938, Serial No. 201,580
1 Claim. (Cl. 311—19)



A device for supporting a baby while it is being bathed, given a change of clothing or otherwise handled, comprising a U-shaped frame, means pivotally connecting the free ends of the arms of the U to a wall or door, said U-shaped frame comprising two tubular members each with a substantially right angle bend therein and each having a portion extending toward the other to form the bight of the U, said portions terminating in spaced relation substantially in the center of the bight, a connector piece telescoping into the ends of said portions, a member pivotally disposed on the connector between the ends of said portions, a floor-engaging strut secured to said member, and a fabric bed supported in taut condition between the two arms of the U-shaped frame.

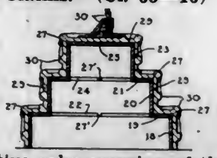
2,203,539
CASTER
Vlada Milich, Detroit, Mich.
Application October 18, 1937, Serial No. 169,564
2 Claims. (Cl. 16—26)



1. A caster of the class described, comprising: a supporting body having a conical recess formed in one of its faces, there being a plurality of concentric rows of elongated spaced recesses formed in the face of said conical recess and having their longitudinal axes parallel to each other and extended at an angle to the face of said conical recess and to the axis of said supporting body, the bases of said spaced recesses being planar and extended at an angle to the face of said conical recess, the recesses on the inner rows being smaller than the recesses on the outer rows; an antifriction member positioned in each of said recesses, said antifriction member substantially filling the recess in which positioned; a plurality of small antifriction members engaging the base of the recess and serving to retain the first-mentioned antifriction member inserted in the recess out of contact with the base of the recess; a spherical contact member engaging said first-named antifriction members and rotatable thereon; means for retaining said contact member in po-

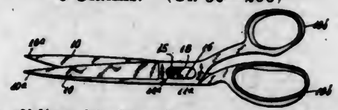
sition for engaging said antifriction members, said last-named means overlying the outer row of said antifriction members for retaining the same in their recesses.

2,203,540
WEDDING CAKE COVER
Bryan O. Montgomery, Kansas City, Mo.
Application October 23, 1936, Serial No. 107,235
3 Claims. (Cl. 65—16)



1. A decorative cake covering of the character described, comprising a sectional backing made up of a plurality of similarly shaped units each having a vertical peripheral wall portion and a top wall portion, said units being arranged in superposed relation to each other and decreasing in size from the lowermost of said units to the uppermost of said units to form a stepped hollow support and a decorative covering over the outer surface of said backing securing said units together.

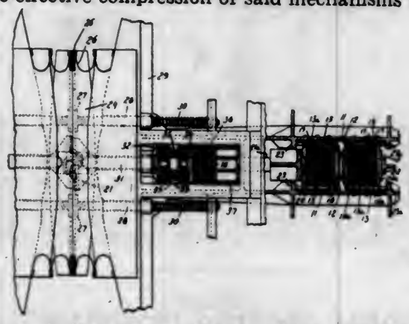
2,203,541
SLIDING BLADE SCISSORS
John Muserlian, New York, N. Y.
Application November 16, 1939, Serial No. 304,722
6 Claims. (Cl. 30—266)



1. A sliding blade scissors, comprising a pair of opposed cutting baldes of equal length having front pointed ends, handles on the rear ends of said blades, a pivot headed screw engaging through a socket receiving opening in the rear end of one of said blades and extending through a longitudinal slot in the other blade, a bushing slidably mounted in said slot and having a flanged head engaging the outer face of the slotted blade, said screw being threadedly engaged through said bushing and extending therefrom, a member turnably mounted on said extended end of said screw, a strip hingedly and resiliently mounted on said member and being urged towards said slotted blade, and a spring mounted on said strip and engaging in said slot and urging said blades into position in which said pointed ends are resiliently adjacent each other, whereby the member may be turned into a position in which said spring urges said blades into positions in which said pointed ends are resiliently held one to the front of the other.

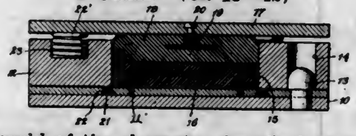
2,203,542
CUSHIONING MECHANISM
Harold D. Page, Flushing, N. Y., assignor to Waugh Equipment Company, New York, N. Y., a corporation of Maine
Application April 4, 1936, Serial No. 72,702
12 Claims. (Cl. 213—47)

4. The combination in a railway vehicle, such as a car or motive power unit, of a draft pocket on the vehicle structure, abutment means in said pocket, a pair of cushioning mechanisms in said pocket, each mechanism contacting at one end with said abutment means, a connecting element, the other ends of said mechanisms contacting with said element only, and a coupler attached to said element, said mechanisms containing resilient elements including rubber and being under effective compression, each mechanism resisting lengthwise movement of the coupler and element in one direction and undergoing compression while the other mechanism expands, such movements of the coupler and element being restricted only by the unit undergoing compression, the quantity of rubber in each of said mechanisms and the effective compression of said mechanisms be-



ing such that the resistance offered thereby to the movements of the coupler and element produced by forces occurring under normal operating conditions restricts said movements to an extent such that the expansivity of said mechanisms is at least as great as the greatest amplitude of lengthwise movement of said coupler and element from normal position, and the effective compression of said mechanisms is insufficient to affect said rubber detrimentally.

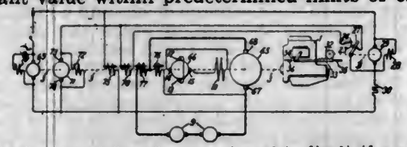
2,203,543
RUBBER HEEL MOLD
Manuel Pancorbo, New York, N. Y.
Application November 10, 1938, Serial No. 239,736
1 Claim. (Cl. 18—42)



A mold of the character described comprising a base plate, an intermediate plate and a top plate, said intermediate plate having an opening therein constituting a mold space and a seal of resilient material located in the base plate and engaged by the intermediate plate, said seal registering with the wall of the opening constituting the mold space in the intermediate member, and a resilient plunger on the upper plate adapted to enter the mold space and adapted to be expanded to fit the mold space when pressure is applied to the mold members and the article to be molded is in the mold space, and springs interposed between the upper plate and the intermediate plate so that when pressure is applied on the upper plate resilient pressure will be transmitted through to the intermediate plate to compress the seal in the base plate.

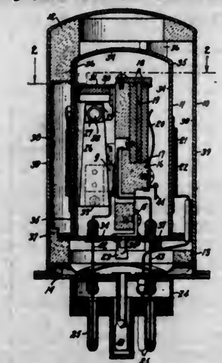
2,203,544
POWER SYSTEM
Joseph M. Pestarini, Turin, Italy
Application September 21, 1938, Serial No. 231,009
19 Claims. (Cl. 290—17)

1. An excitation system for a dynamo-electric machine including a field exciting winding, dynamo-electric means arranged to energize said field exciting winding, and means for varying the energization provided by said dynamo-electric means to regulate the power output of the dynamo-electric machine to a substantially constant value within predetermined limits of elec-



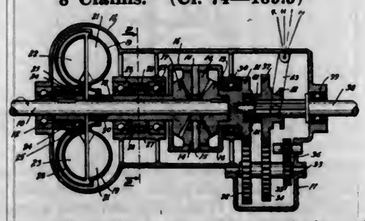
trical potential and current and to limit the electrical potential and current of said dynamo-electric machine to predetermined maximum values.

2,203,545
PIEZOELECTRIC DEVICE
Carl U. Peterson, Arlington, Va., assignor to General Electric Company, a corporation of New York
Application June 18, 1938, Serial No. 214,604
3 Claims. (Cl. 171—327)



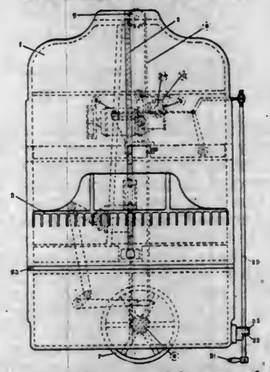
1. The combination, in a constant temperature housing for piezoelectric devices, of inner and outer nested containers, each having side walls and a pair of opposite end walls, means for supporting a piezoelectric device within said inner container, thermal insulating means arranged between said containers to maintain the side walls and one end wall of each of said containers in spaced relation, said outer container being hermetically sealed and the space between said containers being evacuated, and resilient means between the other end walls of said containers for maintaining said inner container pressed away from the other end wall of said outer container to maintain said means and said inner container in assembled relation within said outer container while allowing said inner container to expand and contract with changes in temperature.

2,203,546
FLUID DRIVE DIFFERENTIAL TRANSMISSION
Gurdon T. Pollard, Denver, Colo.
Application March 29, 1939, Serial No. 264,750
8 Claims. (Cl. 74—189.5)



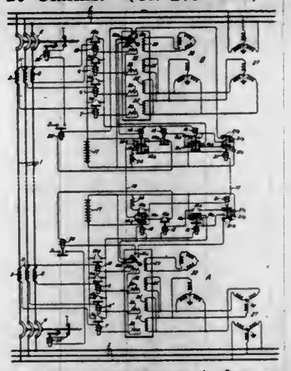
1. An automatic power transmission device comprising: a driven member; planet gears supported from said driven member about its axis; a driven sun gear in constant mesh with said planet gears; a driven shaft secured to said driven sun gear; a free sun gear concentric with said shaft and in constant mesh with said planet gears; a two element slipping transmission device, one element thereof being fixed to said free sun gear; and means for driving the other element thereof from said driven shaft in a reverse direction relative to the rotation of said driven shaft.

2,203,547
POWER ACTUATED GAUGE FOR PAPER CUTTING MACHINES AND THE LIKE
William M. Reichart, Cleveland, Ohio, assignor to The Chandler and Price Company, Cleveland, Ohio, a corporation of Ohio
Application August 18, 1939, Serial No. 290,895
10 Claims. (Cl. 164—59)



1. In paper cutting machines and the like, a table, a gauge movable thereon, an endless chain connected with said gauge, a motor, driving means connecting said motor and said chain, means affording lost motion between said driving means and said chain, and means for disconnecting said driving means and said chain.

2,203,548
PROTECTIVE ARRANGEMENT
Clifford Ryder, Manchester, England, assignor to General Electric Company, a corporation of New York
Application October 4, 1938, Serial No. 233,281
In Great Britain October 13, 1937
10 Claims. (Cl. 175—294)



1. A protective arrangement for an electric power system including circuit interrupter means, means for effecting the opening of said circuit interrupter means, a control circuit for

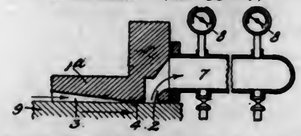
said circuit interrupter opening means, and means for controlling said control circuit to prevent the operation of said circuit interrupter opening means until after two changes in the condition of energization of the control circuit comprising means for effecting both of said changes in dependence on the location of a fault on the system.

2,203,549

DEVICE FOR COMPRESSING MATERIALS OF OR INTO A MORE OR LESS VISCID CONDITION

Asbjorn Sonsthagen, Snaresbrook, London, England

Application January 8, 1937, Serial No. 119,708
In Great Britain January 10, 1936
4 Claims. (Cl. 83—7)



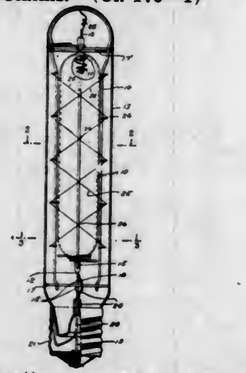
1. In a machine for compressing viscid materials, relatively moving members, the first member having a smooth surface to receive said material, the second member presenting a surface inclined to the first member, to form therewith a long wedge shaped passage which tapers in the direction of the relative movement of the other member at a sharp angle, sharp enough to progressively highly compress the material; a closed pressure pocket rigid in said second member near the narrower end of said wedge-shaped passage, and having an open side adjacent to the first member, all other sides of the pocket adjacent to said first member being closed, said first member forming a closure for said open side, said members forming a very fine entrance gap to the pocket at said narrower end, the marginal walls of the pocket being close enough to the first member substantially to resist leakage from the pocket; the length and small angle of the wedge shaped chamber and the length and fineness of said gap causing high pressure in said pocket, means for regulating the pressure in the pocket comprising a bleed communicating with the pocket and means for controlling the effective size of the bleed.

2,203,550

ELECTRIC LAMP

Hans J. Spanner, Berlin, Germany

Application October 23, 1936, Serial No. 107,190
16 Claims. (Cl. 176—1)



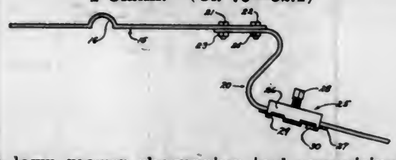
1. The combination of a radiant electrical discharge device having a vaporizable filling therein adapted by vaporization to at least double the voltage drop in the discharge device and a radiant ballast resistance therefor, in which the ballast resistance is in heat-exchange relation to the discharge device such that during initial operation the heat generated in the ballast resistance is utilized to hasten the vaporization of the filling in the discharge device and during the initial low voltage operation before vaporization of the filling and in other case of overload, the thermal capacity and heat dissipating capacity of the discharge device will absorb excessive heat developed in the ballast resistance and protect it against destructive over-heating.

2,203,551

LAWN MOWER SHARPENING TOOL

Bill A. Stuart, Arkansas City, Kans.

Application September 13, 1938, Serial No. 229,646
1 Claim. (Cl. 76—82.1)



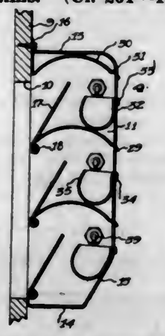
A lawn mower sharpening tool comprising: a guide arm for mounting the tool on the cross bar of a mower and for guiding its reciprocal movement there along; a substantially S-shaped extension arm adapted to have one of its ends adjustably secured to the outer end of said guide arm the shape of said extension arm being such that its intermediate portion avoids contact with the rotary mower blades when its free end is positioned adjacent the stationary mower blade; a substantially hollow file clamp adapted to encircle a file and the outer end of either of said arms and to clamp the file and arm together in a selected position; and a blade receiving cross slot through the bottom wall of said hollow clamp, adapted to expose a portion of the plane surface of the file for the purpose of contacting a blade positioned in the slot.

2,203,552

WARM AIR REGISTER

Alexander M. Teevin, Detroit, Mich.

Application March 18, 1939, Serial No. 262,679
5 Claims. (Cl. 261—119)



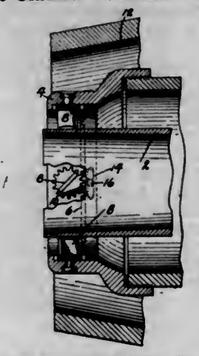
1. A device of the class described, comprising: a box-like structure adapted for mounting over a warm-air outlet; a front wall on said structure having a plurality of slots formed therein; an outwardly projecting tongue on said wall along the upper edge of each of said slots, said tongue being directed downwardly for deflecting air passing through said slots; an arcuate partition in said structure at each of said slots and terminating at its forward edge in engagement with the inner face of said wall immediately above the slot and thence extending rearwardly to the rear of said structure.

2,203,553

OIL BURNER

Ralph S. Thoresen, Darien, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y., a corporation of Delaware

Application October 22, 1938, Serial No. 236,446
2 Claims. (Cl. 158—1.5)



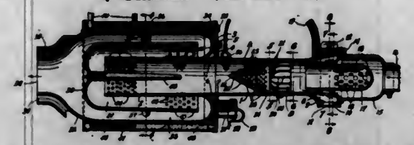
1. An oil burner comprising in combination an atomizing cup, an air nozzle immediately surrounding said cup and spaced therefrom, air vanes in the space between the cup and air nozzle and rotatably adjustable about axes extending radially of the cup, a pinion carried by each vane, a rack rotatably mounted in said air nozzle and meshing with said pinions, and means attached to the rack and extending through the wall of said nozzle for moving the rack circumferentially of the cup thereby to rotate said vanes about said axes to vary the angle of their setting within said air nozzle.

2,203,554

EXHAUST GAS BURNER

William C. Uhri, Jr., and William P. Gruner, St. Louis, Mo.

Application January 29, 1937, Serial No. 122,916
7 Claims. (Cl. 183—6)



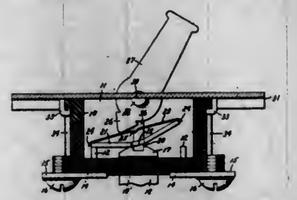
1. An exhaust gas burner comprising a tube having a central passageway having one end left open and provided at its other end with an inlet for exhaust gases and a valve controlled inlet for air and an annular chamber surrounding said passageway having a wall at one end extending across and in direct communication with the open discharge end thereof and with the other end in communication with the atmosphere, an ignition device in said passageway and a mixing device located in said passageway between said ignition device and said exhaust gas and air inlets.

2,203,555

ELECTRIC SWITCH

Fred G. von Hoorn, Nichols, Conn., assignor to General Electric Company, a corporation of New York

Application March 9, 1939, Serial No. 260,775
8 Claims. (Cl. 200—68)



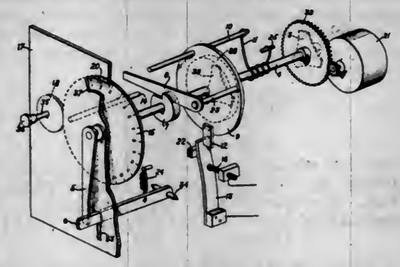
1. In an electric switch, spaced stationary contacts and a center contact disposed intermediate said spaced contacts, a contacting plate pivoted on said center contact, a convex spring strip resting upon said contacting plate and a pivoted operating handle having an end engaging said spring strip and adapted to flex the same towards said contacting plate to rock said plate about said center contact into engagement with either of said stationary contacts.

2,203,556

TIMER

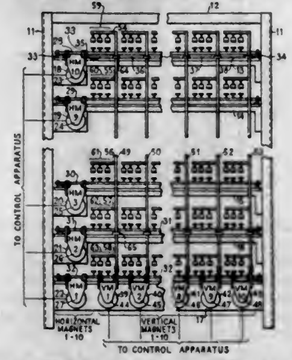
Henry E. Warren, Ashland, Mass., assignor to Warren Telechron Company, Ashland, Mass., a corporation of Maine

Application August 4, 1939, Serial No. 288,360
5 Claims. (Cl. 200—39)



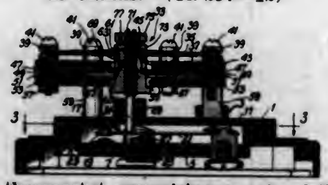
2. A timer comprising a timer motor, a shaft, a slip friction clutch through which said shaft may be driven in one direction by said motor, a switch-operating member rotatively mounted on said shaft, a spring for urging said switch-operating member to rotate in a direction opposite to the direction of rotation of said shaft, a stop for limiting such rotation of the switch-operating member, latch means having co-operating parts on said shaft and switch-operating member which, when engaged in driving relation and the shaft is rotating, causes rotation of the switch-operating member away from its stop against the tension of said spring, removable stop means for stopping the rotation of said shaft in a position where the latch part thereon will engage in driving relation with the latch part on the switch-operating member when the latter is in its stop limiting rotary position, means for releasing said latch parts, said means being adjustable so as to release said latch parts at different desired rotary positions of the switch-operating member, and a switch operated by said switch-operating member when it moves away from and returns to its stop.

2,203,557
SWITCHING SYSTEM
John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 28, 1938, Serial No. 221,722
38 Claims. (Cl. 179—18)



1. In a switching system of the type wherein the setting up of connections by way of main switches in successive switching stages is controlled by the preliminary setting up of connections to successive stages of a paralleling system of by-pass switches, a plurality of main switches of the crossbar type, each of said main switches including a plurality of horizontal operating magnets and a plurality of vertical operating magnets, a plurality of automatic by-pass switches, and means including said by-pass switches for causing the successive operation of a selected horizontal magnet and a selected vertical magnet in each of a plurality of said main switches, whereby a connection is routed by way of said last-named main switches.

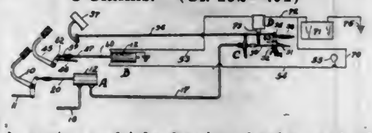
2,203,558
THERMOSTAT
Harold M. Wilson, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application June 25, 1937, Serial No. 150,242
18 Claims. (Cl. 297—12)



1. A thermostat comprising a pair of thermostatically responsive elements each comprising a snap-acting composite thermostatic metal plate, means mounting said elements in predetermined relationship to each other, in such manner that said elements tend to move in opposite directions in response to temperature change, means controlled as to position by said elements and engaging both of said elements in such a manner that each of said elements is at all times maintained in the same position with respect to the other element, said elements having a joint position of stability and remaining in said position regardless of the ambient temperature value, and means causing one of said elements to respond to temperature change more quickly than the other of said elements, whereby said elements jointly move away from said position of stability in response to rates of change of ambient temperature.

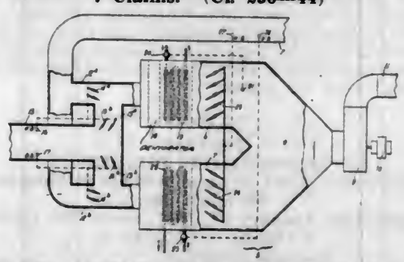
16. A control device comprising a pair of snap-acting thermostatic elements which undergo movement in response to temperature changes, means mounting said elements, and means interconnecting said elements in such manner that one of said elements cannot move in one direction without at the same time moving the other of said elements, but can move freely of the other element in the other direction.

2,203,559
AUTOMATIC ACCELERATOR
Robert C. Zastrow, Racine, Wis.
Application February 18, 1938, Serial No. 191,143
5 Claims. (Cl. 192—.01)



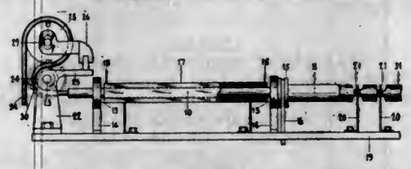
1. A motor vehicle having brake and clutch pedals and a power valve in combination with an automatic accelerator, said accelerator comprising cooperating means between said pedals and said power valve whereby when said brakes are engaged, said accelerator will be made operative and then when said clutch pedal is moved to engage the clutch, said power valve will be moved to thereby accelerate the engine.

2,203,560
AIR CONDITIONING METHOD
Carlyle M. Ashley, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application April 6, 1938, Serial No. 200,497
7 Claims. (Cl. 236—44)



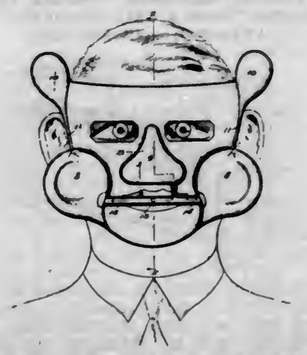
7. The method of air conditioning an enclosure which consists in routing in a first path air withdrawn from said enclosure and air intaken from the outdoor atmosphere in desired proportions, circulating in a second path air withdrawn from said enclosure and air intaken from the outdoor atmosphere in desired proportions, controlling the proportions of return air and outdoor air supplied to one of said paths in accordance with one psychrometric characteristic of the outdoor atmosphere, controlling the proportions of outdoor and return air supplied to said other path in accordance with changes in another psychrometric characteristic of the outdoor atmosphere, removing moisture from air supplied to one of said paths, abstracting heat from air supplied to said other path by circulating a cooling medium in heat exchange relation with said air, and supplying to said enclosure air from both of said paths.

2,203,561
MANUFACTURE OF CHENILLE YARN
Reuben Broder, New York, N. Y., assignor to Zenith Textile Corporation, New York, N. Y., a corporation of New York
Application November 22, 1939, Serial No. 305,589
7 Claims. (Cl. 28—62)



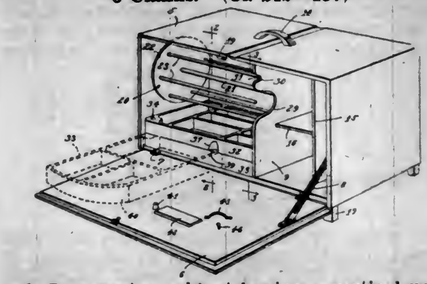
1. Means for continuously imparting a compacted round-section form to a chenille yarn having radial tufts, comprising an elongated tube having a conical inlet end and having a conical thread in said inlet end, said elongated tube having an inner diameter corresponding to the smallest diameter of said conical inlet, means in front of said inlet for frictionally restraining and tensioning chenille yarn, means for heating said tube, means for rotating said heated tube to cause said conical thread to forcibly curl said chenille yarn into a substantially solidly compacted mass of round-section and of considerably smaller diameter, and means for feeding said curled chenille yarn through said tube in timed relation with the time required to heat and set said curled chenille yarn.

2,203,562
FALSE FACE
George L. Edwards, Fuquay Springs, N. C.
Application March 7, 1938, Serial No. 194,475
1 Claim. (Cl. 2—206)



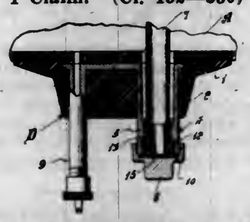
In a false face, a body portion including outer and inner contacting walls constructed of flexible material and secured together at predetermined points, portions of the walls between the secured portions thereof providing pouches, passageways connecting the pouches, a valve including a main valve tube connected with the body portion, an inner valve tube mounted within the main valve tube and slidable longitudinally thereof, one end of the inner valve tube being closed, said inner valve tube having openings formed in the wall thereof and through which air passes to said pouches, said valve tube being normally moved to its closed position by air pressure within the false face, and said valve tube adapted to be moved to a position to admit air to the pouches, by the tongue of the person using the false face.

2,203,563
SEWING CABINET
A. Ivar Ekstrom, Rockford, Ill.
Application September 1, 1938, Serial No. 227,889
5 Claims. (Cl. 242—137)



1. In a sewing cabinet having a vertical partition wall therein in spaced parallel relation to another wall, and a closure for said cabinet adapted to lie in close proximity to the outer edges of said walls, a rotatable spool carrier mounted between said walls for rotation on a horizontal axis, and horizontal spool spindles in spaced relation on said carrier having free ends lying in closely spaced relation to said partition wall, the latter having an outer edge portion cut away in substantially concentric relation to the end of a spindle of said carrier, substantially as and for the purpose described.

2,203,564
WATER GATE FOR PNEUMATIC TIRES
Harry A. Farnsworth, Elkhart, Kans.
Application August 29, 1939, Serial No. 292,530
1 Claim. (Cl. 152—330)



In a water gate for pneumatic tires for tractors, a straight metal water pipe extending through the rim of the wheel, a cap screwing on the outer end of the water pipe, an elongated base encompassing the inner end of the water gate and firmly vulcanized thereto, a rubber tube inserted through the outer end of the water pipe and extending into and completely across the inner tube of the tire, a flanged sleeve to hold said rubber tube securely in place and an air valve cast integral with the water pipe, both having a common base.

2,203,565
BOAT
Alfred L. Field, Batavia, N. Y.
Application July 24, 1939, Serial No. 286,253
5 Claims. (Cl. 9—1)

1. In a boat the combination of a hull having a bottom formed to provide an opening of generally rectangular configuration, walls bounding said opening extending upwardly within the hull and attached to the hull and to each other to provide a well and securing means on the exterior of the bottom adjacent the opening; of a bait receptacle positioned in the well for movement outwardly

thru the bottom of the boat and for retraction within the well, the receptacle including side walls corresponding to the walls forming the well and a recticulated bottom wall, cable means secured to the receptacle for retracting the same and additional retracting means constituting means at least partially shielding the receptacle from water currents, said additional means including

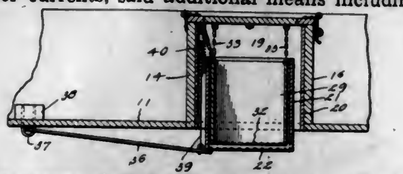


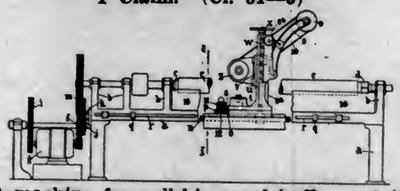
plate means pivotally attached along one edge thereof to said securing means on the bottom of the boat and freely movable means suspending the opposite edge of said plate means under the receptacle thereby partially shielding the receptacle from water currents and at the same time urging the receptacle toward retracted position under impacts on the plate means.

2,203,566
METHOD FOR REMOVING BONES FROM FISH
Walter A. Gibbs, Holly Oak, Del.
Application August 11, 1938, Serial No. 224,379
2 Claims. (Cl. 17—45)



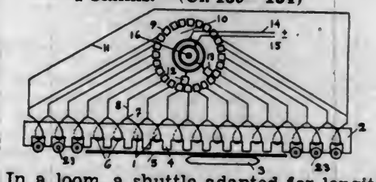
1. The method of removing bones from fish after cooking the same which consists in cutting inwardly through the fish thereof simultaneously from opposite sides of the bones therein, securing said bones together collectively as a unit, and thereafter removing the fish from the bones while the latter are secured together.

2,203,567
MACHINE FOR POLISHING ROLLERS, SUCH AS USED IN PRINTING MACHINES
Isaac Harold Gilbertson, Middleton, England
Application May 9, 1938, Serial No. 206,936
In Great Britain May 18, 1937
1 Claim. (Cl. 51—3)



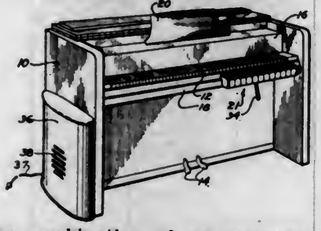
A machine for polishing and buffing printing and other hollow rollers comprising means for supporting and rotating the roller about a horizontal axis, a slide movable parallel with the axis of the roller, means to reciprocate said slide, a head mounted to swivel about a vertical axis upon said slide, a column upon the said swivelling head, a slide vertically movable upon said column, means to move said slide along said column and to retain it in desired position thereon, an electric motor upon said column slide, a buffing wheel at one end of and driven by said motor, a belt pulley at the other end of and driven by said motor, a counterweighted arm pivoted to said column slide for movement in a vertical plane, a belt pulley at the free end of said arm, and an endless polishing belt around the two said belt pulleys.

2,203,568
MAGNETIC SHUTTLE MOTION
Karl Teodor Gröndahl, Goteborg, Sweden
Application December 8, 1937, Serial No. 178,813
In Sweden December 16, 1936
4 Claims. (Cl. 139—134)



1. In a loom, a shuttle adapted for longitudinal reciprocation, a plurality of magnets and means associated therewith providing a travelling magnetic field for propelling the shuttle, said magnets being arranged in a row above the reciprocating path of the shuttle and above a series of warp threads whereby the magnetic lines of force produced by the magnets carry the shuttle during the propulsion thereof to counterbalance the weight of the shuttle, and a comb associated with the warp threads having teeth arranged between the magnets and the path of the shuttle providing guide means for the shuttle.

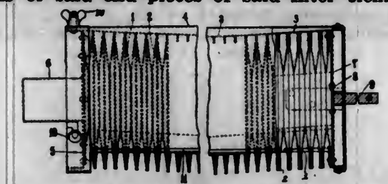
2,203,569
MUSICAL INSTRUMENT
Laurens Hammond, Chicago, Ill.
Application March 8, 1940, Serial No. 322,903
12 Claims. (Cl. 84—425)



1. The combination of an electrical musical instrument with a piano having a keyboard, a keyboard case attached to said piano in close proximity to and in front of the keyboard thereof, a plurality of keys of substantially the same width and spacing as the piano keys but appreciably shorter than the latter mounted on said case, said short keys having playing surfaces extending rearwardly to substantially the rear edge of said case, and means attaching said case to said piano, the playing surfaces of the two keyboards being within the convenient playing span of a single hand.

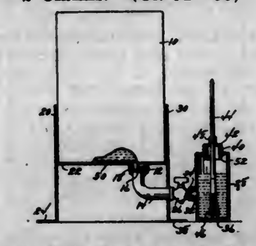
2,203,570
AIR CLEANING OR FILTERING DEVICE
Joseph Ernest Hollebone, Woolwich, London, England
Application July 11, 1938, Serial No. 218,651
In Great Britain July 15, 1937
10 Claims. (Cl. 183—71)

1. An air cleaning device comprising a filter element constructed in the form of a bellows from a plurality of rings of filter material and having relatively movable end pieces, a frame including members for defining the working positions of said end pieces of said filter element,



quickly releasable catch means for securing one of said end pieces to one of said position defining members and gripping means whereby said end pieces may be reciprocated toward and away from one another.

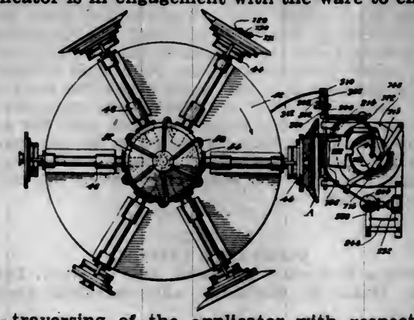
2,203,571
LIQUID CEMENT WELL
Tom N. Hutchison, Hobbs, N. Mex.
Application December 6, 1938, Serial No. 244,291
2 Claims. (Cl. 91—66)



1. A device of the type described comprising a liquid cement container having a threaded neck, a stand in the nature of a socket fashioned to receive the container in an inverted position, said stand having flanges at its lower end to provide a rest for the stand, an elbow having a detachable connection with said threaded neck and extending laterally of one wall of said container, said stand being slotted for the reception of said elbow as the said container is lowered into the socket formation of the stand, a well located to one side of said stand, said elbow being connected with the well at an altitude beneath the lower end of said container, and a valve interposed in said elbow adjacent the well for opening and closing the elbow, said elbow being of such formation and connected with said well at such an altitude as to bring the lower end of the well in a plane common with the flanges at the lower end of the stand so as to permit both the stand and the well to be positioned at rest on a common supporting surface.

2,203,572
STRIPING OR BANDING MACHINE
Robert H. Johnson, Morgantown, W. Va.
Application August 25, 1936, Serial No. 97,823
34 Claims. (Cl. 91—12)

24. In an ornamenting device of the class described, an applicator station comprising, a rotatably and slidably mounted applicator support, an applicator secured to said support, means for supplying paint to said applicator, means for rotating said support to move the applicator into and out of engagement with the ware, means slidably urging said support in one direction and adjustable means for sliding said support in the opposite direction thereof when the applicator is in engagement with the ware to effect



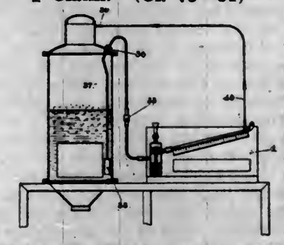
a traversing of the applicator with respect to the ware.

2,203,573
GLASS ARTICLE BOTTOMER
Paul Krause, Franklinville, N. J., assignor to Hudson Armstrong, Salem, N. J.
Application February 18, 1937, Serial No. 126,473
5 Claims. (Cl. 49—7)



4. In a machine of the class described, a burner, means to convey a glass tube to said burner, two pairs of parallel belts, one belt of each pair being constructed and arranged with a tube-engaging run for spinning the glass tube while conveyed and moving over the burner in order to separate the tube into sections each having a closed end, the other belt of each pair having a tube-engaging run at a lower level than the tube-engaging run of the other belts for engagement by the severed sections of the tube, said means to convey comprising a plurality of conveyors, tube-separating pins on the conveyors, the pins of one conveyor of each pair being set farther back than the pins of the other conveyor of each pair.

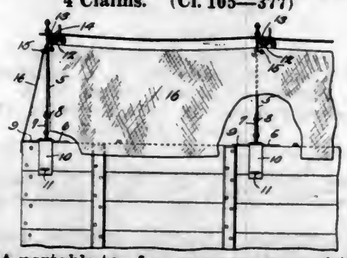
2,203,574
MANOMETER FOR USE WITH VACUUM APPARATUS
Andrej Malicov, Moscow, Union of Soviet Socialist Republics
Application June 9, 1937, Serial No. 147,322. In Union of Soviet Socialist Republics September 10, 1934
1 Claim. (Cl. 73—31)



A manometer for measuring the difference of pressure below the level of boiling material and above the same in a vacuum apparatus by means of pneumatic pressure transmission comprising a cup, said cup being divided by a partition into an upper chamber and a lower chamber, a liquid

partially filling both chambers, a tube connecting the two chambers and extending above the liquid level in the upper chamber and below the liquid level in the lower chamber, an indicating tube having one end extending into the liquid of the upper chamber and the other end adapted to be connected to the space above the level of the boiling material, a branch tube connecting the air space of the upper chamber with the atmosphere, and a tube connected to the air space of the lower chamber and adapted to be connected to an air bell below the level of the boiling material.

2,203,575
PORTABLE COVER
Herman McCurley, deceased, late of Gary, Ind., by Mable M. McCurley, administratrix, Gary, Ind.
Application May 1, 1939, Serial No. 271,208
4 Claims. (Cl. 105—377)



1. A portable top for open cars, comprising upright supports, means for removably securing the supports over the upper edge of an open car, brackets on the upper ends of the upright supports, spanning bars removably held in the brackets, and canvas strips adapted to be positioned over the bars covering the open side of the car.

2,203,576
ATOMIZER
Edward A. Mikosz, Hamtramck, Mich.
Application February 13, 1939, Serial No. 256,192
1 Claim. (Cl. 299—88)



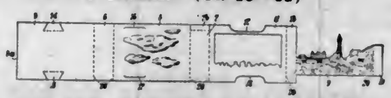
In an atomizer of the type described, a tubular member provided with a partition dividing the member into a liquid chamber and an air compression chamber, a cap for closing the liquid chamber, the latter being provided with a nozzle, an air tube having an end communicating with the nozzle and its other end communicating with the air compression chamber, a liquid conveying tube communicating with the liquid chamber and said nozzle, a piston operable in the air compression chamber for compressing air into the air tube and through the nozzle, manually actuated means for operating said piston, a nozzle closing means movably related to the tubular member, valve means associated with the liquid conveying tube, an air venting valve associated with the liquid chamber, and operating connections between the nozzle closing means and the valve means and the air venting valve for closing the same when the nozzle is closed and vice versa.

2,203,577
MEANS FOR MEASURING AND CONTROLLING FLUID PRESSURES
Frank E. O'Neill, Glendale, and Rowland G. Whealton, Altadena, Calif., assignors to Mordica O. Johnston, Glendale, Calif.
Application January 3, 1938, Serial No. 183,156
8 Claims. (Cl. 166—1)



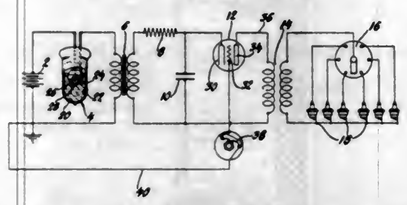
1. In combination, a string of pipe adapted to be lowered into a well and being in communication with the atmosphere at its upper end, a testing tool carried at the lower end of the string of pipe, said tool having a passageway therethrough, a valve normally closing the passageway, a packer carried by the tool to form a fluid tight seal between the wall of the well bore around the testing tool, a metering valve disposed in the path of fluid flowing through the testing tool when its valve is opened, said metering valve comprising a perforated element through which fluid may flow from beneath the testing tool to the string of pipe thereabove, a valve element positioned within said perforate element moving in relation to the member having the perforated openings and being capable of progressively increasing the area of the fluid passageway through the perforated openings as the movable valve element is moved by the pressure of the fluid exerted thereagainst and which fluid flows from the area beneath the testing tool to the string of pipe thereabove, and means yieldably resisting the movement of the movable valve element.

2,203,578
MAILING CARD
Arthur Podmore, London, England
Application December 27, 1938, Serial No. 247,981
In Great Britain December 31, 1937
6 Claims. (Cl. 46—35)



1. A collapsible picture card comprising a rear panel hingedly connected to end panels, said rear panel forming a rear section of a composite picture, an intermediate picture section connected to said end panels, a frame element connected to the end panels and comprising a front picture section said rear panel, intermediate picture section and frame element always lying in parallel planes, a cover panel hingedly connected to an end panel in a readily detachable manner, said panels and sections all being formed as a one-piece blank.

2,203,579
IGNITION CIRCUIT
Donald W. Randolph, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 11, 1939, Serial No. 261,228
6 Claims. (Cl. 123—148)



1. In an ignition system, a battery, interrupter means, a transformer primary connected in series with the battery and interrupter, a transformer secondary, a condenser charged from the secondary, a coil connected to and adapted to be supplied with current from the condenser and an electronic tube interposed between the condenser and coil having a control electrode and means for periodically varying the voltage on the control electrode to cause current to flow through the tube at given intervals.

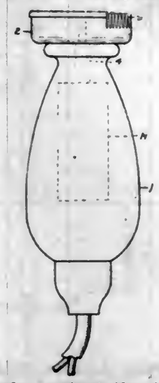
2,203,580
DOOR CATCH
Adolph Ronning, Minneapolis, Minn.
Application June 9, 1938, Serial No. 212,733
2 Claims. (Cl. 292—70)



1. A permanent magnet lock device comprising a mounting member having a cylindrical bore opening to one face thereof, a generally U-shaped magnet mounted in said bore with its closed end inward and its leg end extending outwardly, the outer surface of the legs being transversely curved to conform with the curvature of the bore surface, said legs being of such spread formation prior to insertion in the bore that they will be compressed when forcibly inserted and by reason of said compression will create retaining friction between the contacting surfaces of the legs and bore.

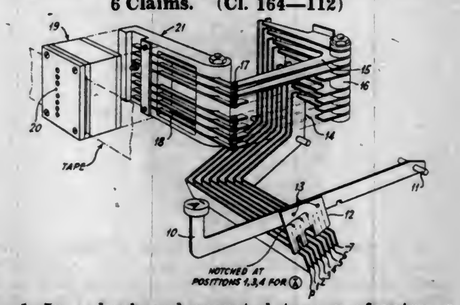
2,203,581
SHAVING AND CLIPPING TOOL
Holland L. Sessions and Harry L. Jones, Fort Wayne, Ind.
Application September 27, 1937, Serial No. 165,820
1 Claim. (Cl. 30—43)

In a shaving implement, a handle, an open ended casing fixed on the forward part of said handle, said casing having a base portion projecting around the handle, said casing having a cylindrical wall provided with an arcuate section extending partially around the wall and with tapering teeth extending from acute points downwardly through a portion of the cylindrical wall towards the handle, a cap fitting over said casing and cut away over the tooth provided portion of the casing to expose the same, motor means mounted within the handle and having a shaft projecting into the casing, blade supporting means carried by said shaft, a plurality of blade carrying arms extending outwardly from said shaft, and a blade carried by each of said arms



and fitting closely against the inner side of the cylindrical wall of said casing.

2,203,582
TAPE PERFORATOR
James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 14, 1938, Serial No. 207,884
6 Claims. (Cl. 164—112)

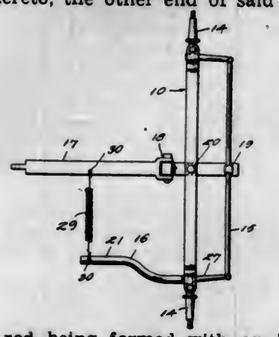


1. In a keyboard-operated tape perforator, a plurality of key bars sufficient in number to individually represent the letters of the alphabet and other characters, at least eight bails underlying the key bars, tape punching and feeding mechanism operable under control of one of said bails by depression of any key, and means including a selector comb mounted on each key bar and each permutationally and distinctively notched to avoid engagement with exactly three of the bails appropriate to selected positions in which code-designating holes are to be punched, said means serving also to depress the remaining bails in response to a key depression, whereby blanks are left in the tape in non-selected positions.

2,203,583
ANTISHIMMY DEVICE
Roy C. Stoxen, Marengo, Ill.
Application February 13, 1939, Serial No. 256,165
2 Claims. (Cl. 280—33.55)

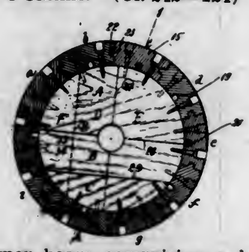
1. In combination with an axle of a trailer having a towing bar associated therewith, spindles carried on each end of said axle, a steering arm associated with each of said spindles, a tie rod pivotally connected to said steering arms, one of said steering arms being formed with a re-

duced threaded end, a vibration reducing rod, said rod being disposed substantially parallel to said towing bar and having one end flexibly attached thereto, the other end of said vibration



reducing rod being formed with an internally threaded nut for receiving the reduced threaded end of said steering arm, whereby vibration of the steering means of said trailer is substantially reduced.

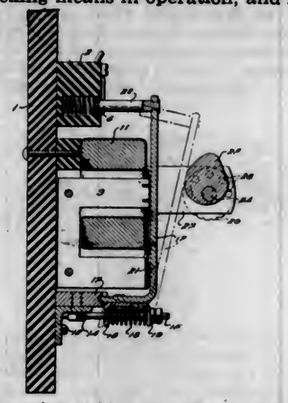
2,203,584
WARPER BEAM
Ray Udell Thornton, New Bedford, Mass.
Application June 17, 1939, Serial No. 279,626
5 Claims. (Cl. 242—124)



3. A warper beam comprising a barrel composed of two discs located near the respective ends of the barrel and staves spaced around said discs, each said stave being provided on the under side thereof and substantially midway between its side faces with a longitudinally extending groove, each said disc consisting of two layers of cross-banded wood, holdfast means passing through each stave near the respective ends thereof and into two contiguous bands of different layers of said discs, respectively, heads disposed on the respective ends of said barrel, metallic rods disposed in a plurality of said grooves and passing into said heads, and means co-operating with the ends of said rods for holding the heads and barrel together.

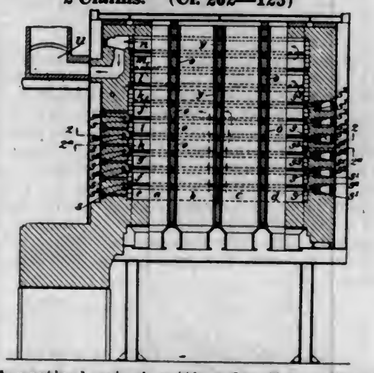
2,203,585
TIMING RELAY
Hermon L. Van Valkenburg, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application November 11, 1936, Serial No. 110,271
4 Claims. (Cl. 175—336)

1. An electromagnetic operator for an electric relay comprising a stationary magnet core, an energizing coil therefor, an armature member, a rotary cam having a surface adjustably limiting the de-energized position of said armature and serving as a stop for the armature in said position, means adjustably locking said cam in a plurality of positions, biasing means for maintaining said locking means in operation, and manual



means for moving said cam against said biasing means to permit rotation of said cam to vary the de-energized position of the armature.

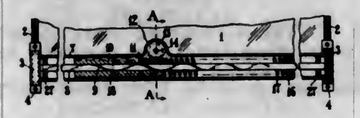
2,203,586
VERTICAL RETORT SETTING FOR CARBONIZATION OF COAL AND LIKE MATERIALS
Frederick Joseph West and Ernest West, Miles Platting, Manchester, England, assignors to West's Gas Improvement Company Limited, Miles Platting, Manchester, England, a British company
Application July 19, 1938, Serial No. 220,159
In Great Britain August 18, 1937
2 Claims. (Cl. 202—125)



1. A vertical retort setting for the carbonization of coal or the like, comprising a plurality of vertical retorts each of which is elongated in plan, the horizontal major axes of the said retorts being in line with one another, the said retorts being contiguous and together forming a continuous wall, a plurality of superposed combustion chambers at each side of said wall, means to supply combustible gas and air to each end of each of said combustion chambers, an outlet at the middle of each combustion chamber for products of combustion from both ends of such chamber, such outlet opening into the middle of the chamber immediately above, a plurality of superposed waste gas circulating chambers at each side of said wall above said superposed combustion chambers, and ducts leading from circulating chamber to circulating chamber

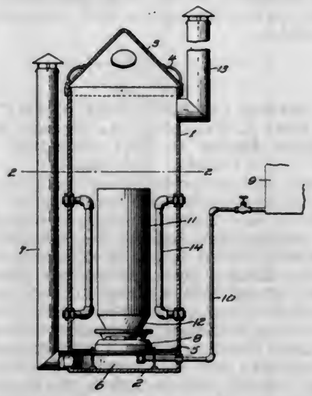
at the ends thereof to lead products of combustion entering the lowest circulating chamber from the uppermost combustion chamber successively upwards through the said circulating chambers from end to end thereof and from the furthermost end of the uppermost circulating chamber out of the retort setting.

2,203,587
DEVICE FOR CONTROLLING VERTICALLY SLIDING WINDOWS
William Young, Wishaw, Scotland
Application October 27, 1938, Serial No. 237,352
In Great Britain November 2, 1937
8 Claims. (Cl. 268—132)



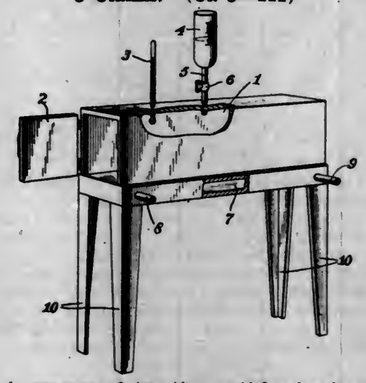
1. A device for controlling a window pane sliding vertically in a window frame comprising a horizontally disposed shaft having a thread thereon, brackets mounted upon the vertical sides of the said window frame, a tubular casing surrounding said shaft and supported upon said brackets, a nut mounted upon said shaft so as to slide within said tube, means to prevent said nut from rotating, teeth in the form of a rack provided upon said nut, a pinion mounted upon said casing and engaging said rack, a handle for rotating said pinion, means mounted at the end of said shaft adapted to coact with said pane to move it on rotation of the handle, and spring means pushing the said nut along the shaft against the weight of the pane which means permit the said shaft to be rotated in one direction on applying pressure to said pane but prevent it from being rotated in the other direction by pressure applied to said pane in the opposite direction.

2,203,588
HEATER
George Allen, Kansas, Ill.
Application September 6, 1938, Serial No. 228,698
1 Claim. (Cl. 126—367)



A heater of the type adapted to be at least partially submerged in a liquid to heat the surrounding media, comprising a substantially enclosed cylindrical tank, a heating means positioned centrally within the tank and spaced above the bottom thereof to provide an air space therebelow, means to convey atmospheric air from above the surface of the liquid to the said air space, a tubular heat deflector arranged concentrically within the tank and formed with a convergent lower portion supported by the heating means, and a plurality of water circulating flues arranged within the housing and spaced circumferentially around the heat deflector, the said flues being positioned in spaced parallelism with the heat deflector for their entire length and maintained in spaced relation with the inner wall of the housing and with the heat deflector but in closer proximity to the heat deflector by transversely bent end portions which connect to and open through the side wall of the housing below the surface of the said liquid.

2,203,589
TREATMENT OF WOOD
John William Baymiller, Chicopee, Mass., assignor to A. G. Spalding & Bros. Inc., a corporation of Delaware
Application May 13, 1937, Serial No. 142,490
3 Claims. (Cl. 8—111)

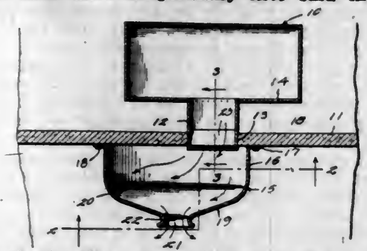


1. A process of treating articles having wood surfaces before applying finishing material thereto, which process comprises subjecting the said wood surfaces to the action of a solution containing hydrogen peroxide for a period sufficient to bleach the said wood surfaces but insufficient to penetrate substantially below the surface of the wood and without saturation thereof, subjecting the said wood surfaces to the action of an alkaline atmosphere to increase the bleaching action, subjecting the bleached wood surfaces to the action of heated water for a relatively short period to avoid discoloration of the wood during subsequent treatment thereof, drying the said article, and while drying the article subjecting the wood surfaces to the action of ethylene glycol to prevent checking of the wood, thereby obtaining an article having bleached wood surfaces substantially free from checks and any tendency toward discoloring after applying wood-finishing materials.

2,203,590
AIR CONDITIONING DEVICE
Irving I. Bock, Dallas, Tex.
Application June 29, 1939, Serial No. 281,963
7 Claims. (Cl. 98—40)

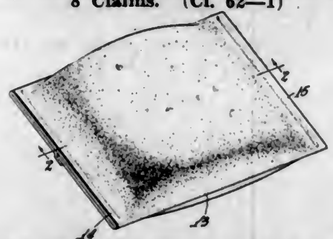
1. In an air duct an inverted dome-shaped outlet member provided with a reduced axial

outlet opening, and means for discharging air from said duct tangentially into said member



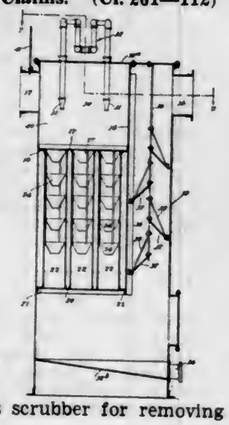
whereby to effect a circular movement of air in said member.

2,203,591
FLEXIBLE REFRIGERATING PACKAGE PRODUCTION
Claude F. Brown, Chicago, Ill.
Application April 25, 1938, Serial No. 204,145
8 Claims. (Cl. 62—1)



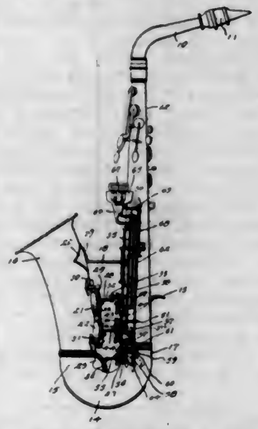
1. The process of forming a refrigerating bag structure including forming a flexible, rupture- and leak-proof bag of relatively light material and with an open mouth, partially filling the same through the mouth with low temperature point eutectic liquid, the bag material being proof against liquid passage therethrough, sealing the liquid in the bag, and then freezing to form cryohydrate ice, the bag structure merely flexing without rupture during the freezing step.

2,203,592
GAS SCRUBBER
Norman C. Brundage, Los Angeles, Calif., assignor to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California
Application March 21, 1938, Serial No. 197,285
8 Claims. (Cl. 261—112)



2. In a gas scrubber for removing suspended particles from a stream of gas, the combination of a housing through which the gas stream flows; partition means within the housing subdividing the interior into a plurality of vertically extending gas ducts; a plurality of removable vertically extending supports disposed longitudinally of each gas duct; and a plurality of spaced members in each duct attached to the supports in that duct and defining a series of openings alined in the direction of gas flow, each opening having an area smaller than the cross-sectional area of the duct, said supports and attached series of members in a duct being withdrawable as a unit longitudinally of the duct.

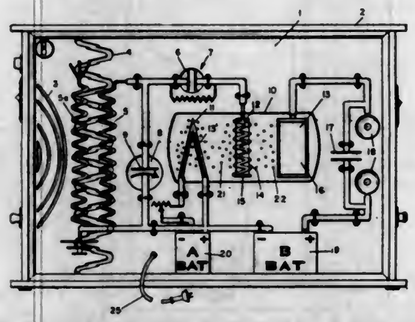
2,203,593
SAXOPHONE
Floyd E. Comer, Elkhart, Ind., assignor to Buescher Band Instrument Company, Elkhart, Ind.
Application August 16, 1939, Serial No. 290,469
9 Claims. (Cl. 84—385)



1. In a saxophone including a tone pipe and a bell, a plurality of vertically spaced apart valve seats on said bell on an inner sector of the rear one-half thereof, said seats being disposed in alignment, a valve for each seat, and operating means for said valves, said operating means moving said valves rearwardly and inwardly to an open position.

2,203,594
RADIO INSTRUCTION DEVICE
Albert L. Daugherty, La Grange, Ill.
Application August 16, 1939, Serial No. 290,527
15 Claims. (Cl. 35—19)

15. In a device for teaching the principles of radio wave conversion, a panel, a series of arcuate slots in said panel adapted to represent incoming waves and means to illuminate said arcuate slots, coiled tubing to represent a receiving coil, a zig-zag slot adapted to represent the incoming wave, said zig-zag slot being located behind said tubing and means to illuminate said zig-zag slot, a V-shaped slot in said panel adapted to represent the filament of a tube and means to illuminate said slot, a substantially rectangular opening in said panel adapted to represent the grid of a tube, and a zig-zag strip of material lying immediately over said opening, adapted to represent a grid wire, a mirror adapted to represent the plate of a tube, said mirror being translucent and illuminating means mounted behind said mirror adapted to indicate heating of said plate when said means are energized, said various illuminating means being sequentially operable whereby progression of an electric impulse through said device may be indicated, and in separate circuits so that the device may be stopped while any one element is being illuminated, and a motor driven multiple switch adapted to control said circuits.

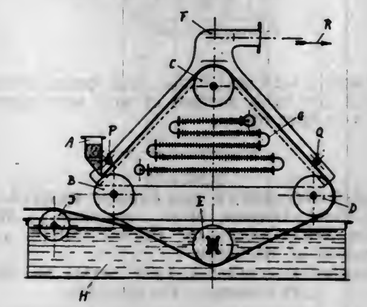


2,203,595
DEVICE FOR USE IN WELLS
Elwin B. Hall, Los Angeles, and Arthur L. Armentrout, Santa Maria, Calif., assignors, by direct and mesne assignments, to Security Engineering Co. Inc., a corporation of California
Application April 21, 1936, Serial No. 75,564
13 Claims. (Cl. 166—1)



1. Well testing apparatus including a tubular test string, a tubular body, a liner for receiving fluid from the well, a connection between the body and liner releasable by rotation, a packer associated with the liner to pack off the well, a valve in the body for controlling the flow of fluid from the liner to the string, and a swivel connection between the body and string allowing rotation of the string relative to the body, the swivel connection including parts engageable by manipulation of the string to transmit rotation to the body to release the first mentioned connection.

2,203,596
PROCESS FOR THE MANUFACTURE OF TRANSPARENT FOILS, FILMS, AND THREADS OF CELLULOSE FORMATE
Walter König, Wiesbaden, Germany, assignor to the firm Rudolph Koepp & Co., Chemische Fabrik A. G., Oestrich (Rheingau), Germany, a corporation of Germany
Application October 21, 1935, Serial No. 46,027
In Germany October 22, 1934
9 Claims. (Cl. 18—57)



1. A process for the manufacture of transparent foils, films and threads of cellulose formate, which comprises the steps of preshaping primary formylated cellulose reaction products which contain formic acid, partially drying the preshaped products while evaporating a portion of the formic acid present, and finally treating the partially dried products with a liquid precipitating agent.

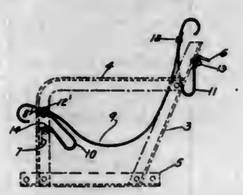
2,203,597
BOX TOE MATERIAL
Henry B. Morse, Binghamton, and Walter S. Cornell, Endicott, N. Y., assignors to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
No Drawing. Application May 16, 1938, Serial No. 208,310
6 Claims. (Cl. 91—70)

1. A normally stiff thermoplastic box toe material adapted to be softened by heat, comprising an absorbent base impregnated with a thermoplastic material consisting of the heat reaction product of a mixture of unvulcanized crude rubber with approximately 10% by weight of beta naphthol and approximately 4% of sulphuric acid, treated with approximately 1.75% of trioxymethylene; and other thermoplastic materials including a natural resin, and a natural wax.

2,203,598
FORM FITTING METAL SPRING SEAT
Charles W. Nelems, Birmingham, Ala.
Application November 20, 1936, Serial No. 111,823
9 Claims. (Cl. 155—53)

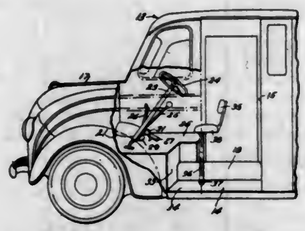
4. A seat comprising upright end frames having a rigid front seat brace and a rigid upper back brace cross connecting them in assembled relation, a transverse series of seat forming flat spring straps each shaped to provide a concave body reversely curved at its seat end to form a leg support, transverse members connecting said straps together along their seat and back portions to form an assembly, U-shaped springs each having its under leg rigidly connected to said seat brace and its upper leg inclined upwardly and forwardly towards and connected to the leg sup-

porting end of said strap assembly to mount the latter in forwardly overhung relationship above



and beyond said seat brace, and spring means to support the back portion of said seat assembly from said back brace.

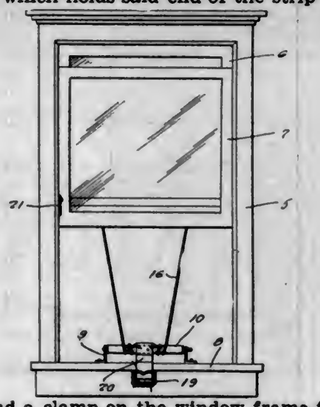
2,203,599
SITTING DRIVE DELIVERY VEHICLE
John Nicol, Detroit, Mich., assignor to Divco-Twin Truck Company, Detroit, Mich., a corporation of Michigan
Application December 7, 1938, Serial No. 244,490
12 Claims. (Cl. 180—77)



1. In a sitting drive vehicle body, an elevated floor at the front end of said body and a plurality of vehicle controls extending upwardly at said floor, a low level platform at at least the driver's side of the body disposed substantially only a single step above the ground level, a doorway at that side of said body leading to said platform, said platform extending at said driver's side of said body a substantial distance forwardly of said doorway to said elevated floor, a post upstanding from said platform adjacent the longitudinally central portion of said body and a driver's seat slidably supported above said platform rearwardly of said elevated floor, said seat when in use as the vehicle is being driven projecting a substantial distance rearwardly beyond the front edge of said doorway and said seat being slidable to a position of disuse substantially forwardly of said doorway where it does not obstruct passage along the platform adjacent the doorway.

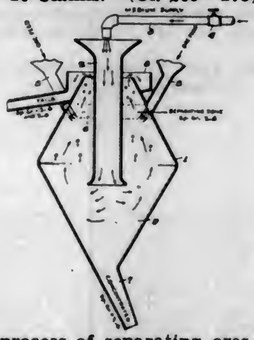
2,203,600
AUTOMATIC WINDOW CLOSER
Peter Pusak, Eddystone, Pa.
Application September 24, 1938, Serial No. 231,578
1 Claim. (Cl. 268—123)

A window closer comprising a spring roller, a fixed mounting therefor, a flexible looped member having intermediate portions attached to the window with its ends connected with the roller and having portions adjacent said ends wrapped about the roller, when the window is in open position, a strip of material pervious to moisture having one end wrapped about the roller and engaged by parts of the winding of the flexible member which holds said end of the strip to the



roller and a clamp on the window frame for engaging the other end of the strip.

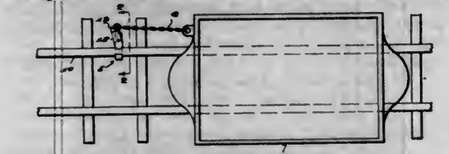
2,203,601
SEPARATING FRAGMENTARY MATERIALS
Victor Rakowsky, Joplin, Mo., Ray W. Arms, Evanston, Ill., and Grover J. Holt, St. Paul, Minn., assignors to Minerals Beneficiation Incorporated, Chicago, Ill., a corporation of Delaware
Application February 18, 1939, Serial No. 257,250
10 Claims. (Cl. 209—173)



1. The process of separating ores which consists in preparing a liquid separating medium of not less than 2.5 specific gravity and composed of comminuted solids suspended in water, flowing said separating medium upwardly through a separating tank, the rate of flow of the medium continually increasing as the medium moves upward, and introducing the ores into the medium at a zone where the velocity of the medium is intermediate its maximum and minimum velocities and where the falling velocities of the solids of the medium and the heavier ore particles in said medium when it is quiescent.

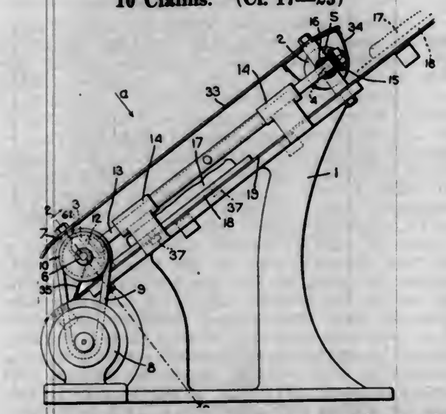
2,203,602
RAIL CLAMP FOR MINE CARS
Herndon Sherman, Weeksbury, Ky.
Application September 6, 1939, Serial No. 293,643
1 Claim. (Cl. 188—43)

In a device of the character described, a rail clamping for mine cars comprising a substantially plate like member having a lug at one end portion for engaging a rail flange at one side edge, a rotatable lever pivotally secured to the other end portion of said plate like member, said rotatable lever having a grooved end portion and an upturned apertured end portion, said grooved



end portion being adapted to engage the other side edge of said rail flange, and a chain secured at one end portion to said apertured upturned end portion of said rotatable lever and at its other end portion to a mine car.

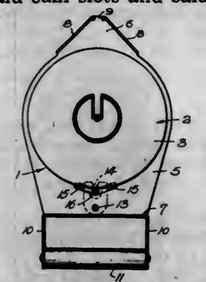
2,203,603
MACHINE FOR SLITTING MEAT
Joseph P. Spang, Quincy, Mass., assignor to Cube Steak Machine Company, Inc., Boston, Mass., a corporation of Massachusetts
Application October 18, 1935, Serial No. 45,609
10 Claims. (Cl. 17—25)



8. A meat-slitting machine comprising a platform, a set of rotary slitting knives above the platform, means to rotate the knives, a meat-supporting plate separable from the platform, said plate being of a thickness whereby when it passes beneath the knives the upper surface thereof will not be penetrated by the knives and being adapted to slide the full length of the platform from a position at one end thereof in which it is entirely on one side of the knives to a position at the other end of the platform where it is entirely on the other side of the knives and to be discharged from the platform at said other end, and means to apply a retarding force to the forward movement of the meat-supporting plate while the knives are slitting the meat thereon whereby the speed of the forward movement of said plate is reduced below the surface speed of the knives and the latter will operate on the meat with a draw cut.

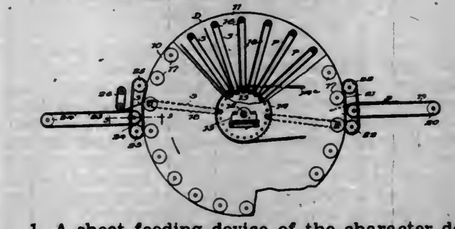
2,203,604
KITE STRING HOLDER
Reid N. Stibbins, Louisville, Ky.
Application July 18, 1939, Serial No. 285,199
3 Claims. (Cl. 242—99)

1. In a kite string holder, provided with a carrying frame and a rotatable reel having bearings in said frame and a crank handle; a brake device comprising a manipulative lever having fulcrum bearings in said frame, one arm of said lever having a slot and said frame having oppositely inclined converging cam slots, and a normally inoperative brake member engaging the lower ends of said cam slots and said lever slot,



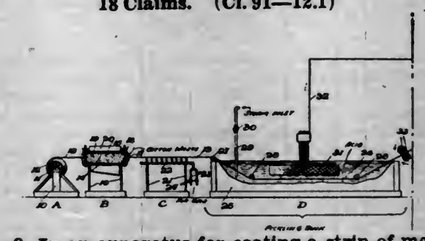
said cam slots being adapted respectively upon manipulation of said lever to either side to cam said brake member into engagement with said reel.

2,203,605
DRIER AND OVERLAPPER
Robert J. Thompson, Harrisburg, Pa.
Application May 31, 1938, Serial No. 210,945
12 Claims. (Cl. 271—76)



1. A sheet-feeding device of the character described comprising a rotatable drum having a plurality of radially disposed sheet supporting devices, means for loosely positioning individual sheets of material upon successively presented sheet supporting devices during rotative travel of the drum, and means for periodically actuating said sheet supporting devices in such manner as to eject each sheet from the drum by a positive radial movement away from the center of the drum.

2,203,606
APPARATUS FOR COATING METAL STRIPS
Marshall G. Whitfield and Victor Sheshunoff, Knoxville, Tenn., assignors to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
Application September 24, 1936, Serial No. 102,433
18 Claims. (Cl. 91—12.1)



2. In an apparatus for coating a strip of metal with a coating metal, in combination with drive mechanism for the strip and a coating bath

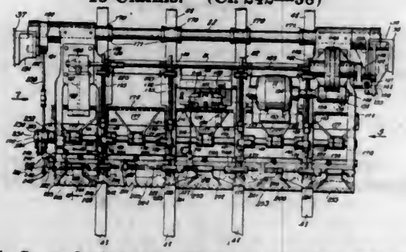
through which said strip is passed by said drive mechanism, means for thoroughly cleaning said strip in advance of treatment of said strip with reducing gas including means for heating said strip to form a blue oxide layer thereon, means for thereafter removing said oxide from said strip, and a furnace in which the cleaned strip is pretreated with a reducing gas before entering into said bath.

2,203,607

WEB SPLICING DEVICE

Henry A. Wise Wood, New York, N. Y., assignor to The Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application March 11, 1936, Serial No. 68,340
Renewed September 20, 1939
15 Claims. (Cl. 242—58)



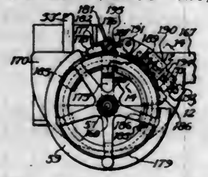
1. In a device for splicing a running web to a web roll, web pressing means, a main frame, a support for said means mounted on said frame and movable between idle and splicing positions, a reversible motor carried by the support, propelling gear driven by the motor and also carried by the support, said gear being adapted to react against the frame to move the support toward and from a splicing position in accordance with the direction of rotation of the motor.

2,203,608

FEEDING MECHANISM FOR GRINDING WHEEL TRUING APPARATUS

Wallace H. Wood, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Original application May 4, 1938, Serial No. 206,027. Divided and this application January 4, 1939, Serial No. 249,265
2 Claims. (Cl. 74—526)



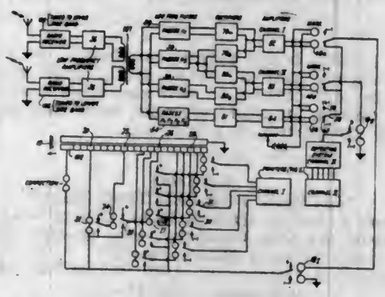
1. A lever stop mechanism for machine tools comprising an adjustable stop abutment positively to limit a movable machine part, an arcuate slideway therefor, a worm gear segment on said slideway, a casing pivotally supported on said slide, a worm rotatably supported on said casing and arranged to mesh with said gear segment, and a manually operable knob to actuate said worm to adjust the position of said stop abutment, said casing and worm being arranged so that the gear may be swung out of mesh with said segment to facilitate rapid repositioning of said stop abutment.

2,203,609

TELEGRAPH SYSTEM WITH REPETITION OF THE SIGNALS

Arjen Bakker, The Hague, and Hendrik Cornelis Antonie van Duuren, Noordwijkerhout, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

Application June 7, 1932, Serial No. 615,896
In the Netherlands June 11, 1931
16 Claims. (Cl. 250—8)



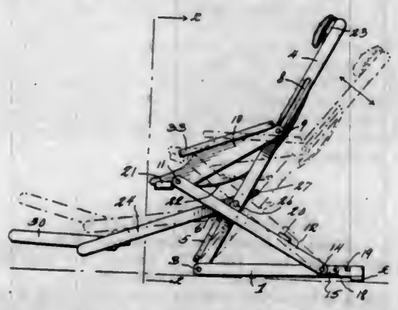
1. A multiple unit code telegraph system comprising means for producing marking signals of one frequency, means for producing spacing signals of a different frequency, repeating means for controlling the operation of the signal producing means to effect repeated transmission of the signals, means for receiving said signals, repeating means associated with the receiver for singly printing the received repeatedly transmitted signals, relays associated with the receiver repeating means adapted to supply marking or spacing current thereto, means operable upon reception of marking signals and upon reception of external disturbances of marking signal frequency for operating the relays to supply marking current to the receiver repeating means, means operable upon undisturbed reception of signals of a frequency exclusive of that of the marking signals for operating said relays to supply spacing current to the receiver repeating means, and means operable upon the failure to receive signals for setting the armatures of said relays to a position to supply only marking current to the receiver repeating means.

2,203,610

FOLDING CHAIR

Raymond E. Bascom and Hugh W. Bascom, Keene, Tex.

Application November 11, 1937, Serial No. 174,119
4 Claims. (Cl. 155—56)



1. A folding chair comprising a pair of spaced

base members, side legs pivotally connected to the forward end portions of the base members and extending upwardly and rearwardly when the chair is in use, additional side legs pivotally connected with the rear end portions of the base members and extending upwardly and forwardly when the chair is in use, links pivotally connected to the second leg and to the base members, said links providing an adjustment lengthwise of the base members of the operative connection between said second legs and the base members, and a seat structure operatively supported by both sets of legs.

2,203,611

22,23-DIBROMOSTIGMASTEROLACETATE AND A PROCESS OF PREPARING IT

Max Bockmühl, Gustav Ehrhart, Heinrich Ruschig, and Walter Aumüller, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 29, 1938, Serial No. 232,304. In Germany October 14, 1937
4 Claims. (Cl. 260—397)

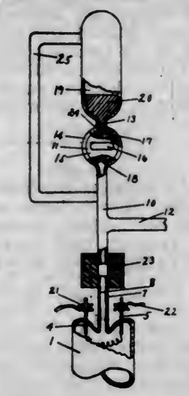
1. The process which comprises reacting sodium iodide in the presence of an organic solvent with an acyl ester of 5,6,22,23-tetrabromostigmasterol.

2,203,612

ELECTRIC DISCHARGE LAMP

James L. Cox, Danvers, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application May 4, 1939, Serial No. 271,698
2 Claims. (Cl. 250—27.5)



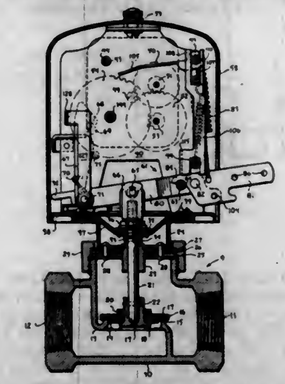
1. A mercury filling device for an electric gaseous discharge lamp having an exhaust tube, said apparatus comprising a resilient connection between said exhaust tube and exhaust apparatus, a tube extending upward from said resilient connection and substantially in line with said exhaust tube, said upward-extending tube terminating in a member having a recess sufficient to hold a drop of mercury, a mercury reservoir in contact with said member, and in position to fill said recess with mercury, and a second member to shear from the first member any mercury other than that in the recess, said first member being capable of dropping the mercury held in its recess, into the upwardly-extending tube when moved sufficiently.

2,203,613

MOTORIZED BURNER CONTROLLER

Benjamin Cyr, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 17, 1938, Serial No. 240,979
15 Claims. (Cl. 137—144)



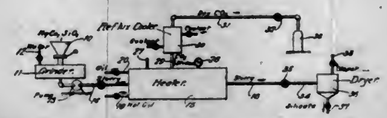
1. In a control system comprising a heater having a fuel burner and a damper, a valve biased to closed position for controlling the flow of fuel to the burner, electrically operated power means associated with said valve for opening said valve, means operatively connected to said valve and having a portion projecting outwardly from the power means, said outwardly projected portion being connected to said damper to control the position of the damper in accordance with the position of the valve, and means including a strain release connection between the outwardly projecting portion of said previously named means and the portion connected to said valve to prevent manual opening of said valve by manipulation of said projecting portion of said previously named means.

2,203,614

PROCESS FOR MAKING MAGNESIUM SILICATE PRODUCTS

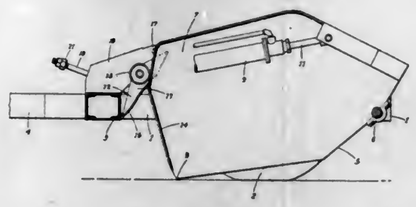
Norris Goodwin, Long Beach, Calif., assignor, by mesne assignments, to Hewlings Mumper and Lewis Cruickshank, Los Angeles, Calif.

Application May 6, 1930, Serial No. 450,155
5 Claims. (Cl. 23—110)



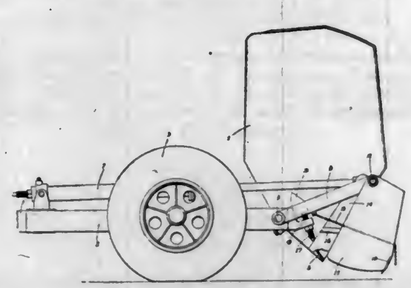
1. A process for making a magnesium silicate product which comprises grinding a natural magnesium carbonate-containing mineral substance to a particle size not greater than about 300 mesh and heating the finely divided mineral substance with finely divided silica and water in the form of a slurry at a temperature equivalent to a steam pressure greatly in excess of 150 pounds per square inch and not substantially below the neighborhood of 500 pounds per square inch until at least a major portion of the carbon dioxide content of the magnesium carbonate in said mineral substance is eliminated and at least a major portion of the magnesia content of said magnesium carbonate is converted to magnesium silicate.

2,203,615
DUMPING SCRAPER
Albert G. Gurries, Gilroy, Calif., assignor to Be-Ge Manufacturing Company, Gilroy, Calif., a copartnership comprising Albert G. Gurries and James A. Bussert
Application March 31, 1939, Serial No. 265,207
7 Claims. (Cl. 37—129)



6. A scraper including a supporting frame, a bowl mounted on the frame for vertical movement at its forward end to dispose said end in scraping and carrying positions alternately, an apron disposed in front of the bowl and mounted on the frame in position to form a closure with the bowl at its front end when the latter is in carrying position and movable forwardly from its closure forming position, and independent separable elements on the bowl and apron engageable with each other between carrying and scraping positions of the bowl to shift the lower end of the apron forwardly by lowering movement of the bowl from a carrying position.

2,203,616
SPREADING AND GRADING ATTACHMENT FOR SCRAPERS
Albert G. Gurries, Gilroy, Calif., assignor to Be-Ge Manufacturing Company, Gilroy, Calif., a copartnership composed of Albert G. Gurries and James A. Bussert
Application March 31, 1939, Serial No. 265,208
13 Claims. (Cl. 37—129)



1. In a scraper, a rear-dump bowl, means pivoting the bowl for tilting movement between scraping and dumping positions, means to thus tilt the bowl, a grading blade, means mounting the blade on the scraper for movement in a downward direction from a normally raised position, means between the bowl and blade mounting means to cause the blade to be lowered to an operative position behind the bowl as the latter is tilted toward a dumping position and with such tilting movement and forwardly projecting side wings rigid with the blade and overlapping the sides of the bowl at the rear end thereof.

2,203,617
PNEUMATIC TIRE
James E. Hale, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 18, 1936, Serial No. 111,407
16 Claims. (Cl. 152—209)



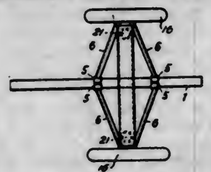
1. In combination with a tractor wheel, a pneumatic tire adapted to operate in soft, muddy soils, said tire consisting of a flexible casing of relatively large section, and having a tread portion formed with integral, somewhat flexible traction lugs arranged in a circumferential series thereon, said lugs having the shape of chevrons that are relatively widely spaced apart so as not to overlap each other, said lugs having a height that is approximately one-fifth of the total radial height of the cross-section of the tire, said tire being so mounted on the wheel that during the forward motion of the vehicle the apices of the chevrons point toward the rear of the wheel so that the tractive effort of the traction lugs will cause the mud to be extruded or forced to the sides of the tire, automatically cleaning same to prevent the space between the lugs becoming clogged with mud.

2,203,618
FISHING DEVICE
James B. Paxton, Huron, Ohio, assignor of one-half to Joseph S. Malik, Cleveland, Ohio
Application June 10, 1939, Serial No. 278,506
6 Claims. (Cl. 43—37)



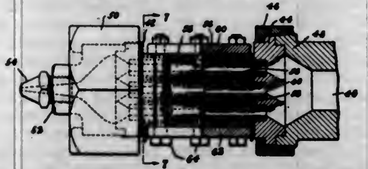
1. An angling device, comprising in combination: a line member having a primary arm, a secondary arm and a spring engaging an end of each of the said arms, the said spring tending to swing the arms apart, a hook member having a trip thereon and being linked to the said primary arm, and a trigger mechanism connected to the secondary arm, engageable with the said primary arm and releasable by the said trip.

2,203,619
MOUNTING FOR OSCILLATING MEMBERS
Kurt Schröter and Hans Schröter, Wechmar, Germany
Application December 6, 1938, Serial No. 244,212
In Germany January 23, 1935
15 Claims. (Cl. 267—19)



1. A mounting for a member adapted to oscillate about a tubular support, comprising a pair of approximately semicircular caps which embrace said support and one of which is connected to the oscillating member, a bolt and spring means for resiliently holding said caps together, whereby said member is pivotally connected with said support, said bolt passing through elongated holes in the support whereby the bolt can move relatively thereto upon oscillation of said member, and resilient means holding said member relatively to said support.

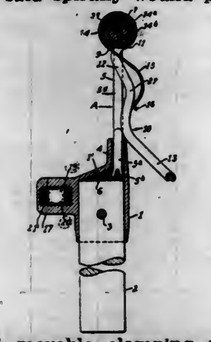
2,203,620
APPARATUS FOR TREATING THERMOPLASTIC PRODUCTS
Graydon Smith, Cambridge, Mass., assignor to Reed Prentice Corporation, Worcester, Mass., a corporation of Massachusetts
Application February 19, 1938, Serial No. 191,487
4 Claims. (Cl. 219—39)



1. An apparatus for heating moldable materials, which comprises a plurality of flattened superposed horizontal tubes, headers welded to the ends of said tubes, a continuous band of resistance wire wound among and around said tubes, and upper and lower plates bolted together and confining said flattened tubes between them, whereby said tubes are maintained in shape against high pressure.

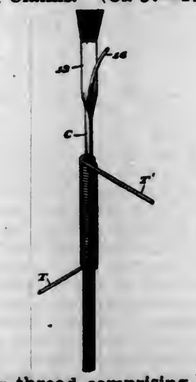
2,203,621
SPRING CLAMP
Oscar F. Tallman, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application August 19, 1937, Serial No. 159,922
4 Claims. (Cl. 24—253)

1. A clamp comprising a fixed clamping member formed from elongated material bent to provide the fixed clamping member with opposed side portions and a transverse portion located between the upper ends of said opposed side portions, a movable clamping member formed from elongated material bent to provide opposed portions provided with eyes at their upper ends which embrace said transverse portion of said fixed clamping member to pivotally attach said movable clamping member to said fixed clamping member, a spring element wound spirally about said transverse portion of said fixed clamping member and provided with a portion extended from said spirally wound portion which



engages said movable clamping member, and means fixedly supported by said transverse portion of said fixed clamping member and arranged in engagement with said spring element for anchoring said spring element to said transverse portion of said fixed clamping member.

2,203,622
RUBBER THREAD AND METHOD OF MAKING SAME
Georges S. Van Voorhis, Northampton, Mass., assignor to United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts
Application March 23, 1938, Serial No. 197,655
4 Claims. (Cl. 57—144)

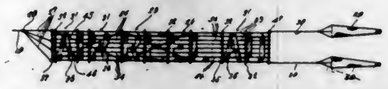


1. A rubber thread comprising a strip of rubber tape composed of a series of parallel rubber threads adhesively bonded to each other in a side by side relationship but not integrally united, said tape being curved longitudinally into an approximately tubular form, and means holding it in said form.

2,203,623
AERIAL ADVERTISING STREAMER
Edward Gustav Wiemer, Lynbrook, N. Y., assignor to John J. Gilson, Jr., Lynbrook, N. Y.
Application January 8, 1934, Serial No. 705,798
9 Claims. (Cl. 40—127)

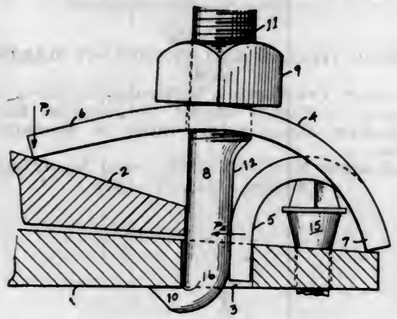
2. An aerial advertising device of the class described comprising a longitudinally elongated flexible streamer embodying a plurality of letter units each including a plurality of spaced substantially parallel stringer members provided

with disconnectible coupling means for securing corresponding stringers together and to which the material of the letter is secured, and a plurality of stringer members adapted for installation in said streamer to serve as spacing elements to separate selected units from each other to facilitate legibility.



8. In an aerial banner, a normally vertical spreader bar, a fabric strap doubled on itself to receive the rod, stitching passing through the double thickness of fabric to form a tab, and a transverse pin passing through the rod and fabric to hold the tab against longitudinal and rotary movement relative to the rod.

2,203,624
DOUBLE PRESSURE COMPENSATING RAIL FASTENING
Ralph P. Clarkson, New Rochelle, N. Y.
Application February 21, 1936, Serial No. 64,999
16 Claims. (Cl. 238—349)



1. An assemblage of the character described comprising a rail, a tie embedded in ballast, a tieplate providing line contact with the rail transversely thereof during wave motion of said rail, resilient means to clamp said rail to said tieplate comprising a rail fastener positioned on one side of said rail and another rail fastener positioned diagonally therefrom on the opposite side of the rail, each of said fasteners engaging said rail and said tieplate, means tending to provide a line of pressure between said tieplate and said tie at an angle to the rolling axis of said tie during the wave motion of said rail comprising an anchoring member engaging said tieplate and said tie on one side of the rail, another anchoring member engaging said tieplate and said tie diagonally from said first member and on the opposite side of the rail, two corner portions of said tieplate adjacent the resilient means being free.

5. In combination with a tieplate provided with an opening therethrough, a rail, and a resilient rail engaging member, of flexing and securing means for said member comprising a bolt positioned in said opening provided with an upwardly extending reduced shank having thereabove a threaded portion and, at the lower end, a detent lip portion with a flattened lip angle on one side only engaging the under side of said tieplate below the rail, the intermediate reduced portion of said shank being flattened and of less thickness, measured at right angles to the rail, than the corresponding dimension of said tieplate opening, whereby a clearance space is provided for the removal of said bolt, and means integral with said resilient rail engaging member extending into and substantially filling said clearance space of such nature that shifting of said bolt with consequent release of said detent lip engagement is prevented.

10. As an article of manufacture, a rail fastener member comprising a plate provided with a rail base engaging end and a tieplate engaging end constructed and arranged to rest on the top surface of the rail support when positioned, said plate being bowed in arch form from one said end to the other and an anchoring tongue struck downwardly from the metal of said plate and providing by its depression an opening at the top of said arch aligned with said tongue for the passage of a holding bolt, said tongue downwardly curving from the back of said plate and extending below the rest of the plate and below the top surface of the tieplate when positioned, constructed and arranged to enter a spike hole and bear against the edge of said hole and against the holding bolt.

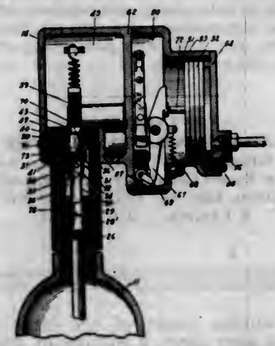
2,203,625
KNOCKDOWN BOX OR CRATE
Arthur C. Friedel, Syracuse, N. Y., assignor to J. F. Friedel Paper Box Company, Syracuse, N. Y., a corporation of New York
Application February 28, 1938, Serial No. 193,051
1 Claim. (Cl. 217—69)



In an end frame of a knockdown box or crate, a set of rails one for each side of the frame, and corner plates for coupling adjacent ends of the rails to each other, each of said corner plates comprising arms arranged in angular relation to each other, each arm having inner and outer side walls extending laterally from one side thereof in spaced relation to each other to form a channel receiving the adjacent end of the corresponding rail, said side walls having extensions at the upper or free edges thereof bent inwardly toward each other providing gripping fingers frictionally engaging adjacent portions of the bar, said arms also having upstanding projections rising from the plane of the bottom wall thereof and in the vertical plane of the gripping fingers extending into the corresponding channels, said rails having grooves in one side thereof receiving a corresponding arm projection therein for maintaining the rails against longitudinal movement in said channels with respect to the corner plate and to each other.

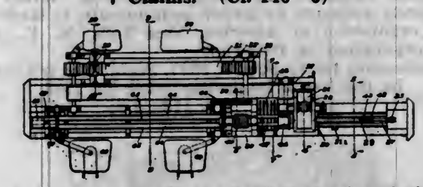
2,203,626
DISPENSING DEVICE
Harry Campbell Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application December 31, 1937, Serial No. 182,750
14 Claims. (Cl. 221—73.5)

1. In combination, a releasing system comprising a pressure medium container, a chambered valve body closing the container, a closure opening member secured to a support within the valve body out of contact with the valve closure and adapted to open the valve, explosive means within the valve body adapted to forcibly detach the closure opening member from its support, and pressure responsive mechanism secured to the



valve body and adapted to initiate an explosion in the valve.

2,203,627
FRUIT CUTTING MACHINE
Marshall C. Hjelte and Francis N. Todd, Honolulu, Territory of Hawaii, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of the Territory of Hawaii
Application November 30, 1938, Serial No. 243,053
7 Claims. (Cl. 146—6)

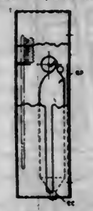


1. In apparatus for preparing cored and sized fruit blocks for packing, a die member adapted to sever bars longitudinally from the periphery of a said block forced axially therethrough to leave a complementary shaped central portion, and means for automatically feeding the blocks successively uniformly axially through said die member, said means comprising a centering rod adapted to fit freely within the core hole of a said block, means for automatically reciprocating said rod through the die from a position removed from the cutting end of the die, means operative between successive reciprocations of said rod to feed automatically a said block between the die and the end of said rod with the core hole of the block in axial alignment with said rod, and pusher means engageable with said block on entry of said rod into the core hole thereof to cause said block to advance forwardly with said rod through said die.

2,203,628
PRODUCTION OF BUTANE-POLYCARBOXYLIC ACIDS
Heinrich Hopff and Wilhelm Rapp, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 16, 1939, Serial No. 279,486. In Germany July 12, 1938
4 Claims. (Cl. 260—537)

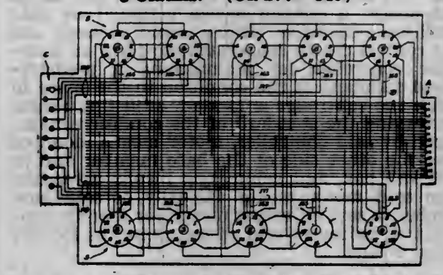
1. The process for the production of butane polycarboxylic acids which consists in oxidizing with nitric acid a Δ^4-cyclohexene hydrocarbon which is substituted in at least one of the positions 1 and 2 by a substituent of the group consisting of carboxylic, carboxylic anhydride, cyano and keto groups.

2,203,629
TOOTH PASTE DISPENSER
Raymond Isidore, Millvale, and William D. Faltz, Irwin, Pa.; said Faltz assignor to said Isidore
Application August 22, 1939, Serial No. 291,397
4 Claims. (Cl. 221—60)



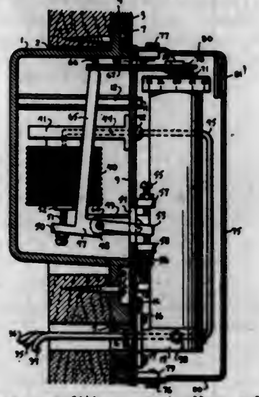
1. A tooth-paste dispenser comprising two floatingly mounted co-operating pressure rolls, one having a longitudinal eccentric slot therein, bearing wheels for the second roller to permit relative rotary and joint translatory movement of the second roller, reaction track means for the second roller, and means for rotating the main slotted roller.

2,203,630
ANNUNCIATOR
Thomas A. Keen, San Mateo, Calif., assignor to Hannah M. Smith, River Forest, Ill.
Application October 12, 1936, Serial No. 105,222
3 Claims. (Cl. 177—349)



1. A signalling device for signalling Arabic numerals and adapted to provide an improved, simplified representation of the said Arabic numerals, said signalling device comprising elements adapted to be operated to give a localized visual effect, said elements being arranged in six horizontal rows of four, eight of said elements being connected in pairs and providing twenty independently actuable signal units, a plurality of control switches, one of said switches corresponding to each of the Arabic numerals, each of said switches having not more than nine contacts adapted to be coincidentally energized upon operation of the switch, conductors extending from the contacts of each switch directly to said signal units and operable when each said switch is actuated to energize said elements in the form of one of the Arabic numerals, said paired elements being disposed with two of said pairs centrally located in the top and bottom rows, a third pair being located in adjacent relationship in an intermediate row, and a fourth pair being situated in vertically adjacent relationship in a side column.

2,203,631
CONDITION CONTROLLER
Norman A. Metzger, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 24, 1938, Serial No. 226,595
2 Claims. (Cl. 236—51)



1. A space condition controller adapted for mounting upon a wall, comprising a wall box occupying an opening in said wall, said wall box having an open side positioned substantially flush with the wall surface, a base member mounted upon the wall, said base member at least partly covering the open side of said wall box and being secured to said wall box, a condition responsive element mounted upon said base member on the side thereof remote from said wall box so as to be exposed to the air in said space, a control device actuated by said condition responsive element, said element and said control device cooperating to form an automatic controller for maintaining a predetermined standard of the condition in the space in which the controller is located, adjusting means for varying the standard of the condition maintained by said controller, motor means mounted upon the other side of the base member and in said wall box, and connecting means extending from said motor means laterally of said base member to said adjusting means for thereby providing actuation of said adjusting means by said motor means.

2,203,632
RECEPTACLE HOLDER
Clifford R. Munson and Arthur R. Gross, St. Paul, Minn.; said Gross assignor to said Munson
Application August 20, 1938, Serial No. 226,006
2 Claims. (Cl. 248—163)



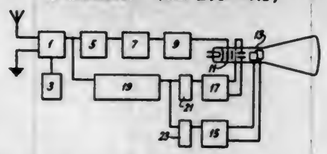
1. A holder of the class described comprising, a top ring, a plurality of legs each formed near its upper end to engage a horizontal surface of said ring at points spaced along said ring, a bolt securing each of said legs to said ring at a point spaced vertically and horizontally between said first-mentioned points of engagement with the ring and means rigidly connecting said legs together below said ring, said means affording a support for the bottom of a can or the like within said ring and said legs projecting down from said connecting means.

2,203,633
WAXED WRAPPING PAPER
Cecil M. Rhodes, St. Paul, Minn., assignor to Rapinwax Paper Company, Minneapolis, Minn.
Application July 15, 1935, Serial No. 31,360
2 Claims. (Cl. 91—68)



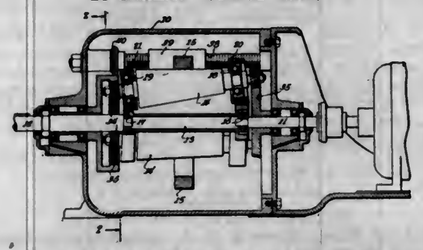
1. A wrapping paper of the class described, including a base sheet, a coating of latex rubber covering the sealing areas of said sheet, a second coating comprising a layer of wax covering the entire base sheet including the adhesive layer, said adhesive layer and wax coating being separate layers adapted to commingle only when correspondingly treated portions of the paper are brought together and the wax softened.

2,203,634
TELEVISION SYSTEM
Claude Langdon Richards, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 28, 1937, Serial No. 182,139
In the Netherlands December 30, 1936
3 Claims. (Cl. 178—7.5)



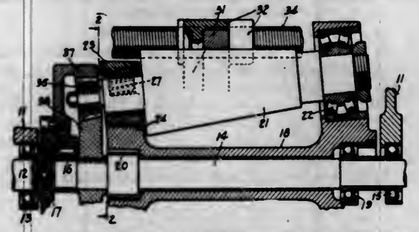
1. Television receiving apparatus for receiving video signals and synchronizing signals, the latter modulating the carrier wave in the opposite sense to that which the video signals modulate said carrier wave, comprising cathode ray means for reproducing the televised image from said video signals, means for deflecting said cathode ray, means for energizing said deflecting means, and means for controlling the action of said deflecting energizing means comprising a thermionic valve operated on a curved portion of its grid voltage-plate current curve, means for developing a control voltage representative of the instantaneous modulation value of said carrier, means for impressing the received signals onto a control element of the first-mentioned valve, and means for feeding a portion of the signal indicative of the instantaneous modulation value of the carrier to a control element of the first-mentioned valve, whereby for video signals the amplification of said valve decreases with an increasing amplitude of the modulated carrier, and whereby the synchronizing impulses affect the operation of said valve so that the valve is operated on a portion of its grid voltage-plate current curve, equal to the amplification obtained when the unmodulated carrier oscillation is impressed on said circuit, said feedback means comprising a filter adapted to feed only high and intermediate frequency oscillations.

2,203,635
VARIABLE SPEED TRANSMISSION
Walter P. Schmitter, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application January 6, 1936, Serial No. 57,688
16 Claims. (Cl. 74—281)



1. In a variable speed transmission the combination of a rotor, a plurality of conical planet members rotatable with and with respect to said rotor and inclined with respect to the axis of rotation thereof, driving means for said members, encircling means adjustable to regulate the speed ratio of the transmission, separate carrier frames for said members individually moveable to press said members against said encircling means, and driven means responsive to the motion of said members.

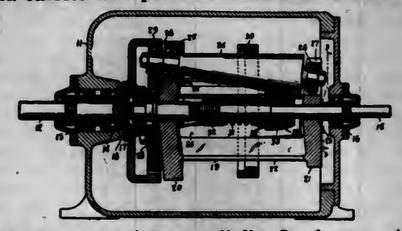
2,203,636
VARIABLE SPEED TRANSMISSION
Walter P. Schmitter, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application May 15, 1936, Serial No. 79,886
26 Claims. (Cl. 74—281)



1. In a variable speed transmission, the combination of a plurality of longitudinally tapered centrifugally urged planetary rollers, supporting means therefor, a ring encircling and contacting said rollers and shiftable lengthwise thereof, and additional means for urging said rollers toward said ring to induce pressure contact therebetween, said additional means and said supporting means being relatively positioned to vary the contact pressures between rollers and ring in response to ring movement as said ring is shifted lengthwise of said rollers.

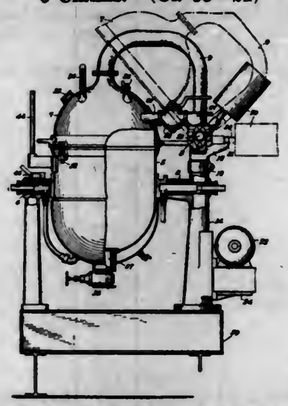
2,203,637
VARIABLE SPEED TRANSMISSION
Walter P. Schmitter and Alfred G. Bade, Milwaukee, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application January 23, 1937, Serial No. 121,927
9 Claims. (Cl. 74—281)

1. In a variable speed transmission the combination of a rotary carrier, an axially moveable control ring, a plurality of tapered relatively inclined planetary rollers rotatable with and with respect to said carrier and rockable radially of said carrier into pressure contact with said ring,



said carrier having a radially fixed support for one end of each of said rollers, and a pinion fixed to each roller adjacent said support.

2,203,638
VACUUM COOKING AND COOLING
John C. Smaltz, New York, N. Y., and Claude J. Covert, Glen Rock, N. J., assignors to Vacuum Candy Machinery Company, New York, N. Y., a corporation of New Jersey
Application January 21, 1939, Serial No. 252,082
6 Claims. (Cl. 53—21)

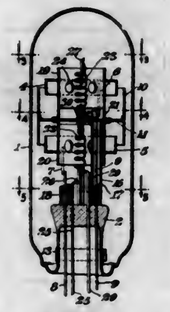


1. The herein disclosed method of cooking and cooling materials in the nature of pie fillings and containing thickening mediums which ordinarily separate out and become lumpy on forced cooling, which comprises completing the cooking of a batch of such material under partial vacuum and after discontinuance of heat, continuously increasing the degree of partial vacuum to effect continued boiling and rapid ebullition with reduction in pressure and lowering of temperature.

2,203,639
VACUUM TUBE CONSTRUCTION
Earl K. Smith, West Orange, N. J., assignor to Electrons, Inc., a corporation of Delaware
Application August 26, 1939, Serial No. 292,007
4 Claims. (Cl. 250—27.5)

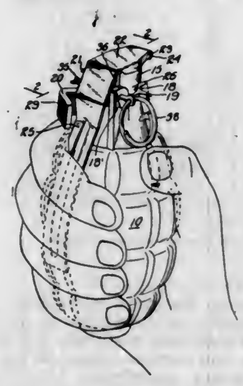
1. A full-wave rectifier comprising an envelope, a cathode having two axially aligned emitting surfaces, two axially aligned and axially concentric anodes, one surrounding and opposite to each emitting portion of the cathode and concentric therewith; and a shielding system consisting of an inner and an outer cylinder concentric with the anodes, each cylinder shielding both anodes and being divided by a diaphragm separating the opposite anodes from each other and each anode

from the cathode except its own opposite emitting surface, the entire shielding system being



electrically connected to both cathode emitting surfaces.

2,203,640
HAND GRENADE
John Hines, Astoria, Long Island, and Louis Segal, New York, N. Y., assignors to Charles M. Palmer, Washington, D. C.
Application December 27, 1939, Serial No. 311,208
12 Claims. (Cl. 102—29)



1. In a hand grenade, the combination of, a casing having a neck, a head secured to said neck, a spring controlled firing hammer pivoted to said head, a control arm having a cap removably seated on said head and including a depending backing disposed contiguous to said casing and cooperating with said hammer to hold the latter in a non-firing position, a locking member rotatably sustained on said neck and comprising projecting means extending laterally of and integral with said member and disposed adjacent said cap and head, said cap, head, and projecting means having alined apertures, said locking member having a crank arm comprising an outwardly extending lug and including a finger manipulatable latching arm integral with said lug and laterally overhanging the latter in angular relation thereto, and a pin removably threaded through said apertures to prevent reciprocable rotation of said member and movement of said latching arm over or from said backing.

2,203,641
STABLE EMULSION
Roland Kapp, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application October 23, 1937, Serial No. 170,595
16 Claims. (Cl. 252—6)

1. A stable emulsion comprising a polyvalent metal salt of a naphthenic compound, water and a sulfation product of an ester of naphthenic acids with an unsaturated compound, containing 8 or more carbon atoms, selected from the group consisting of monohydric fatty alcohols, hydroxy fatty acids and hydroxy fatty esters.

2,203,642
SULPHONATION PRODUCT
Roland Kapp, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application October 23, 1937, Serial No. 170,596
12 Claims. (Cl. 260—402)

8. An emulsifying, dispersing and wetting agent comprising essentially a water-soluble salt of a sulphation product of an ester of naphthenic acids with an unsaturated compound, containing at least 8 carbon atoms, selected from the group consisting of fatty alcohols, hydroxy fatty acids and hydroxy fatty esters.

2,203,643
THICKENED FOOD COMPOSITIONS AND METHOD FOR PRODUCING THEM
Albert Musher, New York, N. Y., assignor to Musher Corporation, Elizabeth, N. J.
No Drawing. Application September 26, 1938 Serial No. 231,639
11 Claims. (Cl. 99—144)

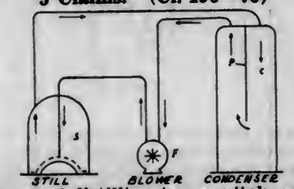
7. A process of making a thickened salad dressing emulsion said process comprising preparing a combination of water and a water absorbent material so as to form a final gelatinized product, and then mixing this gelatinized product with the salad dressing oil-in-water emulsion, and then mixing therewith a plastic solid fat so as to form a substantially improved salad dressing.

2,203,644
POCKET SEAL PRESS
Charles Priesmeyer, Park Ridge, Ill., assignor to Gustav A. J. Meyer, Chicago, Ill.
Refiled for abandoned application Serial No. 199,675, April 2, 1938. This application December 4, 1939, Serial No. 307,384
8 Claims. (Cl. 101—3)



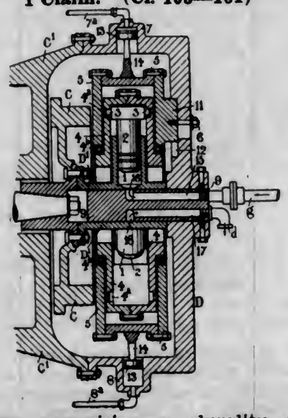
1. In a seal press of the class in which the upper die underlies and is supported by a flat and normally horizontal spring portion and in which the die is forced downward by a depressing movement of a roller which is movably supported above the spring, a spring having the said portion provided with a square perforation co-axial with the die, the die having a square riser stem extending upwardly into and wedged in the said perforation; and a generally flat pressure transmitting shoe provided with a bottom recess and having a flat frame-like bottom portion extending around the said recess and seated on the spring; the recess being of larger area than the said perforation and freely housing any portion of the said riser stem which extends above the spring, the shoe being detachably interlocked with portions of the spring to prevent a horizontal shifting of the shoe with respect to the spring.

2,203,645
PROCESS FOR THE DISTILLATION OF TAR OR PITCH
Otto Reynard, Darlington, England
Application January 27, 1938, Serial No. 187,251
In France and Germany July 13, 1937
5 Claims. (Cl. 196—76)



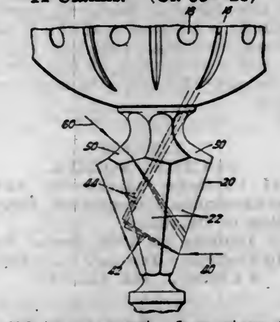
1. Process of distilling tar or pitch, which consists in circulating at a high velocity an inert gas, supersaturated with tar vapours, through the material being treated, said material being contained in a still, and through a plurality of condensers in series, atomising a desired quantity of condensate from the condensers and injecting it into the circulating medium at a point between the circulating device and the still, the condensers being maintained at such temperature that the amount of vapours condensed therein does not relieve the supersaturation of the circulating medium.

2,203,646
PUMP
Ernest Wallace Aspden, Blackpool, England
Application February 24, 1937, Serial No. 127,537
In Great Britain March 7, 1936
1 Claim. (Cl. 103—161)



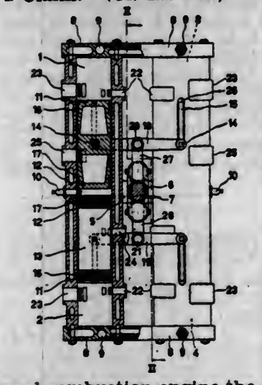
A pump comprising a plurality of radial cylinders and pistons rotating around a central axis forming a master pump, gudgeon pins projecting from the pistons and connected to follow an eccentric path relatively to the cylinders to give the necessary stroke to the pistons, a non-rotating casing capable of moving radially to the axis about which the cylinders rotate, a rotary casing, ball races between the rotary casing and the non-rotating casing upon which the rotary casing rolls, a guideway on the rotary casing in which the ends of the gudgeon pins are located, movement of the non-rotating casing varying the eccentricity of the guideway, an outer stationary casing, two diametrically opposite pistons connected to the non-rotating casing, cylinders in the outer stationary casing in which the pistons are located, a port in each cylinder for the supply and release of fluid pressure to move the pistons therein and a stop on the non-rotating casing engaging a slot in the outer stationary casing to prevent the diametrically opposite pistons from having more than a predetermined stroke.

2,203,647
ORNAMENTAL GLASSWARE
Andrew J. Cunningham, Eggertsville, N. Y., and Victor Walker, Fort Erie, Ontario, Canada, assignors to Alfred H. Sharpe, Buffalo, N. Y.
Application May 27, 1939, Serial No. 276,214
11 Claims. (Cl. 65—13)



3. A solid transparent glass stem for a beverage drinking glass comprising an element of polyhedronal geometric form having a transverse section in the form of a polygon with no directly opposed parallel sides.

2,203,648
INTERNAL COMBUSTION ENGINE
Franciscus Cornelis Dons, Amsterdam, Netherlands
Application March 3, 1938, Serial No. 193,636
In the Netherlands March 30, 1937
1 Claim. (Cl. 123—51)



In an internal combustion engine the combination of: two cylinders arranged side by side and

parallel to one another, two oppositely working pistons in each cylinder; and each cylinder having one combustion chamber at each end thereof and a third combustion chamber between the adjacent ends of the pistons therein; each piston being provided with outwardly projecting pins; transverse members connecting the pins of each piston in one cylinder with the corresponding pins of the corresponding piston in said other cylinder; a crank shaft arranged externally of and between said cylinders parallel to said pins; and connecting rods connecting said transverse members with cranks of said crank shaft.

2,203,649

ACID SOLUTION

Pieter Frederik Feikers, Dordrecht, Netherlands, assignor to Stikstofbindingsindustrie "Nederland" N. V., Kilkade, Zeehaven, Dordrecht, Netherlands

No Drawing. Application July 23, 1938, Serial No. 221,009. In the Netherlands July 28, 1937

6 Claims. (Cl. 148—8)

1. As a new pickling bath, an aqueous solution containing a substance of the group constituted by non-oxidizing acids and non-oxidizing acid salts and a substance of the group constituted by the alkylthiocyanates and the aralkylthiocyanates.

2,203,650

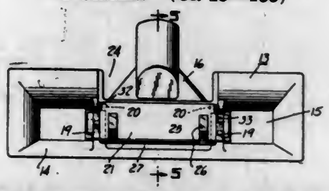
SUCTION NOZZLE

Axel Albert Forsberg, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application January 24, 1938, Serial No. 186,544

In Germany January 25, 1937

4 Claims. (Cl. 15—155)



1. In a suction nozzle, a hollow body having lips adapted to contact the surface being cleaned and defining a suction opening, and a member pivotally connected to said body and having a contour substantially the same as that of one of said lips, said member being swingable from a position in which it forms a portion of said one of said lips and is in contact with said surface to a position reducing the cross-sectional area of said opening, the distance from the free end of said member to the pivotal connection being substantially greater than the distance from said pivotal connection to the plane of said opening, whereby said member is prevented from pivoting when said opening is in contact with said surface.

2,203,651

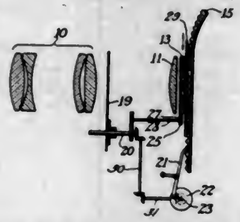
COLOR PROCESS AND CAMERA THEREFOR

John G. Capstaff, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 2, 1938, Serial No. 217,290

2 Claims. (Cl. 88—16.4)

1. A photographic camera for exposing lenticular color film comprising in operative combination, an image forming objective, an exposure window in the path of light transmitted by the objective, and a color screen in front of and adjacent to said window, said screen comprising a transparent support provided on its rear surface with lenticulations of substantially the same size as the lenticulations on the film to be exposed and provided on its front surface with a three color line screen in registration with each lenticulation on its other surface said support having a thickness substantially equal to the focal length of its lenticulations, whereby when a sensitive lenticular film is placed in said window with its



lenticulations facing light transmitted by the objective said color screen is imaged in the sensitive layer behind each lenticulation of said film, shutter means operable to expose intermittently said film to light transmitted by the objective, means for advancing said film between exposures, and means actuated in timed relation with said shutter means for moving said screen in its plane and perpendicular to the axes of its lenticulations during each exposure a distance at least equal to the width of one lenticulation.

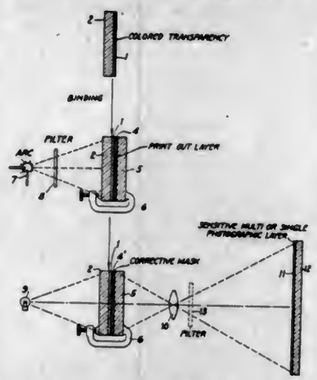
2,203,652

COLOR CORRECTION

George Ehrenfried, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 6, 1939, Serial No. 249,622

5 Claims. (Cl. 95—2)



1. The method of making a color corrected photographic image from a colored transparency which comprises binding an unexposed print-out layer in contact with the transparency, exposing the print-out layer through the transparency to form a masking image in register with the transparency, the spectral sensitivity of the print-out layer and the color of the exposing light being such that the masking image corresponds to a correcting color, exposing a sensitive photographic layer in printing relation to the transparency as masked and developing this latter layer.

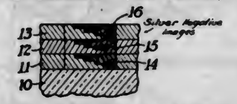
2,203,653

INTEGRAL MASK FOR COLOR FILM

Ralph M. Evans, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 27, 1937, Serial No. 139,252

3 Claims. (Cl. 95—2)



1. A photographic element for printing a colored image having substantially the same color values as the original subject, comprising three superposed gelatin layers containing positive substantially pure dye images which together form a natural-color image of the subject, and at least one metallic gold negative image of the subject, having sufficient density to serve as a correcting mask on printing and being inert to silver solvents, in the same photographic layers.

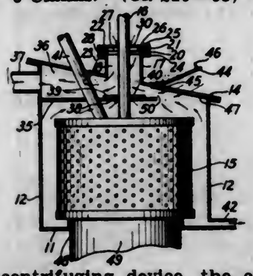
2,203,654

VENTILATING DEVICE FOR CENTRIFUGE CASINGS

Frederick W. Kunkel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 30, 1938, Serial No. 248,466

6 Claims. (Cl. 210—63)



1. In a centrifuging device, the combination with a casing having a top, a door on said top, a rotatable basket positioned within said casing and adapted to hold material to be centrifuged, a basket driving spindle extending through said top, of a ventilating duct having a portion thereof positioned within said casing so that said spindle passes therethrough to provide an air seal for said spindle, and a main vent opening for said duct adjacent said door.

2,203,655

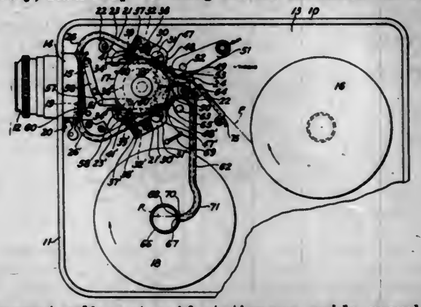
PHOTOGRAPHIC APPARATUS

Aloysius E. Lechleitner and Lawrence R. Martin, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 8, 1938, Serial No. 239,528

11 Claims. (Cl. 88—17)

1. In a photographic apparatus the combination with a support, a film gate, a supply roll of film, a sprocket for feeding the film from said supply roll to and through said gate, of a threading and loop forming means between said sprocket and said gate, said means including a stationary guide member on said support and extending between said sprocket and said gate adapted to be engaged by said film for directing the same, said guide member having a straight portion substantially tangential to said sprocket adapted to hold the film strip in engagement with the teeth of the sprocket, and a curved portion immediately in advance of said gate, and a loop forming means mounted on said support to move to and from the periphery of said sprocket between a loop forming and a threading position, respectively, said loop forming means mounted on said



support adjacent said stationary guide member, whereby it is adapted to move across the plane of the straight portion thereof and to the rear side thereof when moved to its threading position, and is adapted to engage the film and move the same out of engagement with said stationary guide member when moved to its loop forming position.

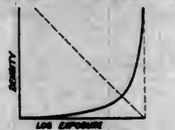
2,203,656

COLOR CORRECTION PROCESS

David L. MacAdam and Cyril J. Staud, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Original application April 10, 1937, Serial No. 136,168. Divided and this applicaton August 11, 1939, Serial No. 289,656

4 Claims. (Cl. 95—2)



1. The method of producing a photographically corrected color component image of a colored object, which comprises forming in a "toe emulsion" type gelatino-silver-halide emulsion a negative image of one of the primary color components of a colored object, forming a positive image of another of the primary color components of the colored object in an ordinary gelatino-silver-halide emulsion, the images being superposed and in register, and printing both images onto a "toe emulsion" gelatino-silver-halide emulsion.

2,203,657

CURTAIN SHUTTER

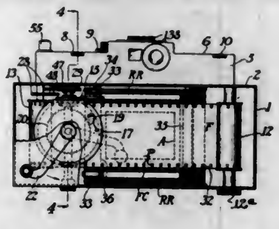
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 7, 1938, Serial No. 212,269

22 Claims. (Cl. 95—57)

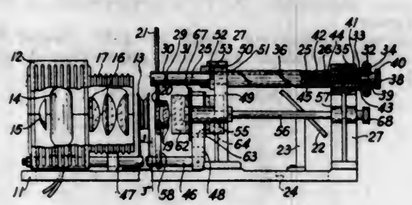
1. In a focal plane shutter, the combination with a pair of curtain shutters, spring driven rollers, one for each curtain, supporting rollers for the opposite ends of said curtains, separate means for holding each curtain in a tensioned position, a releasing means for each curtain op-

erable one after the other, and means for establishing a slit between said curtains after one curtain is released and including a clutch means between the rollers for holding ends of the curtains, said clutch comprising a pawl operable only after movement of one curtain and carried



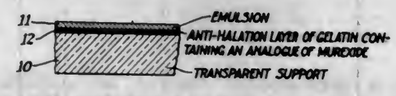
on one roller and a ratchet on the other roller, the ratchet including a plurality of unevenly arranged teeth spaced to space the two curtains to form slots of predetermined widths between the ends of the curtains to effect different predetermined exposures.

2,203,658
LENS SHIFTING AND FOCUSING MECHANISM
Alvin E. Schubert, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 9, 1938, Serial No. 194,898
20 Claims. (Cl. 88—24)

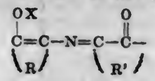


1. In a projecting apparatus, the combination with a base, a film gate mounted on said base, of a lamphouse having a light source positioned therein, a condenser lens assembly mounted on said lamphouse and on the optical axis of said light source, means for slidably supporting said lamp house on said base, a disk positioned on the opposite side of said gate from said lamp house, said disk having mounted thereon a plurality of projecting lenses of different focal lengths, means mounted on said base for both rotating said disk to bring one of said projecting lenses into alignment with said optical axis and for moving said aligned lens said lamp housing, and said assembly along said axis, and means for independently moving said disk along said axis relative to said housing and assembly.

2,203,659
PHOTOGRAPHIC ANTIHALATION LAYER
Samuel E. Sheppard and Robert C. Houck, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 12, 1939, Serial No. 267,479
9 Claims. (Cl. 95—9)

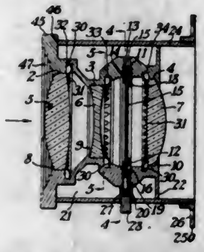


1. A photographic element comprising a support, a sensitive emulsion layer thereon, and a layer of unsensitized gelatin thereon uniformly colored with a compound of the general formula:



where R and R' represent the atoms necessary to complete a ring structure and X represents an alkali metal radical.

2,203,660
OBJECTIVE MOUNT
D'Arcy A. Young, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 8, 1938, Serial No. 239,535
12 Claims. (Cl. 88—57)

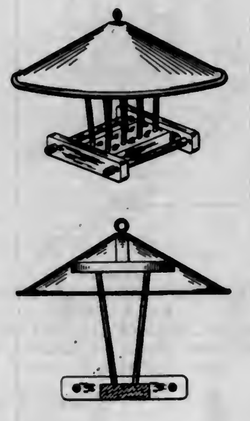


1. A lens mount for photographic objectives comprising a pair of similarly shaped semi-cylindrical members assembled into a tubular lens mount, similar matching grooves in each member of arcuate shape forming cylindrical grooves in the lens mount for supporting lenses, each groove including a wall at an angle to the axis of the lens mount for determining the position of a lens, means including a spring washer for holding a lens surface against said lens locating wall, each of the semi-cylindrical members including similarly positioned engaging members carried on outside walls, and a hollow member substantially complemental in shape to the engaging members carried on the outside walls of the semi-cylindrical members whereby the latter may be held in frictional engagement by the outside member by telescoping the semi-cylindrical members thereinto.

DESIGNS

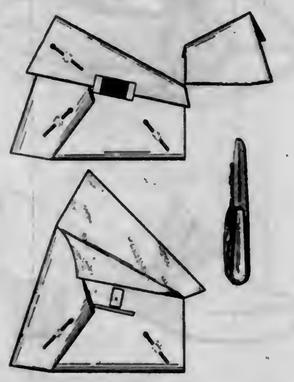
JUNE 4, 1940

120,852
DESIGN FOR A BIRD FEEDING RACK
Welles L. Bishop, Meriden, Conn.
Application February 28, 1940, Serial No. 90,582
Term of patent 3½ years



The ornamental design for a bird feeding rack, as shown.

120,853
DESIGN FOR A LADY'S HANDBAG OR SIMILAR ARTICLE
Benjamin Robert Brody, New York, N. Y., assignor to Harry Rosenfeld, Inc., a corporation of New York
Application April 8, 1940, Serial No. 91,532
Term of patent 3½ years



The ornamental design for a lady's handbag or similar article, as shown and described.

120,854
DESIGN FOR A LADY'S SHOULDER HANDBAG OR SIMILAR ARTICLE
Benjamin Robert Brody, New York, N. Y., assignor to Harry Rosenfeld, Inc., a corporation of New York
Application April 8, 1940, Serial No. 91,533
Term of patent 3½ years



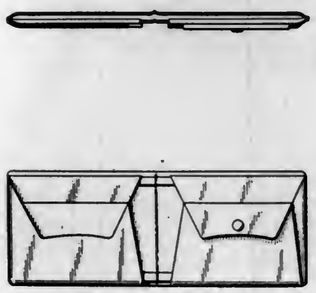
The ornamental design for a lady's shoulder handbag or similar article, as shown and described.

120,855
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.
Application March 21, 1940, Serial No. 91,117
Term of patent 14 years



The ornamental design for a flexible pocket receptacle, substantially as shown and described.

120,856
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.
Application March 21, 1940, Serial No. 91,118
Term of patent 14 years



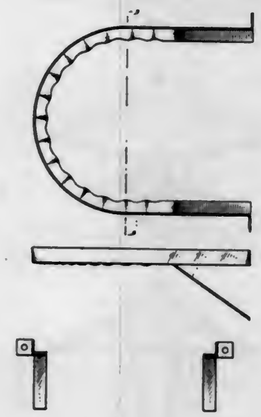
The ornamental design for a flexible pocket receptacle, substantially as shown and described.

120,857
DESIGN FOR A BICYCLE STAND
Berry Cohen, Atlanta, Ga.
Application April 1, 1940, Serial No. 91,408
Term of patent 14 years



The ornamental design for a bicycle stand, as shown and described.

120,858
DESIGN FOR A HOLDER FOR GARBAGE CANS
Frank Crossley, Philadelphia, Pa.
Application April 6, 1940, Serial No. 91,522
Term of patent 3½ years



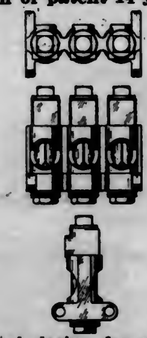
The ornamental design for a holder for garbage cans, substantially as shown.

120,859
DESIGN FOR A SLIPPER
Harry Feifer, Passaic, N. J.
Application March 19, 1940, Serial No. 91,058
Term of patent 3½ years



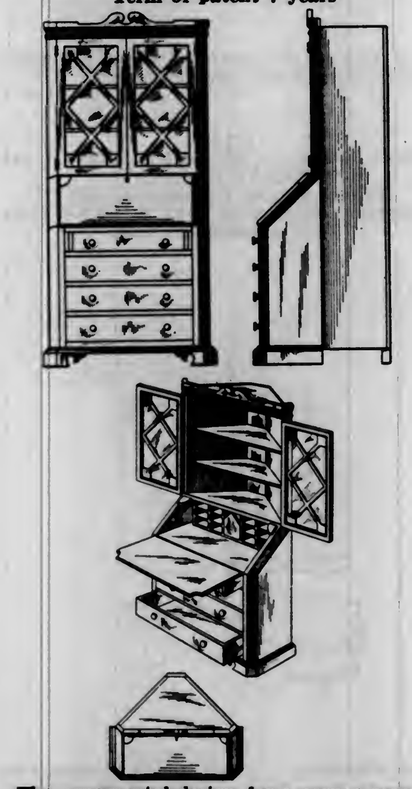
The ornamental design for a slipper, substantially as shown.

120,860
DESIGN FOR A LUBRICATOR SIGHT FEED
Bengt E. Folke, Mamaroneck, N. Y., assignor to Nathan Manufacturing Company, New York, N. Y., a corporation of New York
Application April 3, 1940, Serial No. 91,443
Term of patent 14 years



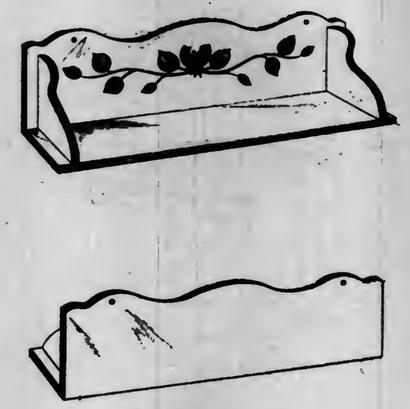
The ornamental design for a lubricator sight feed, substantially as shown.

120,861
DESIGN FOR A CORNER SECRETARY OR THE LIKE
Mack E. Garner, Newport News, Va.
Application March 19, 1940, Serial No. 91,075
Term of patent 7 years



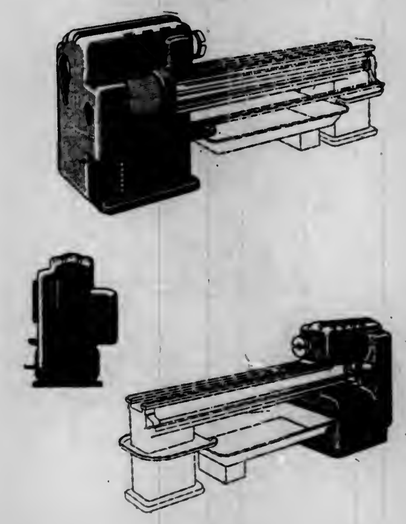
The ornamental design for a corner secretary or the like, as shown.

120,862
DESIGN FOR A COMBINED SHELF AND SUPPORT THEREFOR
George Heisler, Wooster, Ohio, assignor to The Fredericksburg Art Pottery Company, Fredericksburg, Ohio, a corporation of Ohio
Application March 11, 1940, Serial No. 90,833
Term of patent 3½ years



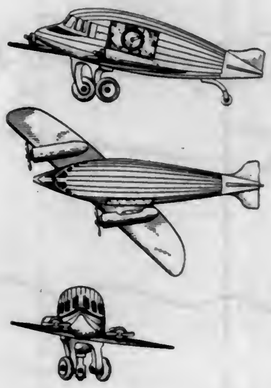
The ornamental design for a combined shelf and support therefor, as shown.

120,863
DESIGN FOR A LATHE
William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio
Application October 24, 1939, Serial No. 87,831
Term of patent 14 years



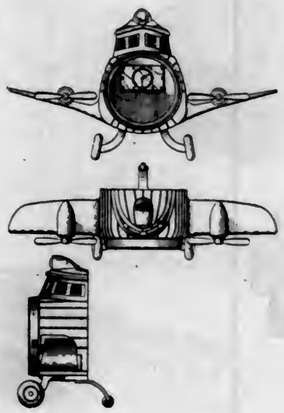
The ornamental design for a lathe, as shown and described.

120,864
DESIGN FOR A CLOCK OR SIMILAR ARTICLE
Kate Lerman, Chicago, Ill.
Application March 15, 1940, Serial No. 90,931
Term of patent 7 years



The ornamental design for a clock or similar article, substantially as shown.

120,865
DESIGN FOR A CLOCK OR SIMILAR ARTICLE
Kate Lerman, Chicago, Ill.
Application March 15, 1940, Serial No. 90,932
Term of patent 7 years



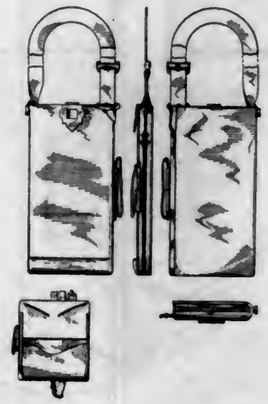
The ornamental design for a clock or similar article, substantially as shown.

120,866
DESIGN FOR A VEHICLE HEATER
George R. Lippitt, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 22, 1939, Serial No. 85,128
Term of patent 7 years



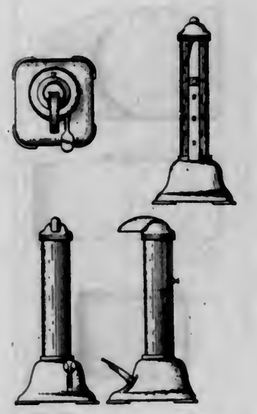
The ornamental design for a vehicle heater, substantially as shown and described.

120,867
DESIGN FOR A COMBINATION MONEY AND TICKET HOLDER
Harold J. Lyon, Los Angeles, Calif.
Application December 20, 1939, Serial No. 89,041
Term of patent 3½ years



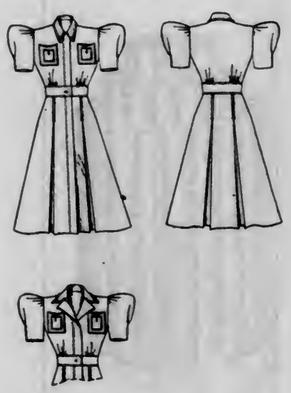
The ornamental design for a combination money and ticket holder, substantially as shown and described.

120,868
DESIGN FOR A DISPENSING DEVICE OR SIMILAR ARTICLE
Anthony Marra, Flower Hill, N. Y.
Application March 6, 1940, Serial No. 90,724
Term of patent 3½ years



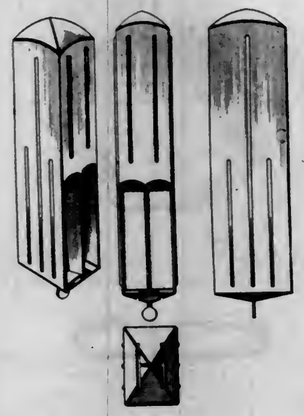
The ornamental design for a dispensing device or similar article, as shown.

120,869
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 3, 1940, Serial No. 91,421
Term of patent 3½ years



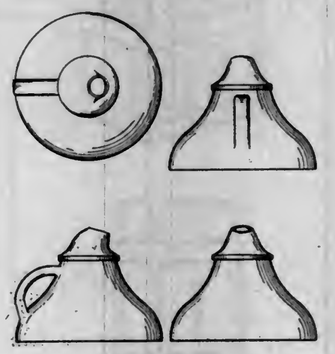
The ornamental design for a dress, substantially as shown and described.

120,870
DESIGN FOR A BRUSH CABINET
James M. Nixon, Asheville, N. C.
Application March 24, 1939, Serial No. 83,813
Term of patent 3½ years



The ornamental design for a brush cabinet, as shown.

120,871
DESIGN FOR A VAPORIZER
Frederick E. Owen, East Palestine, Ohio
Application December 18, 1939, Serial No. 88,982
Term of patent 14 years



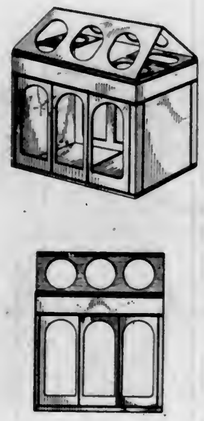
The ornamental design for a vaporizer, as shown.

120,872
DESIGN FOR A FLOWER BOWL OR SIMILAR ARTICLE
Willis O. Prouty, Hermosa Beach, Calif.
Application March 20, 1940, Serial No. 91,108
Term of patent 14 years



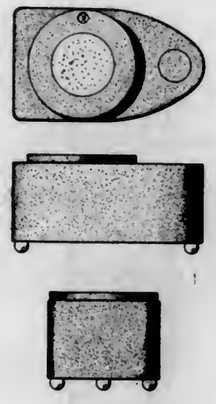
The ornamental design for a flower bowl or similar article, substantially as shown.

120,873
DESIGN FOR A DISPLAY BOX
Arthur Rous, New York, N. Y.
Application August 5, 1938, Serial No. 79,132
Term of patent 3½ years



The ornamental design for a display box, as shown and described.

120,874
DESIGN FOR A CIGARETTE DISPENSER
Harry Rubin, New York, N. Y.
Application February 21, 1940, Serial No. 90,399
Term of patent 3½ years



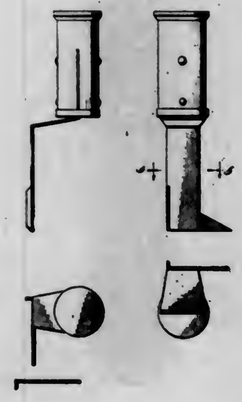
The ornamental design for a cigarette dispenser, substantially as shown.

120,875
DESIGN FOR A COMBINED ADVERTISING AND VENDING DEVICE
Abraham N. Spánel, New York, N. Y.
Application April 3, 1940, Serial No. 91,436
Term of patent 14 years



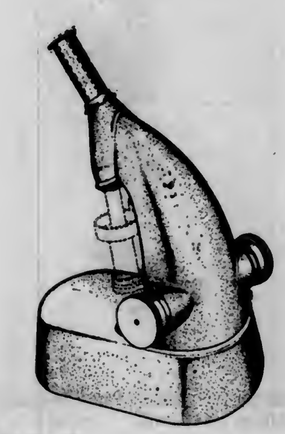
The ornamental design for a combined advertising and vending device, as shown.

120,876
DESIGN FOR A WEEDING KNIFE
Erwin Tuller, Beaverton, Oreg.
Application March 15, 1940, Serial No. 90,976
Term of patent 14 years

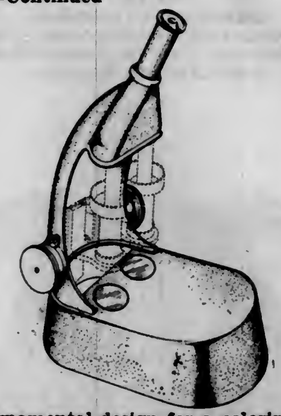


The ornamental design for a weeding knife, as shown.

120,877
DESIGN FOR A COLORIMETER
Stanley J. Bailey, Snyder, and Roger S. Estey, Buffalo, N. Y., assignors to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application February 14, 1940, Serial No. 90,256
Term of patent 14 years



120,877—Continued



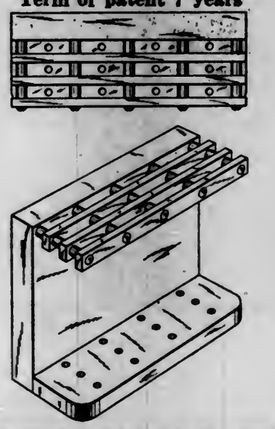
The ornamental design for a colorimeter, substantially as shown and described.

120,878
DESIGN FOR A LINKED CHAIN OR SIMILAR ARTICLE
David Cooper, Brooklyn, N. Y.
Application April 17, 1940, Serial No. 91,739
Term of patent 3½ years



The ornamental design for a linked chain or similar article, as shown.

120,879
DESIGN FOR A MERCHANDISING DISPLAY BRACKET
Claud E. Drake, Brentwood, Mo.
Application March 13, 1940, Serial No. 90,881
Term of patent 7 years



The ornamental design for a merchandising display bracket, substantially as shown.

120,880
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application May 4, 1940, Serial No. 92,129
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,881
DESIGN FOR A LACE TRIMMING OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application May 3, 1940, Serial No. 92,096
Term of patent 3½ years



The ornamental design for a lace trimming or similar article, as shown.

120,882
DESIGN FOR A LACE TRIMMING OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application May 3, 1940, Serial No. 92,097
Term of patent 3½ years



The ornamental design for a lace trimming or similar article, as shown.

120,883
DESIGN FOR A LACE TRIMMING OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application May 3, 1940, Serial No. 92,098
Term of patent 3½ years



The ornamental design for a lace trimming or similar article, as shown.

120,884
DESIGN FOR A LACE TRIMMING OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application May 3, 1940, Serial No. 92,099
Term of patent 3½ years



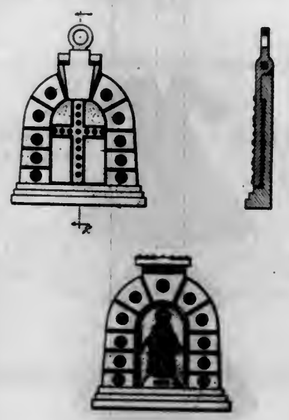
The ornamental design for a lace trimming or similar article, as shown.

120,885
DESIGN FOR SUNGLASSES
Jack Galter, Chicago, Ill.
Application March 9, 1940, Serial No. 90,788
Term of patent 3½ years



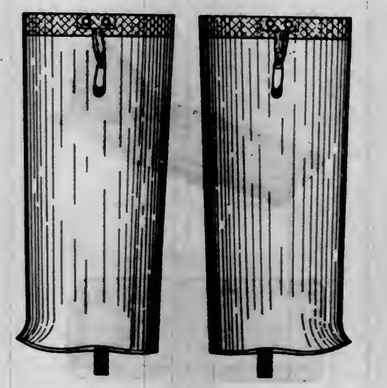
The ornamental design for sunglasses, substantially as shown.

120,886
DESIGN FOR A MEDAL
Theodore C. Glaser, Newark, N. J.
Application April 16, 1940, Serial No. 91,705
Term of patent 14 years



The ornamental design for a medal, as shown.

120,887
DESIGN FOR A LEG GARMENT PROTECTOR
Josephine M. Greziak, Omaha, Nebr.
Application March 20, 1940, Serial No. 91,109
Term of patent 3½ years



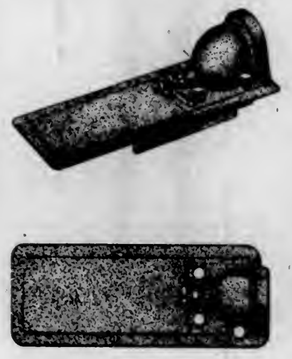
The ornamental design for a leg garment protector, as shown.

120,888
DESIGN FOR A HOUSE COAT OR SIMILAR ARTICLE
Marie F. Hauck, Chicago, Ill., assignor to Walter M. Gotsch Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1940, Serial No. 90,536
Term of patent 3½ years



The ornamental design for a house coat or similar article, as shown.

120,889
DESIGN FOR A PINKING MACHINE
William T. Maxant, Ayer, Mass.
Application September 12, 1939, Serial No. 87,161
Term of patent 14 years



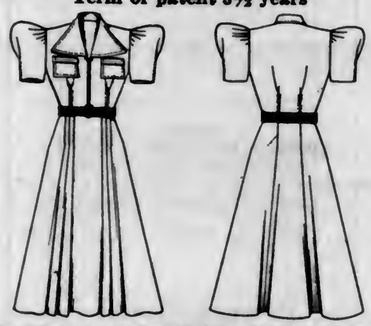
The ornamental design for a pinking machine, as shown.

120,890
DESIGN FOR A STRETCHABLE BRAID
Milton S. Mindell, New York, N. Y.
Application April 27, 1940, Serial No. 91,990
Term of patent 3½ years



The ornamental design for a stretchable braid, substantially as shown.

120,891
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 3, 1940, Serial No. 91,424
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,892
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 16, 1940, Serial No. 91,696
Term of patent 3½ years



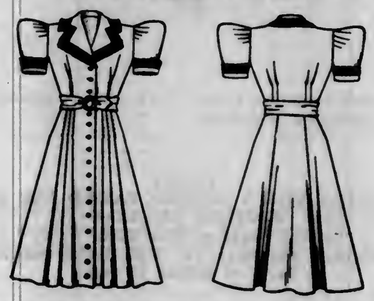
The ornamental design for a dress, substantially as shown.

120,893
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 16, 1940, Serial No. 91,697
Term of patent 3½ years



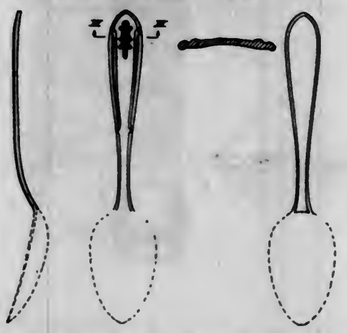
The ornamental design for a dress, substantially as shown.

120,894
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 16, 1940, Serial No. 91,701
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,895
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Otho M. Otte, Tarentum, Pa.
Application April 4, 1940, Serial No. 91,465
Term of patent 7 years



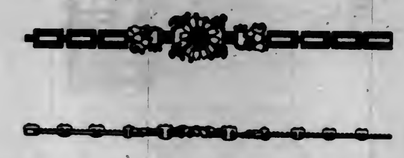
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

120,896
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application April 11, 1940, Serial No. 91,602
Term of patent 3½ years



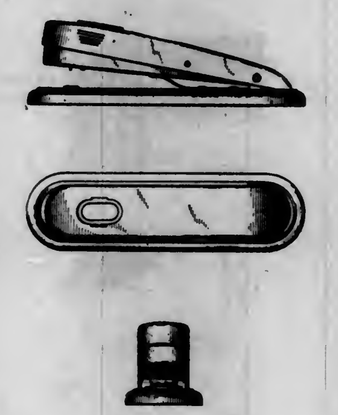
The ornamental design for a bracelet, substantially as shown.

120,897
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application April 11, 1940, Serial No. 91,603
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

120,898
DESIGN FOR A STAPLER
Henry Ruskin, Chicago, Ill., assignor to Metal Specialties Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application March 25, 1940, Serial No. 91,230
Term of patent 7 years



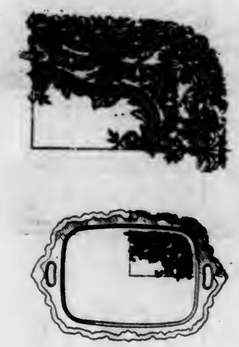
The ornamental design for a stapler, as shown.

120,899
DESIGN FOR A MECHANICAL PENCIL OR SIMILAR ARTICLE
Lawrence Wilson Saulsbury, Valley Stream, N. Y., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application March 29, 1940, Serial No. 91,337
Term of patent 7 years



The ornamental design for a mechanical pencil or similar article, substantially as shown and described.

120,900
DESIGN FOR A TRAY OR OTHER ARTICLE OF HOLLOW WARE
Jean G. Theobald, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application April 13, 1940, Serial No. 91,672
Term of patent 14 years



The ornamental design for a tray or other article of hollow ware, substantially as shown and described.

120,901
DESIGN FOR A SHOE
Delia F. Whatmore, Seattle, Wash.
Application October 19, 1939, Serial No. 87,740
Term of patent 14 years



The ornamental design for a shoe, substantially as shown and described.

120,902
DESIGN FOR A DOUBLE ENDED JAR OR SIMILAR ARTICLE
Albert Abrams, New York, N. Y.
Application February 24, 1938, Serial No. 75,363
Term of patent 14 years



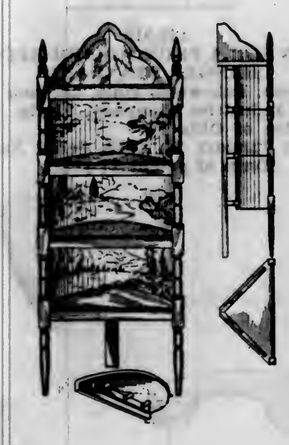
The ornamental design for a double ended jar or similar article, as shown.

120,903
DESIGN FOR A LIGHT TRANSMITTING GLOBE
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application April 5, 1939, Serial No. 84,051
Term of patent 14 years



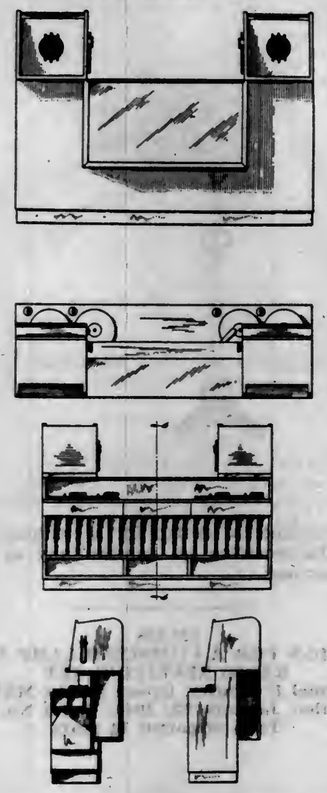
The ornamental design for a light transmitting globe, substantially as shown and described.

120,904
DESIGN FOR AN ILLUMINABLE WHATNOT
Hartsell Walter Beaver, Statesville, N. C.
Application March 12, 1940, Serial No. 90,862
Term of patent 7 years



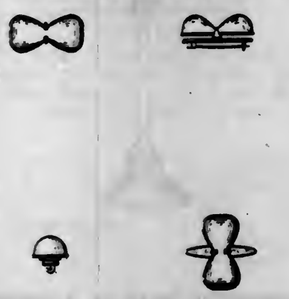
The ornamental design for an illuminable whatnot, as shown.

120,905
DESIGN FOR A COMBINATION DISK RECORD DISPLAY AND SALES COUNTER
Aaron Bitter, Long Island City, N. Y.
Application March 4, 1940, Serial No. 90,671
Term of patent 7 years



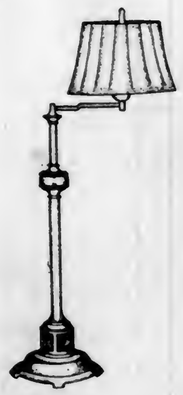
The ornamental design for a combination disk record display and sales counter, as shown.

120,906
DESIGN FOR A BROOCH
George M. Carson, Providence, R. I.
Application March 26, 1940, Serial No. 91,246
Term of patent 3½ years



The ornamental design for a brooch, substantially as shown.

120,907
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application January 22, 1940, Serial No. 89,637
Term of patent 14 years



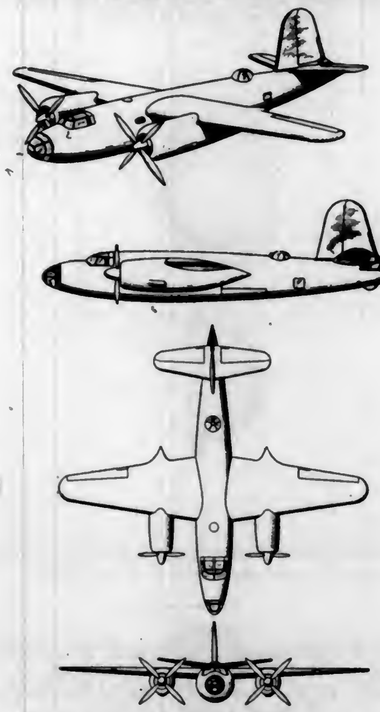
The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

120,908
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application January 22, 1940, Serial No. 89,638
Term of patent 14 years



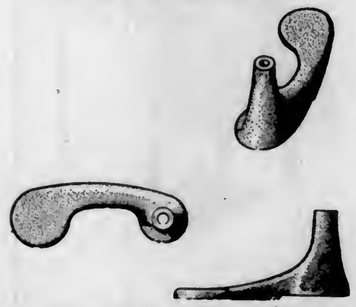
The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

120,909
DESIGN FOR AN AIRPLANE
William K. Ebel, Kingsville, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application April 17, 1940, Serial No. 91,731
Term of patent 14 years



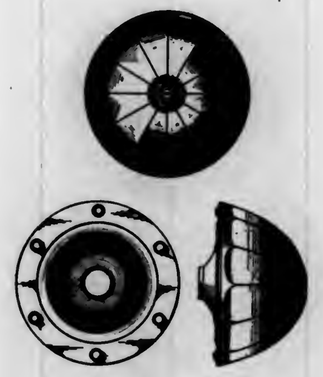
The ornamental design for an airplane, substantially as shown.

120,910
DESIGN FOR A PHONOGRAPH RECORD CHANGER STANDARD
Lee B. Green, Lakewood, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application January 24, 1940, Serial No. 89,685
Term of patent 14 years



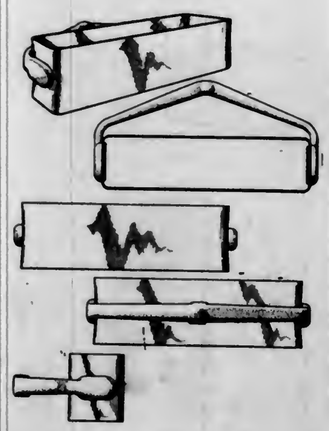
The ornamental design for a phonograph record changer standard, substantially as shown.

120,911
DESIGN FOR A HORN HOUSING OR SIMILAR ARTICLE
Lyndon V. Grover, Los Angeles, Calif.
Application March 11, 1940, Serial No. 90,825
Term of patent 7 years



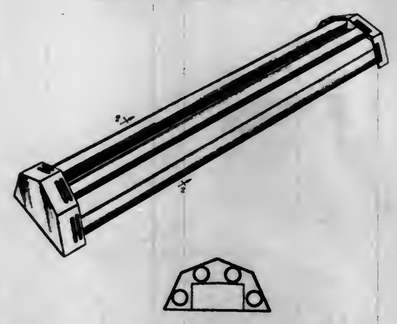
The ornamental design for a horn housing or similar article, as shown.

120,912
DESIGN FOR A COMBINED ILLUMINATING LAMP SHADE AND SUPPORTING BRACKET
John A. Heckman and Bengt Arvidson, Elmhurst, Ill.
Application March 13, 1940, Serial No. 90,882
Term of patent 7 years



The ornamental design for a combined illuminating lamp shade and supporting bracket, substantially as shown.

120,913
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Leonard F. Hirsh, Philadelphia, Pa.
Application March 23, 1940, Serial No. 91,190
Term of patent 7 years



The ornamental design for a fluorescent lighting fixture, substantially as shown.

120,914
DESIGN FOR AN ASH TRAY
George J. Horther, Flushing, N. Y.
Application January 20, 1940, Serial No. 89,608
Term of patent 7 years



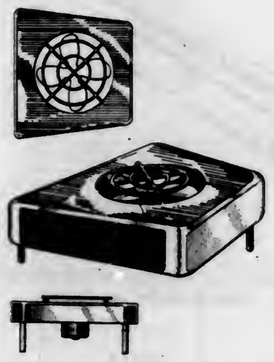
The ornamental design for an ash tray, as shown.

120,915
DESIGN FOR A WATER-FAUCET FILTER
Samuel Lieberman, Roxbury, Mass.
Application March 26, 1940, Serial No. 91,254
Term of patent 7 years



The ornamental design for a water-faucet filter, substantially as shown.

120,916
DESIGN FOR A VEHICLE HEATER
George R. Lippitt, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 22, 1939, Serial No. 85,130
Term of patent 7 years



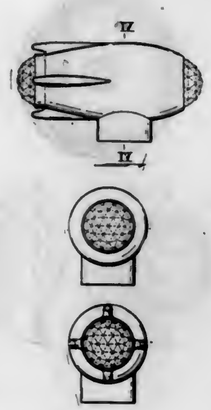
The ornamental design for a vehicle heater, substantially as shown and described.

120,917
DESIGN FOR A COMBINED BOTTLE AND CLOSURE THEREFOR
William Nassour, Los Angeles, Calif.
Application January 15, 1940, Serial No. 89,480
Term of patent 14 years



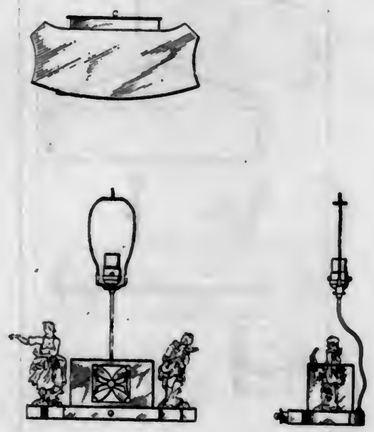
The ornamental design for a combined bottle and closure therefor, as shown.

120,918
DESIGN FOR A PARKING LAMP OR SIMILAR ARTICLE
Arthur R. Pass, Toledo, Ohio, assignor to The Toledo Automotive Products Co., Toledo, Ohio, a corporation of Ohio
Application March 12, 1940, Serial No. 90,856
Term of patent 7 years



The ornamental design for a parking lamp or similar article, substantially as shown and described.

120,919
DESIGN FOR A COMBINED RADIO AND LAMP
Maurice Ress, Brooklyn, N. Y.
Application January 9, 1939, Serial No. 82,251
Term of patent 3½ years



The ornamental design for a combined radio and lamp, as shown and described.

120,920
DESIGN FOR A CIGARETTE DISPENSER
Harry Rubin, New York, N. Y.
Application February 21, 1940, Serial No. 90,396
Term of patent 3½ years



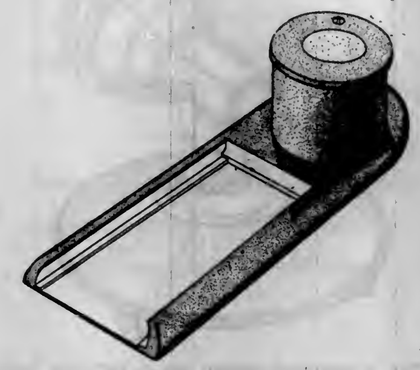
The ornamental design for a cigarette dispenser, substantially as shown.

120,921
DESIGN FOR A CIGARETTE DISPENSER
Harry Rubin, New York, N. Y.
Application February 21, 1940, Serial No. 90,397
Term of patent 3½ years



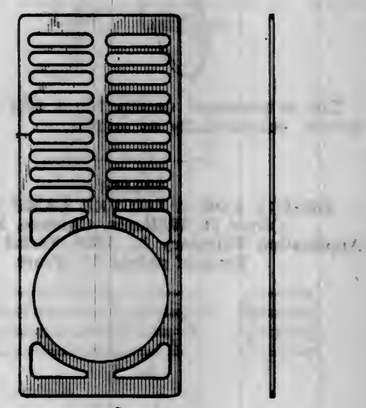
The ornamental design for a cigarette dispenser, substantially as shown.

120,922
DESIGN FOR A COMBINED CIGARETTE DISPENSER AND ARTICLE SUPPORT
Harry Rubin, New York, N. Y.
Application February 21, 1940, Serial No. 90,400
Term of patent 3½ years



The ornamental design for a combined cigarette dispenser and article support, substantially as shown.

120,923
DESIGN FOR A GRILLE FOR STOVES OR THE LIKE
Rolland C. Sabins, Wisconsin Rapids, Wis.
Application March 30, 1940, Serial No. 91,362
Term of patent 7 years



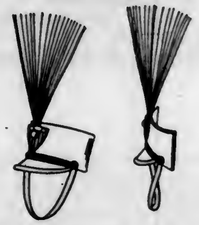
The ornamental design for a grille for stoves or the like, as shown.

120,924
DESIGN FOR A PORTABLE LIGHTING FIXTURE
Clarence L. Steber, Oak Park, Ill.
Application February 12, 1940, Serial No. 90,217
Term of patent 7 years



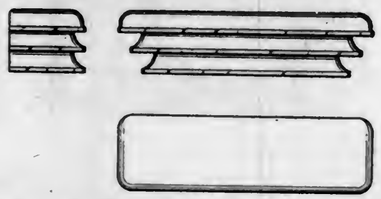
The ornamental design for a portable lighting fixture, as shown.

120,925
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Marion Weeber, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application March 27, 1940, Serial No. 91,276
Term of patent 3½ years



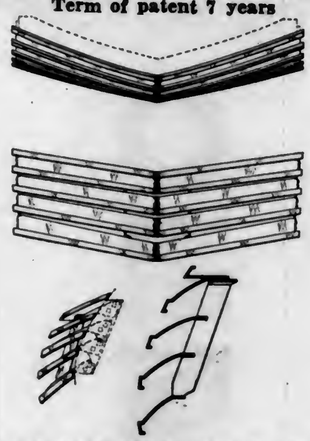
The ornamental design for a clip or similar article, substantially as shown.

120,926
DESIGN FOR A LOUVER LAMP SHADE
Oliver H. Williams, Chicago, Ill.
Application February 15, 1940, Serial No. 90,282
Term of patent 3½ years



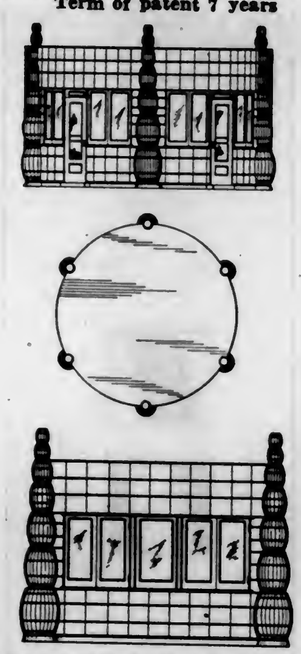
The ornamental design for a louver lamp shade, as shown.

120,927
DESIGN FOR AN AUTOMOBILE GRILLE
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 2, 1938, Serial No. 79,714
Term of patent 7 years



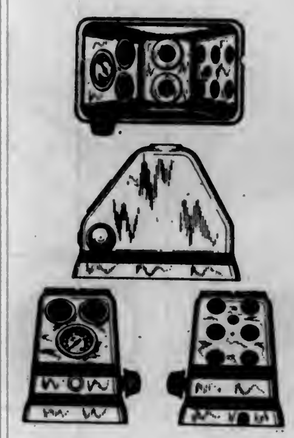
The ornamental design for an automobile grille, substantially as shown.

120,928
DESIGN FOR A BUILDING
Ralph E. Foster, Detroit, Mich., assignor to Tank Car Stations, Inc., Buffalo, N. Y., a corporation of New York
Application January 27, 1939, Serial No. 82,632
Term of patent 7 years



The ornamental design for a building, as shown and described.

120,929
DESIGN FOR A SPARK PLUG TESTER
Henry L. Hoke and Raymond W. Allen, Akron, Ohio
Application February 10, 1940, Serial No. 90,186
Term of patent 14 years



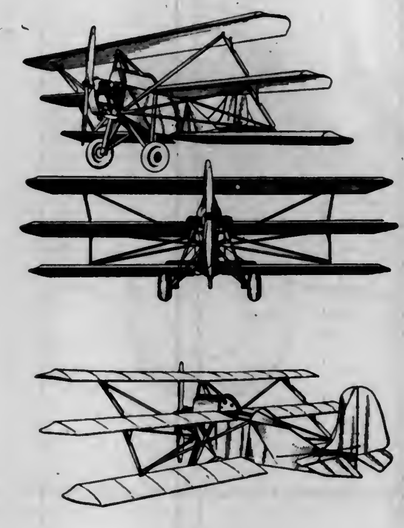
The ornamental design for a spark plug tester, as shown.

120,930
DESIGN FOR A SPARK PLUG CLEANER
Henry L. Hoke and Raymond W. Allen, Akron, Ohio
Application March 2, 1940, Serial No. 90,645
Term of patent 14 years



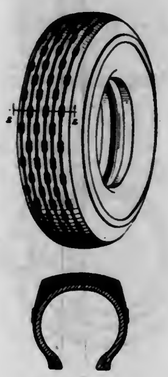
The ornamental design for a spark plug cleaner, as shown.

120,931
DESIGN FOR AN AIRPLANE
Lillian Holden and Cassell De Hibbs, Fort Worth, Tex., assignors of one-third to McKinney G. Davis, Fort Worth, Tex.
Application April 22, 1940, Serial No. 91,877
Term of patent 14 years



The ornamental design for an airplane, as shown.

120,932
DESIGN FOR A PNEUMATIC TIRE CASING
A. Houston Holland, Enid, Okla., assignor to Champlin Refining Company, Enid, Okla., a corporation of New Mexico
Application February 5, 1940, Serial No. 90,048
Term of patent 7 years



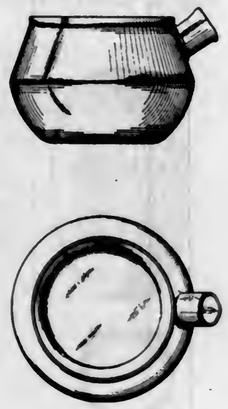
The ornamental design for a pneumatic tire casing, as shown.

120,933
DESIGN FOR A COFFEE MAKER
Herbert G. Lehmann, Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application April 13, 1940, Serial No. 91,659
Term of patent 14 years



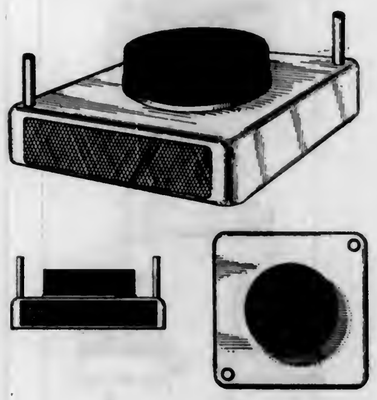
The ornamental design for a coffee maker, as shown.

120,934
DESIGN FOR A COFFEE MAKER
Herbert G. Lehmann, Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application April 13, 1940, Serial No. 91,660
Term of patent 14 years



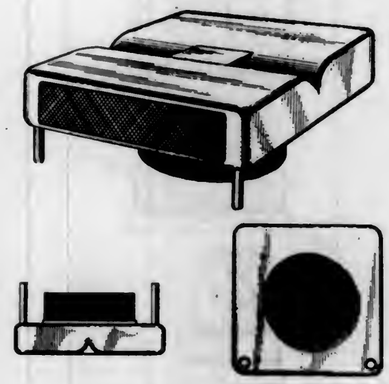
The ornamental design for a coffee maker, as shown.

120,935
DESIGN FOR A VEHICLE HEATER
George R. Lippitt, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 13, 1939, Serial No. 83,557
Term of patent 7 years



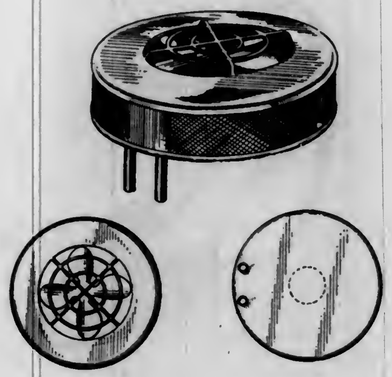
The ornamental design for a vehicle heater, substantially as shown and described.

120,936
DESIGN FOR A VEHICLE HEATER
George R. Lippitt, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 13, 1939, Serial No. 83,563
Term of patent 7 years



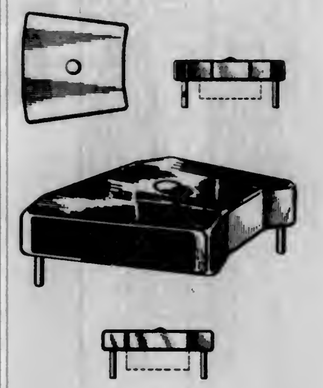
The ornamental design for a vehicle heater, substantially as shown and described.

120,937
DESIGN FOR A VEHICLE HEATER
George R. Lippitt, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 13, 1939, Serial No. 83,565
Term of patent 7 years



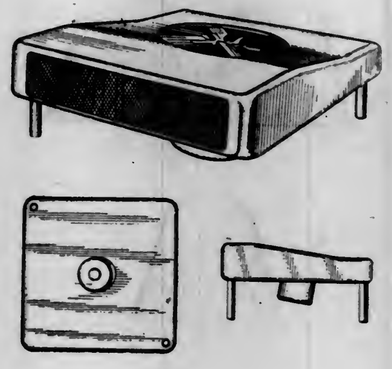
The ornamental design for a vehicle heater, substantially as shown and described.

120,938
DESIGN FOR A VEHICLE HEATER
George R. Lippitt, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 22, 1939, Serial No. 83,761
Term of patent 7 years



The ornamental design for a vehicle heater, substantially as shown and described.

120,939
DESIGN FOR A VEHICLE HEATER
George R. Lippitt, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 22, 1939, Serial No. 83,763
Term of patent 7 years



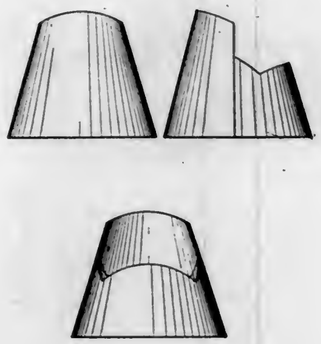
The ornamental design for a vehicle heater, substantially as shown and described.

120,940
DESIGN FOR A HANDBAG
Rudolph Lobel, Brooklyn, N. Y.
Application February 12, 1940, Serial No. 90,225
Term of patent 3½ years



The ornamental design for a handbag, as shown.

120,941
DESIGN FOR A BOTTLE COLLAR OR THE LIKE
Leroy P. Neher, St. Louis, Mo.
Application April 22, 1939, Serial No. 84,505
Term of patent 3½ years



The ornamental design for a bottle collar or the like, as shown and described.

120,942
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Charles E. Pauzat, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application April 24, 1940, Serial No. 91,910
Term of patent 3½ years



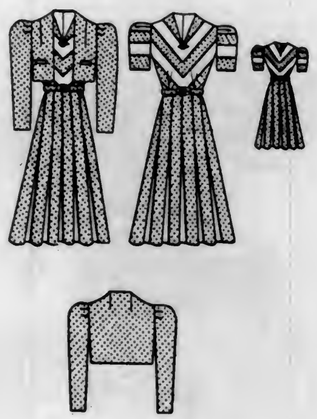
The ornamental design for a brooch or similar article, substantially as shown.

120,943
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Curt Wolfelt, New York, N. Y.
Application March 18, 1940, Serial No. 91,022
Term of patent 7 years



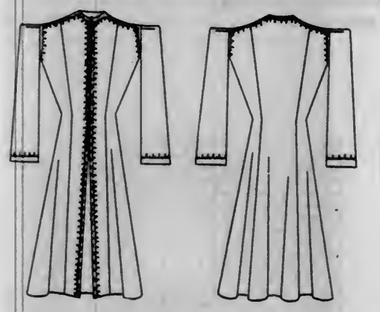
The ornamental design for a slipper or similar article, substantially as shown.

120,944
DESIGN FOR A DRESS ENSEMBLE
Jacob H. Alkon, New York, N. Y.
Application May 1, 1940, Serial No. 92,058
Term of patent 3½ years



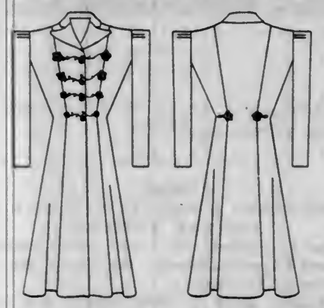
The ornamental design for a dress ensemble, substantially as shown and described.

120,945
DESIGN FOR A COAT
Norman Barasch, New York, N. Y.
Application May 3, 1940, Serial No. 92,112
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

120,946
DESIGN FOR A COAT
Norman Barasch, New York, N. Y.
Application May 3, 1940, Serial No. 92,113
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

120,947
DESIGN FOR A DRESS
Morris Birnbaum, New York, N. Y.
Application May 2, 1940, Serial No. 92,084
Term of patent 3½ years



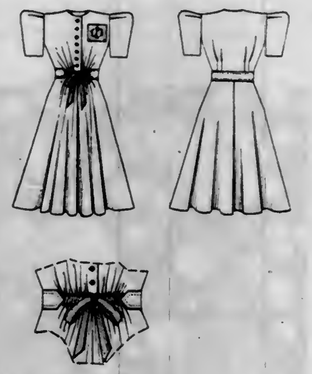
The ornamental design for a dress, substantially as shown and described.

120,948
DESIGN FOR A REDINGOTE
Adrian Naftal, New York, N. Y.
Application April 8, 1940, Serial No. 91,536
Term of patent 3½ years



The ornamental design for a redingote, substantially as shown.

120,949
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application April 23, 1940, Serial No. 91,880
Term of patent 3½ years



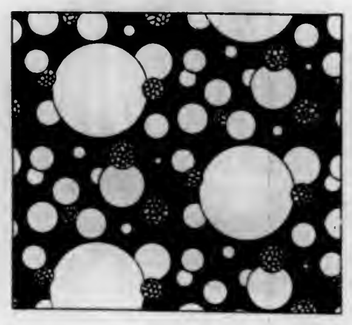
The ornamental design for a dress, substantially as shown and described.

120,950
DESIGN FOR AN ARTIFICIAL LEATHER FABRIC OR SIMILAR ARTICLE
Abraham Stern, New York, N. Y.
Application February 26, 1940, Serial No. 90,501
Term of patent 3½ years



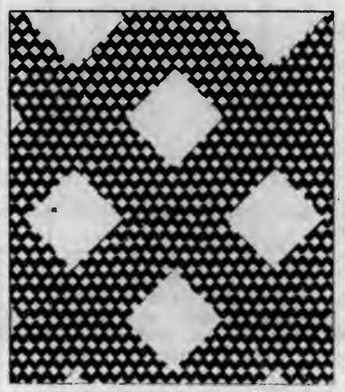
The ornamental design for an artificial leather fabric or similar article, substantially as shown and described.

120,951
DESIGN FOR A WRAPPING PAPER OR SIMILAR ARTICLE
Theodore L. Carter, St. Louis, Mo., assignor to Orchard Paper Company, St. Louis, Mo., a corporation of Missouri
Application April 3, 1940, Serial No. 91,445
Term of patent 7 years



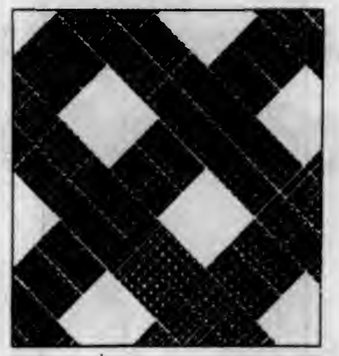
The ornamental design for a wrapping paper or similar article, as shown.

120,952
DESIGN FOR A WRAPPING PAPER OR SIMILAR ARTICLE
Theodore L. Carter, St. Louis, Mo., assignor to Orchard Paper Company, St. Louis, Mo., a corporation of Missouri
Application April 3, 1940, Serial No. 91,446
Term of patent 7 years



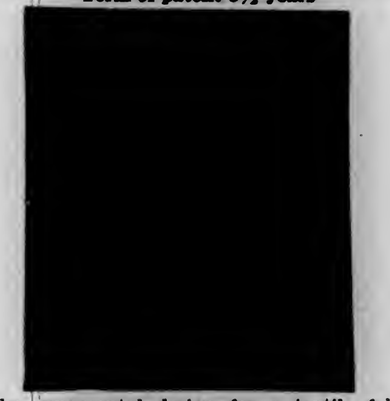
The ornamental design for a wrapping paper or similar article, as shown.

120,953
DESIGN FOR A WRAPPING PAPER OR SIMILAR ARTICLE
Theodore L. Carter, St. Louis, Mo., assignor to Orchard Paper Company, St. Louis, Mo., a corporation of Missouri
Application April 3, 1940, Serial No. 91,448
Term of patent 7 years



The ornamental design for a wrapping paper or similar article, as shown.

120,954
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application May 14, 1940, Serial No. 92,356
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

120,955
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert Finkelstein, Woonsocket, R. I.
Application April 18, 1940, Serial No. 91,755
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown.

120,956
DESIGN FOR A TEXTILE FABRIC
Robert S. Gentile, New York, N. Y., assignor to Tabin-Picker & Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1940, Serial No. 91,839
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

120,957
DESIGN FOR A TEXTILE FABRIC
Robert S. Gentile, New York, N. Y., assignor to Tabin-Picker & Company, Chicago, Ill., a corporation of Illinois
Application April 26, 1940, Serial No. 91,985
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

120,958
DESIGN FOR A TEXTILE FABRIC
Maclyn L. Guhl, Forest Hills, N. Y.
Application April 27, 1940, Serial No. 91,992
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

120,959
DESIGN FOR A DRESS
Herbert M. Harris, New York, N. Y.
Application May 14, 1940, Serial No. 92,348
Term of patent 3½ years



The ornamental design for a dress, as shown.

120,960
DESIGN FOR AN EMBROIDERED TRIMMING
Franz Hoenig, New York, N. Y.
Application May 4, 1940, Serial No. 92,155
Term of patent 3½ years



The ornamental design for an embroidered trimming, substantially as shown.

120,961
DESIGN FOR AN EMBROIDERED TRIMMING
Franz Hoenig, New York, N. Y.
Application May 14, 1940, Serial No. 92,357
Term of patent 3½ years



The ornamental design for an embroidered trimming, substantially as shown.

120,962
DESIGN FOR AN EMBROIDERED TRIMMING
Franz Hoenig, New York, N. Y.
Application May 14, 1940, Serial No. 92,358
Term of patent 3½ years



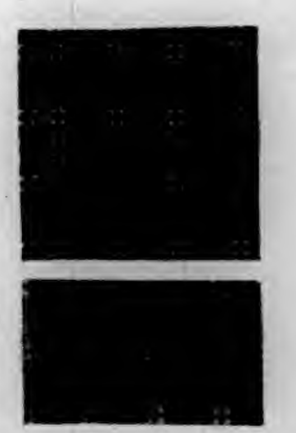
The ornamental design for an embroidered trimming, substantially as shown.

120,963
DESIGN FOR A DRESS
Philip Israel, New York, N. Y.
Application May 10, 1940, Serial No. 92,251
Term of patent 3½ years



The ornamental design for a dress, as shown and described.

120,964
DESIGN FOR A TEXTILE FABRIC
John W. Lindsay, North Adams, Mass.
Application May 14, 1940, Serial No. 92,346
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

120,965
DESIGN FOR A DRESS
Ruth Richman, New York, N. Y.
Application May 14, 1940, Serial No. 92,350
Term of patent 3½ years



The ornamental design for a dress, as shown.

120,966
DESIGN FOR A DRESS
Samuel Ruchman, New York, N. Y.
Application May 14, 1940, Serial No. 92,343
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

120,967
DESIGN FOR A PIN CLIP
Victor Silson, New York, N. Y.
Application May 3, 1940, Serial No. 92,103
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

120,968
DESIGN FOR A DRESS
Morris Sobelman, St. Louis, Mo.
Application May 14, 1940, Serial No. 92,347
Term of patent 3½ years



The ornamental design for a dress, as shown.

Patents Nos. 2,203,661 to 2,204,540

THE

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Labels	57—No.	54,912 to No.	54,968, inclusive.
Prints	28—No.	18,012 to No.	18,039, inclusive.
Reissues	2—No.	21,481 to No.	21,482, inclusive.
Patents	880—No.	2,203,661 to No.	2,204,540, inclusive.
Designs	92—No.	120,969 to No.	121,060, inclusive.
Total	1,409		

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Andrew's Mill Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James McCutcheon & Co., Fifth Avenue and Forty-ninth Street, New York, N. Y., to effect the cancellation of registration No. 195,477, issued February 24, 1925, to Andrew's Mill Co., Frankford, Philadelphia, Pa., and a notice of such proceeding sent by registered mail to said Andrew's Mill Co., at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Andrew's Mill Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Andrew's Mill Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James McCutcheon & Co., Fifth Avenue and Forty-ninth Street, New York, N. Y., to effect the cancellation or registration No. 217,590, issued September 7, 1926, to Andrew's Mill Co., 230 Fifth Avenue, New York, N. Y., and a notice of such proceeding sent by registered mail to said Andrew's Mill Co. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Andrew's Mill Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Midi Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James L. Younghusband, Chicago, Ill., to effect the cancellation of registration No. 372,510, issued October 31, 1939, to Midi Inc., 1643 North Cherokee Avenue, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Midi Inc., at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Midi Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Walla Walla Valley Prune Growers Co-Operative Association, its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Mojonnier & Sons, Inc., Walla Walla, Wash., to effect the cancellation of trade-mark registration of Walla Walla Valley Prune Growers Co-Operative Association, Freewater, Oreg., No. 171,455, dated August 7, 1923, and the notice of such proceeding sent by registered mail to the said Walla Walla Valley Prune Growers Co-Operative Association at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Walla Walla Valley Prune Growers Co-Operative Association, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Applicant's Address

The requirement of Rule 33, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Condition of Applications Under Examination at Close of Business May 25, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,597; Trade-Mark Division, 1,463. Oldest new case, July 20, 1939; oldest amended, Oct. 16, 1939.)
(The dates given are 1940 except where † indicates 1939)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 2	Jan. 4	559
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	†Nov. 17	†Nov. 1	859
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Apr. 6	Apr. 1	317
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Dec. 20	†Dec. 19	556
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons.	Mar. 7	Mar. 4	364
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	†Nov. 3	†Nov. 3	1,034
5725	7. JARBOE, C. G., Optics; Photography	Jan. 19	Jan. 10	1,004
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	†Nov. 29	†Nov. 29	1,103
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Dec. 1	†Dec. 4	800
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Feb. 29	Mar. 9	368
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 5	Mar. 5	408
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Jan. 8	†Dec. 15	520
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	†Dec. 22	†Dec. 21	656
5097	14. REYNOLDS, E. L., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Feb. 8	Jan. 27	657
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	†Nov. 30	†Nov. 30	1,205
5716	16. SPENCER, C. J., Telegraphy; Telephony	†Dec. 29	Jan. 3	546
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 23	Jan. 17	575
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 1	†Nov. 30	616
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Jan. 12	Jan. 30	524
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 3	Feb. 9	315
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 27	Feb. 25	466
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Oct. 16	†Oct. 16	1,161
7624	23. BUTTNER, W. J., Registers (part)	†Oct. 16	†Oct. 16	258
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Oct. 11	†Oct. 16	1,512
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 2	Jan. 25	520
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Jan. 10	Jan. 2	460
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	†Nov. 18	†Dec. 4	852
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	†Dec. 28	†Nov. 20	516
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	†Nov. 30	†Dec. 9	916
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Jan. 23	Jan. 20	718
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Jan. 25	Jan. 25	1,000
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 13	Feb. 19	221
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Jan. 22	Jan. 24	935
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Mar. 5	Mar. 7	261
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	†Dec. 19	Jan. 11	789
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	†Dec. 14	†Dec. 18	787
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	†Dec. 21	†Dec. 15	644
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering: Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Oct. 30	†Oct. 30	845
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 19	Jan. 20	588
7880	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	†Oct. 25	†Oct. 25	1,988
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	†Dec. 26	†Dec. 16	278
5882	42. CUTTING, H. O., Electric Signaling	†Nov. 4	†Oct. 19	710
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Jan. 5	Jan. 15	448
4087B	44. HARVEY, L. P., Refrigeration	†Dec. 26	†Dec. 15	690
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Feb. 26	Jan. 26	396
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Jan. 4	Jan. 12	735
6082	47. KANOF, W. J. (Act.), Clutches; Brakes	Jan. 18	Jan. 22	461
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Jan. 8	Jan. 10	516
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	†Nov. 24	†Nov. 3	938
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	†Dec. 29	†Dec. 26	1,467
5628	51. BACKUS, C. D., Radiant Energy (part)	Mar. 9	Mar. 9	571
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Jan. 15	Jan. 22	704
6807	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Lable Pasting and Paper Hanging.	Mar. 14	Jan. 10	351
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Mar. 20	Mar. 22	259
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Dec. 27	Jan. 13	473
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	†Nov. 25	†Nov. 25	1,243
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	†July 20	Jan. 18	344
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	†Dec. 4	†Nov. 27	440
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	†Dec. 15	†Dec. 15	838
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Mar. 1	Mar. 20	321
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Jan. 4	Jan. 4	633
5621	62. PUGH, E. C., Games; Geometrical Instruments	Mar. 23	Feb. 10	296
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	†Oct. 25	†Oct. 20	1,181
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Feb. 27	Feb. 20	610
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Mar. 7	Feb. 21	465
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Apr. 23	May 7	1,413
	{Labels and Prints	May 17	May 15	50
2605	Designs: H. H. KALUPY	Apr. 18	May 7	806

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

MILLS *v.* HERSHMAN

No. 4,196. Decided January 4, 1940

[108 F.(2d) 257]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the senior party H is entitled to make the claim in issue and that priority was properly awarded to him where the issue was limited, at the request of the junior party M, to this question.

APPEAL from Patent Office. Affirmed.

Mr. Otto R. Barnett and *Mr. Lawrence T. Barnett* for Mills.

Mr. Verne A. Trask for Hershman.

HATFIELD, *J.*:

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of the invention defined in the single count in issue to appellee, Okla H. Hershman.

The count reads:

A reflector button assembly comprising a plurality of reflector button housings, oppositely disposed laterally extending ear portions on each housing, means joining said housings together through said ear portions, and reflector buttons positioned within said housings and partially exposed.

The interference is between appellant's application, Serial No. 68,821, filed March 14, 1936, and appellee's application, Serial No. 719,815, filed April 10, 1934.

Appellant is the junior party and the burden was upon him to establish priority of invention by a preponderance of the evidence.

The cause was submitted to the tribunals of the Patent Office on a motion by appellant to dissolve the interference on the ground that appellee was not entitled to make the claim constituting the count in issue, and upon evidence submitted by the parties relative to their conception of the invention and their reduction of it to practice.

The tribunals of the Patent Office concurred in holding that appellee's application disclosed the invention defined in the count in issue and that, in view of the evidence of record, appellee was entitled to an award of priority.

On November 2, 1939, counsel for appellant filed in this court a "Statement Limiting Scope of Review", wherein it was stated that—

Mills [appellant] concedes that while the evidence shows Mills to be the first to conceive, *it does not show diligence by Mills*, within the decisions of this court, before Hershman entered the field.

Mills' sole contention relied on in this court is that Hershman is not entitled to an award of priority because he does not disclose the subject matter of the sole count involved.

Therefore the only question which Mills asks the court to adjudicate is the right of Hershman to make the count and requests that the court's consideration be so limited to that question, as is fully covered in the respective briefs. [Italics ours.]

The cause was submitted to this court on the briefs of counsel for the parties.

The sole issue before us is whether appellee is entitled to make the claim constituting the count in issue.

Relative to that issue, the Board of Appeals, in its decision, said:

The question of the right of Hershman to make the count we believe was properly decided by the Examiner. We note that in Hershman's Figs. 11 and 13 the plurality of reflector button housings are provided with laterally extending members which are joined together and the reflector buttons are positioned within said housings. Appellant urges that there are no ear portions provided on the housings of Hershman. We are not in agreement with that contention inasmuch as the claim does not call for integral ear portions on the housings and the links connecting the housing in these figures might well be held to be ear portions which join the housings together. The holding that Hershman can make the count in issue is upheld.

Counsel for appellant contend that the count in issue—

contemplates a structure having a housing, *independent of the reflecting unit*, for receiving a reflector button *whether of the mounted or unmounted type*, which housing has integral ear portions adapted to be pivotally joined to similar ear portions of other similar structures. Hershman does not disclose "housings" with "oppositely disposed laterally extending ear portions on each housing" within the meaning of the count. [Italics ours.]

Counsel for appellant also contend that the term "reflector button" or "reflector unit" is understood in the art here involved to mean either a mounted or an unmounted button, and that, therefore, in properly interpreting the involved count—

it cannot be held that the metal casing of the mounted type of button is the "housing" of the count. *The "housings" called for in the count are housings for receiving either mounted or unmounted buttons including their casings, as shown* in Searight's drawing. [Searight was once a party to the interference, and counsel for appellant contend that the count originated in Searight's application.] *The housings are separate and apart from the metal casings described and shown in the Hershman application.* Hershman discloses no other elements that house his units and cannot therefore make the claim. [Italics ours.]

It is further contended by counsel that Figures 11 and 13 in appellee's application on which the Board relied in its decision do not disclose the invention defined in the appealed count, because, it is said, appellee's description in his specification shows clearly that there are no "means joining said housings together through said ear portions", as required by the count.

Relative to Figures 10 to 13, inclusive, in his application, appellee states in his specification that—

In the type of chain illustrated in Figs. 10 to 13 inclusive, *the reflecting units 13*, instead of being mounted in the middle of the links, are mounted at the points where adjacent links are connected and, in fact, *serve instead of the rivets 12 as the interconnection between adjacent links.* To this end, *each reflecting unit comprises a body* 35 and *an enclosing shell* 36, the rear end of the body being provided with a projecting stud 37 and the opposite end with an outwardly extending annular flange 38. The front side bars 39 of the chain are clamped between the flange 38 and the front end of the shell 36, while the side bars 40 on the rear side of the chain are clamped between the base of the casing 36 and a nut 41 on the stud 37. [Italics ours.]

* * * * * * *

The chain shown in Figs. 10 to 13 has the advantage that the rivets, as separate parts, may be eliminated, their place being taken by the reflecting units. In addition, by tightening the nuts 41 the side bars of adjacent links are clamped together and the chain held in a definite configuration.

It is also stated in appellee's specification, among other things, that—

"it is my object to produce a warning signal which will embody a plurality of light-reflecting units, each comprising a lens and reflector",

and that—

The chain shown in Figs. 1 to 4, 8 and 9 comprises a plurality of links each composed of a pair of spaced side bars 10 and 11, adjacent links being secured together by means of shouldered rivets 12, all in a general way similar to the construction of power transmission chain. In each link of the chain thus formed there is mounted a *reflecting unit 13. Details of the reflecting unit are not illustrated, as such devices are on the market and well known.*

In general, they comprise a casing having a lens in one end and a light reflector inside. While I prefer this general type of light-reflecting unit, I do not limit myself to it. In the chain shown in Figs. 3 and 4, the side bars 10 and 11 are of a generally square shape, the rivets 12 passing through the holes in opposite corners of the squares. On one side of the chain, shown in Figs. 3 and 4 as the rear side, the laterally projecting corners of the side bars are provided with holes 14 for the passage of nails or screws by means of which the chain can be secured in any desired position against a plane-faced support 16.

In Fig. 7 I have indicated side bars or spacing members 31 different in shape from the square side bars in Fig. 3 and having the advantage that they permit the chain to be bent at a sharper angle. Instead of being square, the side-bars or spacing members 31 of Fig. 7 are generally circular, and each of them is provided with a series of spacing ears 31', one pair of opposite ears being used to receive the rivets 12 and the other pair being provided with holes 14 for the passage of screws or nails by which the chain may be held in place. [Italics ours.]

For the purpose of clarity, we reproduce Figures 3 and 7 of the drawings in appellee's application.

Fig. 3.

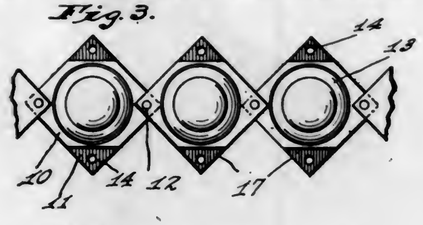
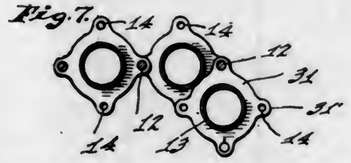


Fig. 7.



Counsel for appellant argue that the invention is not disclosed in Figures 3 and 4 in appellee's application, because those figures show only—

"spaced bars between which are positioned mounted or encased reflecting units and *do not disclose housings with ear portions for receiving such units.*" [Italics ours.]

We are unable to concur in the views expressed by counsel for appellant.

It clearly appears from appellee's application that he was fully aware of the fact that there were reflecting units on the market comprising a casing having a lens in one end and a light reflector inside, and that he preferred that type of light reflecting unit. Appellee stated in his application, however, that he did not intend to be limited to such a unit. Obviously, he did not intend to exclude from his application a reflector button assembly which included a reflecting unit comprising a "casing having a lens in one end and a light reflector inside", any more than he intended to exclude a reflecting unit which had no casing.

It will be observed that the count calls for a—

"reflector button assembly comprising a plurality of *reflector button housings*, oppositely disposed laterally extended ear portions on each housing, means joining said housings together through said ear portions and *reflector buttons*", not *encased* reflector buttons, "positioned within said housings." [Italics ours.]

Counsel for appellant refer in their brief to a reflector button without a casing as an "unmounted button", and one with a casing as a "mounted button", and it is apparently argued by them that the count calls for a reflector button assembly which includes either an "unmounted" or a "mounted" reflector button. It is perfectly apparent from a mere reading of the count that it cannot properly be so construed. Furthermore, if the count should be construed as requiring reflecting units comprising a lens and a reflector in a casing, and, in addition thereto, housings for such reflecting units, appellant himself could not make the count.

We quote from appellant's specification:

This invention is directed to new and useful improvements in signal button mountings. The button or *reflecting units* for which *these mountings* are provided are of the type in common *use today generally comprising a unit of glass formed with a curved objective lens and an oppositely disposed curved surface covered with a reflecting material* • • •.

• • • • • • •

The primary object of this invention is to provide *mountings for such buttons that are pivotally joined together in the form of a chain* so that the desired characters can be easily formed without specifically placing each individual unit.

Another object of this invention is to provide such a *series of mountings* that are of simple and cheap construction.

Still a further object of this invention is to provide such a series of *pivotally attached mountings* having convenient means for fastening to a signboard in the desired position. [Italics ours.]

Furthermore, in the brief of counsel for appellant it is stated that—

"Mills' [appellant's] disclosure (R. 8A) [all of appellant's drawings appear on page 8A of the record] shows an 'unmounted' button 11 comprising the objective lens 12 and the reflecting surface 13 *with no metal casing.*" [Italics ours.]

We are unable to find any disclosure in appellant's application of a "reflector button assembly" having housings in addition to the metal casings or housings in which so-called reflector buttons are encased. In other words, appellant's application does not disclose housings for so-called "mounted buttons."

It is contended by counsel for appellant that the language of the count is ambiguous, and that, therefore, it must be interpreted in the light of the Searight application where, it is claimed, the count originated.

It is not clear to us from the record that the count originated in the Searight application. Even if it be assumed, however, that it did, it is sufficient to say that the Searight application is not before us, the record containing only Figures 1 to 5, inclusive, thereof.

We are of opinion, however, that the language of the count is plain and unambiguous; that the count calls for nothing more than housings in which reflector buttons are positioned (mounted reflector buttons are not mentioned in the count), the housings having "oppositely disposed laterally extending ear portions" thereon and "means joining said housings together through said ear portions"; that the invention defined in the involved count is clearly disclosed in the specification and in Figure 3 of appellee's application; and that it is also disclosed in appellee's Figure 7, except that the reflector buttons are not shown positioned in the housings

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

THE LONGINI SHOE MFG. CO.

v.

RAYMOND R. RATCLIFF, DOING BUSINESS AS RATCLIFF PRODUCTS & SALES CO.

No. 4,214. Decided December 26, 1939

[108 F.(2d) 253]

TRADE-MARKS—CANCELLATION.

Where cancellation of the registration of the trade-mark "Pla-Zure" for use on shoes was sought in view Tred

of petitioner's use of the trade-mark "Pleasure Tred" on identical goods *Held* that the evidence adduced by the petitioner for cancellation failed to prove priority of use, and that cancellation was properly refused.

APPEAL from Patent Office. Affirmed.

Mr. Frank Zugelter for The Longini Shoe Mfg. Co.

Mr. Truman A. Herron and *Messrs. Wood and Wood* for Raymond R. Ratcliff, doing business as Ratcliff Products & Sales Co.

HATFIELD, *J.*:

This is an appeal in a trade-mark cancellation proceeding from the decision of the Commissioner of Patents reversing the decision of the Examiner of Trade-Mark Interferences sustaining appellant's petition for the cancellation of appellee's registered trade-mark "Pla-Zure" for use on shoes.

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Appellee's mark was registered May 12, 1936, registration No. 334,696, on an application filed November 22, 1935.

Appellant's trade-mark consists of the words "PLEASURE TRED" for use on shoes.

It is agreed by counsel for the parties that the involved trade-marks are confusingly similar, and that the sole issue requiring our consideration is priority of use.

The cause was submitted by appellant on the testimony of the witnesses Charles Longini, vice president and treasurer of the appellant company, and A. J. Sachs, sales manager of the appellant company, and Exhibits Nos. 1 and 2.

Appellee offered no evidence and relied upon the filing date (November 22, 1935) of its application for the registration of its trade-mark to establish priority of use.

Appellant's Exhibit No. 1 is an invoice of Anthony J. Fries, "General Engraver and Stamp Cutter", of Cincinnati, Ohio, dated October 28, 1935, addressed to the appellant company, for "1 Bottom Stamp" and "1 Insole Stamp" of appellant's trade-mark "PLEASURE TRED." Exhibit No. 2 is an order, dated January 8, 1936, for appellant's "PLEASURE TRED" shoes given by the Midwest Shoe Company of Minneapolis, Minnesota. It is indicated thereon that the shoes were to be shipped by the appellant company on February 15, 1936. Each of those exhibits was identified by the witness Longini.

The witness Longini testified that, as early as June 1935, Raymond R. Ratcliff, appellee, was aware that appellant had adopted and intended to use its trade-mark "PLEASURE TRED" on its shoes. Relative to Exhibits Nos. 1 and 2, the appellant's first sales of shoes under its trade-mark, the witness testified on direct examination as follows:

Q. 6. How long have you been manufacturing Pleasure Tred?

A. Definitely, since October 28, 1935.

Q. 7. By 'since October 28, 1935' what do you mean, that the shoe was completed at that time or that it was ready for production?

A. Well, we decided on the name around May of 1935, and it takes a period of months to produce a line under a certain trade name. There is a lot of work to be done, lines to be developed, features to be incorporated in the line, and during that time we made various trips to see the trade, advising them of the new line which we were putting out under Pleasure Tred, and samples were completed and branded Pleasure Tred by October 28, 1935, and at that time the samples were shown under the brand Pleasure Tred, and our first sales began at that time definitely from samples.

• • • • • • •

Q. 18. When were these shoes ready for sale?

A. In working out the details for the line, we naturally had to work out our sole stamp and sock lining stamp, and through the artists of the Anthony J. Fries Company, maker of steel dies, we had the complete sock lining and sole stamp dies completed by October 28, 1935, at which time we naturally had our sock lining ready, and as soon as the stamp came in, we finished our samples.

Q. 19. Mr. Longini, I hand you a piece of paper and ask you what it is?

A. Well, this is an invoice of the Anthony J. Fries Company, General Engraver and Stamp Cutter, for our bottom stamp and insole lining stamp for our Pleasure Tred dies.

Q. 20. And that was delivered to you on October 28, 1935?

A. Yes.

• • • • • • • •

Q. 21. After the lining was completed, were the stamps immediately applied?

A. Immediately, yes.

Q. 22. After the stamp was applied, when did you start to sell those shoes?

A. Well, the line was completed for sale of Spring shoes, but before going out with the line, it usually costs anywhere from $3000 to $4000 to develop a new line, and especially a new line as this was to be. There are many details to be worked out. We had been traveling on the Pleasure Tred proposition since the early part of May, in lining up our accounts, telling them about the new line and getting their reaction on the Pleasure Tred name, and then as the samples were completed, we made our second trip with the samples and started selling the shoes, and they were sold firstly from samples beginning around November 1, 1935.

Q. 23. You recall the name of the people you sold these shoes to?

A. Well, the first bill of any consequence was sold to the Midwest Shoe Company of Minneapolis, Minnesota.

Q. 24. Do you recall the date of that?

A. First sale was made January 8, 1936.

Q. 25. Mr. Longini, what is this?

A. This is an order blank for an order taken by me on January 8, 1936, in Chicago, at the National Shoe Show, sold to the Midwest Shoe Company of Minneapolis, Minnesota, of our Pleasure Tred line, giving them the privilege to sell our Pleasure Tred shoes in Minneapolis, manufactured and made by us.

• • • • • • •

Q. 29. Will you state whether or not you have continued to manufacture and sell the line of shoes termed Pleasure Tred?

A. Yes.

Q. 30. Are you still manufacturing and selling that shoe?

A. Yes.

Q. 31. Have you attempted to have this trade-mark registered?

A. Yes.

Q. 32. Have you been successful?

A. No.

Relative to Exhibit No. 2, the witness testified on

cross-examination that, although the order for "PLEASURE TRED" shoes was taken January 8, 1936, the shoes were not then ready for delivery. He then testified as follows:

XQ. 36. Then at that time you had no shoes bearing the name Pleasure Tred manufactured?
A. Yes, we had made some shoes previous to that time.
XQ. 37. Were there any sold?
A. Yes. To the Spiegel, May, Stern Company, of Chicago, Illinois.
XQ. 38. Have you any record showing that to be the fact?
A. Well, these were samples ordered in August and shipped the end of October, 1935.
XQ. 39. You, however, have nothing to show that these shoes bear the mark Pleasure Tred?
A. Yes, I can get the details at the office. I have the letter written to Spiegel, May, Stern Company, stating that we were shipping them.
XQ. 40. You previously stated that the order to the Midwest Shoe Company was the first, did you not?
A. I stated it was the first sale of any size.
XQ. 41. Then you were in error that this was the first sale, were you not?
A. No, I stated that the first bill of any size was sold to the Midwest Shoe Company of Minneapolis, Minnesota, but you asked me whether we had made any Pleasure Tred shoes before that time. We had made samples, which are shoes.
XQ. 42. They were usually not sold?
A. Yes.
XQ. 43. Please state when these samples were sold.
A. In Chicago, approximately in July or August.
XQ. 44. In July or August of what year?
A. 1935.
XQ. 45. How were these shoes stamped?
A. Pleasure Tred. Unquestionably there is a misunderstanding.—When I say a bill is sold and when the shoes are shipped. When a bill is sold, it does not mean that the shoes are to be shipped on that very day. We manufacture numerous shoes according to order, and sometimes it may be six or eight weeks before delivery is made. Now when these samples were sold by me to Spiegel, May-Stern Company, they were not shipped until October, until these dies were completed.

Appellant's witness Sachs did not testify relative to the date of first use by appellant of its trade-mark "PLEASURE TRED" on its shoes. The purport of his testimony is that Mr. Raymond R. Ratcliff, appellee, had knowledge of appellant's "PLEASURE TRED" line of shoes in the early part of November 1935; that the only comment made by Mr. Ratcliff at that time was: "I think you have something there"; and that no mention was made by Mr. Ratcliff that he had adopted or intended to use a trade-mark similar to appellant's "PLEASURE TRED" mark.

The Examiner of Trade-Mark Interferences was of opinion that the testimony of the witness Longini was sufficient to establish that appellant had used its trade-mark on its goods as early as October 28, 1935, and, accordingly, sustained appellant's petition for the cancellation of the registration of appellee's trade-mark.

In reversing the decision of the Examiner of Trade-Mark Interferences, the Commissioner of Patents stated in his decision that a trade-mark registration—

"should not be lightly cancelled";

that the burden was upon appellant to establish that it had used its trade-mark on its goods prior to the filing date (November 22, 1935) of appellee's application for the registration of its mark; that—

"where cancelation must rest upon the testimony of a single witness such testimony should at least be clear, consistent and free from uncertainty";

and that the testimony of Mr. Longini was not clear, consistent, and free from uncertainty. The Commissioner then said:

Knowing respondent's filing date, it is almost inconceivable that petitioner's counsel, if he thought it possible to prove a sale in October, 1935, would not have attempted to do so. Not only did counsel make no such attempt on his direct examination of Mr. Longini, but even after the witness had stated on cross-examination that such a sale had occurred no effort was made on redirect to explain counsel's oversight or to supply details of the purported sale. Besides contradicting his previous testimony that petitioner's first sale took place in January, 1936, Longini's assertion that a sale was made in October, 1935, is inconsistent with his statement on direct examination that the dies with which the trade-mark was stamped on petitioner's shoes were not received until October 28. That left petitioner just three days in which to complete, pack, and ship the order before "the end of October." And while the exercise of such haste was, of course, possible, it seems sufficiently improbable to require explanation.

Petitioner's case was simple to prove, and doubts created by its own record, or by the absence therefrom of material evidence that was within its control, must be resolved against petitioner. Applying that rule, I do not think the proofs submitted entitle petitioner to the relief here sought.

It was alleged by appellant in its petition for cancellation that appellee was not entitled to use the trade-mark "Pla-Zure" on shoes on the date it

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filed its application for registration (November 22, 1935) for the reason that appellant, as early as October 1935, had adopted and used its trade-mark "PLEASURE TRED" on shoes.

In view of the state of the record, the precise question presented for our determination is whether the evidence submitted by appellant is sufficient to establish that it had adopted and used its trade-mark on its goods prior to appellee's filing date—November 22, 1935.

It will be observed from the quoted testimony that the witness Longini stated that appellant had been manufacturing "PLEASURE TRED" shoes—

"Definitely, since October 28, 1935."

When asked on direct examination to explain what he meant by such statement, he said that—

"samples were completed and branded Pleasure Tred by October 28, 1935, and at that time the samples were shown under the brand Pleasure Tred, and our first sales began at that time definitely *from samples*" [italics ours];

that the stamps for affixing its trade-mark to its shoes were delivered to appellant on October 28, 1935; and that the "stamps" were immediately applied to samples. In reply to the question:

"After the stamp was applied, when did you start to sell those shoes?"

the witness stated—

"they were sold firstly *from samples* beginning around November 1, 1935." [Italics ours.]

When asked if he recalled the name of anyone to whom such shoes were sold, he replied:

"Well, the first bill of any consequence was sold to the Midwest Shoe Company of Minneapolis, Minnesota."

He then stated that such sale was made on January 8, 1936. It will be recalled that applicant received an order (Exhibit No. 2), dated January 8, 1936, from the Midwest Shoe Company for "PLEASURE TRED" shoes, the shoes to be shipped February 15, 1936.

It is apparent that on direct examination the witness was testifying with regard to sales made as a result of displaying sample shoes. He did not testify on direct examination that appellant had, at any time, sold any sample shoes bearing its trade-mark.

On cross-examination, however, the witness stated that samples of appellant's "PLEASURE TRED"

shoes were sold to the Spiegel, May, Stern Company of Chicago, Illinois, in July or August 1935, and that such samples bearing the trade-mark "PLEASURE TRED" were shipped to that company "the end of October, 1935." When asked if he had anything "to show" that those samples bore the trade-mark "PLEASURE TRED", the witness replied: "Yes, I can get the details at the office. I have the letter written to Spiegel, May, Stern Company stating that we were shipping them."

Neither the letter referred to by the witness nor any other documentary evidence relative to the sale and shipment of the sample shoes bearing the "PLEASURE TRED" trade-mark to the Spiegel, May, Stern Company was introduced by appellant.

Counsel for appellant argues that "great probative force" should be given the testimony of the witness Longini as to the sale and shipment of the sample shoes to the Spiegel, May, Stern Company, because it was adduced on cross-examination, and that, because counsel for appellee did not request the witness to produce the letter referred to in the testimony, the testimony of the witness "must be accepted as conclusive"; whereas, counsel for appellee argues that, due to the failure of appellant to produce the letter referred to by the witness, the fair presumption is that had it been produced it would have been detrimental to appellant's case. In support of his contention, counsel for appellee calls attention to the following from Jones on Evidence, Fourth Edition, Vol. 1, § 19, page 49:

§ 19. *Withholding evidence.*—There is a recognized legal presumption that a party will produce evidence which is favorable to him if such evidence exists and is available. And the mere withholding or failing to produce material evidence which is available and would, in the circumstances of the case, be expected to be produced, gives rise to a natural inference—less forceful than that arising from the destruction, fabrication or suppression of evidence in which other parties have a legal interest but constantly acted upon by the courts—that such evidence is held back because it would be unfavorable or adverse to the party withholding it.

The rule relative to the "Failure to Produce Most Satisfactory Evidence" is stated in 22 C. J. § 55, page 115, as follows:

Where it is apparent that a party has the power to produce evidence of a more explicit, direct, and satisfactory character than that which he does introduce and relies on, it may be presumed that if the more satisfactory evidence had been given it would have been detrimental to him and would have laid open deficiencies in, and objections to, his case which the more obscure and uncertain evidence did not disclose.

See *Clifton* v. *United States*, 45 U. S. 242; *Backus* v. *Owe Sam Goon*, 235 Fed. 847.

Testimony adduced on proper cross-examination is to be regarded as though it were adduced on direct examination. However, if the cross-examination is extended beyond its proper scope, the cross-examiner makes the witness his own and is bound by undisputed testimony thus adduced. 70 C. J. § 790, page 618, and cases cited in footnotes thereunder.

In the instant case it is clear that the cross-examination of the witness Longini was not extended beyond its proper scope. Accordingly, the testimony of the witness that sample shoes bearing the trade-mark "PLEASURE TRED" were shipped the "end of October, 1935", should be considered as though adduced on direct examination.

We are of opinion, therefore, that the rule hereinbefore stated, relative to the failure to produce the most satisfactory evidence, is here applicable, and that had the documentary evidence to which reference was made on cross-examination by the witness Longini been produced it would have been detrimental to appellant's case.

In conclusion, we think it proper to observe that counsel for appellant must have known that, at the conclusion of the direct examination of appellant's witnesses, appellant had failed to make a case.

It is a fair assumption then, we think, that, had appellant made a sale of sample shoes to the Spiegel, May, Stern Company of Chicago, Illinois, and shipped sample shoes bearing the trade-mark "PLEASURE TRED" to that company the "end of October, 1935", such fact would have been brought out on the direct examination of the witness Longini had counsel for appellant been informed of such sale and shipment. Due to its importance in this case, it is inconceivable that, had such shipment been made, counsel for appellant would not have been informed of that fact prior to the direct examination of appellant's witnesses.

We are of opinion that the Commissioner of Patents reached the right conclusion, and his decision is affirmed.

Affirmed.

District Court of the United States for the District of Columbia

WRIGHT *v.* RUNGE ET AL.

No. 67,095. Decided December 12, 1939

[31 Fed. Supp. 844]

1. SUIT UNDER SEC. 4915 R. S.—EVIDENCE.
"It may well be that the plaintiff might be estopped from offering testimony here that he had suppressed in the Patent Office, but the mere failure to exercise the highest degree of diligence in producing evidence before the Patent Office would not, in my opinion, prevent its introduction here."
2. SAME—SAME.
Where defendants conceded, in a suit arising from an interference in the Patent Office, that the plaintiff was entitled to a date in 1931 as a date of conception and also conceded, at the conclusion of the testimony, that the new evidence offered by the plaintiff established a reduction to practice before October 12, 1932, the earliest date claimed by the defendants, but objected to the introduction by the plaintiff of evidence which he had not offered in the Patent Office interference *Held* that the evidence was properly admitted and that plaintiff is entitled to the relief sought.

IN EQUITY. Order in accordance with opinion.

H. L. Godfrey and *T. Hayward Brown* for plaintiff.

Richard A. Ford and *Chester L. Davis* for defendant.

BAILEY, *J.*:

At the beginning of the hearing of this case, counsel for the defendants conceded that the plaintiff was entitled to a date in 1931 as a date of conception. At the conclusion of the testimony he also

conceded that the new evidence offered by the plaintiff established a reduction to practice before October 12, 1932, the earliest date claimed by the defendant.

The introduction by the plaintiff of evidence which he had not offered in the Patent Office interference was objected to by the defendant, so that the only question to be decided is whether or not that testimony was properly admitted.

The authorities relied upon by the defendant are *Barrett* v. *Koppers Co.*, 3 Cir., 22 F.(2d) 395, in which there had been a deliberate suppression of evidence in the proceedings in the Patent Office, and *Perkins* v. *Lawrence Sperry Aircraft Company*, D. C., 57 F.(2d) 719, in which there had been a failure to offer evidence which might have been produced had more diligence been exercised.

In the instant case the witness Heaton (who did not testify before the Patent Office) was away from Washington on his vacation from June 9, 1936, to July 11, 1936, the testimony offered by the plaintiff before the Patent Office extending from June 17 to July 17.

Dr. McIlwraith, another witness for the plaintiff whose testimony was not taken in the Patent Office proceeding, was on the ship Hydrographer basing at New Orleans during the time for taking testimony in the Patent Office.

Dr. Kear's testimony might also have been taken during that time.

The defendant contends that the proceedings before this court in suits of this kind are similar to new trials in equity, and that evidence offered here, not offered in the Patent Office, must be newly discovered evidence which could not have been produced before the Patent Office had reasonable diligence been exercised. I cannot agree with this contention. By the terms of the statute the trial in this court is a trial de novo; it is not an appeal from the Patent Office tribunals as would be the case were the hearing before the Court of Customs and Patent Appeals. It is not necessary for the plaintiff to obtain leave of court to bring suit, but he can do so as a matter of right. It has been the constant practice in the ordinary suit to authorize the Commissioner of Patents to issue a patent, for the plaintiff to introduce evidence which had not been offered in the Patent Office, without any showing that he might have offered it in the Patent Office.

[1] It may well be that the plaintiff might be estopped from offering testimony here that he had suppressed in the Patent Office, but the mere failure to exercise the highest degree of diligence in producing evidence before the Patent Office would not, in my opinion, prevent its introduction here.

While it might have been possible in the instant case for the plaintiff to have procured some of the evidence introduced here before the Patent Office, I do not think that his failure to do so estopped him from offering it here. There is no showing that the defendant was surprised as to its introduction, nor that he could produce evidence to overcome its effect.

[2] I think that this evidence was properly admitted and that the plaintiff is entitled to the relief sought. See *Harper* v. *Zimmermann*, D. C., 41 F.(2d) 261; *Westinghouse Electric & Mfg. Co.* v. *Radio Corporation of America*, D. C., 24 F. Supp. 933, and other cases cited by the plaintiff.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,452,043, C. W. Harold, Inking machine; 1,930,429, G. A. Rutkoskie, Process for producing wax carbon spots on sheets of paper by impression on an ordinary printing press; 1,961,827, same, Rotary press for printing wax carbon spots on paper; 1,961,828, same, Process for producing wax carbon spots; 1,985,839, same, Sheet-fed rotary press; 2,061,984, same, Apparatus for presses for producing wax carbon spots on sheets of paper; 2,086,191, same, Attachment for rotary web press for printing wax carbon spots on paper; Re. 18,931, same, Apparatus for producing wax carbon spots on sheets of paper by impression; Re. 19,642, Rutkoskie and Welk, Printing press for producing wax carbon spots on sheets of paper, filed Mar. 28, 1940, D. C., S. D. N. Y., Doc. 8/103, *The McBee Co.* v. *Transkrit Corp.*

1,452,197, 1,465,629, R. B. Gilchrist, Drink mixer; D. C., N. D. Ill., E. Div., Doc. 531, *Scovill Mfg. Co.* v. *Sam Schuham & Co.* Claims 5, 6, 7, 9, 10, 12, 13, 15, 16, 17, 21, 22, 23, 24, 25, 26, 28, 40, 44, 48, 49, and 53 of Patent 1,452,197, and claims 29 and 30 of 1,465,629 held valid and infringed, injunction Oct. 4, 1940.

1,465,629. (See 1,452,197.)

1,470,107, A. L. Ruthven, Combination automatic and manually-operable airbrake, power control, and alarm system; 1,470,109, same, Electro magnetic train control; 1,531,573, 1,531,576, 1,555,706, 1,556,357, 1,556,358, 1,597,546, 1,597,545, same, Simplex train control; 1,608,187, same, Air brake control; 1,531,575, same, Automatic power control; filed Feb. 14, 1940, D. C., N. D. Ill., E. Div., Doc. 1379, *E. W. Parlee* v. *Union Pacific Railroad Co. et al.*

1,470,109. (See 1,470,107.)

1,470,109, A. L. Ruthven, Electro magnetic train control; 1,531,573, 1,531,576, 1,555,706, 1,556,357, 1,556,358, 1,597,545, same, Simplex train control; 1,608,187, same, Air brake control; 1,531,575, same, Automatic power control; filed Feb. 14, 1940, D. C., N. D. Ill., E. Div., Doc. 1380, *E. W. Parlee* v. *B. & O. Railroad Co. et al.*

1,488,656, G. H. Wallace, Chemical heater; 2,040,407, R. E. Reed, Chemical heating composition, filed Feb. 21, 1940, D. C., N. D. Ill., E. Div., Doc. 1390, *The Kendall Co.* v. *De Roos Laboratories, Inc.* Same, filed Mar. 1, 1940, D. C., N. D. Ill., E. Div., Doc. 1428, *The Kendall Co.* v. *Isana Products, Inc.*

1,528,561. (See 1,781,918.)

1,529,081. (See 1,781,918.)

1,531,573. (See 1,470,109 and 1,470,107.)

1,531,575. (See 1,470,109 and 1,470,107.)

1,531,576. (See 1,470,109 and 1,470,107.)

1,555,706. (See 1,470,109 and 1,470,107.)

1,556,357. (See 1,470,109 and 1,470,107.)

1,556,358. (See 1,470,109 and 1,470,107.)

1,581,188, C. G. Fink, Process of electrodepositing chromium and of preparing baths therefor; 1,802,463, same, Process of producing chromium-plated articles with mirror-like scratch finish, filed Mar. 7, 1940, D. C., N. D. Ill., E. Div., Doc. 1459, *United Chromium, Inc.*, v. *Royal Metal Mfg. Co.*

1,585,318. A. W. Tupper, Time-controlled electric signaling device; 1,585,319, same, Periodic electric signaling device; Re. 19,922, E. J. Gengler, Stock enclosure and system of electrically charging the same; Re. 20,725, L. Heidger, Electric fence; D. C., N. D. Ill., E. Div., Doc. 154, *E. J. Gengler et al.* v. *Montgomery Ward & Co.* By stipulation suit dismissed Jan. 16, 1940.

1,585,319. (See 1,585,318.)

1,597,545. (See 1,470,107 and 1,470,109.)

1,597,546. (See 1,470,107.)

1,608,187. (See 1,470,107 and 1,470,109.)

1,684,018. (See 1,781,918.)

1,716,962. (See Re. 18,118.)

1,718,025. (See Re. 18,841.)

1,763,970. (See Re. 18,118.)

1,772,824, H. Anderson, Bag closing machine; 1,984,049, 2,083,417, same, Bag closing and sealing machine, filed Mar. 15, 1940, D. C., N. D. Ill., E. Div., Doc. 1475, *General Mills, Inc.*, v. *Continental Coffee Co.*

1,781,394, Iorio and Iorio, Accordion; 2,069,447, C. Iorio, same, filed Mar. 9, 1940, D. C., N. D. Ill., E. Div., Doc. 1465, *C. Fischer Musical Instrument Co., Inc.*, v. *Chicago Musical Instrument Co.*

1,781,918, C. R. Edwards, Pipe pulling machine; 1,684,018, same, Pipe puller; 1,927,310, same, Well cleaning apparatus; 2,160,691, same, Outside pipe cutter; 1,529,081, 1,528,561, J. D. Nixon, Spear, filed Mar. 28, 1940, D. C., S. D. Tex. (Houston), Doc. 303, *C. R. Edwards et al.* v. *J. S. Abercrombie Co. et al.*

1,786,835 (See Re. 18,118.)

1,802,463. (See 1,581,188.)

1,802,652. (See Re. 18,118.)

1,804,577, Gould & Lake, Fuel metering apparatus; 1,918,606, J. T. Lake, same, filed Feb. 12, 1940, D. C., N. D. Ill., E. Div., Doc. 1367, *Economy Electric Devices Co.* v. *S. F. Bowser & Co., Inc.*

1,854,552, M. M. Leftevich, Method of setting rules for printing; 1,963,411, same, Plates for line printing and method of producing same, filed Mar. 4, 1940, D. C., N. D. Ill., E. Div., Doc. 1450, *M. M. Leftevich* v. *R. J. Shapiro* (*Universal Rule Form Co.*).

1,869,749. (See Re. 18,118.)

1,875,912. (See Re. 18,118.)

1,918,606. (See 1,804,577.)

1,921,274, A. A. Warner, Universal joint; 1,987,678, Goddard & Ketcham, Universal joint and cover, filed Feb. 3, 1940, D. C., E. D. Pa., Doc. 763, *Universal Products Co., Inc.*, v. *New England Auto Products Corp.*

1,927,310. (See 1,781,918.)

1,930,429. (See 1,452,043.)

1,960,245, A. F. Henninger, Jr., Flashing negative glow display device; 2,002,775, same, Cathode glow lamp; 2,020,413, same, Means for obtaining flame effects in negative glow devices; 2,069,308, 2,057,522, same, Negative glow lamps; 2,069,307, same, Method of treating electrodes of negative glow devices; 2,072,622, same, Circuit for negative glow devices; 2,108,487, same, Negative glow display, (Declaratory judgment), D. C., N. D. Ill., E. Div., Doc. 611, *Aerolux Light Corp.* v. *Anglo Corp. et al.* On stipulation cause dismissed without prejudice Sept. 25, 1939.

1,961,827. (See 1,452,043.)

1,961,828. (See 1,452,043.)

1,963,411. (See 1,854,552.)

1,984,049. (See 1,772,824.)

1,985,839. (See 1,452,043.)

1,987,678. (See 1,921,274.)

1,994,850. (See 2,150,311.)

2,002,775. (See 1,960,245.)

2,020,413. (See 1,960,245.)

2,029,561. (See 2,036,757.)

2,036,757, J. W. Hume, Adjustable balancer for vehicle wheels; 2,029,561, V. L. DuSang, Wheel balancing weight, D. C., S. D. Calif., C. Div., Doc. 195–B, *H. C. Loney Co. et al.* v. *W. F. Wright.* Patents held valid and infringed, injunction Mar. 25, 1940.

2,040,407. (See 1,488,656.)

2,057,522. (See 1,960,245.)

2,061,984. (See 1,452,043.)

2,067,533. (See Re. 18,118.)

2,069,307. (See 1,960,245.)

2,069,308. (See 1,960,245.)

2,069,447. (See 1,781,394.)

2,072,622. (See 1,960,245.)

2,081,031. (See Re. 20,170.)

2,083,417. (See 1,772,824.)

2,086,191. (See 1,452,043.)

2,108,487. (See 1,960,245.)

2,133,913. (See Re. 20,170.)

2,145,949, T. Obszarny, Plug and jack structure; 2,157,428, same, Plug and jack construction, filed Mar. 5, 1940, D. C., N. D. Ill., E. Div., Doc. 1452, *Guardian Electric Mfg. Co.* v. *Stoner Mfg. Corp.*

2,150,311, R. C. Baker, Wash-down and cementing shoe for well casing; 1,994,850, C. E. Burt, Cementing and floating shoe for well casings, filed Mar. 23, 1940, D. C., N. D. Okla. (Tulsa), Doc. 352, *Baker Oil Tools, Inc.*, v. *Larkin Packer Co., Inc.*

2,156,973, W. A. Davis, Extension device; 2,157,076, E. Haeffner, Bracelet construction, D. C., E. D. Pa., Doc. 628, *Gemex Co.* v. *L. & C. Mayers Co., Inc.* Stipulation dismissing case without prejudice Mar. 25, 1940.

2,157,076. (See 2,156,973.)

2,157,428. (See 2,145,949.)

2,160,691. (See 1,781,918.)

Re. 18,118, J. H. Pierce, Marine propulsion device; 1,786,835, O. Evinrude, Water cooling system for outboard motors; 1,869,749, F. T. Irgens, Exhaust tube for internal combustion engines; 1,802,652, same, Motor support; 1,875,912, J. W. Arndt, Cooling system for marine engines; 1,716,962, H. L. Johnson, Water propulsion device; 1,763,970, same, Stream line construction; 2,067,533, same, Spark plug cover, D. C., N. D. Ill., E. Div., Doc. 273, *Outboard Marine & Mfg. Co.* v. *Muncie Gear Works, Inc. et al.* (Cause 274 consolidated with 273). Claim 19 of Re. 18,118 held invalid; claims 1, 4, 5, 8, 9, and 10 of 1,786,835 held invalid; 1,869,749 held not infringed, and suit dismissed as to 1,802,652; claim 16 of 1,875,912 as construed and limited held not infringed; claims 11, 12, 13, and 14 of 1,716,962 held invalid; claims 3 and 14 of 1,763,970 held invalid; 2,067,533 held invalid for want of invention; bill dismissed Feb. 20, 1940.

Re. 18,841, J. Mayer, Hair waving method; 1,718,025, R. Bishinger, Hair curling appliance, D. C., N. D. Ill., E. Div., Doc. 149, *The Philad Co.* v. *H. Cross* (*Continental Mfg. Co.*). By stipulation cause dismissed without prejudice Jan. 15, 1940.

Re. 18,931. (See 1,452,043.)

Re. 19,642. (See 1,452,043.)

Re. 19,922. (See 1,585,318.)

Re. 20,170, 2,081,031, K. Berger, Swivel harp fixture for electric lamps; 2,133,913, same, Harp swivel, filed Mar. 12, 1940, D. C., N. D. Ill., Doc. 1468, *K. Berger* v. *P. Chilo* (*Chilo Mfg. & Plating Co.*).

Re. 20,725. (See 1,585,318.)

Des. 95,917, 95,918, C. D. McCann, Lighting fixture; Des. 95,973, 95,974, same, Surface supported lighting fixture, filed Apr. 20, 1939, D. C., S. D. Iowa, Doc. 26 Civil, *Modern Lighting & Mfg. Co.* v. *W. H. Eddy.* Dismissed Mar. 22, 1940.

Des. 95,918. (See Des. 95,917.)

Des. 95,973. (See Des. 95,917.)

Des. 95,974. (See Des. 95,917.)

Des. 116,996, W. Chappell, Font of type; T. M. 375,091, American Type Founders, Inc., Printer's type, filed Mar. 21, 1940, D. C., N. D. Ill., Doc. 1494, *American Type Founders, Inc.*, v. *A. P. Haase (Haase Type Foundry)*.

Des. 118,759, Des. 119,094, A. Philippe, Pin clip, filed Mar. 28, 1940, D. C. R. I. (Providence), Doc. 53 Civil, *Trifari, Krussman & Fishel Inc.* v. *Lisker & Lisker Inc.*

Des. 119,094. (See Des. 118,759.)

T. M. 375,091. (See Des. 116,996.)

Adjudicated Patents

(D. C. Pa.) Webster patent, No. 1,439,655, for wringer, claims 2, 4, and 5 *Held* invalid. *Etten* v. *Kauffman*, 32 F. Supp. 186.

(D. C. Mass.) Mossberg patent, No. 1,479,397, for carrier for braiding machines, claim 1 *Held* invalid. *Mossberg Pressed Steel Corporation* v. *Chace*, 32 F. Supp. 177.

(D. C. Pa.) Gehrlein patent, No. 1,709,071, for wringer, claims 2 and 3 *Held* invalid. *Etten* v. *Kauffman*, 32 F. Supp. 186.

(D. C. Pa.) Schuda patent, No. 1,709,098, for wringer, claim 1 *Held* not infringed, and claims 9 and 10 *Held* invalid. *Id.*

(D. C. Pa.) Gehrlein patent, No. 1,709,125, for wringer, claims 1 and 2 *Held* invalid. *Id.*

(C. C. A. Ind.) Gravell and Douty patent, No. 1,796,839, for material for selectively controlling metal pickling baths, *Held* not infringed. *American Chemical Paint Co.* v. *Reilly Tar & Chemical Corporation*, 110 F.(2d) 720.

(D. C. Mich.) Nordmark patent, No. 2,046,649, for chair, claims 1, 2, 3, and 4 *Held* not infringed. *American Seating Co.* v. *Ideal Seating Co.*, 32 F. Supp. 169.

(D. C. Pa.) Kauffman patent, No. 2,065,329, for wringer, claim 4 *Held* invalid and even if valid, not infringed. *Etten* v. *Kauffman*, 32 F. Supp. 186.

(D. C. Pa.) Kauffman patent, No. 2,065,330, for wringer, claims 4, 6, 7, 8, and 9 *Held* invalid, and even if valid, not infringed. *Id.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,165,088, R. L. Anderson, Pick-up device, decided May 23, 1940, claims 11, 13, 14, 15, 17, 18, and 19.

Pat. 2,177,730, T. J. Lockwood, Potato digger chain, decided May 15, 1940, claims 1 and 2.

Pat. 2,065,995, L. J. Dorfman, Machine for perforating cigars, decided May 17, 1940, claim 12.

Pat. 2,157,245, L. S. Reagan, Motor modulator, decided May 17, 1940, claims 1, 2, 3, 5, 6, 7, 8, 9, and 10.

Disclaimers

2,105,905.—*Salisbury M. Day*, Rochester, N. Y. AUTOMATIC BLOCK SIGNALLING SYSTEM FOR RAILROADS. Patent dated January 18, 1938. Disclaimer filed May 18, 1940, by the assignee, *General Railway Signal Company*.

Hereby enters this disclaimer by disclaiming from claim 1 any system of automatic block signalling, except wherein the slow release relays act to energize the line circuit for the signal next in the rear with current of one polarity if the color screen of the signal assumes the stop position when the track relay of the track circuit next in advance is deenergized and open said line circuit when the color screen of the signal fails to assume the stop position in response to deenergization of said track relay.

2,119,021.—*Frederick E. Moskovics*, Greenwich, Conn., and *Victor R. Abrams*, Maplewood, N. J. SHAVING APPARATUS. Patent dated May 31, 1938. Disclaimer filed May 18, 1940, by the assignee of one-half interest, *Eleanor U. Andrews*, and *Victor R. Abrams*, co-inventor.

Hereby enter this disclaimer to claim 5 in said Letters Patent.

2,125,240.—*Forest B. Hitchcock*, Greece, N. Y. TRACK CIRCUIT FOR RAILROADS. Patent dated July 26, 1938. Disclaimer filed May 18, 1940, by the assignee, *General Railway Signal Company*.

Hereby enters this disclaimer by disclaiming from claim 5 any system of railway signalling, except wherein the "electro-magnetic means" which assumes "a particular magnetized condition of only one polarity during such variations" in "current flow in said track circuit" for either an increase or a decrease in such current flow.

2,150,868.—*Sedgwick N. Wight*, Rochester, N. Y. INTERLOCKING SYSTEM FOR RAILROADS. Patent dated March 14, 1939. Disclaimer filed May 18, 1940, by the assignee, *General Railway Signal Company*.

Hereby enters this disclaimer by disclaiming from claim 12 any traffic controlling system except wherein said "one operated position" and said "another operated position" of said "manually operable control switch" are n pushed in position and pulled out position, respectively.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 11, 1940

[VOL. 515. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 430,681. THE EAST ASIATIC CO., INC., San Francisco, Calif. Filed Apr. 12, 1940.

IMPERIAL

For Peat Moss.
Claims use since Jan. 18, 1940.

Ser. No. 430,731. JOHN R. EVANS & COMPANY, Camden, N. J. Filed Apr. 13, 1940.

BROGANDI

For Kid Leathers.
Claims use since Jan. 20, 1939.

CLASS 2

Receptacles

Ser. No. 429,870. ROSS G. RUSCH, doing business as The Nega-File Company, Easton, Pa. Filed Mar. 22, 1940.

NEGA FILE

No claim is made to the word "File" apart from the mark.
For Envelopes for Use in Filing Photographic Negatives.
Claims use since Dec. 15, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 430,310. DESMOND'S, Los Angeles, Calif. Filed Apr. 3, 1940.

MAIN LINE

For Trunks, Suit Cases, Wardrobe Bags, Overnight Bags, Valises, and Hand Bags.
Claims use since Dec. 30, 1939.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 418,040. HOWERTON GOWEN, Roanoke Rapids, N. C. Filed Apr. 10, 1939.



The head of a lady is fanciful.
For Preparation for Cleaning and Removing Spots from Cloth, Wearing Apparel, Leather, Stone, Woodwork, and the Skin.
Claims use since Feb. 10, 1939.

Ser. No. 429,246. ROBERT W. BURKE, III, doing business as DSK Products Company, Philadelphia, Pa. Filed Mar. 6, 1940.

DSK

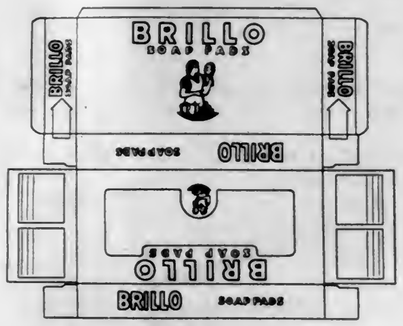
For Soap Flakes Having Incidental Bluing Properties.
Claims use since June 1, 1936.

Ser. No. 430,535. ALFRAMINE CORPORATION, New York, N. Y. Filed Apr. 9, 1940.

BETRAMINE

For Soapless Soap Powders.
Claims use since Aug. 10, 1939.

Ser. No. 430,671. BRILLO MANUFACTURING COMPANY, INC., New York and Brooklyn, N. Y. Filed Apr. 12, 1940.

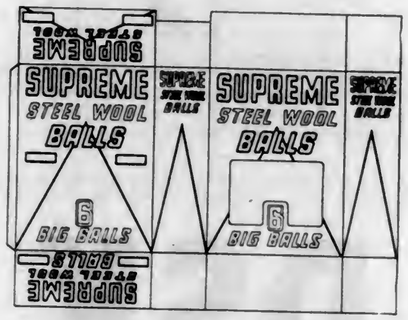


No claim is made to the representation of the carton apart from the mark as shown on the drawing and no claim is made to the words "Soap Pads" apart from the word "Brillo" and apart from the other features of the mark as shown in the drawing, and applicant waives none of its common law rights in said mark or any feature thereof.

For Soaps, Cleaning, Scouring, and Polishing Wads, Pads, Rolls, and Cloths of Abradent Nature for Removing Foreign Matter from Metal and Other Surfaces.

Claims use since Sept. 1, 1939.

Ser. No. 430,672. BRILLO MANUFACTURING COMPANY, INC., New York and Brooklyn, N. Y. Filed Apr. 12, 1940.

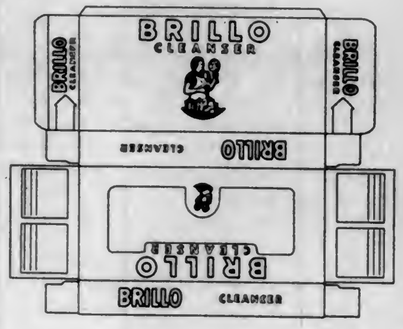


No claim is made to the representation of the carton in the drawing apart from the mark shown and no claim is made to the words "Steel Wool Balls", to the words "6 Big Balls" and to the words "Steel Wool" apart from the word "Supreme" and apart from the other features of the mark as shown in the drawing, and applicant waives none of its common law rights in said mark or any features thereof.

For Soaps, Cleaning, Scouring, and Polishing Wads, Pads, Rolls, and Cloths of Abradent Nature for Removing Foreign Matter from Metal and Other Surfaces.

Claims use since Sept. 1, 1939.

Ser. No. 430,673. BRILLO MANUFACTURING COMPANY, INC., New York and Brooklyn, N. Y. Filed Apr. 12, 1940.



No claim is made to the representation of the carton apart from the mark as shown on the drawing and no claim is made to the word "Cleanser" apart from the word "Brillo" and apart from the other features of the mark as shown in the drawing, and applicant waives none of its common law rights in said mark or any feature thereof.

For Soaps, Cleaning, Scouring, and Polishing Wads, Pads, Rolls, and Cloths of Abradent Nature for Removing Foreign Matter from Metal and Other Surfaces.

Claims use since Sept. 1, 1939.

Ser. No. 430,674. BRILLO MANUFACTURING COMPANY, INC., New York and Brooklyn, N. Y. Filed Apr. 12, 1940.



The drawing is lined for red, green, and black. No claim is made to the representation of the carton apart from the mark.

For Soaps, Cleaning, Scouring, and Polishing Wads, Pads, Rolls, and Cloths of Abradent Nature for Removing Foreign Matter from Metal and Other Surfaces.

Claims use since Sept. 1, 1939.

Ser. No. 430,675. BRILLO MANUFACTURING COMPANY, INC., New York and Brooklyn, N. Y. Filed Apr. 12, 1940.



The drawing is lined for red, green, and black. No claim is made to the representation of the carton apart from the mark.

For Soaps, Cleaning, Scouring, and Polishing Wads, Pads, Rolls, and Cloths of Abradent Nature for Removing Foreign Matter from Metal and Other Surfaces.

Claims use since Sept. 1, 1939.

Ser. No. 430,723. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 13, 1940.

CELANESE

For Soap.

Claims use since Apr. 12, 1940.

Ser. No. 431,018. NAYLEE CHEMICAL COMPANY, Philadelphia, Pa. Filed Apr. 20, 1940.

NALON

For Concentrated Soapless Cleaner in Powder, Tablet, or Cube Form, to be Added to Water for Washing Dishes, Hosiery, Silk, and Wool.

Claims use since Apr. 12, 1940.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 420,408. FREDERICK GODFREY, doing business as Adams Products Company, Adams, N. Y. Filed June 12, 1939.

RENAIR

For Hair Lotions, Brilliantine, Shampoos, Pomades and Lotions for Stimulating Hair Growth, Dandruff Lotions, and Colour Restorers.

Claims use since Apr. 5, 1930.

Ser. No. 424,676. AMERICAN DRUGGISTS SYNDICATE, INC., Long Island City, N. Y. Filed Oct. 19, 1939.

ADERMA

For Analgesic Balm, Headache and Neuralgia Preparations, Antiseptic Poultices, Antiseptic Liquid Catarrhal Snuff, Ant-Paste, Aromatic Cascara, Arnica Salve, Infant Cough Preparations, Beef, Iron, and Wine; Saline Preparations for Bladder and Kidney Troubles, Alkaline Antiseptic Solutions for the Relief of Nasal Catarrh and Sore Throat, Tablets for the Breath, Camphor-Menthol Liniment for Relieving Inflammatory Congestion, Camphor-Ice Preparations, Carbolic Salve, Celery and Viburnum, Charcoal Tablets, Malarial Tonics, Chlorate-of-Potash Tablets, Cod-Liver Oil and Emulsions for Strengthening Purposes, Cold Cream, Cold and Grippe Tablets, Colic and Diarrhea Preparations, Corn-Patches and Preparations for Corns, Coughs and Croup Preparations, Hair Pomades, Dyspepsia Tablets, Neutralizers for the Odors of Perspiration, Digestive Tablets, Effervescent Bromo, Effervescent Magnesium Citrate, Effervescent Soda Phosphate, Eye Waters and Salves, Antiseptic Preparations for Eczema, Fig-Syrup and Cascara, Fig-Syrup and Senna, Foot Tablets and Powders for Relief of Feet, Preparations for Constipation, Glycerin Suppositories, Hair-Tonics, Headache Powders and Wafers, Hepatic Salts, Effervescent and Bromo Salts, Herb Tea for Laxative Purposes; Hypophosphites, Compound Syrup; Insect Powders, Iron Tonic Bitters, Castor-Oil, Kidney Preparations, Disinfectants, Laxative Chocolate Confection, Shampoo Preparations, Liquid Court-Plaster, Larkspur Compound, Liver-Pills, Lithia Tablets, Milk Magnesia, Menthol-Inhalers, Menthol-Pencils, Tonic and Anodyne for the Relief of Menstruation, Pepsin and Pepsin Tablets, Pile Preparations, Poison Fly-Paper and Poison Lotions, Straw-Hat Dye, Rat-Poison, Rat and Roach Pastes, Rheumatic Preparations, Russian Mineral Oil, Sarsaparilla Compound, Mosquito-Lotion, Soda-Mint and Pepsin Tablets, Soothing Syrup, Sulfur and Cream-of-Tartar Lozenges, Soda Mint and Charcoal Tablets, Throat Lozenges, Witch-Hazel, Toothache Preparations, White-Pine Expectorants with Tar and Mentholates, Worm Preparations.

Claims use since Sept. 27, 1939.

Ser. No. 425,106. ALUMINUM ORE COMPANY, East St. Louis, Ill. Filed Nov. 1, 1939.



For Alumina, Aluminum Fluorides, Sodium Fluorides, Calcium Fluorides, Zinc Fluorides, Lead Fluorides, Magnesium Fluorides, Barium Fluorides, Calcium Oxide, Hydrated Calcium Oxide, Calcium Sulfates, Hydrofluoric Acid, Hydrofluoboric Acid, Alkali Metal Fluoborates, Calcium Aluminate, Sodium Pyro-Arsenate, Bauxite Ore Residues, Treated Bauxite Ore Residues, Fluxes for Light Metals, and Bauxite Ore Concentrates Such as Mono-hydrated Bauxite and Mono-Hydrates, Di-Hydrates and Tri-Hydrates of Alumina.

Claims use since May 25, 1938.

Ser. No. 425,158. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Nov. 2, 1939.

POLYNOL

For Interaction Products of Aldehydes and Ketones,

Polymethylol Acetones and Other Polyalkylol Ketones, Derivatives Thereof, and Glycerine Substitutes, for Use in the Industrial Arts, as Modifiers, Flexibilizers, Tanning Agents, Impregnants or Preservatives, Singly or in Combination with Other Ingredients Such as Proteins, Glues and Gelatins and the Like, Employed in the Manufacture of Printing Rolls and Resinous Compositions or in the Making or Treating of Paper Products, Hectographs, Tobacco, Cosmetics and Embalming Fluids.
Claims use since Mar. 29, 1938.

Ser. No. 427,178. THE TANNOLITE CO. INC., New Rochelle, N. Y. Filed Jan. 5, 1940.

PHEN-TANNOL

For Mouth Wash and Gargle.
Claims use since Nov. 1, 1939.

Ser. No. 427,309. LANDER CO. INC., New York, N. Y. Filed Jan. 10, 1940.

Romantic Days

For Toilet Water and Talcum Powder, Shampoo, Cold Cream, Face Powder, Skin Lotion, and Sachet.
Claims use since Dec. 22, 1939.

Ser. No. 427,757. H. KOHNSTAMM & CO. INC., New York, N. Y. Filed Jan. 23, 1940. Under 10-year proviso.

ATLAS

For Coal Tar Dyes.
Claims use since Jan. 1, 1884.

Ser. No. 427,819. PRO-LONG, INC., Providence, R. I. Filed Jan. 24, 1940.

PRO LONG

For Preparation Designed to Prevent Runs in Silk Stockings, Prevent Threads Pulling in Silk Stockings, and Giving Longer Wear to Silk Stockings.
Claims use since Sept. 15, 1939.

Ser. No. 428,492. MEDICAL PRODUCTS INSTITUTE, INC., Cincinnati, Ohio. Filed Feb. 12, 1940.

HAYRIN

For Volatile Antiseptic Medicinal Fluid to Impregnate a Pad Which Pad is Contained in Nasal Filter Device for Shrinking and Soothing Nasal Membrane.
Claims use since Feb. 1, 1940.

Ser. No. 428,494. MEDICAL PRODUCTS INSTITUTE, INC., Cincinnati, Ohio. Filed Feb. 12, 1940.

RALIN

For Medicinal Fluid Preparation Containing Medicine Used for the Relief of Allergic Ailments to be Taken Internally, Said Preparation Contains Ephedrine Sulphate, Potassium Iodide, Potassium Chloride, and Ammonium Chloride.
Claims use since Feb. 1, 1940.

Ser. No. 428,770. THE SEXTON CO., Kansas City, Mo. Filed Feb. 21, 1940.

RED D MIX

The term "Mix" and the letter D are disclaimed apart from the mark. The drawing is lined for red.
For Vitamin Oil Pre-Mix Used in Connection with or as an Adjunct to Poultry or Animal Feed.
Claims use since Feb. 1, 1940.

Ser. No. 428,809. JAMES R. DUPUY, doing business as Memphis Chemical Company, Memphis, Tenn. Filed Feb. 23, 1940.

DRAPER'S Z RUB

The drawing is lined for blue. The word "Rub" is disclaimed apart from the mark.
For Inhalent and Rubbing Salve for the Treatment of Croup, Pneumonia, and Asthma.
Claims use since Apr. 1, 1927.

Ser. No. 428,935. SUPERCURLINE CORP., New York, N. Y. Filed Feb. 26, 1940.

KRISTOL

For Hair Waving Cream.
Claims use since Dec. 5, 1939.

Ser. No. 429,012. SULPHUR PRODUCTS INC., Wooster, Ohio. Filed Feb. 28, 1940.

THIO-PHIL

For Hydrophilic, Colloidal, Sulphur Preparation for Local Application on the Skin Useful as a Fungicide in Treating Skin Infections.
Claims use since Jan. 10, 1940.

Ser. No. 429,150. WILDROOT CO., INC., Buffalo, N. Y. Filed Mar. 2, 1940.

WILCO

For Brilliantine, Brilliantine with Olive Oil, After-Wave Oil, and Rose Hair Oil.
Claims use since Feb. 23, 1940.

Ser. No. 429,311. EDWARD T. MAZILAUSKAS, doing business as Dorf Company, New York, N. Y. Filed Mar. 7, 1940. Under 10-year proviso.

Since DORF 1827

For Hand Cream, Skin and Texture Cream, Emollient Cream, for Chapped Hands, Rough Skin, Sunburn, and for Use After Shaving, Cold Cream, Antiseptic Powder for Vaginal Douche and Soda Pastilles.
Claims use since 1886.

Ser. No. 429,415. PUREX PRODUCTS, INCORPORATED, Baltimore, Md. Filed Mar. 9, 1940.

WINNER

For Medicinal Mineral Oil, Cod Liver Oil, Rubbing Alcohol, Rubbing Alcohol Compound, Bay Rum, Quinine Hair Tonic, Mouth Wash, Witch Hazel, Castor Oil, Petroleum Jelly, Aspirin, Beef, Wine and Iron; Body Rub Liniment, Milk of Magnesia, Peroxide of Hydrogen, Saccharin, Soda Mint, Sodium Phosphate, Boric Acid, Sun Tan Oil, Sodium Perborate, Sodium Bicarbonate, Epsom Salts, Spirits of Ammonia, Healing Ointment, Tincture of Iodine, Preparation for Dressing the Hair, Brilliantine, Glycerine and Rosewater, Glycerine, Talcum Powder, Citrate of Magnesia, Petrolatum, Cold Cream, Pomades, Healing Salves, Face and Body Lotions.
Claims use since May 18, 1935.

Ser. No. 429,657. JAY-THORPE, INC., New York, N. Y. Filed Mar. 16, 1940.

"Hearts and Flowers"

For Scents Such as Perfumes and Toilet Water.
Claims use since Feb. 15, 1940.

Ser. No. 429,802. ARMSTRONG LABORATORIES, Tulsa, Okla. Filed Mar. 21, 1940.

À Lui

For Manicure Cream.
Claims use since Mar. 4, 1940.

Ser. No. 429,982. IRRESISTIBLE, INC., Jersey City, N. J. Filed Mar. 26, 1940.

GAY DECEIVER

For Perfume.
Claims use since Mar. 19, 1940.

Ser. No. 430,041. FRANK J. SOWA, doing business as Silbrite Chemical Company, New York, N. Y. Filed Mar. 27, 1940.

PURIZED

For Chemical Compositions for Rendering Materials Antiseptic.
Claims use since Feb. 23, 1940.

Ser. No. 430,042. FRANK J. SOWA, doing business as Silbrite Chemical Co., New York. N. Y. Filed Mar. 27, 1940.

PURATIZED

For Chemical Compounds for Rendering Materials Antiseptic and Germicidal.
Claims use since Feb. 23, 1940.

Ser. No. 430,054. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Mar. 28, 1940.

LINGER

For Lipstick, Rouge, Face Powder, Eyelash and Eye-

brow Mascara, Pads Impregnated with Deodorant and Anti-Perspirant Lotion, Creams for the Hands and Face, Cleansing Pads Impregnated with Lotion, Preparations for Skin, Hair, and Finger Nails, Perfumes, Colognes, and Deodorant Colognes.
Claims use since Mar. 18, 1938.

Ser. No. 430,092. PARFUMS CHEVALIER GARDE, INC., New York, N. Y. Filed Mar. 28, 1940.

ARTRA

For Cosmetic Lotion.
Claims use since Mar. 21, 1940.

Ser. No. 430,366. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y. Filed Apr. 4, 1940.

SOLOX

For Alcohol-Type Solvent Having General Use in the Industrial Arts.
Claims use since March, 1931.

Ser. No. 430,398. HERCULES POWDER COMPANY, Wilmington, Del. Filed Apr. 5, 1940.

PENTALYN

For Synthetic Resin To Be Used in Protective Coatings, Adhesives, and Printing Inks, and Having a General Use in the Industrial Arts.
Claims use since Mar. 11, 1940.

Ser. No. 430,468. VAN TAMERLANE, doing business as Lady Godiva Laboratories, Los Angeles, Calif. Filed Apr. 6, 1940.

LADY GODIVA



For Facial Creams, Rouge, and Face Powder.
Claims use since July 4, 1939.

Ser. No. 430,531. WRIGHT & LAWRENCE, INC., Chicago, Ill. Filed Apr. 8, 1940.

Best Man

For After Shaving Lotion and Talcum Powder.
Claims use since Sept. 15, 1939.

Ser. No. 430,861. CROMO LABORATORIES, INC., Garfield, N. J. Filed Apr. 17, 1940.

SKIN-FOIL

No claim is made to the word "Skin" apart from the mark.
For Unctuous Cream for Application to the Skin for Industrial Uses Such as a Protection Against Grime, Grease, Paint, Lacquer, Gasoline, and Other Organic Chemicals and Materials.
Claims use since Jan. 1, 1940.

Ser. No. 430,992. W. H. BARBER COMPANY, Minneapolis, Minn. Filed Apr. 20, 1940.

CIRCULITE

For Anti-Freeze Solution.
Claims use since Apr. 6, 1940.

Ser. No. 430,993. W. H. BARBER COMPANY, Minneapolis, Minn. Filed Apr. 20, 1940.

FREEZITE

For Anti-Freeze Solution.
Claims use since Apr. 6, 1940.

Ser. No. 431,054. CENTRAL LABORATORIES, INCORPORATED, Stamford, Conn., and St. Petersburg, Fla. Filed Apr. 22, 1940.

C·L·C

For Poultry and Livestock Conditioner.
Claims use since Dec. 15, 1937.

Ser. No. 431,069. JOHN CHAPMAN MASON, doing business as Creative Products Company, New York, N. Y. Filed Apr. 22, 1940.

BLOTTO

For Insecticides for Vermin Exterminating Purposes.
Claims use since Mar. 15, 1940.

Ser. No. 431,122. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Apr. 23, 1940.

PLATINE

For Perfumes.
Claims use since Sept. 29, 1939.

Ser. No. 431,204. H. O. HURLEY CO., INC., Louisville, Ky. Filed Apr. 25, 1940.

ENTEROSAN

For Pharmaceutical Product Intended for Use as an Aid in the Correction of Certain Types of Intestinal Disturbances.
Claims use since Apr. 17, 1940.

Ser. No. 431,246. THE GROSS PHOTO SUPPLY CO., Toledo, Ohio. Filed Apr. 26, 1940.

GOLBLEND

For Redeveloping Solution Used in Photography.
Claims use since Sept. 1, 1937.

Ser. No. 431,268. M. V. C. LABORATORIES, INC., Toledo, Ohio. Filed Apr. 26, 1940.

NAUTICAL RED

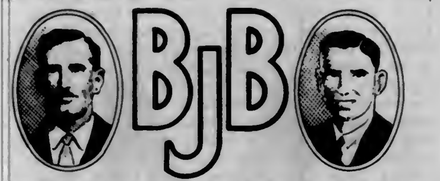
No claim is made to the word "Red" apart from the mark.
For Nail Polish.
Claims use since Mar. 29, 1940.

Ser. No. 431,281. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Apr. 26, 1940.

SHOWERSAN

For Disinfectant to Be Used in Connection with the Prevention of Athlete's Foot.
Claims use since Apr. 4, 1940.

Ser. No. 431,285. BJB COMPANY, Green Bay, Wis. Filed Apr. 27, 1940.



The portraits are those of Ben Joseph Berg and Clifford Robert Berg, members of applicant firm.
For Liniment to Be Applied Externally for the Relief of Headaches, Rheumatism, and Muscular Aches and Pains.
Claims use since Jan. 15, 1937.

Ser. No. 431,349. CITIES SERVICE OIL COMPANY, Bartlesville, Okla. Filed Apr. 29, 1940.

Sanaid

For Disinfectant.
Claims use since Feb. 28, 1940.

Ser. No. 431,380. ISAAC SIMMONS, Liberty, Miss. Filed Apr. 29, 1940.

Teakel Salve SIMMONS

The word "Salve" is disclaimed apart from the mark.
For Preparation for the Treatment of Piles, Burns, Boils, Cuts, and Sores.
Claims use since July 1, 1939.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 429,941. JACK GALTER, Chicago, Ill. Filed Mar. 25, 1940.

DEBONAIRE

For Smoking Pipes and Cigarette Holders.
Claims use since Sept. 12, 1938.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 427,129. ATLAS POWDER COMPANY, Wilmington, Del. Filed Jan. 4, 1940.

PETROGEL

For Dynamite.
Claims use since Mar. 31, 1937.

Ser. No. 430,176. COPEMAN LABORATORIES COMPANY, Flint, Mich. Filed Mar. 30, 1940.

KITCHEN

For Matches.
Claims use since Mar. 19, 1940.

CLASS 10

Fertilizers

Ser. No. 429,622. THE PHOSPHATE MINING COMPANY, New York, N. Y. Filed Mar. 15, 1940.

ULTRAFOS

For Fertilizer and Fertilizer Materials.
Claims use since Mar. 4, 1940.

CLASS 12

Construction Materials

Ser. No. 404,844. FARMERS FEDERATION INC., Asheville, N. C. Filed Apr. 4, 1938.

COON-BRAND OF ROOFING

No claim is made to the words "Brand" and "Roofing" apart from the mark.

For Roofing Composed of a Base Impregnated with Asphalt, Pitch, or Tar.

Claims use since Mar. 1, 1938.

Ser. No. 426,703. THE NATIONAL BRONZE AND ALUMINUM FOUNDRY COMPANY, Cleveland, Ohio. Filed Dec. 18, 1939.

TEN-LOX

For Non-Slipping Plates for Platforms, Flooring, Decks for Ships, Safety Floors in Plants Subject to Oil Spray, and Other Incidental Uses, Such as Stair Treads, Ramps, and Other Surfaces, Formed of Abrasive Particles Embedded in Aluminum or Similar Metal.

Claims use since Sept. 1, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 418,028. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio. Filed Apr. 10, 1939.

AUSTEMPERED

The drawing is lined for red and blue.

For Springs for General Use.

Claims use since Sept. 20, 1938.

Ser. No. 418,029. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio. Filed Apr. 10, 1939.

U. S. S. AUSTEMPERED

The drawing is lined for red and blue.

For Springs for General Use.

Claims use since Sept. 20, 1938.

Ser. No. 422,595. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Filed Aug. 14, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

NATIONAL CO-OP COOPERATIVES

For Building Hardware—Namely, Nails, Staples, Screws, Tacks, Brads, Spikes, Metal Stakes, Window Sash Chains, Window Pulleys, Swivels, Curtain Fixtures, Hinges, Door Checks, Door Hangers and Tracks, Door Knobs, Door Springs, Hasps, Metal Stall Gutters, Wire Screening, Fireplace Screens and Andirons, Hardware Cloth, Stair Plates, Metal Letters and Numbers, Transom Lifters, Wall Hooks and Hangers, Door Chains, Curtain Rods, Drape Brackets, Towel Racks, Nuts, Bolts, Metal Washers, Cock, Faucet, and Valve Washers, Rivets, Casters, Hose Sprinklers, Nozzles, and Clamps, Copper, Brass and Blocked Tin Tubing, Skid Chains, Harness Chains, Steel Stanchions, Logging Chains, Barbed Wire, Woven Fence Wire, Metal Posts and Fence Gates, Bale Ties, Base Metal Table and Cooking Hollow Ware, Base Metal Drinking Cups; Wall Soap Trays, Glass Holders, Tooth Brush Holders and Broom Holders; Chafing Dishes, Metal Cuspidors, Poultry and Livestock Drinking Pans Connected to Plumbing; Pressure Cookers, Septic Toilet Bowls, Closet Tanks, Iron, Cast Iron and Lead Pipe and Pipe Fittings; Water Softening Tank Units, Steel Roller Chains, Steel Sprocket Chains, Cotter Pins, Metal Belt Lacing, Door Handles, Tire Valve Stems, Sinks, Bath Tubs, Closet Bowls, Urinals, Wash Bowls, Wash Basins, Stationary Laundry Tubs, Foot Baths, Shower Fixtures, Metal Shower Baths, Faucets, Water Closet Seats, Waste Cocks, Flush Tanks and Parts Thereof, Septic Tanks, Metal Syphons, and Plumbing, Gas-Fitting and Steam-Fitting Valves.

Claims use since December, 1929.

Ser. No. 427,580. CHARLES L. HABER, New York, N. Y. Filed Jan. 18, 1940.

BRICO

For Faucet Washers, Toilet Seats, and Pipe-Fittings.

Claims use since Sept. 1, 1938.

Ser. No. 428,622. OUTDOOR SUPPLY COMPANY, INC., New York, N. Y. Filed Feb. 16, 1940.

OSCO

For Aluminum Cooking Kits and Mess Kits.

Claims use since Feb. 5, 1940.

Ser. No. 430,392. GULF COAST MACHINE & SUPPLY COMPANY, Beaumont, Tex. Filed Apr. 5, 1940.

GULFCO

For Oil Field Equipment—Namely, Choke Valves, Needle Valve Chokes, Nipples, Male Crosses, Female Crosses, Female L's Steel Unions, Male and Female Crosses, Female T's, Bull Plugs, Strapped Links, and Christmas Trees.

Claims use since February, 1922.

Ser. No. 430,766. ECONOMY VALVE COMPANY, Detroit, Mich. Filed Apr. 15, 1940.

WATER MISER

For Faucet Washers.

Claims use since Dec. 9, 1939.

Ser. No. 431,016. MOLINE MALLEABLE IRON COMPANY, St. Charles, Ill. Filed Apr. 20, 1940.

M

For Chains, Chain Links, and Chain Flights.

Claims use since Aug. 23, 1890.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 429,096. JACKSON-WHEELER METALS SERVICE, INC., Brooklyn, N. Y. Filed Mar. 1, 1940.

ROLLITE

For Bearing Metal Alloys, Babbitt Metals, and White Metal Alloys, Used as Anti-Frictional Media.

Claims use since Feb. 5, 1940.

CLASS 16

Paints and Painters' Materials

Ser. No. 430,663. O'NEIL DURO COMPANY, Milwaukee, Wis. Filed Apr. 11, 1940.

HYDROLATED PAINT

No claim is made to the word "Paint" apart from the mark.

For Mixed Paints, Ready Mixed Paints, Cold-Water Paints, and Oil Paints.

Claims use since Apr. 6, 1939.

CLASS 17

Tobacco Products

Ser. No. 430,582. CRIMSON COACH INCORPORATED, Toledo, Ohio. Filed Apr. 11, 1940.

BIG 4

For Smoking and Chewing Tobacco, Cigars, and Cigarettes.

Claims use since Mar. 27, 1940.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 424,997. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Oct. 28, 1939.

CD

For Automobile Heaters Using Hot Fluids from the Engine.

Claims use since Aug. 6, 1939.

Ser. No. 431,049. THE HUFFMAN MANUFACTURING COMPANY, Dayton, Ohio. Filed Apr. 22, 1940.

Mainliner

For Bicycles and Structural Parts Therefor.
Claims use since Apr. 11, 1940.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 429,711. MITCHELL MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 18, 1940.

FLUOR-O-DAPTER

For Electric Fluorescent Lighting Units.
Claims use since Mar. 5, 1940.

Ser. No. 430,694. NAMCO MANUFACTURING CO., INC., New York, N. Y. Filed Apr. 12, 1940.

NAMCO

For Radio Receiving Sets and Parts Thereof.
Claims use since Apr. 6, 1940.

Ser. No. 430,893. BLILEY ELECTRIC COMPANY, Erie, Pa. Filed Apr. 18, 1940.

Vari-X

For High Frequency Oscillation Generator Apparatus Employing Electro-Mechanically-Vibratile Elements for Frequency Control and Parts, Supplies, and Accessories for Such Devices.
Claims use since Apr. 4, 1940.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 431,426. MARGARET C. PECK, Libertyville, Ill. Filed Apr. 30, 1940.

ZIPPS

For Dolls.
Claims use since Feb. 22, 1940.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 399,780. SOUTHWORTH MACHINE COMPANY, Portland, Maine. Filed Nov. 15, 1937.



The words "Dry Non-Offset Distributor", "Quality", "Trade Mark" and "Portland, Maine", are disclaimed apart from the mark.
For Attachment for a Printing Press or the Like Designed to Spread Onto the Printed Sheets as They Leave the Sheet Delivery Mechanism of the Press a Powder to Prevent the Sheets from Smudging One Another When Piled.
Claims use since July 31, 1937.

Ser. No. 419,482. JAMES A. KING, Portland, Oreg. Filed May 16, 1939.

King Special

The word "Special" is disclaimed apart from the mark.
For Portable Hand Fire Extinguishers.
Claims use since Oct. 6, 1937.

Ser. No. 424,480. LANDIS MACHINE COMPANY, Waynesboro, Pa. Filed Oct. 12, 1939.

LANRAC

For Tangential Chasers.
Claims use since Oct. 27, 1938.

Ser. No. 428,367. LANDON P. SMITH, INC., Irvington, N. J. Filed Feb. 8, 1940.

Red Devil

For Holders for Sandpaper and Steelwool During Usage as Abrasives, Linoleum and Roofing Knives, Razor Blades and Razor Blade Holders, Scraper Files, Pliers, Glass Pliers, Glass Nippers, Glass Rollers, Glazier's Chisels, Putty Plows, Glazier's Hammers, Glass Holders, Drills, Augers and Bits, and Masonry Drills.
Claims use since Feb. 1, 1900.

Ser. No. 428,368. LANDON P. SMITH, INC., Irvington, N. J. Filed Feb. 8, 1940.

Red Devil

For Mechanical Paint Brush Cleaners, Painters' Kits Containing Principally a Set of Tools Used by Painters, Roller Stipplers and Parts Therefor, Paper Hanger's Knives and Wheels Therefor, Paper Hanger's Seam Rollers, Linoleum and Roofing Knives, Putty Knives and Spreaders, Wall Scrapers, Painter's Crack Cutters
Claims use since Feb. 1, 1900.

Ser. No. 428,479. GOODALL MANUFACTURING COMPANY, Warrensburg, Mo. Filed Feb. 12, 1940.



The wording "Rotary Cutter", "Manufactured by", and "Warrensburg, Missouri" is disclaimed. The drawing is lined for red and gold.
For Power Driven Rotary Lawn Mowers.
Claims use since Feb. 1, 1939.

Ser. No. 428,931. RAPID ROLLER CO., Chicago, Ill. Filed Feb. 26, 1940.

MERCURY

For Printers' Rollers, Composition Coated Rollers, Offset and Lithograph Rollers, Rotogravure Rollers, and Rubber Rollers.
Claims use since Jan. 1, 1929.

Ser. No. 429,127. THE MCBEE COMPANY, Athens, Ohio, Filed Mar. 2, 1940.

KEYSORT

For Key and Gang Punches, Manually or Power Operated Numbering Machines, Slotting, Punching, and Numbering Machines, Trimmers, Dies, Templates for Punching Machines, Master Plates for Punching or Slotting Machines, Combination Slotting, Punching or Numbering Machines.
Claims use since July, 1933.

Ser. No. 429,463. WELLS MANUFACTURING CORPORATION, Fond du Lac, Wis. Filed Mar. 11, 1940.



Pony Power

No claim is made to the word "Power" apart from the mark.
For Gasoline Engines.
Claims use since December, 1936.

Ser. No. 429,555. THE AMERICAN PULLEY COMPANY, Philadelphia, Pa. Filed Mar. 14, 1940.

AMERICAN GRIPLEX

Applicant disclaims the word "American" apart from the mark.
For Pulleys and Pulley Sets.
Claims use since Dec. 23, 1939.

Ser. No. 429,742. MOTOR PARTS & SUPPLY CO., Liberal, Kans. Filed Mar. 19, 1940.

MOPAR

For Crank Shafts, Crank Shaft Bearings, Connecting Rods, Connecting Rod Bearings, Pistons, Piston Pins, Timing Gears, Timing Chains, Cylinder Heads, Valves, and Valve Seats for Internal Combustion Engines.
Claims use since March, 1937.

Ser. No. 429,775. MAGAZINE REPEATING RAZOR COMPANY, New York, N. Y. Filed Mar. 20, 1940.

SCHIC-KROME

The word "Krome" is disclaimed except as shown.
For Razor Blades.
Claims use since Mar. 18, 1940.

Ser. No. 430,051. WARSHAWSKY & CO., Chicago, Ill. Filed Mar. 27, 1940.

GOLD BAND

For Rebuilt Internal Combustion Motors.
Claims use since March, 1938.

Ser. No. 430,775. INTERNATIONAL SALT COMPANY, INC., Scranton, Pa. Filed Apr. 15, 1940.

Saltomat

For Salt Tablet Dispensing Machine.
Claims use since Oct. 31, 1939.

CLASS 24

Laundry Appliances and Machines

Ser. No. 429,037. EASY WASHING MACHINE CORPORATION, Syracuse, N. Y. Filed Mar. 25, 1940.

porta-matic

For Ironing Machines.
Claims use since Jan. 31, 1940.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 426,960. TIME, INCORPORATED, New York, N. Y. Filed Dec. 28, 1939.



The words "The Editors of", "Join with the Editors of", and "In Presenting a New Kind of Pictorial Journalism" are disclaimed apart from the mark.

For Motion Picture Films, Sound Films, Combined Sound and Motion Picture Films, Film Magazines, and Motion Picture Films for Use in Connection with Synchronizing Apparatus for Simultaneously Reproducing Co-Ordinated Light and Sound Effect.
Claims use since Jan. 22, 1937.

Ser. No. 427,180. TIME, INCORPORATED, New York, N. Y. Filed Jan. 5, 1940.

LIFE presents

The word "Presents" is disclaimed apart from the mark.

For Motion Picture Films, Sound Films, Combined Sound and Motion Picture Films, Film Magazines, and Motion Picture Films for Use in Connection with Synchronizing Apparatus for Simultaneously Reproducing Co-Ordinated Light and Sound Effect.
Claims use since Nov. 29, 1939.

Ser. No. 427,344. THE KALART COMPANY INC., New York, N. Y. Filed Jan. 11, 1940.

KALART

SISTOGUN

For Attachment to a Photographic Camera for Controlling the Flashing of a Flashlight that is Connected to the Camera Aforesaid.
Claims use since Jan. 2, 1939.

CLASS 27

Horological Instruments

Ser. No. 430,648. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Apr. 11, 1940.

SEA KING

For Watches—Namely, Wrist or Strap Watches.
Claims use since Feb. 7, 1939.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 430,506. L. C. GRIFFIN INC., Reno, Nev. Filed Apr. 8, 1940.

LOVEBLEST

For Finger Rings.
Claims use since Mar. 2, 1940.

Ser. No. 430,654. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Apr. 11, 1940.

YOUTH

For Silver-Plated Flat-Ware for Table Use and the Like.
Claims use since Apr. 5, 1940.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 430,811. UNITED BUYERS CORPORATION, Chicago, Ill. Filed Apr. 15, 1940.

Ladyette

For Brooms, Mops, Scrubbing Brushes, and Dusters.
Claims use since Jan. 15, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 429,688. DOUGLAS FURNITURE NOVELTY CO., Cicero, Ill. Filed Mar. 18, 1940.

Kitchen Master

For Tables and Chairs Used in the Household.
Claims use since Feb. 22, 1940.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 429,765. CROWN PRODUCTS COMPANY, Ralston, Nebr. Filed Mar. 20, 1940.

CROWN

For Rubber and Fabric Tubing of All Kinds; Rubber and Fabric Belting of All Kinds; Rubber Inserts Between the Rim and Tire of a Vehicle Wheel for Protecting Said Tire; Vehicle Tires Constructed Partly or Wholly of Rubber and Inner Tubes Therefor.
Claims use since Aug. 1, 1929.

CLASS 36

Musical Instruments and Supplies

Ser. No. 430,817. THE WATERBURY BUTTON COMPANY, Waterbury, Conn. Filed Apr. 15, 1940.

Symphony

For Harmonicas.
Claims use since Mar. 15, 1940.

CLASS 37

Paper and Stationery

Ser. No. 430,611. THE MARVELLUM COMPANY, Holyoke, Mass. Filed Apr. 10, 1940.

MURAL

For Cover Papers.
Claims use since 1929.

Ser. No. 430,612. THE MARVELLUM COMPANY, Holyoke, Mass. Filed Apr. 10, 1940.

Silkay

For Cover Papers.
Claims use since 1937.

Ser. No. 430,613. THE MARVELLUM COMPANY, Holyoke, Mass. Filed Apr. 10, 1940.

Woodcraft

For Cover Papers, Box Papers, and Specialties.
Claims use since 1928.

Ser. No. 430,885. UNITED PAPER COMPANY, Tampa, Fla. Filed Apr. 17, 1940.

PERT

For Toilet Paper, Paper Towels, Paper Facial Tissue, and Paper Napkins.
Claims use since Mar. 20, 1940.

CLASS 38

Prints and Publications

Ser. No. 430,358. NOVELTY PRESS INC., New York, N. Y. Filed Apr. 4, 1940.

BLUE BOLT

BLUE BOLT

For Periodical Publication.
Claims use since Mar. 19, 1940.

Ser. No. 430,472. COMIC MAGAZINES, INC., Stamford, Conn. Filed Apr. 3, 1940.

JOE HERCULES

The name Joe Hercules is the name of a fictitious character appearing from time to time in the comic strip.
For Comic Strip.
Claims use since Jan. 26, 1940.

Ser. No. 430,528. TRUTH DIGEST, INCORPORATED, New York, N. Y. Filed Apr. 8, 1940.

THINK
WHAT
YOU
WANT

For Publication Issued Periodically.
Claims use since June, 1936.

Ser. No. 430,958. HARVEY & HOWE, INC., Chicago, Ill. Filed Apr. 19, 1940.

MIRACLE WOMEN

For News Column Appearing in a Monthly Publication.
Claims use since Nov. 1, 1939.

CLASS 39

Clothing

Ser. No. 378,488. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo. Filed May 15, 1936.



No claim is made to the numerals 1, or 2, or 3, or to the three dots upon which these numerals appear or to the representation of an arrow except as shown in the drawing.

For Shoes of Leather, or a Combination of Leather, Rubber, or Fabric.

Claims use since Mar. 20, 1936.

Ser. No. 417,215. GARFINKEL & RITTER, New York, N. Y., assignor to The Barbizon Corporation, New York, N. Y. Filed Mar. 18, 1939.

FLIRT

For Women's Lingerie—Namely, Chemises, Panties, Night-Gowns, Pajamas, Slips, Brassières, Negligees, and Corsets.

Claims use since Feb. 14, 1939.

Ser. No. 422,700. BEN GORELICK, New York, N. Y. Filed Aug. 17, 1939.

Bengor

For Men's Hose and Socks.

Claims use since June, 1938.

Ser. No. 424,775. KABO CORSET COMPANY, Chicago, Ill. Filed Oct. 21, 1939.

"KABO-ETTE"

For Corsets, Girdles, Foundation Garments, Brassières, and Combinations.

Claims use since October, 1932.

Ser. No. 426,226. REXLEY FROCKS INC., New York, N. Y. Filed Dec. 4, 1939.



For Children's, Misses', Juniors' and Women's Dresses, Suits, Skirts, Jackets, Blouses.

Claims use since Nov. 25, 1938.

Ser. No. 426,591. ADAM HAT STORES, INC., New York, N. Y. Filed Dec. 15, 1939.

A H

For Men's Hats, Outer and Undershirts, Underwear, Men's and Boys' Suits, Coats, Trousers, Neckties, Bowties, Cravats, and Shoes Made of Leather, Fabric, Rubber, and Combinations Thereof.

Claims use since January, 1929.

Ser. No. 426,592. ADAM HAT STORES, INC., New York, N. Y. Filed Dec. 15, 1939.

ADAM

For Men's Hats, Outer and Undershirts, Underwear, Men's and Boys' Suits, Coats, Trousers, Neckties, Bowties, Cravats, and Shoes Made of Leather, Fabric, Rubber, and Combinations Thereof.

Claims use since June 13, 1924.

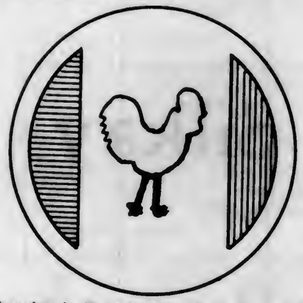
Ser. No. 426,593. ADAM HAT STORES, INC., New York, N. Y. Filed Dec. 15, 1939.

Adamized

For Men's Hats.

Claims use since Oct. 20, 1939.

Ser. No. 426,600. BLOCH FRERES, INC., New York, N. Y Filed Dec. 15, 1939.



The drawing is lined for blue and red.

For Handkerchiefs.

Claims use since April, 1938.

Ser. No. 426,794. ADAM HAT STORES, INC., New York, N. Y. Filed Dec. 21, 1939.

"DOODLE"

For Men's Hats.

Claims use since Aug. 1, 1939.

Ser. No. 427,334. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Jan. 11, 1940.

DOWNS

For Collars and Negligee and Dress Shirts.

Claims use since June 26, 1925.

Ser. No. 428,579. JULIUS KAYSER & CO., New York, N. Y. Filed Feb. 15, 1940.

FILACREPE

For Ladies' Underwear, Nightgowns, Pajamas, Bed Jackets, and Slips, All Made of Crepe Material.

Claims use since Jan. 31, 1940.

Ser. No. 429,108. TIMELY CLOTHES, INCORPORATED, Rochester, N. Y. Filed Mar. 1, 1940.



For Men's Clothing—Namely, Suits, Topcoats, Overcoats, and Trousers.

Claims use since May 14, 1929.

Ser. No. 429,266. JULIUS KAYSER & CO., New York, N. Y. Filed Mar. 6, 1940.

SISSY BRITCHES

No claim is made to the word "Britches" apart from the mark.

For Ladies' Underwear.

Claims use since Feb. 26, 1940.

Ser. No. 429,540. SCHOBLE HATS, INC., Philadelphia, Pa. Filed Mar. 13, 1940.



The word "Hats" is disclaimed.

For Men's Hats.

Claims use since March, 1936.

Ser. No. 429,878. TRANSPARENT COVER CO., Chicago, Ill. Filed Mar. 22, 1940.

"Kaytone"

For Shampoo Capes, Household Aprons, Shower Caps, Rain Capes, and Rain Coats.

Claims use since Mar. 1, 1940.

Ser. No. 429,919. STROM, COLLUM & HOPPE, San Francisco, Calif. Filed Mar. 23, 1940.

Scotsman

For Men's and Boys' Knitted and Textile Products—Namely, Hosiery, Sport and Conventional Sweaters, Jackets, and Outer Shirts, and Underwear.

Claims use since Feb. 2, 1940.

Ser. No. 430,003. WALDMAN AND COMPANY, New York, N. Y. Filed Mar. 26, 1940.



Applicant disclaims the word "Fleece" apart from the mark.

For Misses', Juniors', and Children's Coats and Suits.

Claims use since April, 1938.

Ser. No. 430,169. ADELAAR BROS., INC., New York, N. Y. Filed Mar. 30, 1940.

"Bond Streeter's"

For Women's, Misses', and Juniors' Blouses, Shirts, Skirts, Dresses, and Combinations of a Skirt and a Blouse or Shirt.

Claims use since Mar. 22, 1940.

Ser. No. 430,451. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Apr. 6, 1940.

ALLO-ETTE

For Brassières, Bandeaux, Corsets, Corselets, Panties, Pantie-Girdles, Girdles, and Garter-Belts.

Claims use since Apr. 1, 1940.

Ser. No. 430,543. THE COPELAND & RYDER CO., Jefferson, Wis. Filed Apr. 9, 1940.

COPEG

For Men's and Women's Shoes of Leather, Rubber, Fabric, or Combination Thereof.

Claims use since March, 1934.

Ser. No. 430,623. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Filed Apr. 10, 1940.

ELASTILITE

For Trouser-Supporting Belts, Garters, and Suspenders.

Claims use since Mar. 28, 1940.

Ser. No. 430,859. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Apr. 17, 1940.

THE SLOPE

For Collars.
Claims use since 1932.

Ser. No. 430,860. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Apr. 17, 1940.

TIMES

For Collars and Outer Shirts.
Claims use since 1928.

Ser. No. 430,923. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 18, 1940.

Minuet

THE STYLE NOTE FOR JUNIORS

The phrase "The Style Note for Juniors" is disclaimed apart from the mark.
For Men's, Women's, and Children's Slippers and Shoes Made of Rubber, Leather, and Fabric, or Combinations Thereof.
Claims use since Apr. 3, 1940.

Ser. No. 430,949. COUNTESS MARA, INC., New York, N. Y. Filed Apr. 19, 1940.



For Neckties.
Claims use since Mar. 28, 1940.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 429,009. WILLIAM STEINEN MFG. CO., Newark, N. J. Filed Feb. 28, 1940.

NIOBE

For Toilet Sets and Dresser Sets, Backed or Trimmed with Base Metal, Composition Material, Either or Both, and Consisting of Hand Mirrors, Nail Buffers, Cuticle Pushers, Cuticle Scissors, Nail Clippers, Nail Files, Powder Jars, Cream Jars, Perfume Jars, Vanity Trays, Plateaus, Mirror Trays, Pin Trays, Tooth Jars, Letter Openers, Hair Brushes, Military Brushes, Clothes Brushes, and Hat Brushes.
Claims use since Feb. 12, 1940.

Ser. No. 430,989. TARGET CURLER CORPORATION, Detroit, Mich. Filed Apr. 22, 1940.

TARGET

For Non-Electrical Hair Curlers and Bob Pins.
Claims use since Mar. 26, 1940.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 429,736. THE KELLER-KOHN CO., Cleveland, Ohio. Filed Mar. 19, 1940.

Kelmoor

For Cotton, Rayon, Wool, and Silk Goods and Combinations Thereof in the Piece.
Claims use since Feb. 15, 1940.

Ser. No. 430,902. THE ESMOND MILLS, Esmond, Smithfield, R. I. Filed Apr. 18, 1940.

BUNNYLAND

For Baby Blankets.
Claims use since Oct. 1, 1934.

Ser. No. 431,044. MANUEL FELDMAN, New York, N. Y. Filed Apr. 22, 1940.

ACADIA

For Rugs.
Claims use since January, 1937.

Ser. No. 431,055. H. H. ISSACOULIAN, INC., New York, N. Y. Filed Apr. 22, 1940.

Mission

For Rugs.
Claims use since December, 1939.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 418,915. BREWER & COMPANY INC., Worcester, Mass. Filed May 1, 1939.

AIRTEX

For Surgical Bandages Made of Elastic Yarn, and Resiliently Stretchable in at Least Two Directions, for the Relief and Alleviation of Varicose Veins, Said Bandages Taking the Form of Bands, Footless Stockings, Leggings, and Other Shapes to Fit the Parts Affected with Varicose Veins.
Claims use since Aug. 16, 1938.

Ser. No. 419,724. ESTHER H. LATHROP, Doylestown, Pa. Filed May 23, 1939.

Liplite

For Stencil Used When Applying Lip Rouge.
Claims use since Mar. 9, 1939.

Ser. No. 425,553. ARROW RUBBER CORPORATION, New York, N. Y. Filed Nov. 13, 1939.

TRIUMPH

For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since Feb. 5, 1936.

Ser. No. 431,099. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Apr. 22, 1940.

ZENITH

For Hearing Aids and Parts Thereof.
Claims use since May 6, 1938.

Ser. No. 431,258. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Apr. 26, 1940.

STRAPTIC

For Adhesive Plaster.
Claims use since Sept. 4, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 428,761. JOHN MORGAN (a corporation), Brooklyn, N. Y. Filed Feb. 21, 1940.

VI-KO-LA



The word "Ko-La" is disclaimed apart from the mark.
For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Oct. 17, 1939.

Ser. No. 429,486. ABRAHAM MILLEN, Dorchester, Mass. Filed Mar. 12, 1940.



The words "Quenches Thirst," "Relieves Fatigue" are disclaimed apart from the mark.
For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks.
Claims use since May 16, 1939.

Ser. No. 429,979. RICHARD L. GREENE, Minneapolis, Minn. Filed Mar. 26, 1940.

Sunny Sky

For Nonalcoholic Maltless Beverages Sold as Soft Drinks.
Claims use since Nov. 14, 1939.

Ser. No. 430,330. MR. NEWPORT, INC., Chicago, Ill. Filed Apr. 3, 1940.



Applicant disclaims the word "Newport" apart from the mark.

For Non-Alcoholic Maltless Beverages.

Claims use since Sept. 8, 1938.

Ser. No. 430,977. HARRY SQUIRES, doing business as Newgate Ginger Ale Company, Thompsonville, Conn. Filed Apr. 19, 1940.

Florade

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making Same.

Claims use since Mar. 5, 1940.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 414,422. VITO MORRIONE, doing business as L'Allegria Packing Company, Brooklyn, N. Y. Filed Dec. 30, 1938.



Claimant disclaims all wording except "L'Allegria" and "L'Allegria Packing Co." apart from the mark. The figure is not a portrait of a living or deceased individual.

For Olive Oil.

Claims use since Sept. 2, 1938.

Ser. No. 415,182. MISSION GARDEN COMPANY, INC., New York, N. Y. Filed Jan. 24, 1939.

ABBEY GARDEN



For Coffee.

Claims use since Jan. 1, 1931.

Ser. No. 423,110. MORE-MERIT FOOD COMPANY, Fort Worth, Tex. Filed Aug. 29, 1939.

YEAST-CARROT-BRAN
YCB
MORE-MERIT

The words "Yeast-Carrot-Bran" and "More-Merit" are disclaimed apart from the mark.

For Coated Candy Bar, and Coated Bar of Ice Cream.

Claims use since Feb. 15, 1932.

Ser. No. 423,508. SAFEWAY STORES, INC., doing business as General Food Products Co., Oakland, Calif. Filed Sept. 11, 1939.

EMERALD BAY

For Canned Vegetables.

Claims use since Oct. 6, 1938.

Ser. No. 423,694. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Filed Sept. 18, 1939.

CREAM OF WHEAT

Applicant is the owner of the trade-mark registrations Nos. 63,805 and 63,807, registered July 9, 1907, renewed Apr. 5, 1927, and Nos. 30,943, registered Dec. 7, 1897, and 34,067, registered Jan. 23, 1900, and of Nos. 211,290, registered Apr. 6, 1926, and 226,621, registered Apr. 12, 1927.

For Wheat Breakfast Food.

Claims use since Oct. 1, 1938.

Ser. No. 427,166. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Filed Jan. 5, 1940.



Applicant is the owner of United States Trade-mark Registrations No. 43,969, dated Jan. 3, 1905, and No. 69,321, dated June 2, 1908, both of which have been duly renewed.

For Specially Prepared Milk Food Product with the Admixture of Other Food Ingredients and Added Vitamins.

Claims use since Oct. 2, 1939.

Ser. No. 427,674. CHARLES H. KRETSCHMER GROCERY COMPANY, Saginaw, Mich. Filed Jan. 20, 1940.

VIGOR-TEX*

For Wheat Germ.

Claims use since Oct. 1, 1939.

Ser. No. 428,432. J. D. DRUSHELL, doing business as Ditex Food Company, Chicago, Ill. Filed Feb. 10, 1940.

DITEX

For Dietetic Food Products Put Up in Cans—Namely, Hawaiian Pineapple Tidbits, Prune Plums, Sliced Freestone Elberta Peaches, Strawberries, Bartlett Pears, Blackberries, Unpitted Royal Anne Cherries, Unpeeled Halves Apricots, Red Raspberries, Sliced Yellow Cling Peaches, Fruits for Salad, Fruit Cocktails, Diced Beets, Spinach, All Green Asparagus Cuts and Tips, Cut Green Stringless Beans, Noodles, Spaghetti, Soy Pancake Flour, Soy Bean Flour, Breakfast Cereal, Bran Breakfast Food, Oatmeal Cookies, Cocoanut Cookies, Pecan Cakes, Gluten Toast, Saccharine in Bottles, Maple Syrup in Bottles, Grape Jelly in Glass, and Pineapple Jelly.

Claims use since Sept. 29, 1939.

Ser. No. 428,671. MAX AMS, INC., New York, N. Y. Filed Feb. 19, 1940.

GOLDEN Lacqua

For Jam.

Claims use since May 2, 1939.

Ser. No. 428,895. UNITED STATES PRODUCTS CORPORATION, LTD., San Jose, Calif. Filed Feb. 24, 1940.

"SIGNET PAKIT"

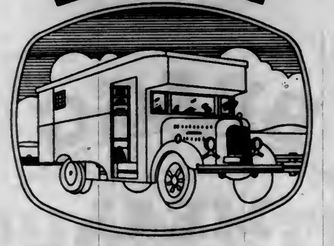
The word "Pakit" is disclaimed apart from the mark.

For Canned Fruits.

Claims use since Jan. 31, 1940.

Ser. No. 428,907. COSBY-HODGES MILLING COMPANY, INC., Birmingham, Ala. Filed Feb. 26, 1940.

ROLLING STORE



The word "Flour" is disclaimed as a part of the mark.

For Plain and Self-Rising Wheat Flour.

Claims use since Feb. 15, 1940.

Ser. No. 429,350. GENERAL MILLS, INC., Minneapolis, Minn. Filed Mar. 8, 1940.

FLAV-A-SURED

Applicant is the owner of United States Trade-mark Registrations Nos. 373,505 and 309,413.

For Food Products, Particularly Breakfast Cereals, Flour—Viz., Wheat Flour.

Claims use since Feb. 26, 1940.

Ser. No. 429,354. GENERAL MILLS, INC., Minneapolis, Minn. Filed Mar. 8, 1940.

TEXT-A-SURED

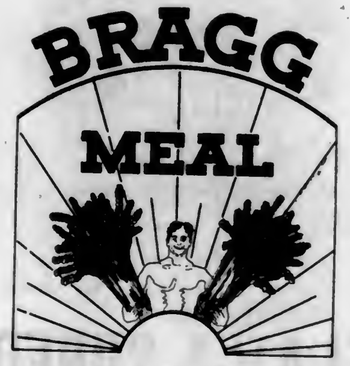
Applicant is the owner of United States trade-mark registration Nos. 373,507 and 309,413.
For Food Products, Particularly Breakfast Cereals, Flour—Viz., Wheat Flour.
Claims use since Feb. 26, 1940.

Ser. No. 429,419. SEA BOARD SUPPLY COMPANY, INC., Philadelphia, Pa. Filed Mar. 9, 1940.

SEA-CLO-400-D

No claim is made to the term "400–D" apart from the mark.
For Feed for Poultry, Dogs, and Cattle Wherein the Feed Contains a Vitamin D Carrier in a Dry Base Having the Following Ingredients: Fortified Cod Liver Oil, Tomato Pulp, and Dried Molasses.
Claims use since August, 1939.

Ser. No. 430,017. PAUL C. BRAGG, doing business as Bragg Meal Company, Burbank, Calif. Filed Mar. 27, 1940.



The word "Meal" is disclaimed. The portrait is that of the applicant.
For Mixed Cereal Meal.
Claims use since July 1, 1935.

Ser. No. 430,090. MOSCAHLADES BROS., INC., New York, N. Y. Filed Mar. 28, 1940.



The portrait is fanciful.
For Olive Oil.
Claims use since March, 1917.

Ser. No. 430,174. CALIFORNIA PACKING CORPORATION, San Francisco, Calif. Filed Mar. 30, 1940.

Lady Elberta

No claim is made to the word "Elberta" apart from the mark.
For Canned Fruits.
Claims use since Oct. 10, 1939.

Ser. No. 430,370. POLK COUNTY CITRUS SUB-EXCHANGE, Bartow, Fla. Filed Apr. 3, 1940.

DUKE

For Fresh Citrus Fruits—Namely, Oranges, Grapefruit, and Tangerines.
Claims use since December, 1915.

Ser. No. 430,402. THE KANSAS MILLING COMPANY, Wichita, Kans. Filed Apr. 5, 1940.

VITAGERM

For Wheat Flour.
Claims use since Nov. 23, 1939.

Ser. No. 430,485. CHASE & COMPANY, Sanford, Fla. Filed Apr. 8, 1940.



For Celery.
Claims use since Mar. 15, 1940.

Ser. No. 430,499. FAIRMONT CANNING COMPANY, Fairmont, Minn. Filed Apr. 8, 1940.

QUALITY HALL

For Canned Vegetables, Particularly Peas, Vegetables for Salad, Succotash, Lima Beans, Kidney Beans, Cream Style Golden Bantam Corn, and Whole Kernel Golden Bantam Corn.
Claims use since Sept. 8, 1939.

Ser. No. 430,500. FREEDMAN FRUIT CO., INC., Fresno, Calif. Filed Apr. 8, 1940.

FRANK'S BEST

No claim is made to the word "Best" apart from the mark.
For Fresh Grapes.
Claims use since Aug. 31, 1936.

Ser. No. 430,509. JUSTMAN & CO., INC., El Centro, Calif., and New York, N. Y. Filed Apr. 8, 1940.



For Fresh Vegetables and Melons.
Claims use since July, 1937.

Ser. No. 430,516. THE PALMER CORPORATION, Sarasota, Fla. Filed Apr. 8, 1940.

TEEPEECEE

For Fresh Citrus Fruits.
Claims use since Mar. 5, 1940.

Ser. No. 430,519. PEASE, MCCORMICK & DANCE, INC., doing business as West Coast Trading Co., San Francisco, Calif. Filed Apr. 8, 1940.



No claim is made to the word "Brand" or to the outline of a label apart from the mark.
For Canned Fruits, Canned Vegetables.
Claims use since Oct. 30, 1939.

Ser. No. 430,524. K. K. SHARP, doing business as K. K. Sharp Company, Holtville, Calif. Filed Apr. 8, 1940.



The drawing is lined for red, yellow, blue, black, and purple. No claim is made to the representations of the carrot and label apart from the mark.
For Fresh Vegetables—Namely, Carrots.
Claims use since Aug. 9, 1939.

Ser. No. 430,525. SPECIAL FOODS, INC., Worthington, Ohio. Filed Apr. 8, 1940.

CHOPLETS

For Vegetable Substitute for Meat.
Claims use since Mar. 1, 1940.

Ser. No. 430,815. F. G. VOGT & SONS, INCORPORATED, Philadelphia, Pa. Filed Apr. 15, 1940.

Qual

For Canned Sausage.
Claims use since Mar. 29, 1940.

Ser. No. 430,842. RECKER BROS. Co., Phoenix, Ariz. Filed Apr. 16, 1940.

WESTIE

For Fresh Vegetables and Melons.
Claims use since Mar. 30, 1940.

Ser. No. 430,928. THE H. ROUW COMPANY, Edinburg, Tex. Filed Apr. 18, 1940.

RIO MOON

For Fresh Citrus Fruits.
Claims use since Oct. 1, 1934.

Ser. No. 430,929. THE H. ROUW COMPANY, Edinburg, Tex. Filed Apr. 18, 1940.

RIO SUN

For Fresh Citrus Fruits.
Claims used since Oct. 1, 1934.

CLASS 47

Wines

Ser. No. 402,526. HYGRADE LIQUOR COMPANY, Chicago, Ill. Filed Jan. 31, 1938.

Primrose

For Wine.
Claims use since Dec. 7, 1933.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 430,763. CONSOLIDATED ASSOCIATES, INC., Chicago, Ill. Filed Apr. 15, 1940.

OLD SWITCH

For Whiskey.
Claims use since Mar. 22, 1940.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 426,897. REINHOLD COMPANY, Cleveland, Ohio. Filed Dec. 26, 1939.



The picture is fanciful.
The Following Articles Made of Oiled Silk or Transparent and Semi-Transparent Synthetic Film, or Other Similar Material; Covers for Food Containers and Utensils, Covers for Toilet Articles, Covers for Cosmetics and Cosmetic Appliances, and Shoulder Covers for Clothes Hangers.
Claims use since September, 1938.

Ser. No. 429,197. A. STEIN & COMPANY, Chicago, Ill. Filed Mar. 4, 1940.

GLAS-TEX

Applicant disclaims the notation "Glas" apart from the mark.
Food Guards, Crib Sheets, Bridge Table Covers, and Window Curtains All Made of Composition Sheeting, for Example, a Resin Product, and Rubber Sheeting.
Claims use since Feb. 28, 1940.

Ser. No. 430,719. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y. Filed Apr. 13, 1940.



For Floral Sticks.
Claims use since Dec. 20, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 11, 1940

378,387. ROLLER PROCESS DRY SKIMMED MILK SOLD IN BULK TO THE BAKING AND CHOCOLATE MAKING INDUSTRIES. CASEIN COMPANY OF AMERICA, INC., New York, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey.
Filed September 15, 1936, Serial No. 383,257. PUBLISHED APRIL 2, 1940. Class 46.

378,388. BIOLOGICALLY ACTIVE SUBSTANCES OF ANIMAL AND VEGETABLE ORIGIN FOR HUMAN AND VETERINARY USE TYPIFIED BY BACTERIAL CULTURES, VACCINES, SERA, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed December 31, 1936. Serial No. 387,352. PUBLISHED APRIL 2, 1940. Class 6.

378,389. PUBLICATIONS IN THE NATURE OF A DIRECTORY PUBLISHED APPROXIMATELY ONCE EVERY TWO YEARS. THE A. N. MARQUIS COMPANY, Chicago, Ill.
Filed February 10, 1938. Serial No. 402,838. PUBLISHED DECEMBER 27, 1938. Class 38.

378,390. WEAPON OIL FOR CLEANING AND PRESERVATION OF WEAPONS. KARL MATEJKA, Brunn, Czechoslovakia.
Filed February 25, 1938. Serial No. 403,437. PUBLISHED APRIL 2, 1940. Class 15.

378,391. PUBLICATIONS IN THE NATURE OF A DIRECTORY PUBLISHED APPROXIMATELY ONCE EVERY FIVE YEARS. THE A. N. MARQUIS COMPANY, Chicago, Ill.
Filed February 28, 1938. Serial No. 403,513. PUBLISHED DECEMBER 27, 1938. Class 38.

378,392. PUBLICATIONS IN THE NATURE OF A DIRECTORY PUBLISHED APPROXIMATELY ONCE EVERY FIVE YEARS. THE A. N. MARQUIS COMPANY, Chicago, Ill.
Filed February 28, 1938. Serial No. 403,514. PUBLISHED DECEMBER 27, 1938. Class 38.

378,393. FILLING-LIQUIDS FOR LIQUID LEVEL GAUGE INSTRUMENTS. THE RELIANCE GAUGE COLUMN COMPANY, Cleveland, Ohio.
Filed May 25, 1938. Serial No. 406,731. PUBLISHED MARCH 26, 1940. Class 6.

378,394. OIL TANK AND PUMP ASSEMBLIES FOR STORING LUBRICATING OIL, ALCOHOL, KEROSENE, AND OTHER PETROLEUM PRODUCTS, AND GREASE BUCKET AND PUMP ASSEMBLIES, THE LATTER BEING MADE OF STEEL AND SOLD BY PROPRIETOR EMPTY. THE WAYNE PUMP COMPANY, Fort Wayne, Ind.
Filed September 19, 1938. Serial No. 410,760. PUBLISHED APRIL 2, 1940. Class 23.

378,395. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. SHULTON, INC., New York, N. Y.
Filed September 20, 1938. Serial No. 410,804. PUBLISHED MARCH 19, 1940. Class 6.

378,396. OSMOTHERAPEUTIC TREATMENT OF EAR DISEASES, EAR DROPS. THE DOHO CHEMICAL CORPORATION, New York, N. Y.
Filed November 5, 1938. Serial No. 412,409. PUBLISHED JANUARY 3, 1939. Class 6.

378,397. MACHINERY AND PARTS THEREOF FOR APPLYING FINS TO TUBES, FORMING DIES AND PARTS THEREOF, ETC. LUL PRODUCTS, INC., Baltimore, Md.
Filed December 13, 1938. Serial No. 413,792. PUBLISHED APRIL 2, 1940. Class 23.

378,398. ADHESIVE AGENT AND EMULSIFICATION AGENT FOR PARASITICIDES SUCH AS INSECTICIDES, FUNGICIDES, AND PLANT BACTERICIDES. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed December 22, 1938. Serial No. 414,107. PUBLISHED APRIL 2, 1940. Class 6.

378,399. CURRENT, VOLTAGE, PRESSURE PHASE MEASURING AND GENERATING DEVICES AND APPURTENANCES THERETO AND PARTS THEREOF, ETC. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed December 30, 1938. Serial No. 414,367. PUBLISHED APRIL 2, 1940. Class 26.

378,400. CALENDARS. SHEDD-BROWN MFG. CO., Minneapolis, Minn.
Filed January 9, 1939. Serial No. 414,646. PUBLISHED MARCH 19, 1940. Class 38.

378,401. CHLORINE. MICHIGAN ALKALI COMPANY, Wyandotte, Mich.
Filed January 13, 1939. Serial No. 414,795. PUBLISHED MARCH 5, 1940. Class 6.

378,402. PADDING. SOUTHERN MILLS, INCORPORATED, Atlanta, Ga.
Filed January 31, 1939. Serial No. 415,462. PUBLISHED APRIL 2, 1940. Class 42.

378,403. PERFUME. DOROTHY GRAY SALONS, Bloomfield, N. J.
Filed February 4, 1939. Serial No. 415,586. PUBLISHED APRIL 2, 1940. Class 6.

378,404. HAND CREAM. COMFORT MANUFACTURING COMPANY, Chicago, Ill.
Filed February 25, 1939. Serial No. 416,402. PUBLISHED APRIL 4, 1939. Class 6.

378,405. RAW OR CALCINED MAGNESIA COMPOUNDS—NAMELY, THE OXIDE, HYDRATE, AND CARBONATE. WESTVACO CHLORINE PRODUCTS CORPORATION, New York, N. Y.
Filed March 9, 1939. Serial No. 416,883. PUBLISHED APRIL 2, 1940. Class 1.

378,406. TRANSPARENTIZED SHEETS AS OF CLOTH BASE FOR THE RECEIPT OF IMPRESSIONS AND DRAWN LINES OF INK AND ESPECIALLY OF PENCIL, TO PRODUCE "TRACINGS" FOR REPRODUCING MULTIPLE COPIES SUCH AS BLUEPRINTS AND DIAZOTYPES. THE FREDERICK POST COMPANY, Chicago, Ill.
Filed March 15, 1939, Serial No. 417,086. PUBLISHED APRIL 2, 1940. Class 37.

378,407. PERIODICAL PUBLICATION. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill.
Filed March 22, 1939. Serial No. 417,393. PUBLISHED MARCH 26, 1940. Class 38.

378,408. KNIVES, FORKS, SPOONS, AND OTHER TABLEWARE MADE FROM A BASE METAL OR ALLOY WITH A SILVERPLATE THEREON. NATIONAL SILVER COMPANY, New York, N. Y.
Filed March 25, 1939, Serial No. 417,502. PUBLISHED JULY 11, 1939. Class 28.

378,409. ACETONE, ACID ACETIC, ACID BORIC, ACID CARBOLIC, ACID CHROMIC, ACID CITRIC, ACID CRESYLIC, ACID FORMIC, ETC. THE GLOBE CHEMICAL COMPANY, INC., Cincinnati, Ohio.
Filed March 27, 1939. Serial No. 417,534. PUBLISHED MARCH 5, 1940. Class 6.

378,410. ACETONE, ACID ACETIC, ACID BORIC, ACID CARBOLIC, ACID CHROMIC, ACID CITRIC, ACID CRESYLIC, ACID FORMIC, ETC. THE GLOBE CHEMICAL COMPANY, INC., Cincinnati, Ohio.
Filed March 27, 1939. Serial No. 417,535. PUBLISHED MARCH 5, 1940. Class 6.

378,411. PUBLICATION ISSUED PERIODICALLY. UNITED BUYERS CORPORATION, Chicago, Ill.
Filed March 29, 1939. Serial No. 417,630. PUBLISHED MARCH 26, 1940. Class 38.

378,412. SILVER AND METAL TARNISH PREVENTING FLUID. FRANK J. SOWA, doing business as Silbrite Chemical Co., New York, N. Y.
Filed April 15, 1939. Serial No. 418,316. PUBLISHED AUGUST 22, 1939. Class 6.

378,413. MATERIAL FOR PROTECTING HUMAN SKIN FROM INJURY FROM IRRITANTS. WESTERN ADHESIVES COMPANY, Chicago, Ill.
Filed April 15, 1939. Serial No. 418,320. PUBLISHED AUGUST 1, 1939. Class 6.

378,414. PREPARATIONS WHICH REPEL MOTHS AND OTHER INSECTS THAT DESTROY CLOTHING, FURS, AND THE LIKE; ETC. CEDACOTE PRODUCTS INC., New York, N. Y., assignor to Fletcher Hall, Woodside, N. Y.
Filed April 25, 1939. Serial No. 418,674. PUBLISHED JUNE 13, 1939. Class 6.

378,415. HOME USE AMMONIA, BLUING, CASTOR OIL, SPIRITS OF TURPENTINE FOR MEDICINAL PURPOSES, CAMPHORATED OIL, TINCTURE OF IODINE, QUININE SULPHATE, EPSOM SALTS, AND INSECTICIDES. FRIEDEN BROS. & CO., INC., doing business as Cavalier Laboratories, Norfolk, Va.
Filed April 27, 1939. Serial No. 418,774. PUBLISHED JUNE 13, 1939. Class 6.

378,416. STEEL PARTS—NAMELY, FORGINGS, AND CASTINGS EITHER ROUGH OR SEMI-FINISHED. FOOTE BROS. GEAR AND MACHINE CORPORATION, Chicago, Ill.
Filed May 17, 1939. Serial No. 419,507. PUBLISHED APRIL 2, 1940. Class 14.

378,417. STEEL PARTS—NAMELY, FORGINGS, AND CASTINGS EITHER ROUGH OR SEMI-FINISHED. FOOTE BROS. GEAR AND MACHINE CORPORATION, Chicago, Ill.
Filed May 17, 1939. Serial No. 419,509. PUBLISHED APRIL 2, 1940. Class 14.

378,418. EMBALMING SUPPLIES—NAMELY, PRE-INJECTION, MAIN ARTERIAL, AND CAVITY FLUIDS, ETC. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed May 24, 1939. Serial No. 419,747. PUBLISHED MARCH 5, 1940. Class 6.

378,419. PREPARATION FOR TREATING ARTHRITIS, RHEUMATISM, MUSCULAR PAINS AND ACHES. MAGAY CORPORATION, New York, N. Y.
Filed May 26, 1939. Serial No. 419,869. PUBLISHED AUGUST 1, 1939. Class 6.

378,420. MEDICINAL WINE TONIC. SANTIAGO PANIELLO, doing business as Dubert Laboratories, Tampa, Fla.
Filed May 31, 1939. Serial No. 420,019. PUBLISHED APRIL 2, 1940. Class 6.

378,421. LAXATIVE PREPARATION. GEORGE BELLINGER, Atlanta, Ga.
Filed June 9, 1939. Serial No. 420,442. PUBLISHED MARCH 5, 1940. Class 6.

378,422. SUPPLIES AND ACCESSORIES FOR DRY CLEANING—NAMELY, CRYSTALS FOR RECOVERING SOLVENT. THE BAND BOX CORPORATION, St. Louis, Mo.
Filed June 17, 1939. Serial No. 420,618. PUBLISHED MARCH 5, 1940. Class 6.

378,423. SUPPLIES AND ACCESSORIES FOR DRY CLEANING—NAMELY, CRYSTALS FOR RECOVERING SOLVENT. THE BAND BOX CORPORATION, St. Louis, Mo.
Filed June 17, 1939. Serial No. 420,620. PUBLISHED MARCH 26, 1940. Class 6.

378,424. HOMEMADE FRUIT AND VEGETABLE PRESERVES, SUCH AS SWEET PICKLES, SWEET ONIONS, DILL PICKLES, SPICED RED BEETS, SLICED SPICED PICKLES, SWEET MIXED, SWEET RELISH, PICKLED APPLES, PICKLED PINEAPPLE, OLD FASHIONED PICKLES, PEPPER RELISH, SPICED CRAB APPLES, AND OLD FASHIONED CRANBERRIES. CLARA KOPECKY, Berwyn, Ill.
Filed June 22, 1939. Serial No. 420,823. PUBLISHED APRIL 2, 1940. Class 46.

378,425. NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. COHN & ROSENBERGER, INC., New York, N. Y.
Filed June 24, 1939. Serial No. 420,895. PUBLISHED MARCH 26, 1940. Class 28.

378,426. CHEMICAL WOOD PRESERVATIVE COMPOUNDS. E. & F. KING & CO., INCORPORATED, Boston, Mass.
Filed June 29, 1939. Serial No. 421,088. PUBLISHED MARCH 26, 1940. Class 6.

378,427. PERIODICAL PUBLICATION. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill.
Filed July 7, 1939. Serial No. 421,364. PUBLISHED MARCH 26, 1940. Class 38.

378,428. ELECTRICAL FOOD AND BEVERAGE MIXERS. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill.
Filed July 19, 1939. Serial No. 421,725. PUBLISHED APRIL 2, 1940. Class 21.

378,429. PERFUMES. GOLDSTEIN & LALL, New York, N. Y.
Filed July 20, 1939. Serial No. 421,770. PUBLISHED APRIL 2, 1940. Class 6.

378,430. FERROUS ROUGH CASTINGS FOR MAKING SHAFTING AND THE LIKE. THE DUBALOY COMPANY, Scottdale, Pa.
Filed July 24, 1939. Serial No. 421,875. PUBLISHED APRIL 2, 1940. Class 14.

378,431. PREPARATION FOR THE TREATMENT OF THE HAIR AND SCALP. SCHRAM'S METHOD OF SCALP TREATMENT, Detroit, Mich.
Filed July 27, 1939. Serial No. 422,020. PUBLISHED MARCH 26, 1940. Class 6.

378,432. CARPET SWEEPERS. BISSELL CARPET SWEEPER CO., Grand Rapids, Mich.
Filed August 10, 1939. Serial No. 422,463. PUBLISHED APRIL 2, 1940. Class 23.

378,433. PERFUMERY AND BEAUTY PREPARATIONS—NAMELY, POWDERS, CREAMS, LIQUIDS, PASTES, POMADES, AND COSMETICS FOR THE CARE OF THE SKIN, HAIR, AND TEETH. L. GIVAUDAN & CIE. SOCIÉTÉ ANONYME, Vernier, Switzerland.
Filed August 24, 1939. Serial No. 422,930. PUBLISHED MARCH 26, 1940. Class 6.

378,434. PERFUME. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed August 28, 1939. Serial No. 423,075. PUBLISHED APRIL 2, 1940. Class 6.

378,435. SOLUBLE TABLETS OF SALINE EFFERVESCENT SUBSTANCES FOR USE AS A MOUTHWASH WHEN DELIQUESCED IN WATER. VIDEO, INCORPORATED, Bloomfield, N. J.
Filed August 28, 1939. Serial No. 423,077. PUBLISHED MARCH 26, 1940. Class 6.

378,436. ANTISEPTIC TABLETS AND POWDERS, TOOTH PASTES AND POWDERS, HEADACHE TABLETS AND POWDERS, GERMICIDES, CONTRACEPTIVE PREPARATIONS, EFFERVESCENT ALKALIZING TABLETS AND POWDERS, MOUTHWASH PREPARATIONS, AND COLLOIDAL SUPPOSITORIES. VIDEO, INCORPORATED, Bloomfield, N. J.
Filed August 28, 1939. Serial No. 423,078. PUBLISHED APRIL 2, 1940. Class 6.

378,437. DECORATED, PRINTED, AND ORNAMENTED KNITTED AND WOVEN TEXTILE PIECE GOODS, WHICH PIECE GOODS ARE CREPE GOODS, FLAT GOODS, OR PILE GOODS AND CONSIST OF COTTON, SILK, LINEN, WOOL, RAYON, OR MIXTURES THEREOF. VELVERAY CORPORATION OF AMERICA, New York, N. Y.
Filed September 1, 1939. Serial No. 423,246. PUBLISHED APRIL 2, 1940. Class 42.

378,438. LIVE AND DRESSED POULTRY, SANDWICHES, EGGS, AND FRESH VEGETABLES. ADA WALKER, Wyoming, Ohio.
Filed September 5, 1939. Serial No. 423,319. PUBLISHED APRIL 2, 1940. Class 46.

378,439. RESILIENT VEHICLE TIRES OF RUBBER OR RUBBER COMPOSITION OR RUBBER AND FABRIC. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed September 13, 1939. Serial No. 423,558. PUBLISHED APRIL 2, 1940. Class 35.

378,440. BORIC ACID POWDER, BORIC ACID CRYSTALS, CAMPHORATED OIL, MEDICINAL MINERAL OIL, COD LIVER OIL, ETC. SPIEGEL, INCORPORATED, Chicago, Ill.
Filed September 30, 1939. Serial No. 424,105. PUBLISHED APRIL 2, 1940. Class 6.

378,441. WATCH RATE RECORDERS. AMERICAN TIME PRODUCTS, INC., New York, N. Y.
Filed October 5, 1939. Serial No. 424,220. PUBLISHED APRIL 2, 1940. Class 26.

378,442. FORCED DRAFT VENTILATORS AND AIR CONDITIONING UNITS. DONALD S. FUNK, doing business as National Standard Air-Products Co., Chicago, Ill.
Filed October 6, 1939. Serial No. 424,266. PUBLISHED APRIL 2, 1940. Class 34.

378,443. PARTLY PREPARED AND FINISHED LEATHERS. THOMAS B. HARVEY LEATHER CO., Philadelphia, Pa.
Filed October 7, 1939. Serial No. 424,322. PUBLISHED APRIL 2, 1940. Class 1.

378,444. SHORT WAVE THERAPEUTIC APPARATUS. MAJESTIC SURGICAL INSTRUMENT CO., Chicago, Ill.
Filed October 10, 1939. Serial No. 424,400. PUBLISHED APRIL 2, 1940. Class 44.

378,445. PAINTS IN DRY, PASTE, AND READY-MIXED FORM; LACQUERS; PAINT ENAMELS; AEROPLANE DOPES, ETC. COATING MATERIALS LABORATORIES, INC., Belleville, N. J.
Filed October 11, 1939. Serial No. 424,422. PUBLISHED MARCH 26, 1940. Class 16.

378,446. CHEMICAL COMPOUNDS FOR TREATING OIL WELL DRILLING MUDS. NATIONAL LEAD COMPANY, New York, N. Y.
Filed October 14, 1939. Serial No. 424,552. PUBLISHED MARCH 19, 1940. Class 6.

378,447. INDEX CARDS, LETTER AND CARD INDEXES, CRAYONS, CHALK, TRACING CLOTH AND PAPER, DIARIES, ENVELOPES, RUBBER BANDS, ETC. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind.
Filed October 16, 1939. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 424,600. PUBLISHED APRIL 2, 1940. Class 37.

378,448. CLEANSING CREAM, HAND LOTION, HAIR RINSES, TISSUE CREAM, LANOLIN CREAM, PERFUME, VANISHING CREAM, FACE POWDER. JEAN SEAMAN, Glendale, Calif.
Filed October 13, 1939. Serial No. 424,633. PUBLISHED MARCH 26, 1940. Class 6.

378,449. COMPOUND CONTAINING VARIOUS MINERALS TO BE MIXED WITH FEED RATIONS OF ANIMALS FOR PURPOSES OF CORRECTING AND PREVENTING FEED DEFICIENCIES. PAUL S. CASEY, doing business as Vitamineral Products Company, Peoria, Ill.
Filed October 20, 1939. Serial No. 424,753. PUBLISHED MARCH 26, 1940. Class 6.

378,450. COMPOUND CONTAINING VARIOUS MINERALS TO BE MIXED WITH FEED RATIONS OF ANIMALS FOR PURPOSES OF CORRECTING AND PREVENTING FEED DEFICIENCIES. PAUL S. CASEY, doing business as Vitamineral Products Company, Peoria, Ill.
Filed October 20, 1939. Serial No. 424,756. PUBLISHED MARCH 26, 1940. Class 6.

378,451. SHOELACES. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed October 21, 1939. Serial No. 424,773. PUBLISHED APRIL 2, 1940. Class 40.

378,452. INSECTICIDES. O-CEDAR CORP'N, Chicago, Ill.
Filed October 23, 1939. Serial No. 424,821. PUBLISHED MARCH 5, 1940. Class 6.

378,453. COLUMN DEVOTED TO STAMP COLLECTORS AND STAMP COLLECTIONS PUBLISHED IN ITS DAILY NEWSPAPER. HEARST PUBLICATIONS, INCORPORATED, San Francisco, Calif.
Filed October 23, 1939. Serial No. 424,900. PUBLISHED MARCH 26, 1940. Class 38.

378,454. INSECT SPRAY INTERSTATE DRUG CORP., Chicago, Ill.
Filed October 30, 1939. Serial No. 425,055. PUBLISHED MARCH 26, 1940. Class 6.

378,455. KITCHEN CABINETS. MULLINS MANUFACTURING CORPORATION, Salem, Ohio.
Filed November 1, 1939. Serial No. 425,118. PUBLISHED APRIL 2, 1940. Class 32.

378,456. SINKS AND COMBINED SINKS AND CABINETS. MULLINS MANUFACTURING CORPORATION, Salem, Ohio.
Filed November 1, 1939. Serial No. 425,119. PUBLISHED APRIL 2, 1940. Class 13.

378,457. BLOOD TONIC PREPARATION. GENSAKU NAKAMURA, doing business as Hawaii Nishikai, Honolulu, Territory of Hawaii.
Filed November 6, 1939. Serial No. 425,288. PUBLISHED APRIL 2, 1940. Class 6.

378,458. LYE, BLUING, AMMONIA, CLOTHES BLEACH, AND WASHING SODA. UNITED BUYERS CORPORATION, also doing business as Foodcraft Products, Chicago, Ill.
Filed November 6, 1939. Serial No. 425,314. PUBLISHED MARCH 5, 1940. Class 6.

378,459. CAULKING COMPOUNDS. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., and Mobile, Ala.
Filed November 7, 1939. Serial No. 425,347. PUBLISHED APRIL 2, 1940. Class 12.

378,460. LIQUID ROOF COATING WITH ASBESTOS FIBRE AND ASPHALT BASE, AND PLASTIC ROOFING CEMENT. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., and Mobile, Ala.
Filed November 7, 1939. Serial No. 425,356. PUBLISHED MARCH 26, 1940. Class 12.

378,461. FLUXING COMPOUND. CHICAGO WELDING SALES COMPANY, Chicago, Ill.
Filed August 29, 1939. Serial No. 423,363. PUBLISHED APRIL 2, 1940. Class 6.

378,462. EMULSIFIED ASPHALT AND ASPHALT COMPOSITIONS. ALLIED MATERIALS CORPORATION, Oklahoma City, Okla.
Filed November 13, 1939. Serial No. 425,542. PUBLISHED APRIL 2, 1940. Class 12.

378,463. ELECTRIC MOTORS AND PARTS THEREFOR. BYRON JACKSON CO., Huntington Park, Calif.
Filed November 14, 1939. Serial No. 425,608. PUBLISHED APRIL 2, 1940. Class 21.

378,464. ELECTRIC BROILERS. SYDNEY M. PREVOR, doing business as United Mds'g. Syndicate, Brooklyn, N. Y.
Filed November 13, 1939. Serial No. 425,667. PUBLISHED MARCH 5, 1940. Class 21.

378,465. PREPARATION FOR THE TREATMENT OF SMALL INSECT BITES, SIMPLE RINGWORM OF THE TOES AND FEET, AND ATHLETE'S FOOT. HORALD VILLOWS WATSON, Hull, Tex.
Filed November 13, 1939. Serial No. 425,668. PUBLISHED APRIL 2, 1940. Class 6.

378,466. SKIN OINTMENT. ARTHUR A. BARNES, doing business as Vanasal Company, Elmira, N. Y.
Filed November 16, 1939. Serial No. 425,683. PUBLISHED MARCH 26, 1940. Class 6.

378,467. PERIODICAL PUBLICATION, LATIN-AMERICAN INFORMATION, INC., New York, N. Y.
Filed November 17, 1939. Serial No. 425,741. PUBLISHED APRIL 2, 1940. Class 38.

378,468. FACE POWDER, SKIN CREAM, COLOGNE, BATH CRYSTALS, HAND LOTION, SHAMPOO. LANDER CO. INC., New York, N. Y.
Filed November 18, 1939. Serial No. 425,791. PUBLISHED FEBRUARY 20, 1940. Class 6.

378,469. OAT CEREAL BREAKFAST FOOD. GENERAL MILLS, INC., Minneapolis, Minn.
Filed November 22, 1939. Serial No. 425,885. PUBLISHED APRIL 2, 1940. Class 46.

378,470. STEEL HARDENING COMPOUND. STANLEY B. SOVATKIN, doing business as Ralksite Company, Brooklyn, N. Y.
Filed November 24, 1939. Serial No. 425,932. PUBLISHED MARCH 12, 1940. Class 6.

378,471. FRESH TOMATOES. RUSKIN TOMATO GROWERS, INC., Ruskin, Fla.
Filed November 28, 1939. Serial No. 426,037. PUBLISHED APRIL 2, 1940. Class 46.

378,472. SAUSAGES AND MINCED MEAT. F. WATKINS PROPRIETARY LIMITED, Melbourne, Victoria, Australia.
Filed November 28, 1939. Serial No. 426,041. PUBLISHED APRIL 2, 1940. Class 46.

378,473. TOILET TISSUE. AUTOMATIC PAPER MACHINERY COMPANY, INC., Hoboken, N. J.
Filed December 6, 1939. Serial No. 426,282. PUBLISHED APRIL 2, 1940. Class 37.

378,474. LIQUID COATING FOR PAPER AND PAPER BOARD. THE DYMENT COMPANY, Cleveland, Ohio.
Filed December 6, 1939. Serial No. 426,288. PUBLISHED MARCH 19, 1940. Class 6.

378,475. BATHROOM TISSUE. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed December 7, 1939. Serial No. 426,317. PUBLISHED APRIL 2, 1940. Class 37.

378,476. BOTTLE CLOSURES. AMELIA E. CREMER, doing business as Amelia Top Company, Hanover, Pa.
Filed December 7, 1939. Serial No. 426,328. PUBLISHED APRIL 2, 1940. Class 50.

378,477. MEDICINAL MINERAL OIL, COD LIVER OIL, RUBBING ALCOHOL, RUBBING ALCOHOL COMPOUND, BAY RUM, ETC. PUREX PRODUCTS, INCORPORATED, Baltimore, Md.
Filed December 7, 1939. Serial No. 426,343. PUBLISHED MARCH 26, 1940. Class 6.

378,478. OINTMENT USED IN THE TREATMENT OF ATHLETE'S FOOT, TABLETS USED AS AN AID IN REDUCING TEMPERATURES IN CERTAIN TYPES OF FEVERS, ETC. W. R. BALL, doing business as Ball Drug Company, Jackson, La.
Filed December 8, 1939. Serial No. 426,355. PUBLISHED APRIL 2, 1940. Class 6.

378,479. LUBRICATING OILS. VENANGO REFINING CO. INC., Franklin, Pa.
Filed December 12, 1939. Serial No. 426,504. PUBLISHED MARCH 26, 1940. Class 15.

378,480. MALT TONIC CONSISTING OF A FLAVORED LIQUID PREPARATION CONTAINING MALT EXTRACT, FISH LIVER OILS, THIAMIN CHLORIDE, RIBOFLAVIN, AND FERRIC PYROPHOSPHATE. WEBB LABORATORIES, INC., Schenectady, N. Y.
Filed December 12, 1939. Serial No. 426,506. PUBLISHED MARCH 19, 1940. Class 6.

378,481. GOAT'S MILK. MARION E. BALDWIN, doing business as Hillshire Farms, Killingly, Conn.
Filed December 13, 1939. Serial No. 426,514. PUBLISHED APRIL 2, 1940. Class 46.

378,482. EYE LOTION, MEDICINE AND TONIC FOR THE RELIEF OF MINOR IRRITATIONS AND INFLAMMATIONS OF THE CONJUNCTIVA, CAUSED BY WIND, DUST, OR OTHER FOREIGN PARTICLES IN THE EYE, AND ACCOMPANIED BY EXCESSIVE LACRIMATION OR HYPEREMIA. THEODORE BRADFORD, Washington, D. C.
Filed December 13, 1939. Serial No. 426,521. PUBLISHED MARCH 5, 1940. Class 6.

378,483. WRITING PAPER, BANK BOOKS, ENVELOPES, PASS BOOKS, AND BLANK BOOKS. THOMAS WEST ELLETT, Richmond, Va.
Filed December 13, 1939. Serial No. 426,528. PUBLISHED APRIL 2, 1940. Class 37.

378,484. PERFUMES, TOILET WATER, TALCUM POWDER, SACHET, AND AFTER SHAVING LOTION. JOHN BRADSHAW COMPANY, Boston, Mass.
Filed December 14, 1939. Serial No. 426,555. PUBLISHED MARCH 19, 1940. Class 6.

378,485. ARTIFICIAL STONE SLABS FOR CONSTRUCTION PURPOSES. THE DEXTONE COMPANY, New Haven, Conn.
Filed December 14, 1939. Serial No. 426,563. PUBLISHED MARCH 26, 1940. Class 12.

378,486. DIURETIC AND VEGETABLE COMPOUNDS, NOSE AND THROAT DROPS, COUGH MIXTURE IN THE NATURE OF AN EXPECTORANT, RED AND SNOW-WHITE LINIMENTS FOR ORDINARY SPRAINS AND BRUISES. J. B. KNIGHT, SR., doing business as "Old 97 Manufacturing Company" and "La Charma Company", Tampa, Fla.
Filed December 15, 1939. Serial No. 426,589. PUBLISHED MARCH 26, 1940. Class 6.

378,487. SMOKING TOBACCO. DANIEL FRANK CO., Boston, Mass.
Filed December 15, 1939. Serial No. 426,613. PUBLISHED APRIL 2, 1940. Class 17.

378,488. CHEMICAL PREPARATION FOR THE ALLEVIATION OF SUPERFICIAL SKIN IRRITATIONS. NICHOLAS SALINITRO, doing business as Salinitro Laboratories, New York, N. Y.
Filed December 15, 1939. Serial No. 426,632. PUBLISHED MARCH 19, 1940. Class 6.

378,489. CANDLES. MUENCH-KRUEZER CANDLE CO., INC., Syracuse, N. Y.
Filed December 16, 1939. Serial No. 426,661. PUBLISHED MARCH 19, 1940. Class 15.

378,490. HAT SIZING. IRA I. SLOMON, Long Island City, N. Y.
Filed December 16, 1939. Serial No. 426,674. PUBLISHED MARCH 5, 1940. Class 6.

378,491. OLEOMARGARINE. THE CHURNGOLD CORPORATION, Cincinnati, Ohio.
Filed December 18, 1939. Serial No. 426,688. PUBLISHED APRIL 2, 1940. Class 46.

378,492. NAIL ENAMEL, NAIL ENAMEL THINNER, NAIL ENAMEL REMOVER, HAND LOTION, LUBRICATING CREAM, WHITENING CREAM, BLEACHING CREAM, LIQUID HAND CREAM, CUTICLE REMOVER, CUTICLE SOFTENER, AND MANICURE OIL. ROUX DISTRIBUTING CO., New York, N. Y.
Filed December 19, 1939. Serial No. 426,737. PUBLISHED MARCH 5, 1940. Class 6.

378,493. LAXATIVE EMULSION AND DOUCHE POWDER. THE VIAVI COMPANY, San Francisco, Calif.
Filed December 19, 1939. Serial No. 426,742. PUBLISHED MARCH 26, 1940. Class 6.

378,494. STERILIZING TABLETS FOR SURGICAL INSTRUMENTS. AMERICAN CYSTOSCOPE MAKERS, INC., New York, N. Y.
Filed December 20, 1939. Serial No. 426,753. PUBLISHED MARCH 5, 1940. Class 6.

378,495. GAME COMPOSED OF SPINNING DEVICES TO BE PLAYED IN AN AUDIENCE, THEATRE, OR HALL, HAVING CONSECUTIVELY NUMBERED SEATS. CARKEY AND SHULTS, Little Falls, N. Y.
Filed December 20, 1939. Serial No. 426,759. PUBLISHED APRIL 2, 1940. Class 22.

378,496. BATH OIL, TOILET WATER, FRICTION LOTION, DUSTING POWDER, HAND LOTION, BATH POWDER, ETC. MARY CHESS INC., New York, N. Y.
Filed December 20, 1939. Serial No. 426,762. PUBLISHED MARCH 12, 1940. Class 6.

378,497. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, ETC. DELETTREZ, INC., Long Island City, N. Y.
Filed December 20, 1939. Serial No. 426,763. PUBLISHED MARCH 5, 1940. Class 6.

378,498. PETROLEUM JELLY. EARLE WHOLESALE GROCERY CO., Earle, Ark.
Filed December 20, 1939. Serial No. 426,766. PUBLISHED MARCH 5, 1940. Class 6.

378,499. BATH POWDER, TALCUM POWDER, BATH CRYSTALS, EAU DE COLOGNE, TOILET WATER (SACHETS), SCENTED POWDER, PERFUME. HOUSE OF MARCELL, INC., New York, N. Y.
Filed December 20, 1939. Serial No. 426,773. PUBLISHED MARCH 26, 1940. Class 6.

378,500. COMPOUND FOR IMPARTING A WATER REPELLENT AND WEAR RESISTING FINISH FOR KNITTED AND WOVEN TEXTILES, AND PARTICULARLY HOSIERY, LINGERIE, AND THE LIKE. RICHARD W. TAYLOR, doing business as R. W. Taylor & Company, Plymouth, Mass.
Filed December 20, 1939. Serial No. 426,793. PUBLISHED MARCH 5, 1940. Class 6.

378,501. GUM CONTAINING A NONPOISONOUS PEROXIDE COMPOUND ADAPTED TO WHITEN THE TEETH. GUM LABORATORIES, INC., Clifton Heights, Pa.
Filed December 21, 1939. Serial No. 426,807. PUBLISHED MARCH 26, 1940. Class 6.

378,502. GUM CONTAINING A NONPOISONOUS PEROXIDE COMPOUND ADAPTED TO WHITEN THE TEETH. GUM LABORATORIES, INC., Clifton Heights, Pa.
Filed December 21, 1939. Serial No. 426,808. PUBLISHED MARCH 5, 1940. Class 6.

378,503. MEDICINAL PREPARATION FOR RUNDOWNNESS, FATIGUE, DEPRESSION, LACK OF ENERGY, AND SKIN TROUBLES. THE IRONIZED YEAST CO. INC., Atlanta, Ga.
Filed December 22, 1939. Serial No. 426,835. PUBLISHED MARCH 5, 1940. Class 6.

378,504. FRESH CITRUS FRUITS. POLIS & HAGAN, Edinburg, Tex.
Filed December 23, 1939. Serial No. 426,867. PUBLISHED APRIL 2, 1940. Class 46.

378,505. LIPSTICK, ROUGE, AND NAIL POLISH. VALDOR, INC., New York, N. Y.
Filed December 23, 1939. Serial No. 426,872. PUBLISHED MARCH 26, 1940. Class 6.

378,506. PILE SALVE. JEFF L. RUBEL, doing business as J. L. R. Chemical Co., Okolona, Miss.
Filed December 26, 1939. Serial No. 426,902. PUBLISHED MARCH 5, 1940. Class 6.

378,507. EMOLLIENT OR OINTMENT HAVING HEALING AND PROTECTIVE QUALITIES RECOMMENDED PRIMARILY FOR USE IN OCCUPATIONAL DERMATITIS, ALSO FOR THE RELIEF OF MINOR SKIN IRRITATIONS DUE TO EXTERNAL CAUSES, SUCH AS CHAPPING, CHAFING, AND THE LIKE. DUKE LABORATORIES, INC., Stamford, Conn.
Filed December 27, 1939. Serial No. 426,925. PUBLISHED MARCH 5, 1940. Class 6.

378,508. LAXATIVE. MARGUERITE J. MORGAN, doing business as New Health Products Co., East Aurora, N. Y.
Filed December 27, 1939. Serial No. 426,928. PUBLISHED MARCH 5, 1940. Class 6.

378,509. COSMETICS—NAMELY, LIPSTICK, ROUGE, PERFUME, TOILET WATER, FACE AND TALCUM POWDER. PARFUMS CHARBERT, INC., New York, N. Y.
Filed December 29, 1939. Serial No. 426,986. PUBLISHED MARCH 5, 1940. Class 6.

378,510. LIPSTICK, FACE AND TALCUM POWDER, PERFUME, ROUGE, TOILET WATER. PARFUMS CHARBERT, INC., New York, N. Y.
Filed December 29, 1939. Serial No. 426,987. PUBLISHED MARCH 5, 1940. Class 6.

378,511. PAPER TOWELS. SCOTT PAPER COMPANY, Chester, Pa.
Filed December 29, 1939. Serial No. 426,990. PUBLISHED APRIL 2, 1940. Class 37.

378,512. COMPOSITIONS USED AS FINISHING AGENTS, PARTICULARLY FOR IMPARTING PERMANENT SOFTNESS, FOR THE CHEMICAL TREATMENT OF BOTH NATURAL AND ARTIFICIAL TEXTILE FIBRES AND THE TEXTILE MATERIALS MADE THEREFROM. ALROSE CHEMICAL CO., Cranston, R. I.
Filed December 30, 1939. Serial No. 427,001. PUBLISHED MARCH 5, 1940. Class 6.

378,513. COMPOSITIONS USED AS DETERGENTS FOR THE CHEMICAL TREATMENT OF BOTH NATURAL AND ARTIFICIAL TEXTILE FIBRES AND THE TEXTILE MATERIALS MADE THEREFROM. ALROSE CHEMICAL CO., Cranston, R. I.
Filed December 30, 1939. Serial No. 427,002. PUBLISHED MARCH 5, 1940. Class 6.

378,514. COMPOSITIONS USED AS WETTING AGENTS FOR THE CHEMICAL TREATMENT OF BOTH NATURAL AND ARTIFICIAL TEXTILE FIBRES AND THE TEXTILE MATERIALS MADE THEREFROM. ALROSE CHEMICAL CO., Cranston, R. I.
Filed December 30, 1939. Serial No. 427,003. PUBLISHED MARCH 5, 1940. Class 6.

378,515. INORGANIC CHEMICALS, INCLUDING AMMONIA, AMMONIUM BROMIDE, AMMONIUM CHLORIDE, CHROMIC ACID, ETC. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed December 30, 1939. Serial No. 427,011. PUBLISHED MARCH 5, 1940. Class 6.

378,516. INORGANIC CHEMICALS, INCLUDING AMMONIA, AMMONIUM BROMIDE, AMMONIUM CHLORIDE, ETC. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed December 30, 1939. Serial No. 427,014. PUBLISHED MARCH 5, 1940. Class 6.

378,517. ANALGESIC AND ANTIPYRETIC TABLET. UNITED DRUG COMPANY, Boston, Mass.
Filed December 30, 1939. Serial No. 427,049. PUBLISHED MARCH 5, 1940. Class 6.

378,518. FRESH VEGETABLES. BONITA PACKING CO., Guadalupe, Calif.
Filed January 2, 1940. Serial No. 427,065. PUBLISHED APRIL 2, 1940. Class 46.

378,519. COUNTERIRRITANT. MARY KASSON MARAVENTANO, doing business as Kasson Pharmaceutical Laboratories, New York, N. Y.
Filed January 2, 1940. Serial No. 427,082. PUBLISHED APRIL 2, 1940. Class 6.

378,520. COD LIVER OIL TABLETS. MCCOY'S PRODUCTS, INC., New York, N. Y.
Filed January 2, 1940. Serial No. 427,083. PUBLISHED APRIL 2, 1940. Class 6.

378,521. NAIL POLISH. PEGGY SAGE, INC., New York, N. Y.
Filed January 2, 1940. Serial No. 427,088. PUBLISHED MARCH 19, 1940. Class 6.

378,522. NAIL POLISH. PEGGY SAGE, INC., New York, N. Y.
Filed January 2, 1940. Serial No. 427,089. PUBLISHED MARCH 19, 1940. Class 6.

378,523. FRESH VEGETABLES—NAMELY, SWEET POTATOES. W. STEWART, doing business as Pittsburg Storage Company, Pittsburg, Tex.
Filed January 2, 1940. Serial No. 427,094. PUBLISHED APRIL 2, 1940. Class 46.

378,524. PACK SOLUTION, TEXTURE CREAM, MELTING CREAM, DUSTING POWDER, ROUGE IN LIQUID, POWDER, AND CREAM FORMS, ETC. ELMO, INC., Philadelphia, Pa.
Filed January 3, 1940. Serial No. 427,101. PUBLISHED MARCH 26, 1940. Class 6.

378,525. LIGHT REFLECTING MATERIAL IN SHEET FORM INCORPORATING LIGHT REFRACTING PARTICLES FOR USE AS AND IN CONNECTION WITH HIGHWAY MARKERS, HIGHWAY OBSTRUCTIONS, TEMPORARY HAZARDS, POSTS, ABUTMENTS, TRUCK BODIES, BUMPERS, RAILROAD GATES, FENCES, DIRECTION MARKERS, OTHER MARKERS, SIGNS, AND THE LIKE. JOHN R. WALD COMPANY, Huntingdon, Pa.
Filed January 3, 1940. Serial No. 427,120. PUBLISHED APRIL 2, 1940. Class 50.

378,526. SHOE LACES. WORCESTER BRAIDING COMPANY, Worcester, Mass.
Filed January 3, 1940. Serial No. 427,124. PUBLISHED MARCH 12, 1940. Class 40.

378,527. BLEACHING PEROXIDE. THE GOODMAN CHEMICAL CO., New York, N. Y.
Filed January 4, 1940. Serial No. 427,137. PUBLISHED MARCH 19, 1940. Class 6.

378,528. MEDICINAL PREPARATIONS FOR THE RATIONAL CONTROL OF GASTRO-INTESTINAL HYPERACIDITY. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed January 4, 1940. Serial No. 427,151. PUBLISHED MARCH 19, 1940. Class 6.

378,529. PLOWS, BUSH HOOKS, AXES, HUNTING KNIVES, CANE KNIVES, AND MACHETES. THE COLLINS COMPANY, Collinsville, Conn.
Filed January 6, 1940. Serial No. 427,194. PUBLISHED APRIL 2, 1940. Class 23.

378,530. SMOKING TOBACCO. TOBACCO PROCESSING CO., INC., New York, N. Y.
Filed January 6, 1940. Serial No. 427,216. PUBLISHED APRIL 2, 1940. Class 17.

378,531. INDEX CARD HOLDER. S. MORGAN BARBER, JR., doing business as Morgan Barber & Company, Greens Farms, Conn.
Filed January 8, 1940. Serial No. 427,227. PUBLISHED APRIL 2, 1940. Class 37.

378,532. PAPER—NAMELY, BOOK PAPER, LABEL PAPER, AND BOX COVER PAPER. CROCKER, BURBANK PAPERS, INC., Fitchburg, Mass.
Filed January 8, 1940. Serial No. 427,235. PUBLISHED APRIL 2, 1940. Class 37.

378,533. SMOKING PIPES, SMOKING PIPE STOKER UNITS, PIPE FILTERS, AND PIPE CLEANERS. BRIAR HILL CORPORATION, Millersburg, Ohio.
Filed January 9, 1940. Serial No. 427,270. PUBLISHED APRIL 2, 1940. Class 8.

378,534. PUBLICATIONS AND PERIODICAL REPORTS FOR A MONTHLY CRITIQUE OF RECORDED MUSIC. STEINWAY & SONS, New York, N. Y.
Filed January 9, 1940. Serial No. 427,290. PUBLISHED MARCH 19, 1940. Class 38.

378,535. MATERIAL FOR KILLING MOTHS, MOTH EGGS, AND MOTH LARVAE. CADIE CHEMICAL PRODUCTS, INC., New York, N. Y.
Filed January 10, 1940. Serial No. 427,292. PUBLISHED MARCH 19, 1940. Class 6.

378,536. PILE AND FISTULA OINTMENT. JOHN D. GOODWIN, doing business as Euclid Pharmacal Company, Cincinnati, Ohio.
Filed January 10, 1940. Serial No. 427,300. PUBLISHED MARCH 19, 1940. Class 6.

378,537. TONIC AND ELIMINANT. HORACE HOWSON, doing business as Mutual Distributors, Wichita, Kans.
Filed January 10, 1940. Serial No. 427,306. PUBLISHED MARCH 19, 1940. Class 6.

378,538. COFFEE. THE P. AND F. COMPANY, Cheshire, Conn.
Filed January 10, 1940. Serial No. 427,314. PUBLISHED APRIL 2, 1940. Class 46.

378,539. MEDICINAL PREPARATION IN TABLET FORM TO BE USED IN THE TREATMENT OF GASTRIC DISTURBANCES. BROOKLYN SCIENTIFIC PRODUCTS CO., INC., New York, N. Y.
Filed January 11, 1940. Serial No. 427,332. PUBLISHED MARCH 19, 1940. Class 6.

378,540. WOMEN'S AND GIRLS' ROBES CONSISTING OF BATH ROBES, DRESSING GOWNS, AND BEACH ROBES TO BE WORN IN THE HOUSE OR AT THE BEACH, SLACKS, SHORTS FOR OUTER WEAR, AND WOMEN'S AND GIRLS' HOUSECOATS, NIGHT GOWNS, PLAY SUITS, BLOUSES, BRASSIÈRES, OUTER SKIRTS, AND JACKETS. COHLER COMPANY INC., Red Lion, Pa.
Filed January 11, 1940. Serial No. 427,335. PUBLISHED MARCH 12, 1940. Class 39.

378,541. CANNED APPLE JUICE FOR BEVERAGE PURPOSES. UNITED STATES WAREHOUSE CO., doing business as Fruit Sales Agency, Detroit, Mich.
Filed January 11, 1940. Serial No. 427,352. PUBLISHED APRIL 2, 1940. Class 45.

378,542. INSECTICIDES. THE C. B. DOLGE COMPANY, Westport, Conn.
Filed January 12, 1940. Serial No. 427,368. PUBLISHED MARCH 19, 1940. Class 6.

378,543. INITIALS AND INITIAL ARTICLES—NAMELY, KEY CHAINS AND THE LIKE FOR PERSONAL WEAR. HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y.
Filed January 12, 1940. Serial No. 427,375. PUBLISHED MARCH 26, 1940. Class 28.

378,544. PREPARATION USED IN THE TREATMENT OF GALL BLADDER DISFUNCTION. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed January 12, 1940. Serial No. 427,381. PUBLISHED MARCH 19, 1940. Class 6.

378,545. CIGARETTES. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y.
Filed January 12, 1940. Serial No. 427,387. PUBLISHED APRIL 2, 1940. Class 17.

378,546. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,402. PUBLISHED MARCH 26, 1940. Class 38.

378,547. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,403. PUBLISHED MARCH 26, 1940. Class 38.

378,548. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,404. PUBLISHED MARCH 26, 1940. Class 38.

378,549. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,405. PUBLISHED MARCH 26, 1940. Class 38.

378,550. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,406. PUBLISHED MARCH 26, 1940. Class 38.

378,551. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,407. PUBLISHED MARCH 26, 1940. Class 38.

378,552. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,409. PUBLISHED MARCH 26, 1940. Class 38.

378,553. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,411. PUBLISHED MARCH 26, 1940. Class 38.

378,554. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,412. PUBLISHED MARCH 26, 1940. Class 38.

378,555. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,413. PUBLISHED MARCH 26, 1940. Class 38.

378,556. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,414. PUBLISHED MARCH 26, 1940. Class 38.

378,557. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,415. PUBLISHED APRIL 2, 1940. Class 38.

378,558. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,417. PUBLISHED MARCH 26, 1940. Class 38.

378,559. ANTI-FREEZE. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed January 13, 1940. Serial No. 427,438. PUBLISHED MARCH 19, 1940. Class 6.

378,560. LIPSTICK, FACE POWDER, ROUGE, FACE CREAM, COLD CREAM, AND FACE LOTION. PARIS COSMETICS, INC., New York, N. Y.
Filed January 13, 1940. Serial No. 427,441. PUBLISHED MARCH 19, 1940. Class 6.

378,561. LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, ANTIPERSPIRANT AND DEODORANT, CREAM FOR THE HANDS AND FACE, CLEANSING PADS IMPREGNATED WITH LOTION, PREPARATIONS FOR SKIN, HAIR, AND FINGER NAILS, AND PERFUMES. DONALD R. KALLMAN, Park Ridge, Ill.
Filed January 15, 1940. Serial No. 427,466. PUBLISHED APRIL 2, 1940. Class 6.

378,562. MEDICINAL SUBSTANCE FOR THE PROMOTION OF EPITHELIZATION. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed January 15, 1940. Serial No. 427,483. PUBLISHED MARCH 19, 1940. Class 6.

378,563. PERFUME, EAU DE COLOGNE, DUSTING POWDER, AND SACHET POWDER. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed January 16, 1940. Serial No. 427,506. PUBLISHED MARCH 19, 1940. Class 6.

378,564. TEXT BOOKS. C. A. JOHNSON, doing business as The Johnson School of Arithmatics, Cheyenne, Wyo.
Filed January 17, 1940. Serial No. 427,540. PUBLISHED APRIL 2, 1940. Class 38.

378,565. DYES. MONROE CHEMICAL COMPANY, Quincy, Ill.
Filed January 17, 1940. Serial No. 427,550. PUBLISHED MARCH 19, 1940. Class 6.

378,566. DYES. MONROE CHEMICAL COMPANY, Quincy, Ill.
Filed January 17, 1940. Serial No. 427,552. PUBLISHED MARCH 19, 1940. Class 6.

378,567. PREPARATIONS INDICATED AS A TONIC TO PROMOTE OPTIMAL GROWTH OF INFANTS AND CHILDREN, ETC. LYDIA E. PINKHAM MEDICINE COMPANY, Lynn, Mass.
Filed January 17, 1940. Serial No. 427,554. PUBLISHED APRIL 2, 1940. Class 6.

378,568. PREPARATIONS CONTAINING A SUBSTANCE EXTRACTED FROM AN ANIMAL ORGAN, INCLUDING HEPATIC SUBSTANCES, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed January 17, 1940. Serial No. 427,560. PUBLISHED APRIL 2, 1940. Class 6.

378,569. MAGAZINES PUBLISHED PERIODICALLY. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed January 18, 1940. Serial No. 427,577. PUBLISHED MARCH 19, 1940. Class 38.

378,570. WAXES FOR CHEMICAL, MEDICINAL AND PHARMACEUTICAL PURPOSES, AND PETROLATUMS. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed January 18, 1940. Serial No. 427,601. PUBLISHED APRIL 2, 1940. Class 6.

378,571. MAGAZINE. ALL AMERICAN COMICS, INC., New York, N. Y.
Filed January 19, 1940. Serial No. 427,610. PUBLISHED APRIL 2, 1940. Class 38.

378,572. PERFUMES, TOILET WATERS, FACE AND TOILET POWDERS, POWDER AND ROUGE COMPACTS, ROUGES, LIPSTICKS, BATH SALTS, LOTIONS FOR THE SKIN AND HAIR AND SACHETS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France.
Filed January 19, 1940. Serial No. 427,616. PUBLISHED APRIL 2, 1940. Class 6.

378,573. SMALT, CERAMIC COLORS, AND PAINT PIGMENTS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed January 19, 1940. Serial No. 427,624. PUBLISHED APRIL 2, 1940. Class 16.

378,574. COMPOUND USED FOR FULLING AND SCOURING WOOLEN AND WORSTED GOODS, AND GENERAL TEXTILE SCOURING. HAAS-MILLER CORPORATION, Philadelphia, Pa.
Filed January 19, 1940. Serial No. 427,626. PUBLISHED MARCH 5, 1940. Class 6.

378,575. ANTISEPTIC OINTMENT. J. E. RAGSDALE, doing business as J. E. Hough & Sons, Manchester, Tenn.
Filed January 19, 1940. Serial No. 427,369. PUBLISHED APRIL 2, 1940. Class 6.

378,576. MEDICINAL PREPARATION USED IN THE TREATMENT OF COUGHS. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed January 20, 1940. Serial No. 427,683. PUBLISHED MARCH 12, 1940. Class 6.

378,577. FACE BLEACH, SKIN WHITENING CREAM, EYE BROW PENCIL, POMADE, FACE POWDER, ETC. THE DANDRO-NOX CO., INC., Baltimore, Md.
Filed January 22, 1940. Serial No. 427,703. PUBLISHED MARCH 5, 1940. Class 6.

378,578. MATTRESSES. ECLIPSE SLEEP PRODUCTS, INC., Brooklyn, N. Y.
Filed January 22, 1940. Serial No. 427,705. PUBLISHED APRIL 2, 1940. Class 32.

378,579. CHEMICAL COMPOSITION TO BE ADDED TO GASOLENE, FUEL OIL, ETC., FOR IMPROVING THE EFFICIENCY OF INTERNAL COMBUSTION ENGINES, ETC. C. E. L. Co., INC., New York, N. Y.
Filed January 23, 1940. Serial No. 427,750. PUBLISHED APRIL 2, 1940. Class 6.

378,580. CONFECTIONS — VIZ., CHEWING GUM. FRANK H. FLEER CORPORATION, Philadelphia, Pa.
Filed January 23, 1940. Serial No. 427,753. PUBLISHED APRIL 2, 1940. Class 46.

378,581. ANALGESIC LOTION OR MEDICAMENT INTENDED FOR EXTERNAL USE FOR THE RELIEF OF PAIN CAUSED BY COLDS, HEADACHES, MUSCULAR CONGESTION, ARTHRITIS, SCIATICA, RHEUMATISM, ASTHMATIC PAROXYSMS, STRAINS, AND SPRAINS. SUN-RUB PRODUCTS, INC., East Cleveland, Ohio.
Filed January 23, 1940. Serial No. 427,778. PUBLISHED MARCH 12, 1940. Class 6.

378,582. ANALGESIC LOTION OR MEDICAMENT INTENDED FOR EXTERNAL USE FOR THE RELIEF OF PAIN CAUSED BY COLDS, HEADACHES, MUSCULAR CONGESTION, ARTHRITIS, SCIATICA, RHEUMATISM, ASTHMATIC PAROXYSMS, STRAINS, AND SPRAINS. SUN-RUB PRODUCTS, INC., East Cleveland, Ohio.
Filed January 23, 1940. Serial No. 427,779. PUBLISHED MARCH 12, 1940. Class 6.

378,583. INSECTICIDES. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed January 24, 1940. Serial No. 427,823. PUBLISHED APRIL 2, 1940. Class 6.

378,584. INSECTICIDES. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed January 24, 1940. Serial No. 427,824. PUBLISHED APRIL 2, 1940. Class 6.

378,585. ACETATE RAYON, SPUN RAYON, WOOL, WORSTED, COTTON, AND SILK PIECE GOODS, AND ALL FABRICS MADE FROM CUPRAMMONIUM. WESLEY SIMPSON INC., New York, N. Y.
Filed January 24, 1940. Serial No. 427,827. PUBLISHED APRIL 2, 1940. Class 42.

378,586. CHEMICALS ADAPTED FOR THE MOTH-PROOFING OF FIBERS AND FABRICS. GEIGY COMPANY, INC., New York, N. Y.
Filed January 25, 1940. Serial No. 427,840. PUBLISHED MARCH 5, 1940. Class 6.

378,587. CHEMICAL PREPARATIONS USED AS OXIDATION INHIBITORS. HARRIS-SEYBOLD-POTTER COMPANY, Cleveland, Ohio.
Filed January 25, 1940. Serial No. 427,843. PUBLISHED MARCH 19, 1940. Class 6.

378,588. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS. SCHENLEY INTERNATIONAL CORPORATION, New York, N. Y.
Filed January 25, 1940. Serial No. 427,855. PUBLISHED APRIL 2, 1940. Class 49.

378,589. BICYCLES, TRICYCLES, ICE VELOCIPEDES AND RAILWAY VELOCIPEDES AND STRUCTURAL PARTS THEREFOR. ARKWRIGHT, INCORPORATED, New York, N. Y.
Filed January 26, 1940. Serial No. 427,869. PUBLISHED APRIL 2, 1940. Class 19.

378,590. SMOKING AND CHEWING TOBACCO, CIGARS, AND CIGARETTES. CRIMSON COACH INCORPORATED, Toledo, Ohio.
Filed January 26, 1940. Serial No. 427,881. PUBLISHED APRIL 2, 1940. Class 17.

378,591. ASH TRAYS. HARRY DAVIES MOLDING CO., Chicago, Ill.
Filed January 26, 1940. Serial No. 427,884. PUBLISHED APRIL 2, 1940. Class 8.

378,592. LIPSTICKS, DRY ROUGE, AND CREAM ROUGE. DOROTHY GRAY SALONS, Bloomfield, N. J.
Filed January 26, 1940. Serial No. 427,886. PUBLISHED MARCH 12, 1940. Class 6.

378,593. CHEMICALS AND PREPARATIONS AND COMPOUNDS THEREOF USED IN PHOTOGRAPHIC PROCESSES. GENERAL ANILINE & FILM CORPORATION, Binghampton, N. Y.
Filed January 26, 1940. Serial No. 427,889. PUBLISHED MARCH 5, 1940. Class 6.

378,594. BASE BALL BATS. HILLERICH & BRADSBY COMPANY, Louisville, Ky.
Filed January 26, 1940. Serial No. 427,894. PUBLISHED APRIL 2, 1940. Class 22.

378,595. FRESH CITRUS FRUIT. INDIAN HILL CITRUS ASSOCIATION, North Pomona, Calif.
Filed January 26, 1940. Serial No. 427,895. PUBLISHED APRIL 2, 1940. Class 46.

378,596. BICYCLES. MONARK SILVER KING, INC., Chicago, Ill.
Filed January 26, 1940. Serial No. 427,899. PUBLISHED APRIL 2, 1940. Class 19.

378,597. COTTON PIECE GOODS. REEVES BROS INC., New York, N. Y.
Filed January 26, 1940. Serial No. 427,910. PUBLISHED APRIL 2, 1940. Class 42.

378,598. RADIO GAMES WHICH COMPRISE CARDS FOR USE IN A COMPETITIVE MEMORY MUSICAL GAME. D. A. SCHULTE INC., New York, N. Y.
Filed January 26, 1940. Serial No. 427,912. PUBLISHED APRIL 2, 1940. Class 22.

378,599. BEATER STARCH FOR PAPER MANUFACTURING. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed January 27, 1940. Serial No. 427,926. PUBLISHED MARCH 26, 1940. Class 6.

378,600. WINES. SCHENLEY IMPORT CORPORATION, New York, N. Y.
Filed January 27, 1940. Serial No. 427,945. PUBLISHED APRIL 2, 1940. Class 47.

378,601. SILKS, WOOLENS, COTTON, RAYON, AND COMBINATION SILK AND RAYON PIECE GOODS. BARKIN, LEVIN, & CO. INC., New York, N. Y.
Filed January 29, 1940. Serial No. 427,955. PUBLISHED APRIL 2, 1940. Class 42.

378,602. POWDER FOR MAKING HOT CHOCOLATE. BEATRICE CREAMERY COMPANY, Chicago, Ill.
Filed January 29, 1940. Serial No. 427,956. PUBLISHED APRIL 2, 1940. Class 46.

378,603. PIPE TOBACCO. BROOKS BROTHERS, New York, N. Y.
Filed January 29, 1940. Serial No. 427,958. PUBLISHED APRIL 2, 1940. Class 17.

378,604. BLEACH AND WATER SOFTENER, FOR WASHING CLOTHES AND BLEACHING WHITE COTTONS AND LINENS, ETC. ALBERT E. CLOUTIER, doing business as Dresso Products, Fall River, Mass.
Filed January 29, 1940. Serial No. 427,964. PUBLISHED MARCH 12, 1940. Class 6.

378,605. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH AND COMPANY, Schenley, Pa.
Filed January 29, 1940. Serial No. 427,975. PUBLISHED APRIL 2, 1940. Class 49.

378,606. BREAKFAST CEREALS—NAMELY, PUFFED WHEAT AND PUFFED RICE. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 29, 1940. Serial No. 427,991. PUBLISHED APRIL 2, 1940. Class 46.

378,607. SANDWICHES. THOMAS W. SHARP, doing business as Sharp's, Little Rock, Ark.
Filed January 29, 1940. Serial No. 427,998. PUBLISHED APRIL 2, 1940. Class 46.

378,608. RUBBER POWDER. CENTRALE VEREENIGING TOT BEHEER VAN PROEFSTATIONS VOOR DE OVERJARIGE CULTURES IN NEDERLANDSCH-INDIE, Batavia, Isle of Java, Netherlands East Indies.
Filed January 30, 1940. Serial No. 428,019. PUBLISHED APRIL 2, 1940. Class 1.

378,609. VITAMIN PREPARATION IN TABLET AND CAPSULE FORM. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,039. PUBLISHED MARCH 12, 1940. Class 6.

378,610. BARBITURIC ACID DERIVATIVE HAVING HYPNOTIC, SEDATIVE, AND ANTISPASMODIC PROPERTIES, IN TABLET, CAPSULE, AND ELIXIR FORM. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,040. PUBLISHED MARCH 12, 1940. Class 6.

378,611. ANTISEPTIC PREPARATION IN CRYSTAL OR POWDER FORM PARTICULARLY USEFUL IN THE TREATMENT OF BURNS. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,041. PUBLISHED MARCH 12, 1940. Class 6.

378,612. RECONSTRUCTIVE TONIC AND STIMULANT IN TABLET, CAPSULE, AND ELIXIR FORM. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,042. PUBLISHED MARCH 12, 1940. Class 6.

378,613. VITAMIN F CONCENTRATE IN CAPSULE AND OINTMENT FORM, USEFUL IN THE TREATMENT OF ASTHMA AND SKIN AFFECTIONS AND AS A DIETARY CORRECTIVE. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,043. PUBLISHED MARCH 12, 1940. Class 6.

378,614. CASTOR AND OLIVE OIL EMULSION USEFUL AS A LAXATIVE. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,044. PUBLISHED MARCH 12, 1940. Class 6.

378,615. PREPARATION IN TABLET FORM, USEFUL IN RESTORING SALTS LOST IN PERSPIRATION. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,045. PUBLISHED MARCH 12, 1940. Class 6.

378,616. RECONSTRUCTIVE TONIC AND NERVE STIMULANT IN ELIXIR FORM. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,046. PUBLISHED MARCH 12, 1940. Class 6.

378,617. MIXTURE OF CASTOR AND OLIVE OILS, IN CAPSULE AND EMULSION FORM, USEFUL IN THE TREATMENT OF IMPAIRED METABOLISM. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,048. PUBLISHED MARCH 26, 1940. Class 6.

378,618. PREPARATION IN TABLET AND ELIXIR FORM, USEFUL IN THE TREATMENT OF GALL BLADDER DISEASES. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,050. PUBLISHED MARCH 12, 1940. Class 6.

378,619. COUGH SYRUP. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1940. Serial No. 428,051. PUBLISHED MARCH 12, 1940. Class 6.

378,620. APPARATUS TO CONTAIN LIQUEFIED GAS AND DISPLAY ITS CHANGE FROM LIQUID TO GASEOUS STATE. THE REFINERY SUPPLY COMPANY, Tulsa, Okla.
Filed January 30, 1940. Serial No. 428,056. PUBLISHED APRIL 2, 1940. Class 26.

378,621. PERFUMES. LENTHERIC, INCORPORATED, New York, N. Y.
Filed January 31, 1940. Serial No. 428,080. PUBLISHED MARCH 12, 1940. Class 6.

378,622. PERFUMES. LENTHERIC, INCORPORATED, New York, N. Y.
Filed January 31, 1940. Serial No. 428,081. PUBLISHED MARCH 12, 1940. Class 6.

378,623. WINES. COMEX WINE & SPIRITS, INC., New York, N. Y.
Filed February 1, 1940. Serial No. 428,107. PUBLISHED APRIL 2, 1940. Class 47.

378,624. PREPARED LIQUID WAX. THE DAVIES-YOUNG SOAP COMPANY, Dayton, Ohio.
Filed February 1, 1940. Serial No. 428,109. PUBLISHED MARCH 26, 1940. Class 16.

378,625. PREPARATION FOR USE IN THE TREATMENT OF KIDNEY DISORDERS. JAMES LAWRENCE CO., INC., New York, N. Y.
Filed February 1, 1940. Serial No. 428,118. PUBLISHED MARCH 12, 1940. Class 6.

378,626. MATCHES, INCLUDING BOOK MATCHES. LION MATCH COMPANY, INC., New York, N. Y.
Filed February 1, 1940. Serial No. 428,119. PUBLISHED APRIL 2, 1940. Class 9.

378,627. VEGETABLE SUBSTITUTE FOR MEAT. SPECIAL FOODS, INC., Worthington, Ohio.
Filed February 1, 1940. Serial No. 428,136. PUBLISHED APRIL 2, 1940. Class 46.

378,628. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed February 2, 1940. Serial No. 428,172. PUBLISHED APRIL 2, 1940. Class 46.

378,629. FEMALE SEXUAL HORMONE. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed February 3, 1940. Serial No. 428,202. PUBLISHED MARCH 26, 1940. Class 6.

378,630. MALE SEXUAL HORMONE. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed February 3, 1940. Serial No. 428,203. PUBLISHED MARCH 26, 1940. Class 6.

378,631. CANDY. THE EUCLID CANDY COMPANY OF CALIFORNIA, INC., San Francisco, Calif.
Filed February 5, 1940. Serial No. 428,227. PUBLISHED APRIL 2, 1940. Class 46.

378,632. PREPARATION FOR BARBER'S ITCH, ATHLETE'S FOOT, RING-WORMS, CORNS, ITCHES, AND INFECTIONS. CHARLES E. GOULDING, JR., doing business as Selrahc Co., Tampa, Fla.
Filed February 5, 1940. Serial No. 428,232. PUBLISHED MARCH 19, 1940. Class 6.

378,633. REELS USED IN HANGING AND TIGHTENING CLOTHES LINES AND PULLEY BRACKETS THEREFOR. GEORGE L. HUNT, doing business as Crown Screw & Manufacturing Co., Chicago, Ill.
Filed February 5, 1940. Serial No. 428,234. PUBLISHED APRIL 2, 1940. Class 13.

378,634. MODEL AIRPLANES. AIR YOUTH OF AMERICA, INC., New York, N. Y.
Filed February 6, 1940. Serial No. 428,275. PUBLISHED APRIL 2, 1940. Class 22.

378,635. FOWL MEDICINE DESIGNED TO AID IN PREVENTING AND MITIGATING BLACKHEAD IN TURKEYS AND COCCIDIOSIS IN CHICKENS. J. L. HOFFMAN COMPANY, Allentown, Pa.
Filed February 6, 1940. Serial No. 428,286. PUBLISHED MARCH 19, 1940. Class 6.

378,636. VITAMIN AND MINERAL WAFERS. BURBOT LIVER PRODUCTS CO., Baudette, Minn.
Filed February 7, 1940. Serial No. 428,302. PUBLISHED MARCH 19, 1940. Class 6.

378,637. CAMERA CASES. RUKO COMPANY, New York, N. Y.
Filed February 7, 1940. Serial No. 428,332. PUBLISHED APRIL 2, 1940. Class 26.

378,638. LEAD STRUCTURAL STEEL PAINT, WALL PAINT, BARN PAINT, CEMENT FLOOR PAINT, EXTERIOR SPAR VARNISH, INTERIOR SPAR VARNISH, AND FLOOR VARNISH. WAMBLU CORPORATION, Rochester, N. Y.
Filed February 7, 1940. Serial No. 428,339. PUBLISHED APRIL 2, 1940. Class 16.

378,639. FABRICS HAVING INTERWOVEN ELASTIC THREADS. AUBURN FABRICS, INC., New York, N. Y.
Filed February 8, 1940. Serial No. 428,347. PUBLISHED APRIL 2, 1940. Class 42.

378,640. PROPHYLACTIC SHEATHS FOR THE PREVENTION OF CONTAGIOUS DISEASES. FRANK G. KARG, Chicago, Ill.
Filed February 8, 1940. Serial No. 428,357. PUBLISHED APRIL 2, 1940. Class 44.

378,641. CHEMICALS FOR RUST PREVENTION. ORION A. POTTS, doing business as Klean-It Company, Youngstown, Ohio.
Filed February 8, 1940. Serial No. 428,365. PUBLISHED MARCH 26, 1940. Class 6.

378,642. WETTING AGENTS FOR USE IN REDUCING THE FACIAL TENSION BETWEEN LIQUIDS AND SOLIDS OR BETWEEN TWO IMMISCIBLE LIQUIDS. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y.
Filed February 9, 1940. Serial No. 428,375. PUBLISHED MARCH 26, 1940. Class 6.

378,643. CLOSET BOWLS. CHICAGO POTTERY COMPANY, Chicago, Ill.
Filed February 9, 1940. Serial No. 428,380. PUBLISHED APRIL 2, 1940. Class 13.

378,644. GLASS FUNNELS FOR LABORATORY USE. KIMBLE GLASS COMPANY, Vineland, N. J.
Filed February 9, 1940. Serial No. 428,391. PUBLISHED APRIL 2, 1940. Class 26.

378,645. RESINOUS MEDIA FOR MOUNTING HISTOLOGICAL AND THE LIKE SECTIONS FOR MICROSCOPIC STUDY. THE NEVILLE COMPANY, Neville Island, Pittsburgh, Pa.
Filed February 9, 1940. Serial No. 428,403. PUBLISHED APRIL 2, 1940. Class 6.

378,646. ELECTROSENSITIVE AND/OR THERMOSENSITIVE RECORDING BLANKS. THE WESTERN UNION TELEGRAPH COMPANY, New York, N. Y.
Filed February 9, 1940. Serial No. 428,413. PUBLISHED APRIL 2, 1940. Class 26.

378,647. HAND AND MOTOR PROPELLED LAWN MOWERS. YARD-MAN, INC., Jackson, Mich.
Filed February 9, 1940. Serial No. 428,415. PUBLISHED APRIL 2, 1940. Class 23.

378,648. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 10, 1940. Serial No. 428,423. PUBLISHED APRIL 2, 1940. Class 42.

378,649. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 10, 1940. Serial No. 428,424. PUBLISHED APRIL 2, 1940. Class 42.

378,650. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 10, 1940. Serial No. 428,425. PUBLISHED APRIL 2, 1940. Class 42.

378,651. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 10, 1940. Serial No. 428,426. PUBLISHED APRIL 2, 1940. Class 42.

378,652. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 10, 1940. Serial No. 428,427. PUBLISHED APRIL 2, 1940. Class 42.

378,653. COTTON PIECE GOODS—TO WIT, CORDUROY. HOCKMEYER BROS. INC., Portland, Maine, and New York, N. Y.
Filed February 10, 1940. Serial No. 428,435. PUBLISHED APRIL 2, 1940. Class 42.

378,654. COIN OPERATED VENDING MACHINES. TRIMOUNT COIN MACHINE COMPANY, Boston, Mass.
Filed February 10, 1940. Serial No. 428,451. PUBLISHED APRIL 2, 1940. Class 23.

378,655. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed February 12, 1940. Serial No. 428,465. PUBLISHED MARCH 26, 1940. Class 6.

378,656. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed February 12, 1940. Serial No. 428,466. PUBLISHED MARCH 26, 1940. Class 6.

378,657. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed February 12, 1940. Serial No. 428,467. PUBLISHED MARCH 26, 1940. Class 6.

378,658. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed February 12, 1940. Serial No. 428,468. PUBLISHED MARCH 26, 1940. Class 6.

378,659. BLANKETS MADE OF COTTON, WOOL, OR SYNTHETIC FIBRE, AND ANY COMBINATION THEREOF. NASHUA MANUFACTURING COMPANY, Boston, Mass.
Filed February 15, 1940. Serial No. 428,585. PUBLISHED APRIL 2, 1940. Class 42.

378,660. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed February 15, 1940. Serial No. 428,593. PUBLISHED MARCH 26, 1940. Class 6.

378,661. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed February 15, 1940. Serial No. 428,594. PUBLISHED MARCH 26, 1940. Class 6.

378,662. WATER AND BRINE COOLING UNITS. CHRYSLER CORPORATION, Highland Park, Mich., and Dayton, Ohio.
Filed February 16, 1940. Serial No. 428,608. PUBLISHED APRIL 2, 1940. Class 31.

378,663. ENAMEL ADAPTED FOR COATING FINGER NAILS, AND LIPSTICKS. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed February 16, 1940. Serial No. 428,625. PUBLISHED APRIL 2, 1940. Class 6.

378,664. SILK, SATIN, RAYON, AND COTTON FABRICS, AND MIXTURES THEREOF, IN THE PIECE. COHN-HALL-MARX CO., New York, N. Y.
Filed February 17, 1940. Serial No. 428,641. PUBLISHED APRIL 2, 1940. Class 42.

378,665. PREPARATION FOR GENERAL TONIC BUILDER, ANEMIA, DEBILITY, CHLOROSIS, AND NEURASTHENIA. WEBB LABORATORIES, INC., Schenectady, N. Y.
Filed February 17, 1940. Serial No. 428,669. PUBLISHED APRIL 2, 1940. Class 6.

378,666. OIL FILTERS. PICK MANUFACTURING COMPANY, West Bend, Wis.
Filed February 19, 1940. Serial No. 428,702. PUBLISHED APRIL 2, 1940. Class 31.

378,667. BLANKETS MADE WHOLLY OF COTTON. BEACON MANUFACTURING COMPANY, Swannanoa, N. C.
Filed February 21, 1940. Serial No. 428,745. PUBLISHED APRIL 2, 1940. Class 42.

378,668. LIQUID TO LAY COAL DUST IN THE COAL INDUSTRY FOR PLANTS AND MINES. A. C. HORN COMPANY, Long Island City, N. Y.
Filed February 21, 1940. Serial No. 428,756. PUBLISHED APRIL 2, 1940. Class 6.

378,669. WHISKEY. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn.
Filed February 21, 1940. Serial No. 428,763. PUBLISHED APRIL 2, 1940. Class 49.

378,670. WHISKEY. OLDETYME DISTILLERS, INC., New York, N. Y.
Filed February 23, 1940. Serial No. 428,819. PUBLISHED APRIL 2, 1940. Class 49.

378,671. PRECIOUS METALS AND PRECIOUS METAL ALLOYS FOR USE IN DENTAL WORK. ROSS BATES & CO., INC., New York, N. Y.
Filed February 23, 1940. Serial No. 428,829. PUBLISHED APRIL 2, 1940. Class 44.

378,672. DRESS SHIELDS. RAND RUBBER COMPANY, Brooklyn, N. Y.
Filed February 24, 1940. Serial No. 428,885. PUBLISHED APRIL 2, 1940. Class 40.

378,673. MATTRESSES. NEW YORK MATTRESS COMPANY, Boston, Mass.
Filed February 27, 1940. Serial No. 428,966. PUBLISHED APRIL 2, 1940. Class 32

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

378,674. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BELOVE WATCH CASE CO., INC., New York, N. Y. Filed Feb. 10, 1937. Serial No. 388,701.

KEITH

For Watch Cases and Watch Dials.
Claims use since 1931.

378,675. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ELECTROL INCORPORATED, Clifton, N. J. Filed Aug. 11, 1938. Serial No. 409,462.

MASTER CONTROL

For Domestic Oil Burners and Air Conditioning Units.
Claims use since June 7, 1930.

378,676. (CLASS 37. PAPER AND STATIONERY.) JOEL HARTMAN, doing business as Woodland Paper Products, New York, N. Y. Filed Aug. 23, 1938. Serial No. 409,878.

All-Purpose

For Absorbent Tissue Paper.
Claims use since May, 1930.

378,677. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEDFORD PRODUCTS, Dunkirk, N. Y. Filed Feb. 23, 1939. Serial No. 416,307.

BEDFORD
BRAND

For Marmalade, Jellies, Jams, Fruit Preserves.
Claims use since May 1, 1933.

378,678. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE LAYNE & BOWLER COMPANY, Houston, Tex. Filed Mar. 11, 1939. Serial No. 416,962.

THE LAYNE

For Oil Field and Water Well Equipment—Namely, Wire Wrapped Milled Groove Screen, Wire Wrapped Plain Drilled Screen, Wire Wrapped Slotted Pipe Screen, Slotted Pipe Screen, Perforated Pipe, Lead Cone and Canvas Ratchet Packers, Double Seal Ratchet Packers, All Canvas Ratchet Packers, Canvas Mother Hubbard Packers, Canvas Open Hole Pin Packers, Canvas Pin Packers, Setting Tools, Lead Seals, Seamless Steel Set Shoes, Brass Back Pressure Valves, Cast Iron and Brass Guide Plugs, Wash Rings, and Setting Nipples.
Claims use since 1926.

378,679. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM J. BEER CO., INC., New York, N. Y. Filed Mar. 16, 1939. Serial No. 417,156.



For Sport Articles, Games, and Accessories—Namely, Skis, Ski Bindings, Ski Poles, and Skiing Accessories—Namely, Ski Wax, Ski Lacquer, Ski Scraper, Ski Skins, Ski Racks (to Carry Skis on a Car for Transportation), Ski Straps of Rubber (to Hold Skis Together), Ski Pole Discs, and Ski Edges; Golf Sticks, Golf Bags and Covers for Golf Sticks, Rackets of All Kinds, Balls of All Kinds; Archery Equipment, Such as Arrows, Armguards, Bows, Darts, and Dart Boards; Targets of All Kinds; Shuttlecocks, Nets, and Posts; Table Tennis Games, a Composition Game for Children, and Anagram Games.
Claims use since Feb. 8, 1939.

378,680. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn. Filed Apr. 1, 1939. Serial No. 417,779.

NOTMEAT

For a Canned Protein Food, Used as a Substitute for Meat, Made from Peanuts.
Claims use since Mar. 8, 1939.

378,681. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) STERILSEAT CORPORATION, Wilmington, Del. Filed Apr. 19, 1939. Serial No. 418,453.

STERILSEAT

For Toilet Seats.
Claims use since November, 1938.

378,682. (CLASS 12. CONSTRUCTION MATERIALS.) DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash.: Washington, D. C.; New York, N. Y.; and El Monte, Calif. Filed Apr. 15, 1939. Under the act of March 19, 1920, as amended June 10, 1938. Serial No. 418,504.

dri-bilt WITH PLYWOOD

For Douglas Fir Plywood.
Claims use since Mar. 20, 1939.

378,683. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HENRY KELLY & SONS, INC., New York, N. Y. Filed May 4, 1939. Serial No. 419,077.

Shelby's

For Whiskey.
Claims use since Apr. 20, 1939.

378,684. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SENECA TEXTILE CORPORATION, New York, N. Y. Filed May 6, 1939. Serial No. 419,160.

CUT "N" HANG

For Cotton, Rayon, Acetate, and/or Silk Piece Goods.
Claims use since Apr. 12, 1939.

378,685. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) STOK-A-FIRE COMPANY, INC., University City, Mo. Filed May 24, 1939. Serial No. 419,777.

STOK-A-FURNACE

For Coal Furnaces.
Claims use since Apr. 15, 1939.

378,686. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D'ARRIGO BROS. COMPANY, San Jose, Calif. Filed June 10, 1939. Serial No. 420,361.

GREEN P

For Fresh Vegetables—Namely, Fresh Peas.
Claims use since Apr. 20, 1939.

378,687. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STEYR-DAIMLER-PUCH AKTIENGESELLSCHAFT, Steyr, Oberdonau, Germany. Filed July 13, 1939. Serial No. 421,546.

STEYR

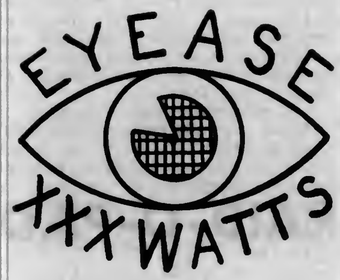
For Parts Used in the Construction or Repair of Automobiles—Namely, Combustion Engines, Gears, Shafts.
Claims use since Feb. 5, 1930.

378,688. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STRAUSS STORES CORP., Maspeth, Long Island, N. Y. Filed July 14, 1939. Serial No. 421,586.

DUVAL

For Spark Plugs.
Claims use since May, 1936.

378,689. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WARREN LAMP COMPANY, Warren, Pa. Filed Aug. 7, 1939. Serial No. 422,388.



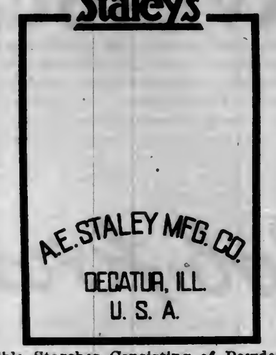
For Electric Incandescent Lamps.
Claims use since Apr. 1, 1939.

378,690. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) STAR EXPANSION BOLT COMPANY, New York, N. Y. Filed Aug. 31, 1939. Serial No. 423,180.

STAZIN

For Expansion Shields.
Claims use since Jan. 31, 1939.

378,691. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Sept. 13, 1939. Serial No. 423,586.



For Edible Starches Consisting of Powdered Starches and Confectioners' Thin Boiling Starches and Soy Bean Oil Meal Useful as an Ingredient for Food and as a Cattle Feed.
Claims use since 1912.

378,692. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PHILIP M. MCKENNA, doing business as McKenna Metals Company, Latrobe, Pa. Filed Nov. 24, 1939. Serial No. 425,923.

KENNAMETAL

For Wear-Resisting Pieces Consisting of Cemented Hard Metallic Compositions—Namely, Inserts to be Used in Dies and Tools for Working, Cutting or Shaping Metal and Other Materials, in Lathe-Centers, in Bearing-Surface and Wearing-Surface Parts, in Pump-Valves and Parts Thereof, and the Like, and Dies, Cutting Tools, Lathe-Centers, Bearing-Surface and Wearing Surface Parts, Pump-Valves and the Like, Which Embody Such Wear-Resisting Pieces.
Claims use since May 26, 1938.

378,693. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHESTER L. THOMAS, doing business as Thomas Quilt Factories, Denver, Colo. Filed Dec. 9, 1939. Serial No. 426,419.

FETH-R-QUILT

For Quilts, Pads for Beds, Cots, Couches, Davenports, Cribs, Chairs, and Seats.
Claims use since Feb. 1, 1939.

378,694. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FRANK SOLAR, doing business as Solar Film Co., Chicago, Ill. Filed Dec. 13, 1939. Serial No. 426,511.

SOLAR

For Photographic Film in Roll and Other Form.
Claims use since Apr. 10, 1939.

378,695. (CLASS 12. CONSTRUCTION MATERIALS.) SECORE COMPANY, LTD., Cleveland, Ohio. Filed Jan. 23, 1940. Serial No. 427,775.

LAVAROCK

For a Plastic Flooring Material of the Mastic Asphalt Type Used Primarily for Making Sidewalks, Stairtreads, Ramps, Driveways and Similar Traffic Surfaces.
Claims use since Feb. 10, 1936.

378,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN STORES COMPANY, also doing business as Acme Markets, Philadelphia, Pa. Filed Feb. 5, 1940. Serial No. 428,218.

Rob-Ford

For Canned and Dried Fruits and Vegetables—Namely, Dried Apricots, Dried Peaches, Dried Prunes, Canned Peaches and Cherries, Canned Asparagus, Peas, String Beans and Sweet Corn, Fruit and Berry Preserves, and Corn Starch.
Claims use since 1910.

378,697. (CLASS 37. PAPER AND STATIONERY.) BLISS DISPLAY CORPORATION, New York, N. Y. Filed Feb. 10, 1940. Serial No. 428,420.

NoSeam

For Decorative Paper.
Claims use since Aug. 9, 1938.

378,698. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH A. LAURY, Syracuse, N. Y. Filed Feb. 12, 1940. Serial No. 428,489.

NOYON

For Preparation for Use for Falling Hair, Dandruff, and Scalp Irritations.
Claims use since July 26, 1937.

378,699. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CARL E. HEIL, doing business as Heil and Company, Cleveland, Ohio. Filed Feb. 29, 1940. Serial No. 429,051.

SAWTOOTH

For Anodes Used in Electrolytic Work.
Claims use since June 21, 1937.

378,700. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Filed Mar. 22, 1940. Serial No. 429,837.

Manley

For Hoists and Parts Thereof, Trolleys for Traveling Hoists, Winches, Chain Sheaves, Cranes, Vises, Automobile Lifts, Automobile Elevators, Automobile Wrecking Cranes, Rest Pads for Wrecking Cranes, Air Compressors and Parts Thereof, Automobile Washing Machines, Automobile Supporting Trestles, Air Stations for Inflating Vehicle Tires, Brake Drum Truing Machines, Machines for Unloading Automobiles From Freight Cars, Stands for Supporting Automobiles for Display Purposes, Hydraulic Presses, Screw Presses, Lubricating Devices in the Nature of Various Pressure Grease Guns and Fittings for Vehicles and Machinery Lubrication, Lifting Jacks, Riveting Machines, Portable and Adjustable Motor Stands for Holding and Handling Internal Combustion and Other Motors Conveniently During Repair, Pumps, Portable Work Benches, Paint Spraying Apparatus Comprising Spray Air Purifier, Gauge, Regulator and Hose With Connections; Tire Chain Repair Equipment, Tire Changing Apparatus, Tire Spreaders, Tire Tools, Towing and Lifting Cradles, Chocks for Automobile Lifts.

Claims use on the various goods since the following dates: Hoists and parts thereof, since the year 1925; trolleys for traveling hoists, since the year 1925; winches, since Jan. 7, 1927; chain sheaves, since the year 1921; cranes, since July 15, 1921; vises, since July 15, 1921; automobile lifts, since Sept. 27, 1927; automobile elevators, since the year 1929; automobile wrecking cranes, since July 15, 1921; rest pads for wrecking cranes, since the year 1935; air compressors and parts thereof, since Jan. 28, 1931; automobile washing machines, since Dec. 3, 1926; automobile supporting trestles, since July 15, 1929; air stations for inflating vehicle tires, since the year 1924; brake drum truing machines, since June 4, 1931; machines for unloading automobiles from freight cars, since Oct. 11, 1929; stands for supporting automobiles for display purposes, since Apr. 12, 1929; hydraulic presses, since Dec. 8, 1926; screw presses, since July 15, 1921; lubricating devices in the nature of various pressure grease guns and fittings for vehicles and machinery lubrication, since the year 1935; lifting jacks, since July 15, 1921; riveting machines, since July 6, 1926; portable and adjustable motor stands for holding and handling internal combustion and other motors conveniently during repair, since July 15, 1921; pumps, since the year 1930; portable work benches, since July 15, 1921; paint spraying apparatus comprising spray air purifiers, gauge, regulator and hose with connections, since January 28, 1931; tire chain repair equipment, since Nov. 15, 1927; tire changing apparatus, since the year 1924; tire spreaders, since the year 1926; tire tools, since the year 1924; towing and lifting cradles, since July 15, 1921; chocks for automobile lifts, since the year 1929.

378,701. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMERICAN STEEL WOOL MFG. CO. INC., Long Island City, N. Y. Filed Mar. 23, 1940. Serial No. 429,891.

BRAID-O-PAD

For Steel Wool Pads.
Claims use since Jan. 1, 1939.

378,702. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE WAYSIDE GARDENS CO., Mentor, Ohio. Filed Mar. 26, 1940. Serial No. 430,004.

ROOT STRENGTH

For Plants and Bulbs.
Claims use since Jan. 1, 1934.

378,703. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ESTATE OF OTTO TIMME, DECEASED, doing business as E. F. Timme & Son, New York, N. Y. Filed Apr. 4, 1940. Serial No. 430,351.

BEHRING KURL

For Pile Fabrics in the Piece of Cotton Base and Animal Fibre Pile.
Claims use since Jan. 3, 1939.

TRADE-MARK REGISTRATIONS RENEWED

18,000. **HECKER'S.** BUCKWHEAT-FLOUR. Registered June 3, 1890. THE ESTATE OF GEORGE V. HECKER. Re-renewed June 3, 1940, to Hecker Products Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

128,136. **MORGAN.** DOORS, SASH, AND MILLWORK. Registered December 23, 1919. MORGAN COMPANY. Renewed December 23, 1939, to Morgan Company of Wisconsin, Oshkosh, Wis., a corporation of Wisconsin, by change of name.

128,930. **B ETC.** LOCKS. Registered January 20, 1920. JOSEPH GEORGE BEDDOES. Renewed January 20, 1940, to J. G. Beddoes Ltd., Birmingham, England, an organized company of Great Britain, successor.

130,487. **HOLLOW BALANCED.** HOLLOW BALANCED BALLS OF BRASS OR OTHER METAL. Registered April 27, 1920. DRAPER MANUFACTURING COMPANY, Port Huron, Mich., a corporation of Michigan. Renewed April 27, 1940.

130,552. **MORGANMADE.** AUTOMOBILE SPECIALTIES. Registered April 27, 1920. THE MORGAN MANUFACTURING CO., INC., Keene, N. H. Renewed April 27, 1940, to Screw Machine Products Company, Inc., Providence, R. I., a corporation of Rhode Island, successor.

130,608. **BELLE STAR.** ROPE, CORD, AND TWINE MANUFACTURED FROM VEGETABLE FIBER. Registered May 4, 1920. AMERICAN MANUFACTURING COMPANY, Boston, Mass., and Brooklyn, N. Y. Renewed May 4, 1940, to American Manufacturing Company, Brooklyn, N. Y., a corporation of Massachusetts.

130,684. **EARLY WONDER.** SEED-CORN, GRASS-SEEDS, AND FIELD-SEEDS. Registered May 4, 1920. HORACE E. CONKLIN, Binghamton, N. Y. Renewed May 4, 1940, to Craver-Dickinson Seed Company, Buffalo, N. Y., a corporation of New York, assignee.

130,743. **HALLER'S FAMILY.** BREAD. Registered May 4, 1920. HALLER BAKING COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed May 4, 1940.

131,019. **FENETTE.** CORSETS. Registered May 4, 1920. AMERICAN LADY CORSET COMPANY, Detroit, Mich., a corporation of Michigan. Renewed May 4, 1940.

131,132. **HALLER'S DUTCH BAKER BOY.** BREAD, CAKES, AND PASTRY. Registered May 4, 1920. HALLER BAKING COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed May 4, 1940.

131,183. **RAINIER.** MALT-SYRUP FOR BAKING PURPOSES. Registered May 4, 1920. OSCAR E. MAURER. Renewed May 4, 1940, to Rainier Brewing Company, San Francisco, Calif., a corporation of California, successor.

131,184. **MARQUETAND'S.** CANDY. Registered May 4, 1920. THEODORE MARQUETAND, Philadelphia, Pa. Renewed May 4, 1940.

131,534. **LOPULCO.** ENGINES, LOCOMOTIVES, AND THEIR PARTS, MOTORS, MACHINES, FUEL-CONTAINERS FOR SAID ENGINES, LOCOMOTIVES, AND MOTORS. Registered May 18, 1920. LOCOMOTIVE PULVERIZED FUEL COMPANY. Renewed May 18, 1940, to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware, successor.

131,679. **BESMAID.** NON-ALCOHOLIC NON-CEREAL MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS FOR MAKING THE SAME. Registered May 18, 1920. WORLD BOTTLING CO., LTD., New Orleans, La., a corporation of Louisiana. Renewed May 18, 1940.

131,854. **TITANINE.** A VARNISH PREPARATION FOR PRESERVING, WATERPROOFING, AND COLORING TEXTILE FABRICS, LEATHER, AND THE LIKE. Registered May 25, 1920. TITANINE, INC., New York, N. Y. Renewed May 25, 1940, to Titanine, Inc., Union (Union Co.), New Jersey, a corporation of New York.

132,505. **IMMAC.** A PREPARATION USED AS A DEODORANT AND A RELIEF FOR EXCESSIVE PERSPIRATION. Registered June 22, 1920. ROLLA CECIL LAWRY, St. Louis, Mo. Renewed June 22, 1940, to Mystic Laboratories, Inc., Jersey City, N. J., a corporation of Delaware, assignee by mesne assignments.

132,593. **SERVALAC.** LACQUER FOR FURNITURE AND HOUSEHOLD GOODS. Registered June 22, 1920. C. A. WILLEY COMPANY, Long Island City, N. Y., a corporation of New York. Renewed June 22, 1940.

132,800. **MIA.** FACE-POWDER AND ROUGES. Registered June 29, 1920. JULIUS SCHMID, INCORPORATED, New York, N. Y. Renewed June 29, 1940, to E. Irene Lisner, Bronxville, N. Y., assignee by mesne assignments.

132,978. **REPRESENTATION OF A STAR.** SHAVING-BRUSHES. Registered July 6, 1920. KAMPFE BROS. Renewed July 6, 1940, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia, assignee.

134,105. **T T.** CERTAIN NAMED JEWELRY. Registered August 10, 1920. THE TRAUB MANUFACTURING COMPANY, Detroit, Mich., a corporation of Michigan. Renewed August 10, 1940.

134,226. **NASSAU.** TEA. Registered August 24, 1920. CHASE & SANBORN, Boston, Mass. Renewed August 24, 1940, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

134,347. **ROYAL GEM.** TEA. Registered August 31, 1920. CHASE & SANBORN, Boston, Mass. Renewed August 31, 1940, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

134,365. **GEM.** SHAVING-BRUSHES. Registered August 31, 1920. GEM SAFETY RAZOR CORPORATION. Renewed August 31, 1940, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia, assignee.

135,380. **HAYDITE.** AGGREGATE FOR USE IN PREPARING CONCRETE. Registered October 12, 1920. AMERICAN AGGREGATE COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed October 12, 1940.

135,392. **CHAMPION.** VETERINARY NEEDLES AND VETERINARY SYRINGES, PILL-INJECTORS, MILKING-TUBES, TEAT-DILATING TUBES, AND CLINICAL THERMOMETERS. Registered October 12, 1920. BECTON, DICKINSON & Co., Rutherford, N. J., a corporation of New Jersey. Renewed October 12, 1940.

135,639. **ST. ANDREWS.** CERTAIN NAMED CLOTHING. Registered October 19, 1920. COHEN, GOLDMAN & Co., INC., New York, N. Y., a corporation of New York. Renewed October 19, 1940.

135,700. **BAY SEAL.** FUR-SKINS. Registered October 19, 1920. A. HOLLANDER & SON, INC., Newark, N. J., a corporation of New Jersey. Renewed October 19, 1940.

135,765. **CREPE LOUVETTE.** COTTON PIECE AND COTTON DRESS GOODS. Registered October 19, 1920. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed October 19, 1940, to Pacific Mills, Boston, Mass., a corporation of Massachusetts.

135,784. **LAVENDER LABEL.** KNITTED AND TEXTILE UNDERWEAR AND HOSIERY. Registered October 19, 1920. ROBERT REIS & Co., New York, N. Y., a corporation of New York. Renewed October 19, 1940.

135,913. **BEAUTEX.** CERTAIN NAMED CLOTHING. Registered October 26, 1920. BEAUMONT DRY GOODS & NOTION CO., Beaumont, Tex., a corporation of Texas. Renewed October 26, 1940.

135,991. **FERGUSON ETC.** PLANS AND SPECIFICATIONS. Registered October 26, 1920. THE H. K. FERGUSON COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed October 26, 1940.

136,000. FYNO. SOAP FOR PERSONAL USE AND LAUNDRY PURPOSES. Registered October 26, 1920. E. FOUGERA & Co., INC., New York, N. Y., a corporation of New York. Renewed October 26, 1940.

136,114. NAROTEX. CERTAIN NAMED NOTIONS AND FANCY GOODS. Registered October 26, 1920. THE NARROW FABRIC Co., Wyomissing Borough, Pa. Renewed October 26, 1940, to The Narrow Fabric Company, Reading, Pa., a corporation of Pennsylvania.

LABELS

REGISTERED JUNE 11, 1940

54,912.—*Title:* KRAK-O-LETS. For Wheat Chips. MILDRED ALDEN, Los Angeles, Calif. Published October 15, 1939.

54,913.—*Title:* AUSTEMPERING. For Steel. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, doing business as American Steel & Wire Company, Cleveland, Ohio. Published September 18, 1939.

54,914.—*Title:* HOME-STYLE. For Bread. C. O. BECK, Dallas, Tex. Published May 3, 1940.

54,915.—*Title:* FINEST QUALITY DRESS SHOE LACES. For Shoe Laces. BILTMORE TEXTILE COMPANY, INC., Providence, R. I. Published April 4, 1940.

54,916.—*Title:* KING OF KENTUCKY. For Whiskey. BROWN-FORMAN DISTILLERY COMPANY, Louisville, Ky. Published June 19, 1937.

54,917.—*Title:* OLD TUCKER. For Whiskey. BROWN-FORMAN DISTILLERY COMPANY, Louisville, Ky. Published June 19, 1937.

54,918.—*Title:* POPPY BRAND GENUINE CHINESE PLAIN NOODLES. For Chinese Noodles. CANTON NOODLE FACTORY, San Francisco, Calif. Published April 1, 1940.

54,919.—*Title:* THE FAREWELL SPEECH OF FORMER KING EDWARD VIII. For an Electrical Recording. CENTER MUSIC STORES, INC., New York, N. Y. Published April 22, 1937.

54,920.—*Title:* PROTECTION DURABILITY. For Locks. CHICAGO LOCK COMPANY, Chicago, Ill. Published March 18, 1940.

54,921.—*Title:* CLAIROLITE BRILLIANTINE LIGHTENER. For Brilliantine and Lightener for the Hair. CLAIROL, INC., New York, N. Y. Published March 20, 1940.

54,922.—*Title:* KRONBORG TAFFEL AKVAVIT. For Taffel Akvavit (a Spirit Containing Caraway and Other Flavors). CORYDON & OHLRICH, INC., Chicago, Ill. Published March 19, 1940.

54,923.—*Title:* DAVOL "ANTI-COLIC" NIPPLES. For Nipples. DAVOL RUBBER COMPANY, Providence, R. I. Published October 15, 1939.

54,924.—*Title:* ARONA. For Italian Cigars. T. DI PASCALE, Detroit, Mich. Published January 30, 1940.

54,925.—*Title:* SOILAX. For a Cleaner and Water Softener. ECONOMICS LABORATORY, INCORPORATED, St. Paul, Minn. Published November 20, 1939.

54,926.—*Title:* F B EXTRA PALE. For Beer. FREDERICK BROS. INC., Chicago, Ill. Published August 15, 1939.

54,927.—*Title:* BETAFERRUM TABLETS. For Hematinic Combined with Vitamin B_1 in Tablet Form. HART DRUG CORPORATION, Miami, Fla. Published February 2, 1940.

54,928.—*Title:* ELIXIR BETAFERRUM. For a Hematinic Combined with Vitamin B_1 in Elixir Form. HART DRUG CORPORATION, Miami, Fla. Published April 16, 1940.

54,929.—*Title:* ISO-EFEMIST. For an Isotonic Ephedrine Solution. HART DRUG CORPORATION, Miami, Fla. Published April 8, 1940.

54,930.—*Title:* ISO-EFEMIST. For an Isotonic Ephedrine Solution. HART DRUG CORPORATION, Miami, Fla. Published March 9, 1940.

54,931.—*Title:* ISO-EFEMIST. For an Isotonic Ephedrine Solution. HART DRUG CORPORATION, Miami, Fla. Published March 1, 1940.

54,932.—*Title:* GOLDEN LEAF. For Beer. G. HEILEMAN BREWING CO., La Crosse, Wis. Published April 15, 1940.

54,933.—*Title:* FINE STOCKINGS BY HOLEPROOF. For Stockings. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Published May 3, 1940.

54,934.—*Title:* KAMM'S PILSENER LIGHT. For Pilsener Beer. KAMM & SCHELLINGER COMPANY, INC., Mishawaka, Ind. Published May 15, 1940.

54,935.—*Title:* KROGER'S COUNTRY CLUB QUALITY BRAND CAKE FLOUR. For Cake Flour. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published May 15, 1940.

54,936.—*Title:* PROFESSIONAL TWISSORS THE SCISSOR HANDLE TWEEZERS FOR REMOVING SUPERFLUOUS HAIR. For Tweezers for Removing Superfluous Hair. THE KURLASH COMPANY, INC., Rochester, N. Y. Published April 1, 1940.

54,937.—*Title:* SCOTCH SOAP. For Granulated Soap. LOS ANGELES SOAP CO., doing business as White King Soap Co., Los Angeles, Calif. Published April 1, 1940.

54,938.—*Title:* MACDONALD'S CHOPPED MIXED VEGETABLES FOR DOGS, CATS AND PUPPIES. For Chopped Mixed Vegetables for Dogs, Cats and Puppies. ROSE MACDONALD, doing business as R. M. Packing Co., Jamaica, N. Y. Published May 7, 1940.

54,939.—*Title:* STUART MACGREGOR'S LOCH LOMOND. For Scotch Whiskey. STUART MACGREGOR & CO., Glasgow, Scotland. Published October 28, 1939.

54,940.—*Title:* BURIED TREASURE MIXTURE. For Assorted Coins of the World. H. E. MACINTOSH, doing business as Tatham Stamp & Coin Co., Springfield, Mass. Published January 1, 1940.

54,941.—*Title:* WORLD PARADE COIN COLLECTION. For Twenty Different Uncirculated Coins from Twenty Different Countries. H. E. MACINTOSH, doing business as Tatham Stamp & Coin Co., Springfield, Mass. Published January 1, 1940.

54,942.—*Title:* STATE OF MAINE MOTOR OILS. For Motor Oil. MAINE PETROLEUM SERVICE COMPANY, Bath and Woolwich, Maine. Published February 17, 1940.

54,943.—*Title:* VALLEY PRIME. For Canned Large Sweet Peas. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Published August 2, 1939.

54,944.—*Title:* GATE POST. For Cigars. MIREX CIGAR CO. INC., Peoria, Ill. Published January 15, 1940.

54,945.—*Title:* VEGE-SAL. For a Table Seasoning Salt Flavored with Raw Dehydrated Vegetables. MODERN DIET PRODUCTS, INC., Milwaukee, Wis. Published January 23, 1940.

54,946.—*Title:* ABBA DABBA. For a Water Softener. HUGH N. MOONEY, doing business as Abbadaba Patrick Co., Chicago, Ill. Published April 25, 1940.

54,947.—*Title:* G. For Paper Rolls. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Published May 17, 1940.

54,948.—*Title:* RAA. For Paper Rolls. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Published May 17, 1940.

54,949.—*Title:* NORAMIN 12, A DIETARY SUPPLEMENT. For a Dietary Supplement Consisting of Capsules Containing 5 Vitamins and Wafers Containing Compounds Providing 7 Minerals. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Published March 25, 1940.

54,950.—*Title:* BLARNEY STONES. For a Game. PARKER BROTHERS INC., Salem, Mass. Published May 10, 1940.

54,951.—*Title:* PEL-FREEZ. For Quick Frozen California Domestic Rabbit. H. F. PELPHREY & SON, Los Angeles, Calif. Published October 27, 1939.

54,952.—*Title:* AUNT DINAH. For Molasses. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published May 14, 1940.

54,953.—*Title:* KOOL-AID. For Bubble Gum. PERKINS PRODUCTS COMPANY, Clearing Station, Chicago, Ill. Published March 12, 1940.

54,954.—*Title:* KOOL-AID. For Cream Soda. PERKINS PRODUCTS COMPANY, Clearing Station, Chicago, Ill. Published April 6, 1940.

54,955.—*Title:* QUAKER PUFFED RICE. For Breakfast Cereal. THE QUAKER OATS COMPANY, Chicago, Ill. Published March 25, 1940.

54,956.—*Title:* QUAKER PUFFED WHEAT. For Breakfast Cereal. THE QUAKER OATS COMPANY, Chicago, Ill. Published March 25, 1940.

54,957.—*Title:* ALPHA-BETA WORD GAME. For a Word Game. CHAS. K. RAMOND, New Orleans, La. Published April 29, 1940.

54,958.—*Title:* ROYAL QUALITY. For Hosiery. ROYAL QUALITY HOSIERY CO., Chicago, Ill. Published April 9, 1940.

54,959.—*Title:* OVEN GOLD. For Bread. SANIWAX PAPER CO., Kalamazoo, Mich. Published March 4, 1940.

54,960.—*Title:* "MY CHILDREN NEED THAT EXTRA NUTRITION". For Bread. W. G. SCHOLTS, Los Angeles, Calif. Published March 25, 1940.

54,961.—*Title:* ACO-GEL. For Medicinal Compound for the Treatment of Colds. SEMS COMPANY, INCORPORATED, Stamford, Conn. Published December 5, 1939.

54,962.—*Title:* COWLEY'S RAT AND MOUSE EXTERMINATOR. For a Solution Used as a Rat and Mouse Exterminator. SIMPSON LAMAR COWLEY, Hugo, Okla. Published April 20, 1940.

54,963.—*Title:* SMUCKER'S OLD FASHIONED STRAWBERRY PRESERVES. For Strawberry Preserves. THE J. M. SMUCKER CO., Orrville, Ohio. Published May 10, 1940.

54,964.—*Title:* STORZ GOLD CREST. For Beer. STORZ BREWING COMPANY, Omaha, Nebr. Published January 27, 1940.

54,965.—*Title:* SWANN BRAND APPLE JUICE. For Apple Juice. SWANN FARMS, Dandridge, Tenn. Published March 16, 1940.

54,966.—*Title:* MOUNT VERNON. For Coffee. THOMAS J. WEBB COMPANY, Chicago, Ill. Published May 3, 1940.

54,967.—*Title:* TEX. For Facial Cream. LLEWELLYN HAMILTON WISE, doing business as L. H. Wise Laboratories, Cincinnati, Ohio. Published November 9, 1938.

54,968.—*Title:* TOP-POT. For a Game. ABE ZIMBAL, Rome, N. Y. Published April 20, 1940.

PRINTS

REGISTERED JUNE 11, 1940

18,012.—*Title:* THE OUTSTANDING 7 LITE LAMP OF THE YEAR. For Floor Lamps. ATLAS NOVELTY COMPANY, Chicago, Ill. Published May 14, 1940.

18,013.—*Title:* BRANDT BILTMORE. For Braces. IRVING BRANDT & CO., Chicago, Ill. Published January 10, 1940.

18,014.—*Title:* GOOD POSTURE IS NATURE'S RULE ONLY WE HUMANS IGNORE IT. For Supports for Better Posture and Better Appearance. S. H. CAMP & COMPANY, Jackson, Mich. Published April 2, 1940.

18,015.—*Title:* CAMP NATIONAL POSTURE WEEK—MAY 6TH–11TH. For Supports for Better Posture and Better Appearance. S. H. CAMP & COMPANY, Jackson, Mich. Published May 5, 1940.

18,016.—*Title:* CAMP NATIONAL POSTURE WEEK, MAY 6TH–11TH. For Supports for Better Posture and Better Appearance. S. H. CAMP & COMPANY, Jackson, Mich. Published May 6, 1940.

18,017.—*Title:* KEEP YOUR HAIR AT ITS COLORFUL BEST. For a Vegetable Oil Shampoo. CLAIROL, INC., New York, N. Y. Published March 5, 1940.

18,018.—*Title:* THINK OF YOUR HAIR—REPRODUCTIONS OF TRUE UNRETOUCHED PHOTOGRAPHS FROM CASE HISTORIES OF CLAIROL, INC. For a Vegetable Oil Shampoo. CLAIROL, INC., New York, N. Y. Published March 5, 1940.

18,019.—*Title:* SHE'LL COOK IN IT JOYFULLY SHE'LL SERVE IN IT SMARTLY. For Aluminum Waterless Cookware. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill. Published May 10, 1940.

18,020.—*Title:* SWITCH TO OLD SWITCH. For Whiskey. CONSOLIDATED ASSOCIATES, INC., Chicago, Ill. Published May 8, 1940.

18,021.—*Title:* WHAT SHOULD OUR FARM MARKETING POLICY BE? For Grocery Order Lists. ELMER EDGAR DE FOREST, Susanville, Calif. Published March 13, 1940.

18,022.—*Title:* LITTLE HAMMIES. For Ground, Smoked and Cured Ham Made in Links and Patties. WILLIAM J. GAMBRELL, San Marino, Calif. Published April 4, 1940.

18,023.—*Title:* IT'S POLICED FOR FRESHNESS. For Bread. GEORGE N. GRAF, doing business as George N. Graf Company, New York, N. Y. Published January 2, 1940.

18,024.—*Title:* A PERFECT SCORE. For Ale and Beer. HAMPDEN BREWING COMPANY, Willimansett, Mass. Published April 8, 1940.

18,025.—*Title:* ADD + A + PLACE. For Dinnerware. THE HOMER LAUGHLIN CHINA COMPANY, Newell, W. Va. Published April 26, 1940.

18,026.—*Title:* IT'S SMART TO START WITH A JANTZEN FOUNDATION. For Foundation Garments. JANTZEN KNITTING MILLS, Portland, Oreg. Published January 29, 1940.

18,027.—*Title:* HER EYES WILL LINGER LONGEST ON THE GIFTS SHE'LL ALWAYS USE. For a Hospitality Set Consisting of a Walnut Tray, Four Lap Trays, Crystal Dishes, Toast-Trimmer and Automatic Toaster and for a Waffle Service Consisting of a Waffle Baker, Syrup Jug, Batter Bowl, Ladle and Walnut Tray. MCGRAW ELECTRIC COMPANY, Elgin, Ill. Published May 6, 1940.

18,028.—*Title:* ENGINEERED MOTOR RERINGING. For Piston Rings. MCQUAY-NORRIS MANUFACTURING COMPANY, St. Louis, Mo. Published April 23, 1940.

18,029.—*Title:* GLOSSTEX. For Temple Coverings for Spectacles. NOS-EASE COMPANY, New York, N. Y. Published April 4, 1940.

18,030.—*Title:* THIS IS A BLUE RIBBON COUNTRY. For Beer. PABST BREWING COMPANY, Peoria Heights, Ill. Published May 7, 1940.

18,031.—*Title:* BUY JEWELRY FROM YOUR JEWELER. THE MAN WHO KNOWS JEWELRY. For Jewelry. HENRY PAULSON, doing business as Henry Paulson & Co., Chicago, Ill. Published February 1, 1940.

18,032.—*Title:* KOOL-AID. For a Base for Desserts and Soft Drinks. PERKINS PRODUCTS COMPANY, Chicago, Ill. Published February 26, 1939.

18,033.—*Title:* SCHAEFER EXPRESS. For Beer. THE F. & M. SCHAEFER BREWING CO., Brooklyn, N. Y. Published May 6, 1940.

18,034.—*Title:* COLORFROST BY BELFORD. For Frosted, Colored, Glassware. CLEFFORD F. SNODGRASS, doing business as Belford Studios, Pasadena, Calif. Published March 15, 1940.

18,035.—*Title:* ALL AMERICAN NAVY BEST BY TEST SPECIFICATION HANDKERCHIEFS. For Handkerchiefs. SOUTHERN HANDKERCHIEF MFG CO., Greenville, S. C. Published May 6, 1940.

18,036.—*Title:* TENDERET FILLED STEAK. For Meat. TENDERET CORPORATION, Chicago, Ill. Published Marth 22, 1940.

18,037.—*Title:* WASH AND SHINE FOR NINETY-NINE. For a Liquid Polish That Washes and Polishes in One Application. WALLACE & COMPANY, Milwaukee, Wis. Published March 15, 1940.

18,038.—*Title:* WILLARD SPARK PLUGS. For Automobile Spark Plugs. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio. Published May 17, 1940.

18,039.—*Title:* IT'S A FOOD NOT A FAD. For a Drink. WORLD BOTTLING CO., LTD., New Orleans, La. Published January 10, 1940.

REISSUES

JUNE 11, 1940

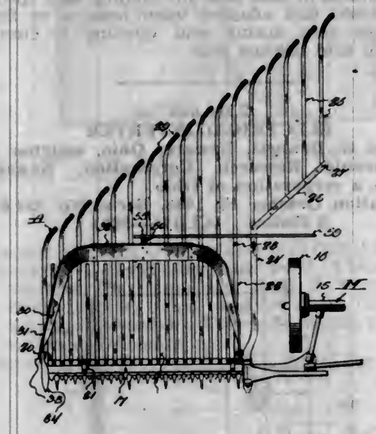
21,481

ATTACHMENT FOR MOWING MACHINES

William Gaterman, Manitowoc, Wis.

Original No. 2,121,428, dated June 21, 1938, Serial No. 135,715, April 8, 1937. Application for reissue December 31, 1938, Serial No. 248,910

14 Claims. (Cl. 56—205)



1. The combination with a mowing machine having a finger-bar, of a windrowing attachment therefor including a plurality of spaced parallel slats extending in rear of the finger-bar, said slats progressively increasing in length toward the inner end of the finger-bar and having upwardly and laterally curved guide portions on their rear ends, at least a portion of said slats being movable in a horizontal plane, and auxiliary slats rockably mounted between the first mentioned slats for movement both in a horizontal and in a vertical plane.

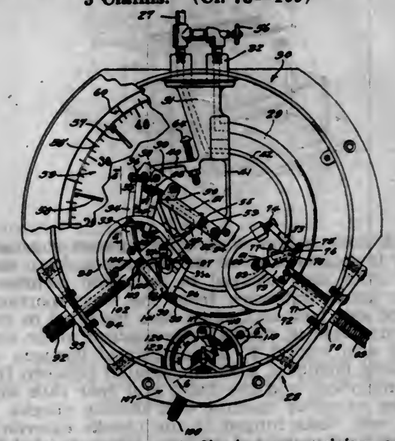
21,482

MULTIPLE DRILLING GAUGE

Walter R. Martin, Long Beach, Calif.

Original No. 2,128,833, dated August 30, 1938, Serial No. 731,850, June 22, 1934. Application for reissue April 27, 1939, Serial No. 270,460

5 Claims. (Cl. 73—109)

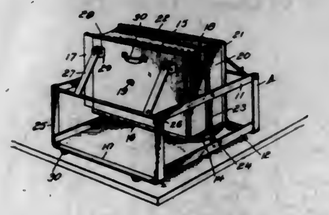


1. A fluid pressure indicator comprising a fitting, a Bourdon tube connected at one end thereof, indicating means actuated by the free end of said tube, a second Bourdon tube of relatively large cross section in communication with said fitting, indicating means connected with the free end thereof, said second means acting over a range of movement greater than that of the first tube and independently thereof, means for continuously supplying fluid under pressure to the first of said Bourdon tubes, means for separately delivering said fluid under the same pressure and from the same source to the second of said Bourdon tubes, and an optionally controlled valve for establishing and interrupting the flow of pressure fluid to the second of said Bourdon tubes.

PATENTS

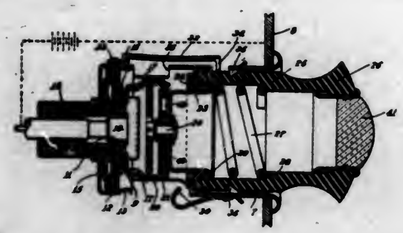
GRANTED JUNE 11, 1940

2,203,661
BOOK HOLDER
Thomas E. Wade, Laramie, Wyo.
Application April 26, 1939, Serial No. 270,225
2 Claims. (Cl. 45—85)



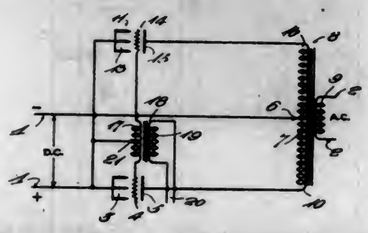
1. A book holder comprising spaced substantially U-shaped opposed side members, front and rear cross rails secured to said side members, glider knobs outstruck from the lower portions of said side members, pivot rods mounted in the side members in the same horizontal plane elevated with respect to the lowermost portions of said side members, a saddle located between the side members and the front and rear rails and having swinging opening and closing cheeks, a back rest, links hinged to the cheeks exteriorly thereof and connected with the pivots carried by the side members, guide rods extending vertically with respect to the front and rear rails, and ears extended from the back rest and slidable on the guide rods.

2,203,662
CIGAR LIGHTER
Philip E. Ashton, Meriden, Conn., assignor to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut
Original application March 25, 1936, Serial No. 70,779, now Patent No. 2,084,966, dated June 22, 1937. Divided and this application May 21, 1937, Serial No. 143,924
7 Claims. (Cl. 219—32)



7. A cigar lighter comprising a socket having contacts, a plug for reception in said socket and having contacts adapted for cooperation with the socket contacts, a heating unit carried by the rear end portion of said plug and through which current is passed from said contacts, a spring cooperating with said socket and at least one of the plug contacts for longitudinally moving said plug contact outwardly upon release of pressure on said spring, and a bimetallic latch secured to the base portion of said socket the active part of the bimetallic latch being substantially parallel to the axis of said plug and socket for the greater part of their length and having a radially inwardly extending portion of not more than about twenty percent (20%) of the free forward length of said latch engaging a peripheral groove in a portion of said plug for holding said spring compressed and adapted upon heating to flex, releasing said spring and opening a circuit through said heating unit.

2,203,663
ELECTRICAL INVERTER
Willard H. Bennett, Newark, Ohio, assignor to Electronic Research Corporation, Newark, Ohio, a corporation of Ohio
Application October 12, 1938, Serial No. 234,677
8 Claims. (Cl. 175—363)

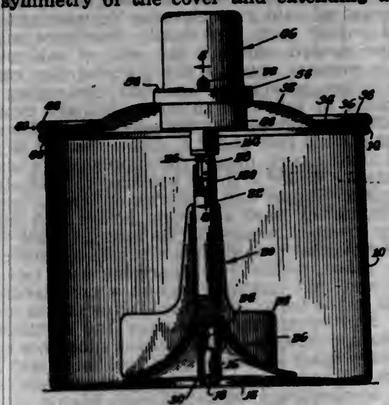


1. An electrical inverter for deriving polyphase energy from high potential direct current comprising a direct current input circuit, a polyphase output circuit, a polyphase circuit coupled to said polyphase output circuit and having a branch circuit individual to each phase thereof, an electric discharge device operative at substantially atmospheric pressure in circuit with each of the branches of said polyphase circuit and said direct current input circuit, and a polyphase control circuit for controlling the operating potential of each of said electric discharge devices.

2,203,664
WASHING MACHINE
Bernhart A. Benson, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 19, 1937, Serial No. 175,450
4 Claims. (Cl. 68—132)

1. In a washing machine, a container, an agitator in said container, a cover for said container, said cover being symmetrical about a central, vertical axis and having a central, convex-concave portion with the convex side facing upwardly, a motor, an agitator drive shaft, a transmission mechanism between said motor and said drive shaft, a releasable coupling between said drive shaft and said agitator, a housing for said transmission mechanism from which housing said agitator drive shaft depends, the convex-concave portion of the cover having a centrally disposed aperture therein, said housing being mounted in said aperture and secured to said cover, said

motor being mounted on said housing on an axis of symmetry of the cover and extending above



said cover, and a hood enclosing said motor and secured to said housing.

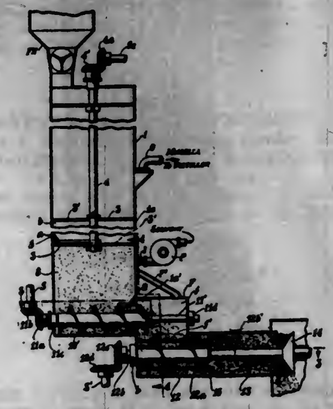
2,203,665
DRIVE MECHANISM FOR TWISTER FRAMES
Richard F. Bergmann, Lakewood, Clarence C. Walters, Cleveland, and Fred J. Samerdyke, Rocky River, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application November 18, 1938, Serial No. 241,222
26 Claims. (Cl. 57—99)



1. Apparatus for rotating the spindles of twisting or doubling apparatus comprising a rotatable driving member; spindles mounted on opposite sides of the axis of rotation of said driving member; an endless belt passing around said spindles on opposite sides of said driving member enclosing said driving member between opposite runs thereof, each of the opposite runs of said belt contacting said driving member but passing across said driving member only once; and a pulley contacting each of said runs of said belt mounted to urge said run of said belt against said driving member to provide a substantial angle of wrap of said run of said belt on said driving member.

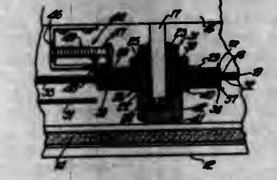
2,203,666
METHOD AND MECHANISM FOR CONTINUOUSLY FORMING LIQUID-IMPERVIOUS PLUGS IN EXTRACTION UNITS
Michele Bonotto, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del., a corporation of Delaware
Application July 19, 1938, Serial No. 219,973
7 Claims. (Cl. 23—268)

1. A method of continuously forming liquid-impervious plugs in extraction units, which consists in continuously feeding, by a feeding conveyor of given capacity, exhausted solid material from an extraction unit into contact with a packing screw conveyor, moving said packing screw conveyor at a different velocity than the feeding conveyor and at a rate of speed that will provide, in said packing screw conveyor, greater



capacity than the feeding conveyor, and continuously packing a plug of said exhausted material within said packing conveyor against a yieldable valve.

2,203,667
RECORDING INSTRUMENT
Frederick Buechmann, St. Albans, N. Y.
Application December 21, 1935, Serial No. 55,516
5 Claims. (Cl. 234—63)

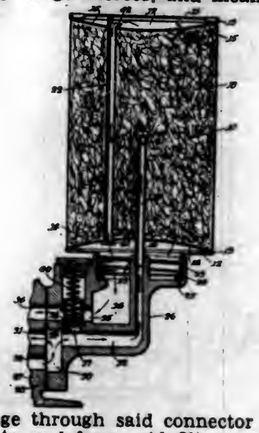


1. In a recording instrument of the class described having a clock shaft, the combination of a pair of separable coacting disk-like punch elements, one of said punch elements including circumferentially alined piercing pins arranged in clock dial formation, the other of said punch elements having circumferential grooves for receiving said piercing pins, one of said punch elements being fixedly secured to said clock shaft and the other punch element being carried by said clock shaft but rotatable relative to the other punch element.

2,203,668
OIL FILTER
Robert Nash Burckhalter, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application November 14, 1936, Serial No. 110,846
9 Claims. (Cl. 210—131)

7. A filter comprising in combination a base having an opening surrounded by a circular groove, an adapter having a central opening aligned with the opening in the base and a flange seated in the circular groove, a ported connector element penetrating the opening in the adapter and having one end secured in the base opening and its other end overlying the margins of the opening in the adapter, said connector element making the adapter fast on

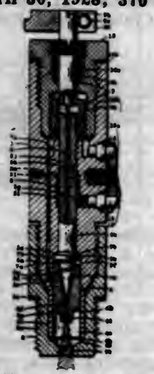
the base, a filter casing carried by the adapter opposite the flange thereof, and means including a passage through said connector for conducting oil to and from said filter casing.



2,203,669

INTERNAL COMBUSTION ENGINE CHARGE-FORMING DEVICE

Frank David Butler, United States Navy
Application May 16, 1938, Serial No. 208,217
2 Claims. (Cl. 299—107.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A fuel injection device for an oil engine comprising an elongated cylindrically shaped actuating piston member adapted to be floatably mounted adjacent the combustion chamber of such engine, a tapering seat located within said actuating piston member and terminating towards said combustion chamber in a minute cylindrical orifice, a tapering nozzle adjacent the combustion chamber end of said minute orifice, an elongated cylindrically shaped piston valve member of smaller diameter than and floatably mounted adjacent to said actuating piston member, a tapering disc integral with said piston valve member and corresponding to and fitting within said tapering seat, an elastic substance compression space adjacent the larger end of said tapering seat and disc, an annular shaped groove located in the periphery of the intermediate length of said tapering disc, a cylindrical fuel chamber located concentrically within said piston valve member and in constant communication with said annular shaped groove, a fuel supply port extending radially through said piston valve member into said fuel chamber, a fuel injection plunger member slidably extending into one end of said fuel chamber to adjacent said fuel supply port, an elastic substance supply space located adjacent the end of said piston valve member opposite the tapering disc end of the latter, means for remotely controlling the location of said fuel injection plunger member relative to said fuel supply port, means for supplying liquid fuel under a slight pressure to said fuel supply port, means for supplying an elastic substance under a slight pressure to said elastic substance supply and compression spaces, means for actuating said actuating piston and piston valve member, means for compressing said elastic substance in said elastic substance compression space, means for separating said tapering disc and said tapering seat at a predetermined point in the travel of said actuating piston member, and means for displacing the compressed elastic substance from said elastic substance compression space and the liquid fuel from said fuel chamber and uniting and injecting them into said combustion chamber of such engine.

2,203,670

METHOD OF TREATING ELECTROLYTIC COATINGS ON MAGNESIUM AND ITS ALLOYS

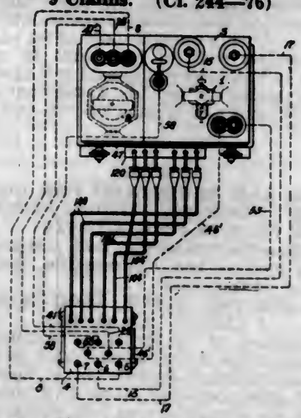
Robert W. Buzzard, Kensington, Md.
No Drawing. Application June 29, 1937, Serial No. 150,932
7 Claims. (Cl. 204—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of producing corrosion resistant coatings on magnesium or magnesium alloys in which magnesium predominates comprising forming on the metal an anodic coating produced by reaction with magnesium and subjecting the coating to a non-electrolytic treatment for five minutes to one hour in an aqueous solution containing 1 to 30 percent water soluble dichromate and 8 to 12 percent manganous sulphate, and maintaining the temperature of the solution during treatment substantially equivalent to the boiling point of the solution.

2,203,671

AIRPLANE AUTOMATIC PILOT

Bert G. Carlson, Freeport, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 26, 1938, Serial No. 192,717
9 Claims. (Cl. 244—76)

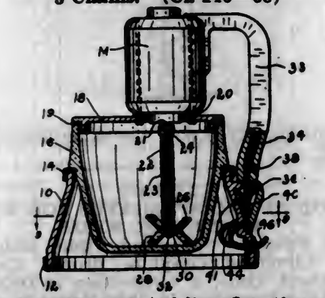


1. In an automatic pilot for aircraft, a plurality of control knobs at the instrument panel, remotely located master controlled instruments, means connecting said knobs and instruments to change the attitude of the plane, fluid pressure relay valves thereat controlled by said instruments, and fluid pressure answer-back means from said relays to said panel adjacent said knobs.

2,203,672

POWER DRIVEN LIQUEFIER

Frank R. Chester, Seattle, Wash., assignor to Frank R. Chester Corporation, Seattle, Wash., a corporation of Washington
Application November 14, 1938, Serial No. 240,371
3 Claims. (Cl. 146—68)

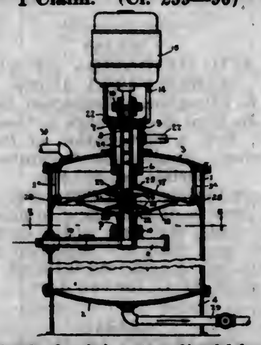


1. In a power operated liquefier, the combination with a bowl, a removable bowl-lid and means forming an airtight joint between the lid and bowl, a motor mounted on the exterior of the lid and having its shaft depending into the bowl, and means forming an air-tight joint between the motor and the lid, of a rotor mounted on the shaft and depending into the bowl, a helical conveyer mounted on the exterior of the rotor for directing material downwardly, and a cruciform cutter mounted on the lower end of the rotor comprising a pair of upwardly diverging knives, and a pair of diametrically arranged downwardly diverging knives.

2,203,673

TREATING PROCESS

Mead Cornell, Cleveland, Ohio, assignor to The Cornell Machine Company, Cleveland, Ohio, a corporation of Ohio
Application August 17, 1938, Serial No. 225,356
1 Claim. (Cl. 259—96)

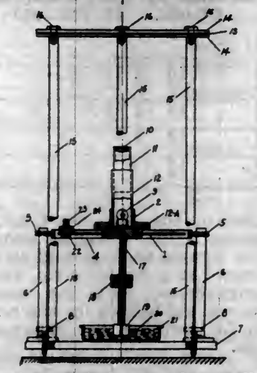


The method of mixing two liquid bodies which comprises the steps of maintaining an impounded quantity of each such body respectively centrally of separate rotating members, radially displacing each of said bodies into separate continuous films respectively supported on one side only on said rotating members, centrifugally attenuating said separate films, merging said separate continuous films into a merged continuous film, centrifugally attenuating said merged film and then collecting said attenuated merged film.

2,203,674

MATHEMATICAL INSTRUMENT

George J. Dashefsky, Rockville Centre, N. Y.
Application December 28, 1938, Serial No. 248,040
8 Claims. (Cl. 235—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

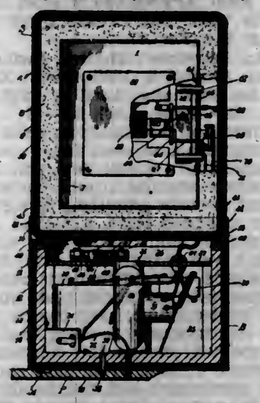


1. An instrument for mechanically obtaining the resultant of a plurality of quantities having the properties of magnitude and directional relationship with respect to a common reference point; comprising a disk pivoted in effect at its polar center, means for loading said disk in proportion to the magnitudes of said quantities and in the same angular relationship as obtains there-among, and means for measuring the unbalanced moment on said disk as an index of said resultant quantity.

2,203,675

BURGLAR RESISTING SAFE

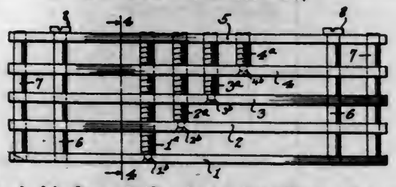
Charles R. Davis, Rochester, N. Y.
Application November 19, 1936, Serial No. 111,669
7 Claims. (Cl. 109—29)



1. In a burglar resisting safe, the combination with a strong box having a wall embodying outer and inner electrical conductance mediums pro-

tecting the wall the outer medium being constituted by an outside steel shell for the box and an electrical circuit including such mediums, of a chamber structurally connected with the strong box a gas disseminating device arranged in the chamber, there being passages leading from such chamber delivering to the exterior walls of the strong box, and means in such circuit for liberating gas from said device when the circuit is closed by electrically connecting the mediums.

2,203,676
NO-PUNCH BINDER
Herbert L. Davis, Atlanta, Ga.
Application April 29, 1939, Serial No. 270,834
3 Claims. (Cl. 129—36)



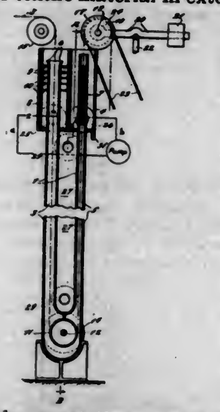
3. A binder of the type described, having a series of binder strips to engage leaves, a series of adjustable screws, each of said screws having one end secured to a binder strip, and having a threaded engagement with the next adjacent binder strip, end guide rods for the binder strips, and means for limiting the expansion of the binder strips.

2,203,677
ADHESIVE
Richard Gurley Drew, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application February 18, 1938, Serial No. 191,266
6 Claims. (Cl. 260—709)

1. An adhesive composition adapted to form highly coherent normally tacky and pressure-sensitive transparent adhesive coatings, comprising one part raw rubber and 0.2–4 parts low-acid type ester gum dispersed in a volatile vehicle.

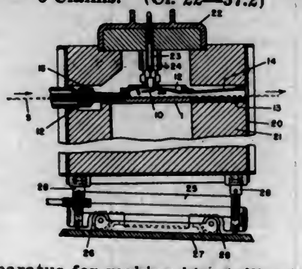
2,203,678
METHOD AND APPARATUS FOR THE CONTINUOUS WET TREATMENT OF WEBS OF TEXTILE MATERIAL
Wilhelm Dürsteler, Thalwil, Switzerland
Application August 5, 1937, Serial No. 157,582
In Germany April 1, 1937
26 Claims. (Cl. 91—46)

1. Apparatus for the continuous wet treatment of textile materials in web form comprising a conduit possessing a small depth in relation to its width, a first opening at one end of said conduit for continuously admitting a web of textile material in extended state, a second opening at the other end of said conduit for continuously discharging a web of textile material in extended state and means for continuously passing a web of textile material in extended state into, through and out of said conduit, said means comprising means for continuously feeding treating liquid into said conduit, means for continuously discharging treating liquid from said conduit so as to create a continuous treating liquid current in said conduit, said conduit being so dimensioned in its proportions of depth to width that said treating liquid current is sufficient to frictionally engage a web of textile material in extended state



and continuously propel the same through said conduit.

2,203,679
METHOD OF AND APPARATUS FOR MAKING BIMETALLIC STRIP
George Edwards, Cleveland, Ohio, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application December 16, 1938, Serial No. 246,127
6 Claims. (Cl. 22—57.2)



6. Apparatus for making bimetallic strip comprising a pouring box through which said strip is adapted to be passed, said box having an entrance and an exit for said strip, the exit being elevated relatively to said entrance whereby said strip will pass through the box at an upward inclination, and means for varying said inclination.

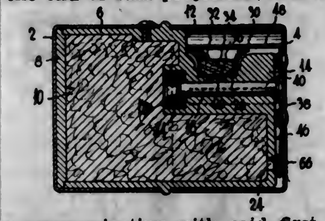
2,203,680
NITRIC ACID OXIDATION OF OLEIC AND OTHER FATTY ACIDS
Ellsworth K. Ellingboe, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 2, 1937, Serial No. 177,819
9 Claims. (Cl. 260—406)

1. In a process of preparing aliphatic organic carboxylic acids, the step which comprises oxidizing oleic acid with ten mols per mol of oleic acid of 88% nitric acid and 0.1% of ammonium vanadate at 25–35° C. for two days.

2,203,681
CIGARETTE LIGHTER
Irving Florman, New York, N. Y.
Application September 27, 1937, Serial No. 165,991
6 Claims. (Cl. 67—7)

2. A cigarette lighter comprising two sections

substantially centrally divided and together forming a casing, a die-cast member mounted in one of said casing sections, said member having a space therein forming a fuel chamber, and having a projection extending from the said casing section, the second casing section being slidably engaged on said projection, said projection having a passage therein extending in the direction of relative movement of said sections and communicating with said fuel chamber and extending to the end of said projection, and a second



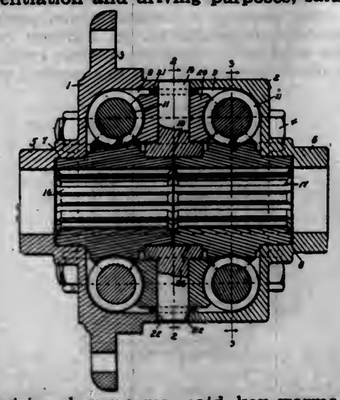
passage communicating with said first passage and at an angle thereto, a flameless catalytic ignition element mounted in the end of said second passage, a sealing member at the inner end of said first passage, a cylindrical member carried by said second casing section and slidable in said first passage and having an end engageable with said sealing member, and a flat plate carried by said second casing section and slidable to a position above and engaging said ignition element.

2,203,682
LUMINESCENT MATERIAL AND METHOD OF PRODUCING THE SAME
Ted E. Foulke, Nutley, N. J., assignor, by mesne assignments, to General Electric Company, a corporation of New York
No Drawing. Original application June 22, 1937, Serial No. 149,707. Divided and this application February 23, 1938, Serial No. 191,963. Renewed July 11, 1939
7 Claims. (Cl. 250—81)

1. The method of preparing a fluorescent material which comprises mixing substantially 2.9 parts by weight of tungsten oxide with 1 part of magnesium oxide which have been previously purified to a high degree, mixing therewith a compound of one of the metals of the group consisting of cadmium, lead, bismuth, thorium and cerium in such proportion that the metal of said compound comprises substantially .05 to .5% of the magnesium oxide, heating the mixture to a temperature of the order of 150° C. until the color of the mixture changes from yellow to white, then slowly raising the temperature to 850–900° C. for an interval, cooling and pulverizing the resulting product, then again slowly increasing the temperature thereof to approximately 1250° C., and then slowly cooling to 1000° C.

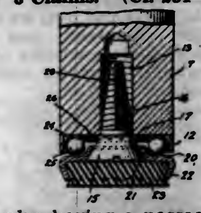
2,203,683
DIFFERENTIAL MECHANISM
Clayton Erasmus Frederickson, Chicago, Ill.
Application February 24, 1939, Serial No. 258,317
5 Claims. (Cl. 74—313)

1. In a differential mechanism, a rotatable driven member having passages, a pair of sleeves rotatably mounted in said driven member, each having provision for fitting the end of a shaft and mounted to turn about a common axis, a spider carried by said driven member and rotatable therewith, said spider having stub shafts and having a ring-bearing on said sleeves, pinions rotatably mounted on said stub shafts, said sleeves having gear elements, and means carried by said casing for operatively connecting said pinions with the respective gear elements for differentiation and driving purposes, said means



comprising key-worms, said key-worms having shaft ends, semi-spherical bearing elements on said ends, said driven member having pockets with spherical surface ends to receive said key-worms and their bearing elements.

2,203,684
VALVE
Terence G. Hare, Windsor, Ontario, Canada
Application March 1, 1939, Serial No. 259,193
5 Claims. (Cl. 251—46)

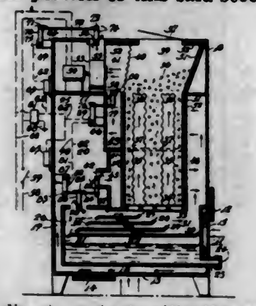


1. In a valve having a passageway defined by a seat and having a control stem mounted on threads so that rotary movement causes the stem to move toward and away from the seat, two race members, a plurality of balls between the race members, a screw member passing through the race members and threaded into the stem, said screw member having a head for rotatably engaging one race member to hold the one race member in position, said screw member having an enlargement spaced from the end of the head for abutment against the end of the stem, the second race member having its central portion fashioned into interlocking engagement with one of the other of said members for holding the race members and the balls in sub-assembly independently of the stem, and a sealing member carried by the said one race member for engaging the seat.

2,203,685
COOLING AND DEHUMIDIFYING DEVICE
Hiram Joseph Kaufman, Detroit, Mich.
Application November 23, 1936, Serial No. 112,232
3 Claims. (Cl. 62—176)

1. The method of using solid ice, ice water, and waste ice water from a single source for conditioning air, which comprises withdrawing air from an enclosure, passing all of the air in indirect contact with the waste ice water to remove sensible heat, passing a predetermined por-

tion of the air in indirect contact with the solid ice to remove sensible heat, passing the other portion of the air in direct and in indirect contact with the ice water to remove sensible and latent heat, passing a predetermined portion of this second portion of air in indirect contact with the solid ice to remove sensible heat, passing the other portion of this said second portion



of air in direct contact with the solid ice to remove sensible and latent heat, mixing the two portions of air in indirect contact with the solid ice, removing the waste water from direct contact with the air after contacting the air in the initial step, combining this mixture with the portion of air in direct contact with the solid ice, and returning the combined mixture of air to the said enclosure.

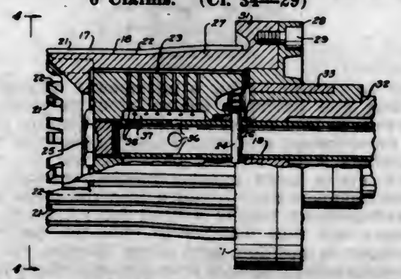
2,203,686

THREAD-ADVANCING REEL

Hayden B. Kline, Cleveland, and Lavern J. Jordan, Fairview, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application October 26, 1936, Serial No. 107,667

6 Claims. (Cl. 34—29)



2. In apparatus for handling thread, a thread-advancing reel made up of a plurality of interdigitating cage members, means for rotating said cage members, means providing relative movement between the thread-bearing surfaces of said cage members to advance the thread lengthwise of the reel in a series of generally helical turns, and means for subjecting the thread as it is being advanced on the reel to conditions which cause it to shrink, the reel being substantially circular in transverse cross section from one end thereof to the other but having a periphery comprising a substantially cylindrical portion on which the thread is advanced in firmly supported turns and, associated therewith, a substantially frusto-conical portion on which successive perimeters of the reel in the direction of travel of the thread are sufficiently shorter than the lengths of the corresponding thread turns to permit the thread to advance in loosely supported turns.

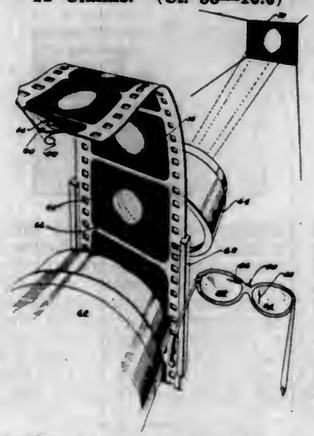
2,203,687

APPARATUS EMPLOYING POLARIZED LIGHT FOR THE PRODUCTION OF STEREOSCOPIC IMAGES

Edwin H. Land, Boston, Mass., and Joseph Mahler, Nemecky Brod, Czechoslovakia, assignors, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware

Application May 11, 1938, Serial No. 207,182

11 Claims. (Cl. 88—16.6)



2. In combination, means providing a plurality of overlying surfaces, each surface comprising areas adapted to substantially polarize light transmitted thereby and each surface comprising other areas adapted to impart to transmitted light substantially less polarization than said first-mentioned areas, the said first-mentioned areas of each surface being positioned with their polarizing axes substantially at right angles to each other, whereby the overlying portions of said first-mentioned areas are adapted to substantially block light incident thereon, the areas of one surface being adapted to form in polarized light a left-eye image and the areas of the other surface being adapted to form in polarized light a right-eye image.

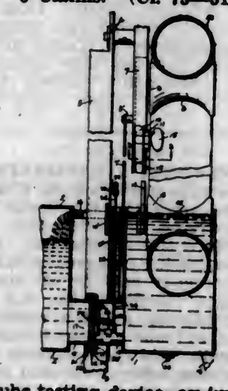
2,203,688

TUBE TESTING DEVICE

Bert A. Little, Wichita, Kans.

Application November 23, 1935, Serial No. 51,194

6 Claims. (Cl. 73—51)



1. In a tube testing device, an immersion tank and a liquid storage tank, conduit means between the tanks, whereby the surplus liquid displaced by a tube immersed in the immersion tank will flow into the storage tank, and means for preventing the surplus liquid in the storage tank from returning to the immersion tank until the tube is removed from the liquid.

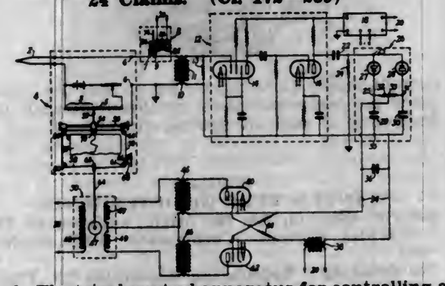
2,203,689

RECORDING AND CONTROL APPARATUS

Waldron Shapleigh Macdonald, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts

Application August 26, 1937, Serial No. 161,067

24 Claims. (Cl. 172—239)



1. Electrical control apparatus for controlling a condition, comprising, in combination, means responsive to the value of a condition for producing a D. C. potential varying in magnitude and direction from a base value with the amount and direction of the deviation of the value of the condition from a corresponding base value, means for transforming the D. C. potential into a cyclic potential having unequal positive and negative maximum peak values in each cycle and whose maximum peak voltage in each cycle varies in magnitude and polarity with said D. C. potential, means for averaging the peak values of said cyclic potential, and control means including means responsive to said average for producing a D. C. control potential for affecting said condition in an amount varying with the magnitude and polarity of said average.

2,203,690

PROCESS FOR THE SEPARATION OF CHLORINATED COMPOUNDS FROM LIQUIDS

Carl J. Malm and Gale F. Nadeau, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 4, 1936, Serial No. 114,277

17 Claims. (Cl. 210—62)

1. A process for treating alcohol and ketone solvents containing ethylene chloride which comprises passing the solvents in contact with carbon whereby at least a part of the ethylene chloride is removed from the solvents.

2,203,691

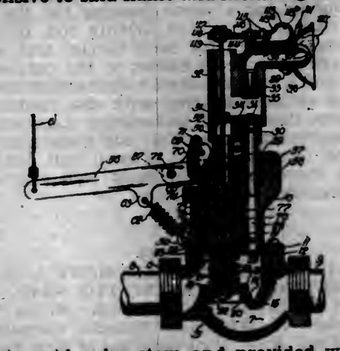
CONTROL DEVICE

Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Original application August 31, 1931, Serial No. 560,412. Divided and this application September 24, 1932, Serial No. 634,708

6 Claims. (Cl. 158—117.1)

1. In combination, a valve housing, a normally closed valve therein having an axially bored valve stem, a pilot burner for maintaining a pilot flame, locking means for preventing opening of said valve when said flame is unignited, and means responsive to said flame and including a bolt slidable in said valve stem and provided with connecting means extending between said bolt and said locking means for disengaging said locking means upon ignition of said flame, and means for opening said valve.



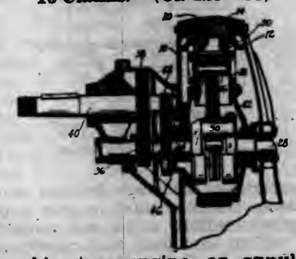
2,203,692

ENGINE

André J. Meyer, Lexington, Ky., assignor to Mawen Motor Corporation, New York, N. Y., a corporation of Delaware

Application October 22, 1938, Serial No. 236,512

13 Claims. (Cl. 123—44)



1. In a bi-rotary engine, an annular ported valve member, sealing means mounted for relative rotary movement with respect to said valve member, ignition pockets opening inwardly of the valve member, and venting means carried by said sealing means for placing said pockets temporarily in communication with a zone of low pressure due to said relative rotary movement.

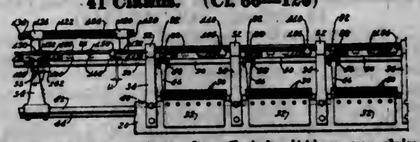
2,203,693

KNITTING MACHINE

Max C. Miller, Cumberland, R. I.

Application May 7, 1937, Serial No. 141,304

41 Claims. (Cl. 66—126)



1. A carrier system for flat knitting machines having a plurality of at least three carriers associated with a needle series movable in closely adjacent non-conflicting parallel paths extending the full length of the needle series which comprises separate supporting and driving units

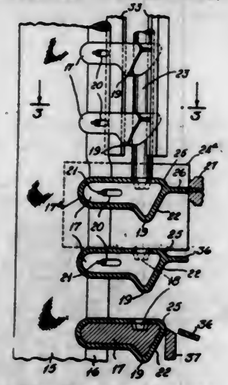
for each of the several carriers located substantially above the carriers in parallel non-overlapping relation to permit the unobstructed feed of yarn to the carriers therebetween, each of said units comprising a sleeve bearing for the associated carrier, a friction driving rod, one such rod being provided for each carrier and having a traversing stroke in excess of the carrier feed stroke, and a friction device connecting the carrier and slidable bearing with the friction rod to traverse the carrier, and carrier stops and separate supporting means for said stops associated with and forming a part of each unit for limiting the movement of each of said carriers in each direction.

2,203,694

SEPARABLE FASTENER ELEMENT AND THE METHOD OF MAKING THE SAME

Louis H. Morin and Davis Marinsky, Bronx, N. Y., assignors to Whitehall Patents Corporation, New York, N. Y., a corporation of New York

Application February 15, 1937, Serial No. 125,820
4 Claims. (Cl. 24—205)



4. In separable fastener devices, a die cast thermoplastic fastener part having a predetermined surface contour, a die cast metallic insert arranged within said part and closely conforming in contour to the contour of the external surface of said thermoplastic part throughout substantially the entire extent of said surface, said metallic insert having detents on predetermined surfaces thereof, the thermoplastic body having integral portions extending into the detents of the metallic insert, and a portion of the die cast insert being exposed through one surface of said thermoplastic body.

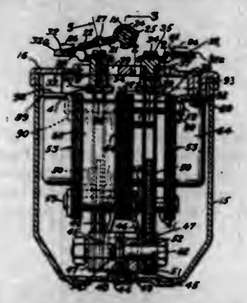
2,203,695

RECIPROCATING ELECTRIC MOTOR

Thomas J. Murphy, Stamford, Conn.

Application December 28, 1934, Serial No. 759,508
14 Claims. (Cl. 172—126)

2. In combination, a pair of armatures mounted to reciprocate toward and from each other, magnetic poles on opposite sides of each armature and comprising different magnetic circuits, a support for each armature including a spring arm rigidly connected to a support and tending to move its armature to an intermediate position between the adjacent poles, alternating current windings for magnetizing the poles to shift the armatures against the action of their respective arms to reciprocate the armatures alternately toward and from their respective poles so that they pass alternately from one magnetic circuit to another, and means for connecting the windings continuously with a source of alternating



current supply during operation so that the armatures are reciprocated in synchronism with the frequency of said alternating current.

2,203,696

MANUFACTURE OF DETERGENTS

John F. Olin, Grosse Ile, Mich., assignor to The Sharples Solvents Corporation, Philadelphia, Pa.

No Drawing. Application September 28, 1937, Serial No. 166,094
10 Claims. (Cl. 260—459)

1. A process of manufacturing detergents comprising partially chlorinating a paraffin hydrocarbon fraction to produce a mixture of alkyl monochlorides with unreacted paraffins which is substantially free of polychlorides, subjecting said mixture to a splitting reaction and thereby converting the alkyl monochlorides to olefins, treating the mixture of olefins and paraffins so produced with a sulphonating agent to produce a detergent composition by reaction of said sulphonating agent with the olefins of the mixture and thereafter removing the unreacted paraffins from said detergent.

2,203,697

HOLLOW BODIES CAPABLE OF BEING PRODUCED BY FOLDING SHEET MATERIAL

Paul Rinkel, Berlin-Charlottenburg, Germany, assignor to Hans Weill, New York, N. Y.

Application September 2, 1937, Serial No. 162,106
In Germany February 10, 1937
10 Claims. (Cl. 229—16)



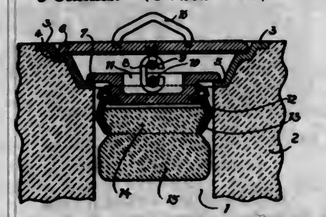
1. A hollow body capable of being produced by folding sheet material and comprising side walls, the development of said side walls constituting a strip with straight-lined and unbroken upper and lower edges parallel to each other, said body including at least one partial zone of its entire height, defined by two parallel cross-sectional planes, said partial zone comprising other edges extending from one of said planes to the other and lateral partial surfaces between said other edges respectively, at least two of said other edges having no plane in common with each other, and at least one portion of one of the circumferences of said planes being inwardly protruding.

2,203,698

COKE OVEN CHARGING-HOLE CLOSURE CONSTRUCTION

Wilhelm Schmidt, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application April 7, 1937, Serial No. 135,396
In Germany April 11, 1936
5 Claims. (Cl. 202—250)



1. A contrivance for closing the charging holes in the roof of the coking chambers of coking retort ovens for the production of gas or coke, comprising several ring-shaped sealing faces, provided in the wall of the charging hole, whereby the inside diameter of the sealing faces will be less than the outer diameter, one replaceable cover of the corresponding section being provided for each sealing face, said covers being interconnected in a jointed but unturnable way, the inner cover comprising a refractory plug, and means being provided at the outer cover for manipulating the same.

2,203,699

FIBROUS ACETONE SOLUBLE CELLULOSE ACETATE OF 58–60% ACETYL CONTENT

George W. Seymour and Blanche B. White, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 28, 1939, Serial No. 258,949
5 Claims. (Cl. 260—230)

1. Process for the manufacture of cellulose acetate, which comprises adding to the primary solution, containing the cellulose acetate, the excess acetic anhydride employed in the acetylation process and catalyst, water in amount just sufficient to convert the anhydride to acetic acid and an additional 3.6–28.8 parts by weight of water for every 100 parts by weight of cellulose acetate formed in the primary solution, permitting the cellulose acetate to ripen at a temperature between 28 and 33° C. to an acetyl value of 58–60% and precipitating the cellulose acetate from the resulting solution in fibrous form as an acetone-soluble product having an acetyl value of 58–60%.

2,203,700

PREPARATION OF CELLULOSE ESTERS OF HIGH ACYL VALUE

George W. Seymour and Blanche B. White, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 28, 1939, Serial No. 258,950
13 Claims. (Cl. 260—227)

1. Process for the manufacture of cellulose esters of high acyl value characterized by being of reduced viscosity and soluble in acetone, which comprises adding to the primary solution containing the cellulose ester, the excess anhydride employed in the esterification process and an acid catalyst, a metallic salt in an amount equivalent to the quantity of acid employed as catalyst, adding water in an amount just sufficient to convert the anhydride to the acid, and an excess of water of from 6 to 12 parts for every 100 parts of ester in the solution, permitting the cellulose ester to ripen at a low temperature, and precipitating the cellulose ester from the solution.

2,203,701

RUBBER PROCESS AND PRODUCT

Thomas Lewis Shepherd, London, England

No Drawing. Application September 16, 1935, Serial No. 40,859. In Great Britain September 18, 1934
11 Claims. (Cl. 28—1)

1. A process for preparing rubber threads in forming a thread from an aqueous dispersion of rubber to which has been added a soluble hya relatively inelastic form, which consists in drophilic colloid in such a quantity as to produce a relatively inelastic thread, coagulating the formed thread, drying the coagulated thread and treating the dried thread with an agent for rendering the colloid partially insoluble whereby the insoluble colloid is permanently incorporated in the thread.

2,203,702

METHOD OF MAKING ETHER AND ESTER DERIVATIVES OF POLYSACCHARIDES SYNTHESIZED THROUGH BACTERIAL ACTION

Grant L. Stahly and Warner W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 29, 1937, Serial No. 156,426
13 Claims. (Cl. 195—12)

8. In a method of producing ethers, mixed ethers, esters, mixed esters, or mixed ether-ester derivatives of dextran, inoculating a sucrose medium with a bacterium agent selected from the group consisting of *Leuconostoc mesenteroides* and *Leuconostoc dextranicum* through the carbohydrate metabolism of said bacterium, stimulating the polysaccharide formation by maintaining a slightly alkaline reaction, and subjecting the culture medium to an agent selected from the group consisting of etherifying and esterifying agents.

2,203,703

ETHERS OF DEXTRAN

Grant L. Stahly and Warner W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 29, 1937, Serial No. 156,427
20 Claims. (Cl. 260—209)

1. A benzylether reaction product of dextran, produced by the action of bacteria on sucrose media, and benzyl chloride, in an alkaline solution.

2,203,704

CHEMICAL METHOD OF ETHERIFYING DEXTRAN

Grant L. Stahly and Warner W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Original application July 29, 1937, Serial No. 156,426. Divided and this application February 4, 1938, Serial No. 188,723
7 Claims. (Cl. 260—209)

1. In a process of making benzyl ethers of dex-

tran, dissolving the dextran in a water solution of sufficient sodium hydroxide to keep the solution alkaline throughout the period of the reaction, adding benzyl chloride in the proportion of slightly more than one mol of the chloride for each hydroxyl group in the carbohydrate, and heating the mixture to form the benzyl ethers of dextran.

2,203,705

SOLUBLE BENZYL ETHER OF DEXTRAN

Grant L. Stahly and Warner W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 26, 1938, Serial No. 192,886
2 Claims. (Cl. 260—209)

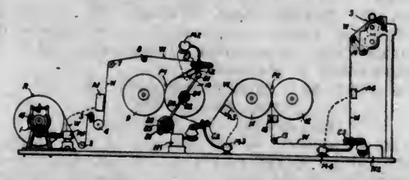
1. A new composition comprising dehydrated acetone soluble benzyl ether of dextran.

2,203,706

METHOD OF AND APPARATUS FOR MAINTAINING WEB ALIGNMENT

Donald C. Stockbarger, Belmont, Mass., assignor to Stockton Profile Gauge Corporation, Lowell, Mass., a corporation of Massachusetts

Application May 5, 1937, Serial No. 140,997
19 Claims. (Cl. 271—2.6)



1. Means for detecting the lateral alignment of a moving web, said web having thereon a row of periodically repeating patterns extending in the direction of motion of said web, said patterns being of different light transmitting and/or reflecting characteristics than the remainder of said web, comprising means for producing at least a pair of light images on said web, said images being positioned, when the web is in correct lateral alignment, on opposite sides of said row of patterns on said web, and photoelectric means positioned to observe said light images, whereby, when said web wanders laterally, said row of patterns traverse one or another of said images, depending upon the direction of lateral misalignment, and thereby modulate the light reaching said photoelectric means, the individual images on the opposite sides of said row of patterns having a staggered arrangement with respect to the row arrangement, whereby the phase displacement of the modulation of light reaching said photoelectric device is different for the two possible directions of lateral misalignment.

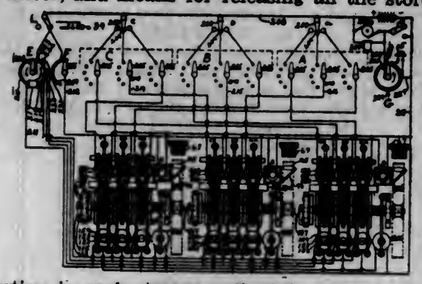
2,203,707

TOTALIZING MECHANISM FOR VOTING APPARATUS

Charles F. Thompson, Dumbarton, Va.

Application July 31, 1936, Serial No. 93,684
10 Claims. (Cl. 235—92)

1. A totalizing machine comprising, a plurality of storage units, means for simultaneously storing motion in said storage units, a shaft member adapted to move a consecutively numbered device, means for consecutively connecting each storage unit mechanically with said shaft member, and means for releasing all the stored



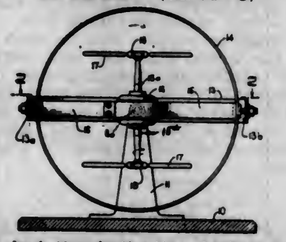
motion in each storage unit while so connected.

2,203,708

DEVIATION INDICATOR

William Vonschott, New York, N. Y., assignor of one-fifth to Henry J. Lucke, New York, N. Y.

Application May 14, 1938, Serial No. 207,860
14 Claims. (Cl. 74—5)



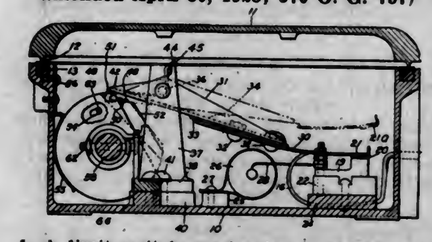
1. In a deviation indicating device, a universally suspended symmetrical body rotatable about its axis of symmetry, mutually angularly displaceable elements for supporting said universally suspended body, a plurality of members mutually balanced relatively to said axis and pendulously connected to said body at points equally spaced from said axis, said members possessing at least two degrees of rotational freedom about said points relatively to said body, and means for rotating said body and therewith said members about said axis.

2,203,709

LIMIT SWITCH

Marion E. Weeks, Bremerton, Wash.

Application February 27, 1939, Serial No. 258,693
4 Claims. (Cl. 200—47)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A limit switch mechanism comprising terminal contact means, a switch member adapted to be moved into and out of engagement with said contact means, a rocker means, yieldable means insulatably supporting said switch member on said rocker means, cam means operable in one direction to rock said rocker toward circuit-completing position and then hold it in such

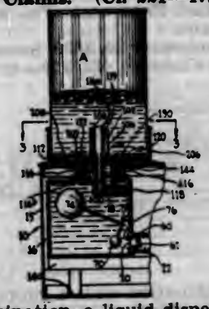
position, yieldable means urging said rocker toward circuit-breaking position on operation of said cam means in the opposite direction, said cam means including a cam member for gradually rocking said rocker toward circuit-completing position, and a second cam member supporting said rocker in circuit-completing position after said first cam member is initially withdrawn, said second cam member including means to abruptly release said rocker to circuit-breaking position.

2,203,710

DISPENSING APPARATUS FOR LUBRICANT AND THE LIKE

Marvin S. Young, Scarsdale, N. Y., and Raymond B. Lewthwaite, Hasbrouck Heights, N. J., assignors to The Merlin Corporation, New York, N. Y., a corporation of Delaware

Application August 23, 1938, Serial No. 226,208
25 Claims. (Cl. 221—47.1)



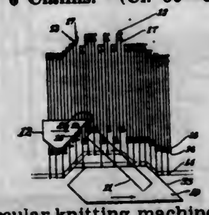
1. In combination, a liquid dispenser having a liquid inlet system for establishing communication between the dispenser and a cooperating supply container, said system comprising a fixed guide, keying means within the guide, preventing placement of an improperly keyed container in cooperation with the system, a container fitting within said guide and having keying means thereon which interengage with the aforesaid keying means, and means separate from said keying means for establishing flow of liquid from the container when the container is placed within said guide.

2,203,711

KNITTING MACHINE

Harry Agulnek, Brooklyn, N. Y., assignor to Samuel Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y.

Application December 29, 1938, Serial No. 248,156
6 Claims. (Cl. 66—8)



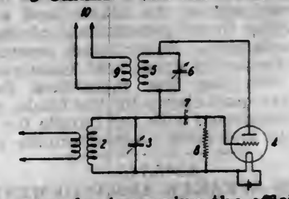
1. In a circular knitting machine, a plurality of vertically movable closely spaced needles, a laterally protruding shelf on certain of said needles engageable with the next adjacent needle for operatively elevating it, needle elevating means operatively engageable with the needles containing the said shelves but out of engagement with the said adjacent needles, and stitch cams operatively engageable with all the needles for independently depressing them in succession.

2,203,712

RADIO TRANSMITTING SYSTEM

Edwin H. Armstrong, New York, N. Y.

Application August 25, 1936, Serial No. 97,738
3 Claims. (Cl. 172—281)



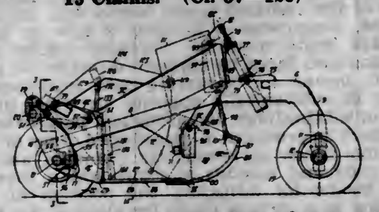
3. Apparatus for improving the efficiency of a frequency multiplier comprising a vacuum tube having a plate, a grid and an emitting electrode, said apparatus comprising means for applying the frequency to be multiplied to the vacuum tube so as to vary the potential of the grid and plate simultaneously and in substantially the same phase with respect to the emitting electrode and means for absorbing energy from the plate circuit of the vacuum tube at a frequency which is a multiple of the original frequency.

2,203,713

EARTH MOVER

Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware

Application August 12, 1937, Serial No. 158,638
15 Claims. (Cl. 37—126)



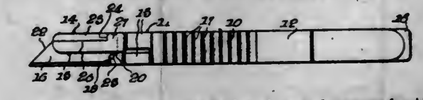
1. An earth mover comprising a frame, a main bowl mounted upon said frame, an auxiliary bowl nested within said main bowl, an earth barrier between said nested bowls, means for moving said auxiliary bowl out of nested position, and means for moving said earth barrier.

2,203,714

BLADE HOLDER

Harry A. D. Baer, Allentown, Pa.

Application January 31, 1939, Serial No. 253,906
3 Claims. (Cl. 30—338)



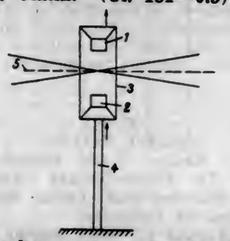
1. A holder for a blade having a lug projecting both rearwardly and upwardly from its rear end, said holder comprising an elongated handle, a blade-clamping finger projecting forwardly from said handle and having an inner side to lie against the blade, said finger being provided along its upper edge with a rib projecting laterally beyond said inner side to abut the upper edge of the blade, the rear end of said rib being spaced forwardly from the rear end of said finger to abut the front edge of the blade lug, said finger being also provided on said inner side with a lateral

taining the said shelves but out of engagement with the said adjacent needles, and stitch cams operatively engageable with all the needles for independently depressing them in succession.
projection to abut the lower end of the blade lug and the rear end of the blade, and a second blade-clamping finger independent of the aforesaid blade-clamping finger, said second finger projecting forwardly from said handle and cooperating with the first mentioned finger in forming a two-part clamp for the blade, said fingers being connected with the handle for relative movement to and from blade clamping position.

2,203,715
LOUD-SPEAKER ARRANGEMENT

Heinrich Benecke, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany

Application February 10, 1937, Serial No. 124,998
In Germany February 17, 1936
1 Claim. (Cl. 181—0.5)

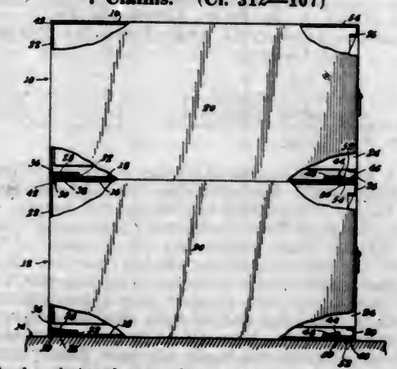


A loud-speaker system wherein the distribution of the radiated sound waves may be controlled, comprising a housing, a pair of loud-speaker units mounted coaxially within said housing and faced in opposite direction to each other, means for actuating said loud-speaker units in substantially opposite electrical phase and in substantially like acoustical phase whereby there is produced a fan-shaped zone of extinction which surrounds the common axis of the units and extends at right angles thereto, and means for adjusting the position of the housing in a vertical plane for altering the pattern of the sound distribution in a desired manner.

2,203,716
SECTIONAL CABINET

Ed Bergman, New York, N. Y., assignor to Art Steel Company, Inc., Bronx, N. Y., a corporation of New York

Application September 1, 1939, Serial No. 292,967
7 Claims. (Cl. 312—107)

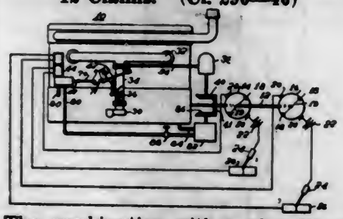


6. An interchangeable cabinet section for a sectional file cabinet made up of said interchangeable sections and which are adapted to be removably arranged one on top of the other to form said sectional file cabinet, said interchangeable cabinet section having a top and a bottom wall, the bottom wall having an opening therein and an aligning latch comprising a flat spring member secured to the bottom wall and an integral lip extending downwardly from the spring member and projecting through said bottom wall opening, the lip urged outwardly through the opening by the said flat spring member, the top wall having arranged therein a slot, said slot on the top wall being in alignment with the opening in the bottom wall and of dimensions corresponding to the said lip.

2,203,717
POWER SYSTEM

John H. Blankenbuehler, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 20, 1939, Serial No. 295,738
12 Claims. (Cl. 290—40)

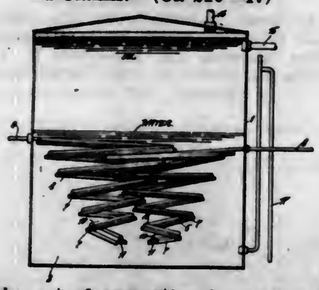


10. The combination with a plurality of generators having a common driving means, of speed control means for maintaining the speed of the driving means within a predetermined range, means operable to render the speed control means ineffective, and control means responsive to the application of a load to any of the said generators to render said second mentioned means inoperable.

2,203,718
PROCESS AND APPARATUS FOR TREATING LIQUIDS

Donald D. Burch, Tulsa, Okla.

Application December 14, 1936, Serial No. 115,792
14 Claims. (Cl. 210—47)

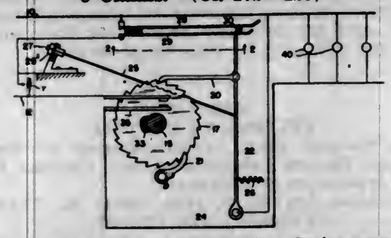


1. In the art of separating immiscible liquids of different densities, the process comprising, passing the mixture slowly and continuously thru a deep liquid bath and guiding the same to move in a fixed path gradually from a greater depth to a lesser depth so as to traverse a major portion of the depth of the bath under the action of a separating force to permit the liquids to separate from the mixture by the action of said force, and moving the liquid of the bath to control the movement of the mixture therethru.

2,203,719
ELECTROTHERMAL MOTOR

Samuel G. Crane, Omaha, Nebr., assignor of one-half to Edgar B. Leaverton, Omaha, Nebr.

Application March 14, 1938, Serial No. 195,789
5 Claims. (Cl. 172—126)



1. An electrothermal actuating device comprising in combination with a source of current, an element heatable and expansible by the current from said source, translating mechanism including ratchet and pawl members, one of said members being connected to and actuable by said heatable element and the other being driven by the member so connected to the heatable element, switching means for intermittently applying the current to said element to cause the same to expand and contract alternately, operative connection between said translating mechanism and switching means for operating the latter in timed relation to the former, said switching means when closed short-circuiting said heatable element, and a predetermined load in series with said heatable element and switching means.

2,203,720
APPARATUS FOR DETECTING WATER INTRUSION IN BOREHOLES

Clarence R. Dale, Los Angeles, Calif., assignor, by direct and mesne assignments, to Dale Service Corporation, Los Angeles, Calif., a corporation of California

Application December 10, 1934, Serial No. 756,765
1 Claim. (Cl. 73—51)

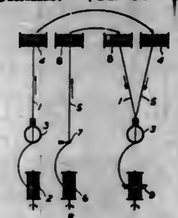


Apparatus for detecting water intrusion in a borehole comprising a casing, a photo-electric cell traversely mounted in said casing, a source of light in said casing, an L-shaped open passageway passing from the end of said casing between said source of light and said photo-electric cell and emerging through the side wall of said casing, means for raising and lowering said casing assembly in a borehole filled with liquid, a microammeter on the surface of the earth and leads electrically connecting said photo-electric cell to said microammeter.

2,203,721
CREPE YARN AND THE MANUFACTURE THEREOF

Robert McVane Dingley and William Alexander Dickie, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application July 4, 1939, Serial No. 282,780
In Great Britain July 15, 1938
6 Claims. (Cl. 57—140)

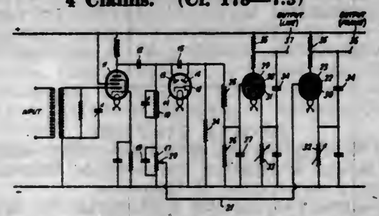


1. Method of making crepe yarns, comprising twisting in the same direction at least two ends of yarn, at least one in the presence of steam or other hot aqueous medium and at least one other in the absence of such medium and doubling said ends together with a final twisting also in the same direction effected in the presence of steam or other hot aqueous medium.

2,203,722
TELEVISION RECEIVER CIRCUIT

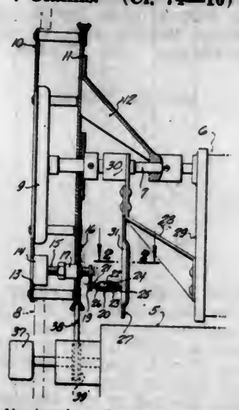
Charles Cecil Eaglesfield, Mitcham Junction, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application December 16, 1937, Serial No. 180,076
In Great Britain December 21, 1936
4 Claims. (Cl. 178—7.3)



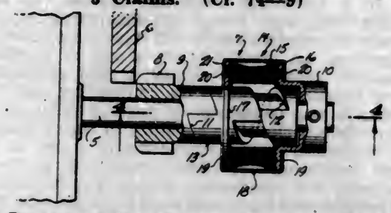
1. In a television receiving system for separating line and frame synchronizing signals wherein the signals are of different time duration comprising, an input circuit, a pair of rectifiers connected across said circuit, a first resistance, a first condenser, means for connecting said first resistance and condenser in parallel with one of said rectifiers, the time constant of the resistance and condenser being substantially equal to the frame synchronizing signal frequency, a second resistance and condenser, means for connecting said second resistance and condenser parallel with the other of said rectifiers, the time constant of the second resistance and condenser being substantially equal to the line synchronizing signal frequency, whereby the potentials appearing across said first and second resistances vary in accordance with the received frame and line synchronizing impulses respectively, a pair of condensers, means including a source of current for charging said condensers at a predetermined rate, and separate means for substantially instantaneously discharging said condensers, said last-named means being adapted to be controlled by the potentials across said first and second resistances.

2,203,723
TUNING DIAL
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application February 16, 1938, Serial No. 190,798
7 Claims. (Cl. 74—10)



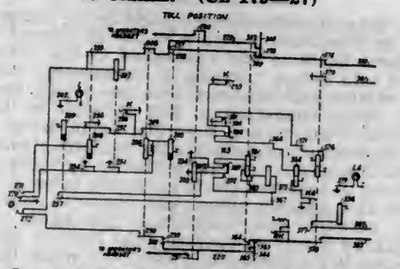
4. In a radio tuning device: a member movable to effect tuning of a receiver with which the device is associated; a series of depressible stops carried by said movable tuning member, each adapted to represent a predetermined broadcasting station; a part mounted in the back of the movable tuning member and having a flat surface coextensive with the range of movement of the movable tuning member and over which a depressible stop pushed into its operative position may slide as the movable tuning member is moved, and said part having a depression in its flat surface into which any such selected depressible stop engages to arrest tuning motion of the movable tuning member at a predetermined point.

2,203,724
ENGINE STARTER
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application February 20, 1939, Serial No. 257,437
3 Claims. (Cl. 74—9)



1. In an engine starter: a power shaft; a pinion movable along the shaft to and from an operative position in which it meshes with the ring gear of an engine; a sleeve extending from said pinion; an actuator for the pinion freely encircling a medial portion of the sleeve; a flanged abutment secured to the shaft adjacent to the end of the sleeve; an annular flange on the actuator medially of its ends; a resilient driving connection between the shaft and the pinion actuator including a rubber collar confined between said flanges and providing the sole driving connection between the shaft and the actuator; and a separate cam connection between the actuator and the pinion sleeve at each side of the actuator flange operable sequentially to move the pinion along the shaft to and from its operative position upon relative rotation between the pinion and its actuator, one of said cam connections including means for arresting movement of the pinion toward its operative position and for drivingly connecting the pinion with the actuator for rotation therewith.

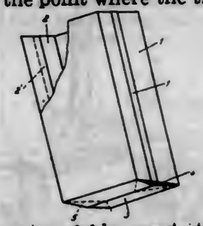
2,203,725
TELEPHONE SYSTEM
Irvin Geitgey, Elyria, Ohio, assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 16, 1938, Serial No. 225,165
19 Claims. (Cl. 179—27)



1. In a telephone system, a first toll exchange, subscribers' lines terminating in said exchange, an outgoing repeater and an incoming selector repeater in the first exchange, a second toll exchange, subscribers' lines terminating in said second exchange, a two-way two-conductor trunk line interconnecting said exchanges, the two conductors of said trunk line normally connected to said incoming selector repeater by way of said outgoing repeater in the first exchange, a selector repeater terminating said trunk line in the second exchange, means including a toll operator's position in the first exchange for operating said outgoing repeater to disconnect said two conductors of said trunk line from said incoming selector repeater and to operate said selector repeater over said trunk line for extending a toll call to a subscriber's line in the second exchange, and means including a toll board in the second exchange for operating said selector repeater to operate said incoming selector repeater over said trunk line for extending a toll call to a subscriber's line in the first exchange.

2,203,726
BAG OF PAPER OR LIKE MATERIAL AND THE MANUFACTURE THEREOF
Jan Cornelis Hellema, Zaandam, Netherlands, assignor to N. V. Papierwarenfabrik Voorheen Gebrs. Hellema, Zaandam, Netherlands, a company of the Netherlands
Application March 31, 1938, Serial No. 199,158
In the Netherlands January 31, 1938
1 Claim. (Cl. 229—61)

A collapsible bag of paper or the like forming in open condition a rectangular casing having a flat one-piece bottom and outwardly open triangular pockets adjacent said bottom, said bag comprising in collapsed condition a front and a rear panel integral with and folded upon one another about a transverse center fold, and two side panels having their longitudinal edges secured to the corresponding longitudinal edges of said front and rear panels and each being doubled upon itself inwardly between said front and rear panels about a longitudinal center fold, all said panels being provided with transverse creases parallel to said transverse center fold and at a distance therefrom equal to half the width of said side panels, each of said side panels being provided with two oblique creases running diagonally from the point where the transverse and



longitudinal center folds meet to the points where the transverse creases intersect the longitudinal edges of the side panel, the two contiguous triangular portions of each side panel defined by said oblique creases, the panel edges and the transverse center fold being adhered to the inner faces of said front and rear panels, respectively.

2,203,727
CONTACT STRUCTURE
John A. Herbst, Oradell, N. J., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application June 19, 1937, Serial No. 149,237
5 Claims. (Cl. 200—166)



1. An electrical switch structure comprising at least two complementary metallic contact members, mounting means whereby said contact members are movable towards and from each other for controlling the flow of current in an electrical circuit, said mounting means causing a wiping action between the contact members as they are moved into circuit closing position, at least one of said contact members comprising a finely divided metallic compound sintered with a metal binder which, when current passes through said contact member, melts sufficiently to release particles of the finely divided metallic compound at the point of contact and leave minute craters in the surface of the contact member thereby to cause the member to have and retain a hard, rough contact surface in operation, said rough contact surface and said wiping action causing frictional effects to damp the vibrations of said contact members and prevent contact bounce.

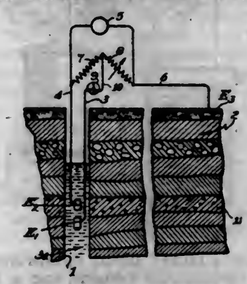
2,203,728
POLISHER
Arno M. Hutchinson, Mead, Wash.
Application December 3, 1937, Serial No. 178,605
1 Claim. (Cl. 15—231)

A polisher comprising a body of dimensions adapting it to be grasped in a person's hand, said body having longitudinally curved side edge faces converging and intersecting at ends of the body and formed with a groove extending entirely about the body in spaced relation to upper and lower edges of the side faces, the under face of the body being formed with a pocket spaced from its margins and having undercut side walls, the portion of the under face bordering the pocket being flat and unobstructed, a pad filling said pocket and having feathered marginal portions extending across the marginal portions of the under face of the body in flat contacting engagement therewith, said pad having its under face transversely arcuate for its full width and terminating at edges of the under face of the body, a covering sheet of polishing material disposed in smooth contacting engagement with the under face of said pad and having its marginal por-



tions extending upwardly against side faces of the body and engaged in said groove, a clamping band of resilient metal extending about the grooved portion of said body and the marginal portions of said covering sheet with its end portions overlapped and formed with interengaging teeth, and a yoke carried by one end portion of said band and engaging about the other end portion of the band to firmly hold the teeth interengaged with each other and releasably maintain the band constricted about the body for binding the marginal portions of the covering sheet in the groove and holding the sheet tightly stretched across the pad.

2,203,729
METHOD AND APPARATUS FOR USE IN DETERMINING THE GEOLOGIC NATURE AND CHARACTERISTICS OF A FORMATION TRAVERSED BY A BOREHOLE
John Jay Jakosky and Patrick B. Lyons, Los Angeles, Calif., assignors, by direct and mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application November 19, 1938, Serial No. 241,402
11 Claims. (Cl. 175—182)



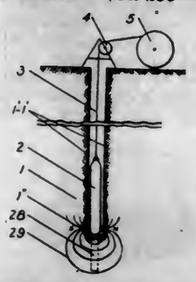
9. An apparatus for determining the anisotropy of a formation traversed by a borehole, which comprises: a pair of electrodes positioned within a borehole and spaced vertically from one another and in electrical contact with the fluid contained therein; a third electrode electrically connected to the earth at a position laterally removed from said borehole; means for moving said pair of electrodes to different depths in said borehole; and means associated with said electrodes for directly measuring a quantity indicative of variations in the anisotropy of the strata at different depths.

2,203,730

METHOD AND APPARATUS FOR DETERMINING THE STRIKE AND DIP OF SUBSURFACE STRATA

Curtis H. Johnson, Santa Monica, Calif.

Application January 27, 1939, Serial No. 253,128
20 Claims. (Cl. 255—1)



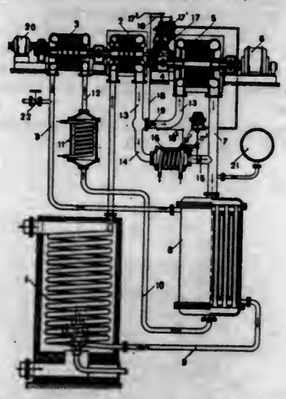
1. The method of determining the strike and dip of substrata of the earth which includes the steps of impressing a polarity on said substrata, determining the direction of said polarity prior to removing a sample from said substrata, removing a sample from said substrata, and determining the direction of said polarity in said sample after removing said sample from said substrata.

2,203,731

MEANS FOR REGULATING AND STARTING THERMAL POWER PLANTS

Curt Keller, Zurich, Switzerland, assignor to Aktiengesellschaft für Technische Studien, Zurich, Switzerland

Application January 21, 1938, Serial No. 186,113
In Switzerland January 25, 1937
6 Claims. (Cl. 60—59)



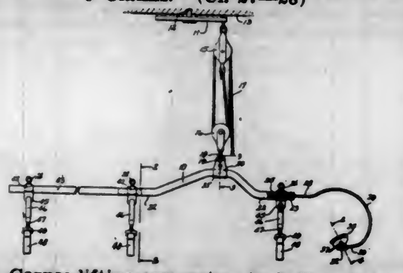
1. A thermal power plant comprising in combination, a circulation system and a compressor serving to force a working medium through said system, means for heating the working medium, at least two turbines inserted in said system, the first one arranged to drive said compressor, while the second one is arranged for delivering part of its energy externally, a connecting pipe leading from the first to the second turbine, a by-pass branched off said connecting pipe and leading back into the circulation system behind said second turbine, an auxiliary cooler in said by-pass and a shut-off device operatively connected with said by-pass and controlling the passage therethrough of the working medium.

2,203,732

CORPSE LIFTING APPARATUS

August B. Kubach, South Milwaukee, Wis.

Application February 2, 1939, Serial No. 254,230
9 Claims. (Cl. 27—28)



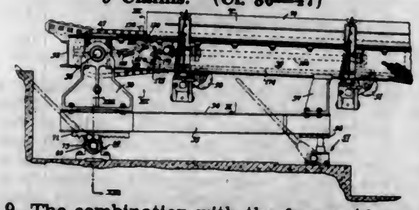
1. Corpse lifting apparatus, including the combination with suitable lifting tackle, of a lifting rod having an upwardly arched central portion anchored to the lifting tackle, slings adjustably connected with its end portions and adapted to be longitudinally adjusted along the lifting rod to substantially balance the load with reference to the point of connection with the lifting tackle, and means for temporarily securing the slings to the rod in various positions of adjustment along its end portions, said upwardly arched central portion being adapted to limit tilting movements of the load when slightly unbalanced.

2,203,733

FEEDER AND CATCHER TABLE MECHANISM

Roy J. Leckrone, Mount Lebanon, Pa., assignor to Continental Roll & Steel Foundry Company, a corporation of Delaware

Application June 8, 1937, Serial No. 146,998
9 Claims. (Cl. 80—47)



9. The combination with the frame side members and platform of a material handling table, of a chain conveyor comprising separated endless chains having their upper flights mounted for movement above said platform, and a shuffling mechanism comprising spaced side guides located outside of the upper runs of said conveyor chains and extending above the same, support arms for said side guides hinged to support members located below the table side members and which are movable to different positions laterally of the table, means for locking said support members in adjusted position and means for simultaneously rocking said support arms to move said side guides toward or from said conveyor.

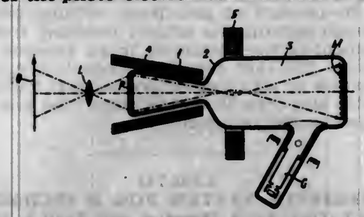
2,203,734

ELECTRON LENS

Hans Gerhard Lubszynski, Hillingdon, Middlesex, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application May 12, 1938, Serial No. 207,470
In Great Britain May 20, 1937
2 Claims. (Cl. 250—153)

2. An electron discharge device including a photo-cathode electrode upon which an optical image may be projected and from which an electron current image may be derived, means for directing the photo-electrons constituting the current image along a predetermined path including a long frustro-conical electromagnetic coil arranged concentrically about the path with its larger end directed toward said photo-cathode and adapted to be energized so as to set up a magnetic lens field for causing the cross-sectional area of the photo-electron beam to become materially reduced, means including a second electromagnetic coil adapted to be energized so as to set up a second magnetic lens field for acting on said converged photo-electron beam to cause divergence of the beam to produce an electron image, and an electrode responsive to the electron image upon which the produced electron image may be focused, whereby distortions may be reduced by reason of the convergence and divergence of the electron current image.

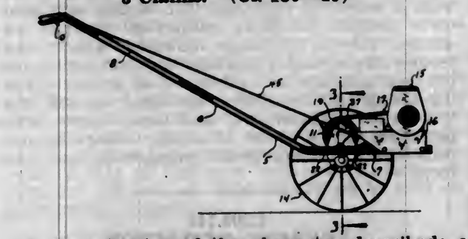


2,203,735

HAND TRACTOR

Perry E. Mack, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application July 19, 1937, Serial No. 154,441
3 Claims. (Cl. 180—19)



1. In a tractor of the character described: a pair of traction wheels; an axle for the wheels; an engine; means for transmitting power from the engine to the axle including speed reduction transmission mechanism; a housing for said transmission mechanism, said housing consisting of two complementary sections; means for securing said sections together; bearings carried by the housing sections for the axle; and a pair of elongated rails providing an engine support and handles for the tractor clamped to the opposite sides of the transmission housing by part of the means securing the housing sections together.

2,203,736

TUNING CONTROL FOR RADIO RECEIVERS

Werner Mahnken, Blankenfelde, Mahlow, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application October 8, 1937, Serial No. 167,987
In Germany October 8, 1936
4 Claims. (Cl. 74—10)

1. Mechanism for controlling the tuning of a radio receiver, comprising a driven tuning shaft and a driving control shaft, said shafts being coaxially aligned and relatively movable, means carried by each of said shafts at their adjacent ends which are adapted to co-act during rotation of the control shaft through a predetermined angle to drive the tuning shaft through a coarse adjustment, a friction disc movably mounted with the driven shaft, a second friction disc co-



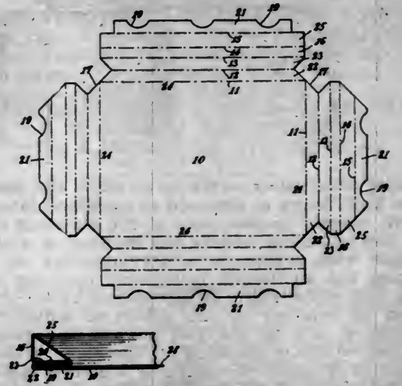
operating with the first disc and loosely mounted on said driven shaft, and means controlled by the driving shaft in either direction of its rotation for causing a fine adjustment of the tuning shaft through engagement of said friction discs.

2,203,737

PICTURE FRAME

Samuel S. Moore, Brooklyn, N. Y.

Application September 13, 1939, Serial No. 294,577
3 Claims. (Cl. 40—154)



1. In a device of the class described, a substantially rectangular blank of cardboard formed with cut-away rectangular portions at the corners thereof, said blank having a central panel, the blank being formed with creases upon each side of the latter, parallel to the sides thereof and parallel to each other, whereby to provide a plurality of sections foldable upon each other, the sections nearest to the central panel being folded upon themselves and placed over the margin of the central panel but slightly spaced from the latter, the outermost section being placed between said margin and said folded-over sections, the section nearest the outermost one forming an inclined wall of the frame, and the remaining section an outer vertical wall of the frame, and wire staples for securing the sections nearest to the blank proper fixedly to said blank.

2,203,738

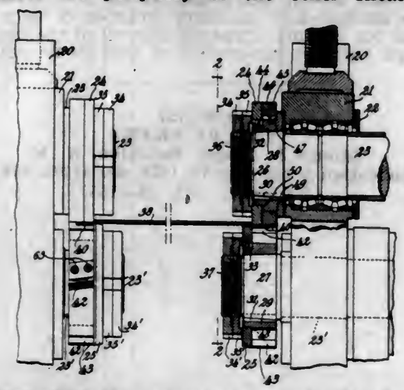
MEANS FOR SEVERING MARGINAL TRIMMINGS AS THEY ARE CUT FROM SHEET-METAL STRIP

Leonard W. Nash, Damascus, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware

Application October 14, 1939, Serial No. 299,425
3 Claims. (Cl. 164—10.6)

1. The combination, with a pair of rotary shearing cutters, adapted to continuously trim the margin of sheet-metal strip as it is fed between them, and a pair of arbors to serve as

their mounting means, of means for intermittently severing the resulting marginal scrap, as it is sheared from the body portion of the strip, into a succession of separated pieces of predetermined length, said severing means comprising a knife mounted on the arbor of that one of the two shearing cutters which is designed to be farthest from the margin of the strip to be trimmed and so positioned with respect thereto that its edge may be forced into and caused to sever the scrap as it is sheared by pressing it against the periphery of the other shearing



cutter which thus serves as an anvil, the edge of the knife being so disposed as to extend laterally with respect to the plane of the shearing edges of the trimming cutters and inclined at a slight angle with respect to a perpendicular to said plane, the inclination being such that the leading end of the knife, as determined by the direction of rotation of the arbor on which it is mounted, will be the end nearest the shearing cutter which is mounted on the same arbor, so that as it enters the piece of trimmed material to be severed it will tend to deflect it away from the adjacent trimmed edge of the body portion.

2,203,739

FLOTATION REAGENT

Emil Ott, Elsmere, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 10, 1937, Serial No. 153,064

9 Claims. (Cl. 252—9)

1. A flotation reagent consisting of the reaction product of an alkali metal hydroxide, carbon disulfide and a crude mixture of organic sulfur compounds rich in alkyl mercaptans but containing a minor amount of non-mercaptan organic sulfur compounds, said crude mixture being that by-product of petroleum refining obtained by steam blowing the extract resulting from the treatment of petroleum in an aqueous alkali solution, the said reaction product comprising a mixture of alkali metal mono-alkyl trithiocarbonates, and other organic sulfur compounds.

2,203,740

METHOD FOR THE FLOTATION OF ORES

Emil Ott, New Castle, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application July 10, 1937, Serial No. 153,064. Divided and this application September 17, 1938, Serial No. 230,385

3 Claims. (Cl. 209—166)

1. In a process for the concentration of sulfide ores and sulfide minerals, by froth flotation, the step which comprises subjecting the ore in the form of a pulp to froth flotation in the presence of a flotation reagent consisting of the reaction product of an alkali metal hydroxide, carbon disulphide and a crude mixture of organic sulfur compounds rich in alkyl mercaptans but containing a minor amount of non-mercaptan organic sulfur compounds, the said crude mixture being that by-product of petroleum refining obtained by steam blowing the extract resulting from the treatment of the petroleum in an aqueous alkali solution, the said reaction product, comprising a mixture of alkali metal mono-alkyl trithiocarbonates and organic sulfides, disulfides and more complex sulfur compounds.

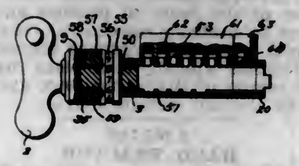
2,203,741

REGISTER SYSTEM FOR WATCHMEN

Elvin L. Overstreet, Houston, and Emil L. Harris, Park Place, Tex.

Application July 24, 1936, Serial No. 92,404

9 Claims. (Cl. 177—360)



1. In a registry system a register comprising an outer cylindrical sleeve provided with inwardly, spring pressed tumblers, a middle tumbler guiding sleeve within said outer sleeve and provided with a series of openings into which said tumblers project, an inner cylindrical tumbler engaging sleeve rotatably mounted within said second sleeve, and a shoulder and pin connection between said sleeves and shank so arranged that the shank and the sleeves are fixed against relative axial displacement, said inner sleeve being provided with a series of axially elongated perforations to be selectively engaged by the tumblers.

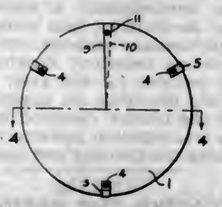
2,203,742

CURRENT DEFLECTOR

Valdy C. Overton, Houston, Tex.

Application August 6, 1938, Serial No. 223,449

2 Claims. (Cl. 230—274)



1. A current deflector for an electric fan, said deflector comprising a fan guard forming a support, a flat circular plate formed of flexible material and having a radial slit to receive a side bar of the fan guard whereby the plate may be inserted into the guard, the margins formed by the slit overlapping, means for securing the overlapped margins together whereby the sheet is held deformed in a substantially conical shape and means on the margin of the deflector for securing the deflector to the fan guard with the margin of the deflector directed forwardly.

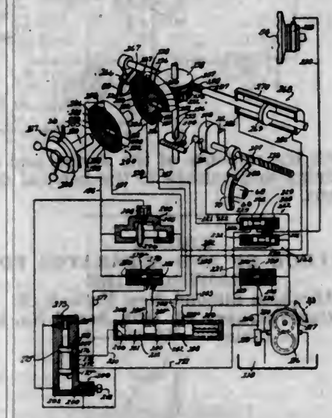
2,203,743

MACHINE TOOL TRANSMISSION AND CONTROL

Fred A. Parsons, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application February 20, 1937, Serial No. 126,779

47 Claims. (Cl. 74—328)



1. In a transmission and control mechanism the combination of a rate changer having frictionally engaged elements adjustable for relatively high and low speeds and a substantially stepless series of intermediate speeds, indicator means including a speed indicating chart having a range corresponding to said series of speeds and an indicator progressively adjustable relative to said chart, and means connecting said rate changer and indicator means for substantially simultaneous adjustment to corresponding speed and indicator positions respectively, said connecting means including mechanism altering the relative rate of indicator and rate changer adjustment effected at different points in said simultaneous adjustment.

2,203,744

INSECTICIDE

Charles H. Peddrick, Jr., Northville, N. Y., assignor to Feldspathic Research Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 28, 1938, Serial No. 237,463

4 Claims. (Cl. 167—14)

1. An insecticide comprising a finely divided mineral selected from the class consisting of pyrophyllite, bauxite, alunite and topaz, the individual particles of which contain a partial coating of aluminum fluoride.

2,203,745

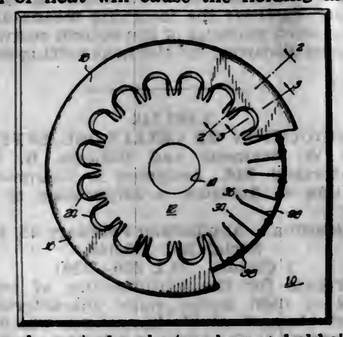
HEAT ACTUATED CLIP FOR HOLDING CIGARETTES AND THE LIKE

Walford S. Redene, Oskaloosa, Iowa

Application February 11, 1939, Serial No. 255,836

10 Claims. (Cl. 131—240)

1. A heat actuated clip for holding cigarettes or the like comprising, in combination, complementary holding members spaced by a distance when cool sufficient to grip a cigarette or the like, said holding members being composed of a thermo-sensitive material which upon the application of heat will cause the holding members



to spread apart whereby to release a held cigarette or the like.

2,203,746

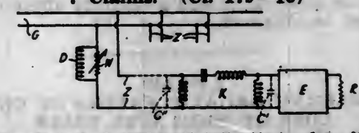
RADIO FREQUENCY DISTRIBUTION SYSTEM

Hans Otto Roosenstein, Berlin-Tempelhof, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application September 3, 1938, Serial No. 228,306

In Germany July 29, 1937

7 Claims. (Cl. 179—15)



1. A system for the distribution of radio frequency signals including television, comprising a main transmission line and a plurality of branch lines, the latter each having connected thereto at least one receiver of such signals, characterized in that the input impedance of each receiver constitutes an element of a filter network included in the branch line, said network having such values of inductance and capacity as to constitute an ohmic resistance which is substantially constant over the received frequency range or band.

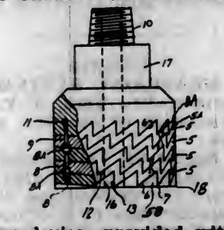
2,203,747

LAMINATED DISK DRILL BIT

Harvey D. Sandstone, Los Angeles, Calif.

Application September 20, 1937, Serial No. 164,707

3 Claims. (Cl. 255—61)



1. A boring device, provided with a body to which a plurality of cutting elements are separately and individually detachably mounted, said elements being positioned to form a stack with one element on top of another, said elements being ridged and grooved on both sides for the purpose of forming cutting edges as well as securing them interlockingly together; fastening means associated therewith, said fastening means

adapted to release the bottom cutting element of the stack when the abrasive action of the well formation destroys the fastening means and allows the worn particles of the bottom cutting element to be discarded for the next cutting element above.

2,203,748

PRODUCTION OF CELLULOSE ESTERS

George W. Seymour and Blanche B. White, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 28, 1939, Serial No. 258,948

2 Claims. (Cl. 260—230)

1. Process for the manufacture of cellulose acetate of high acetyl value characterized by being stable and soluble in acetone, which comprises adding to the primary solution, containing the cellulose acetate, acetic acid as solvent for the cellulose acetate and an acid catalyst, at a point where the cellulose acetate has an acetyl value of substantially 62.5%, calculated as acetic acid, an organic solvent diluent selected from the group consisting of methyl acetate, ethyl acetate, dioxan and ethylene formal and precipitating the cellulose acetate, before appreciable hydrolysis thereof, from the resulting solution, whereby a stable, acetone-soluble cellulose acetate having an acetyl value of 59–61.9%, calculated as acetic acid, and a viscosity above 0.5 as defined is obtained.

2,203,749

STABILIZING ORGANIC ESTERS OF CELLULOSE OF HIGH ACYL VALUE

George W. Seymour and Blanche B. White, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 28, 1939, Serial No. 258,951

9 Claims. (Cl. 260—230)

1. Process for the manufacture of high acyl value cellulose esters of lower fatty acids characterized by being fibrous in form and soluble in acetone, which comprises esterifying cellulosic material in a medium which dissolves the cellulose ester formed and which contains as catalyst a proportion of from 16 to 30% of sulphuric acid, based on the weight of the cellulose, adding methyl acetate to the resulting primary solution, neutralizing the excess sulphuric acid in said primary solution, and then precipitating the cellulose ester from the solution in fibrous form as an acetone-soluble product having an acyl value above 55%.

2,203,750

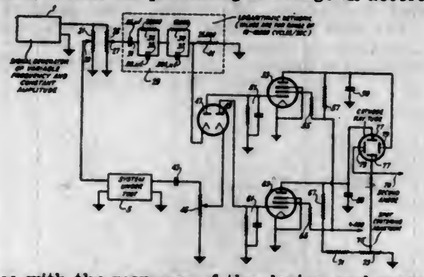
MEASURING SYSTEM

Jesse B. Sherman, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application August 31, 1937, Serial No. 161,795

3 Claims. (Cl. 175—183)

1. A system for determining the frequency response characteristics of a device comprising means for producing a variable frequency source of energy of constant amplitude, a frequency discriminating network, means for applying the said energy to said network to produce a voltage which is a function of the frequency applied thereto, a cathode ray tube comprising an electron gun structure and horizontal and vertical deflecting means, means for applying the produced voltage to the horizontal deflecting means, means for applying the said energy to the device the frequency response of which is to be determined, means for producing a voltage in accord-



ance with the response of the device, and means for applying said voltage to the vertical deflecting means.

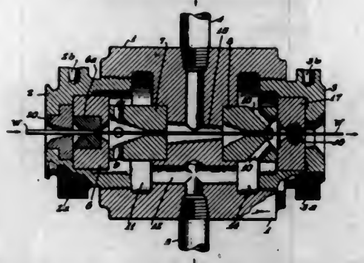
2,203,751

METHOD OF AND APPARATUS FOR DRAWING WIRE

Abraham Simons, New York, N. Y.

Application February 26, 1938, Serial No. 192,706

4 Claims. (Cl. 205—25)



1. In the art of drawing wire through a die which has a bore having a longitudinal axis, those steps which consist in contacting the wire, anterior the die, with a moving body of lubricant while moving a first part of said body of lubricant under pressure in the direction of movement of the wire and moving a second part of said body of lubricant under pressure in a direction opposed to the direction of movement of the wire, moving the first part of said body of lubricant away from the die in a first zone which is anterior the die and in a direction which is inclined to said axis, and scouring the wire with said lubricant anterior said first zone in a second zone, the velocity of the lubricant being greater in the second zone than in the first zone.

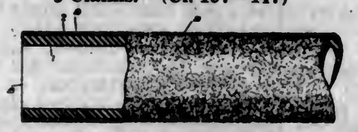
2,203,752

PLATEN AND METHOD OF MANUFACTURING THE SAME

Burns Lyman Smith, Los Angeles, Calif.

Application November 12, 1938, Serial No. 240,077

5 Claims. (Cl. 197—147)



1. As a new article of manufacture, a platen for a writing machine comprising a body of resilient material so formed as to have at least

one uniform writing sub-surface, a thin layer of cementitious material on said sub-surface and a dense, closely laid layer of fibrous flock-like material adherent to and partly embedded in said cement in such manner that the sub-surface and cement layer is completely covered by fibers.

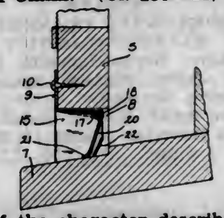
2,203,753

SASH DRAIN

Gustav E. Strandt, Milwaukee, Wis.

Application July 13, 1938, Serial No. 218,925

1 Claim. (Cl. 156—14)



A device of the character described, comprising a fitting unitarily applicable to a notched sash and comprising a downwardly notched face plate, a housing open at its bottom and comprising a top and sides projecting inwardly from said face plate, a trap door disposed at an outward inclination within the housing, and means providing a pivotal connection between the trap door and the housing adjacent the upper edge portion thereof, from which connection the trap door extends outwardly and downwardly, said housing comprising means supporting the trap door against reversal of its angle of inclination.

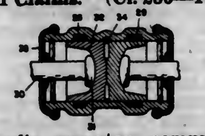
2,203,754

HYDRAULIC OPERATOR

George Joseph Thomas, Birmingham, Mich.

Application December 28, 1936, Serial No. 117,943

11 Claims. (Cl. 286—14)



1. A hydraulic operator, comprising cylinder and piston members, one of said members having an annular groove opening toward the other and provided with a main portion and a beveled portion at an edge thereof, and a packing ring normally occupying only said main groove portion and having a shape substantially corresponding thereto, said ring also having a mass greater than the volumetric capacity of said main groove portion, said packing ring being subjected to distortion when said cylinder and piston members are assembled thereby to displace a portion of the packing ring into said beveled groove portion so as to occupy the same.

2,203,755

TELEPHONE SYSTEM

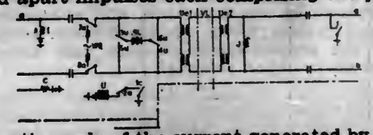
Herbert Töpfer, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany

Application January 28, 1938, Serial No. 187,505

In Germany January 30, 1937

18 Claims. (Cl. 179—16)

1. An impulse sender, including means for generating alternating current, a rectifier for blocking the transmission of either the positive or the negative portion of said alternating current, and impulse operated means controlling said first means and said rectifier to transmit one or more spaced apart impulses each comprising the posi-



tive portion only of the current generated by said first means for an interval of time followed by the negative portion only of the current generated by said first means for an interval of time.

2,203,756

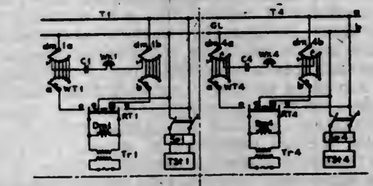
TELEPHONE SYSTEM

Richard Urban, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany

Application February 24, 1938, Serial No. 192,213

In Germany March 8, 1937

19 Claims. (Cl. 179—28)



1. In combination with a telephone system comprising a party line serving a plurality of stations each having connected to said line a selecting device, a synchronous motor at each station for driving the selecting device at that station, and an alternating current network serving said stations independently of said telephone line for operating said motors in synchronism.

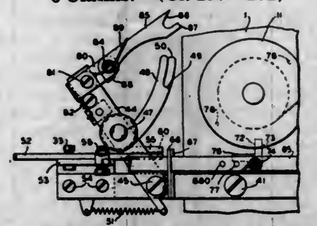
2,203,757

RIBBON INKING DEVICE

Paul E. Vega, New York, N. Y., assignor to The Associated Press, New York, N. Y., a corporation of New York

Original application July 31, 1936, Serial No. 93,576. Divided and this application July 22, 1938, Serial No. 220,624

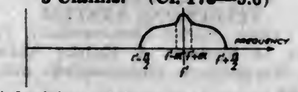
6 Claims. (Cl. 197—171)



1. In a typewriting machine having a ribbon, a pair of ribbon spools therefor, and a ribbon feed mechanism, means for inking said ribbon comprising a pair of ink receptacles, each provided with a wick, an arm for supporting a receptacle pivoted adjacent to each ribbon spool, springs tending to move the arms so as to cause the wicks to engage and ink the ribbon on the respective spools, a pair of latches associated with each of

said arms for retaining the receptacles and wicks out of contact with the ribbon, a first latch of each pair being manually operable to release the arm associated therewith, the second of said latches being adapted to retain said arm after its release by the first latch, and a member controlled by said ribbon feed mechanism adapted to trip the second latch of each pair alternately after each ribbon reversal.

2,203,758
TELEVISION SYSTEM
Louis Edward Quintrell Walker, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application March 11, 1939, Serial No. 261,260
In Great Britain March 14, 1938
3 Claims. (Cl. 178—5.6)



1. A television picture and sound transmitter comprising means for sub-dividing the total picture signal band into two approximately equal sub-bands, a lower sub-band and an upper sub-band, a source of oscillations of a constant frequency substantially equal to the lowest frequency in the upper sub-band, heterodyne means including said source of oscillations for shifting the upper sub-band so that it extends from substantially zero up to a maximum frequency equal to approximately one-half the largest frequency in the total picture signal band, means for eliminating from the shifted sub-band a range of frequency extending from zero up to the maximum sound frequency required to be transmitted so as to produce a resultant limited shifted sub-band, two separate carrier frequencies, means for modulating one of said carrier frequencies with the lower sub-band, means for modulating the other of said carrier frequencies with the limited and shifted upper sub-band, and also with the sound signal band, and means for transmitting the two modulated carrier frequencies.

2,203,759
PUMP VALVE WITH GAS CHAMBER IN CAGE
Elmer G. Ware, Bakersfield, Calif.
Application August 27, 1938, Serial No. 227,162
1 Claim. (Cl. 103—225)



In combination with the barrel of a pump, a cage located in said barrel, said cage being internally bored to provide a ball guideway and slotted in the wall resulting from the bore for the passage of fluid, said cage being counterbored from the upper end of the internal bore to provide a closed-ended surge chamber and being flared at its entrance to form a valve seat at the upper end of the guideway, a complemental seat carried by the cage at the lower end of the guideway, and a ball valve constituting the sole occupant of the guideway, being movable therein but directly subject to restriction in one of its seating movements by the diversion of the fluid into the surge chamber when said valve is in the action of seating on the lower seat.

2,203,760
ULTRA-SHORT-WAVE TRANSMITTING AND RECEIVING DEVICE
Ernst Wilckens, Berlin-Sudende, Germany, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany
Application April 23, 1937, Serial No. 138,547
In Germany March 13, 1936
1 Claim. (Cl. 250—33)

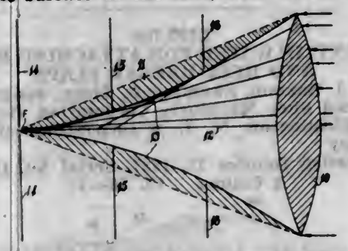


In an ultra-short wave transmitting and receiving system, the combination with an antenna detachably associated with the operative elements of said system, of antenna supporting means arranged to permit slidable passage of said antenna from the interior of a chamber housing operative elements of said system to a desired position externally thereof and arranged to receive an end of a replacement antenna conjointly with said first mentioned antenna, said supporting means including a collapsible tube housing for said antenna, having a collar-provided opening arranged in register with an opening in a wall of said chamber and an antenna receiving bushing arranged for engagement with said collar to support said bushing internally of said housing when said antenna is in position externally of said chamber, said housing having gate means arranged to substantially seal said housing opening against the influx of outer atmosphere into said chamber when said antenna is fully withdrawn into said chamber.

2,203,761
BAFFLE FOR LIGHT SENSITIVE CONTROL APPARATUS
Merrel Omer Williams, Liverpool, England, assignor to Automatic Telephone & Electric Company, London, England, a British company
Application January 29, 1938, Serial No. 187,630
In Great Britain February 20, 1937
1 Claim. (Cl. 250—41.5)

A photoelectric detector for registering the presence of objects in the path of a light beam focussed onto a photo-tube by means of a simple lens comprising suitable screens spaced at intervals between the tube and the lens, said screens having openings whose edges define a cone, and each opening corresponding to the section of the caustic surface at the point of location of the

screen, said openings defining a cone whose surfaces are curved in conformity with the curved caustic surface of the lens, said cone confining



the light passing through the lens to paths within said curved caustic surface in order that light not striking the lens parallel to its axis shall be prevented from reaching the tube.

2,203,762
MULTIFILAMENT ELECTRIC LIGHT BULB AND CONTROL SWITCH THEREFOR
Nick Zagmeester, Niagara Falls, N. Y.
Application January 26, 1939, Serial No. 252,963
8 Claims. (Cl. 173—347)



1. An adapter for use with multifilament lamp bulbs, wherein the lamp bulb has a ground and a terminal for each filament, comprising a suitable plug having a socket ground at one end and a plug ground at the other end, a pair of resilient contacts in the socket end and a contact in the plug end, means for selective or simultaneous operation of the contacts in the socket end of the switch plug, a holder for said resilient contacts disposed at the outer sides thereof, and cooperating guide means for the resilient contacts carried by said contacts and holder, said holder carrying the contact at the plug end of the adapter and an exposed head forming a part of the ground at the plug end.

2,203,763
NONDETONATING ENGINE
Victor F. Zahodiakin, Forest Hills, N. Y.
Original application June 3, 1937, Serial No. 146,267, now Patent No. 2,120,344, dated June 14, 1938. Divided and this application June 13, 1938, Serial No. 213,537
6 Claims. (Cl. 123—173)

1. A head for the cylinder block of an internal combustion engine, said cylinder block including gas inlet and outlet passageways and cylinders opening to the top of the block, said head being of hollow form to provide a water jacket and including recesses in its underside providing combustion chambers when disposed on said block over said passageways and cylinders, the walls of the combustion chamber decreasing in thickness

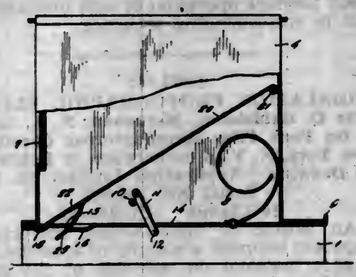


as they are more distant from the gas inlet, said decrease in thickness occurring substantially constantly along the entire path of flame travel.

2,203,764
WARNING AGENT FOR POISONOUS GASES
Roger Gordon Aitken, McMasterville, Quebec, and Charles J. S. Warrington, Westmount, Quebec, Canada, assignors to Canadian Industries Limited, Montreal, Quebec, Canada, a corporation of Canada
No Drawing. Application January 29, 1938, Serial No. 187,682. In Canada May 3, 1937
14 Claims. (Cl. 167—39)

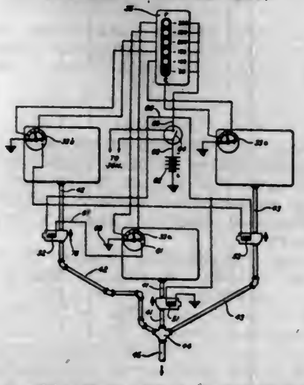
1. A method of producing a fumigating gas which comprises treating with an acid a mixture comprising a cyanide selected from the group consisting of the alkali metal and alkaline earth metal cyanides and a compound selected from the group consisting of insoluble metal sulfites and addition compounds of alkali metal bisulfites with aldehydes.

2,203,765
TOOTHPICK DISPENSER
Christ Anderson, Ontonagon, Mich., assignor of one-third to Charles A. Willman and one-third to Roy Muskatt, both of Ontonagon, Mich.
Application August 24, 1939, Serial No. 291,768
2 Claims. (Cl. 312—77)



1. A dispensing device of the class described comprising a base having a slot in its front part and a guiding depression in rear of said front part, a case slidably arranged on the base, a downwardly and forwardly sloping member in the case, means for pivotally supporting the rear end of said member in the case, the front end of said member being provided with a notch and a tongue which curves downwardly and forwardly for resting on the base for holding the sloping member in a position with its front end adjacent the front wall of the case, said tongue engaging in the guide means and then in the slot when the case is moved forwardly, the engagement of the tongue in the slot moving the sloping member downwardly to space its front end from the front wall of the case to permit an article to pass between said front end and said front wall, and said front end of the base having receiving means therein for receiving the object dropping from the sloping member.

2,203,766
MEASURING INSTRUMENT
Howard Baer, Jersey City, N. J., and Martin J. Finnegan, New York, N. Y., assignors to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application June 9, 1936, Serial No. 84,360
2 Claims. (Cl. 73—313)



1. In combination with a series of tanks, each having a float therein, a series of circuit controllers each movable with one of said floats, circuits connecting with each of said circuit controllers, an indicator having a series of indicating elements, one for each of said circuits, operable in sequence as said circuits are operated sequentially by said circuit controllers in response to descent, in sequence, of said floats, and means controlled by said circuit controllers for insuring the emptying in sequence of the tanks containing said floats, whereby said floats are caused to operate said circuit controllers in sequence and thereby produce operation of said indicating elements in corresponding sequence.

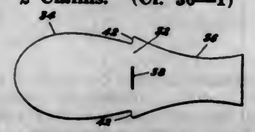
2,203,767
ANTIHALATION PHOTOGRAPHIC ELEMENT
Walter D. Baldsiefen, Metuchen, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 25, 1938, Serial No. 186,907
10 Claims. (Cl. 95—9)

2. An article of manufacture comprising a transparent support, a coating of sensitized photographic material on one side of the support and a layer coated on the other side of the support formed of a water soluble vinyl alcohol polymer which layer contains a water soluble sulfate of an aliphatic monohydric alcohol containing at least 8 carbon atoms and an antihalation dye.

2,203,768
ANTIHALATION PHOTOGRAPHIC ELEMENT
Walter D. Baldsiefen, Metuchen, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 25, 1938, Serial No. 186,908
10 Claims. (Cl. 95—9)

1. An article of manufacture comprising a transparent support, a coating of sensitized photographic material on one side of the support, and a layer coated on the other side of the support formed of a water soluble carbohydrate glycollate which layer contains a water soluble sulfate of an aliphatic monohydric alcohol containing at least 8 carbon atoms and an antihalation dye.

2,203,769
PYROXYLIN WAFER FOR ATTACHING HEELS AND HEEL-BREAST FLAPS
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 12, 1937, Serial No. 168,599
2 Claims. (Cl. 36—1)

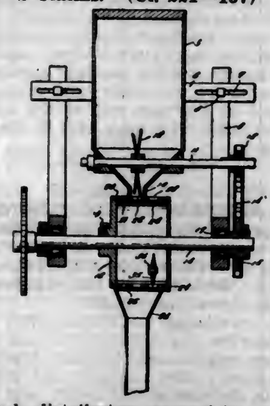


1. A pyroxylin wafer for use in attaching a heel to a shoe and securing a covering flap to the breast of the heel comprising a rear portion slightly smaller than the attaching face of the heel and a front portion of a size suitable to cover the breast of the heel, said wafer having an elongated slot which extends through and widthwise of the wafer and which is positioned between the front and rear portions of the wafer and is adapted to receive a tool for facilitating the handling of the wafer.

2,203,770
REFRACTORY AND METHOD OF MAKING IT
Raymond C. Benner and George J. Easter, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application October 25, 1937, Serial No. 170,849
8 Claims. (Cl. 106—9)

1. A glass tank comprising cast refractory blocks consisting principally of alumina and containing over 5% of iron oxide.

2,203,771
PLANTER BOX
William B. Bennett, Seagraves, Tex., assignor of one-half to William Shaw, Los Angeles, Calif.
Application March 4, 1939, Serial No. 259,882
2 Claims. (Cl. 221—137)



1. A feed distributor comprising a hopper, means for adjustably supporting the hopper horizontally, said hopper having a discharge mouth, an arcuate extension on one side of the mouth, an arcuate removable cover plate at the other side of the mouth, said extension and cover plate cooperating to form the side walls of a casing, a discharge spout connected to the lower edges of said extension and said cover plate, a rotatable shaft, a disk secured to the shaft, and a circular seed band carried by the disk and rotatably mounted in said casing, said band having a plurality of circumferential rows of openings adapted for selectively registering with the mouth of the hopper upon horizontal adjustment thereof.

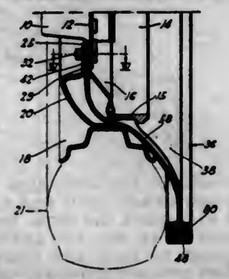
2,203,772
FORMALDEHYDE-UREA MOLDING COMPOSITION
David E. Cordier, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application August 12, 1938, Serial No. 224,562
4 Claims. (Cl. 260—71)

1. A thermosetting molding composition comprising a formaldehyde-urea reaction product and an approximately neutral ester of a monobasic organic acid with the oxime of an aliphatic ketone as a latent accelerator.

2,203,773
FORMALDEHYDE-UREA MOLDING COMPOSITION
David E. Cordier, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application August 12, 1938, Serial No. 224,639
4 Claims. (Cl. 260—71)

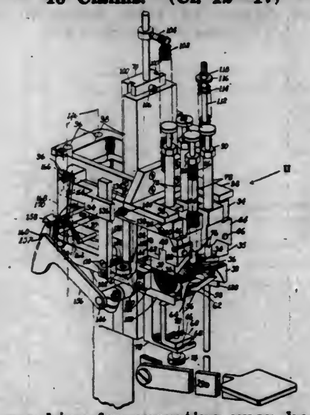
1. A thermosetting molding composition comprising a formaldehyde-urea reaction product and a latent accelerator selected from the group consisting of delta glucono lactone and gamma galactono lactone.

2,203,774
VEHICLE WHEEL
Arnold J. Cornelissen, Buffalo, N. Y.
Application April 28, 1937, Serial No. 139,531
3 Claims. (Cl. 301—38)



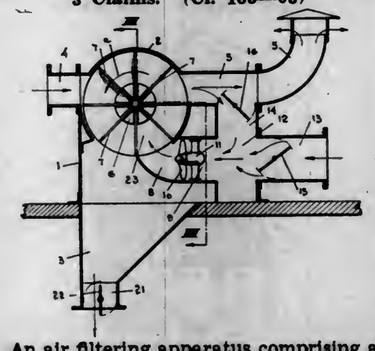
2. A vehicle wheel device comprising an axle engaging hub member, an integral normal road engaging primary wheel member having a reversely curved disc body portion supported by said hub, a brake drum supported by said hub independently of said primary wheel member and disposed substantially within the confines of said primary wheel member, an auxiliary wheel mounted upon said hub and extending between said primary wheel and said brake drum, said auxiliary wheel comprising a body portion in the general shape of a frusto-cone and a circumferential rim member disposed in a plane offset from the confines of the primary wheel, and gusset members extending radially and axially between the auxiliary wheel and the primary wheel to provide stress-reducing members therebetween and to centrifugally motivate air adjacent said primary wheel member upon rotation of said wheel device.

2,203,775
BREAST FLAP MOLDING MACHINE
Michele Cuozzo, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 24, 1939, Serial No. 286,219
18 Claims. (Cl. 12—17)



1. A machine for operating upon heel-breast-covering flaps having, in combination, molding units constructed and arranged to stretch the lateral base portions respectively of a heel-breast-covering flap lengthwise, and means for moving one of said units away from the other to stretch the flap widthwise.

2,203,776
AIR FILTERING APPARATUS
Nils Danils, Goteborg, Sweden
Application October 31, 1938, Serial No. 238,001
In Sweden November 24, 1936
3 Claims. (Cl. 183—63)



1. An air filtering apparatus comprising a casing having an inlet and outlet for air to be treated therein, a series of radially extending filtering screens for catching particles suspended in air being rotatably mounted within said casing and

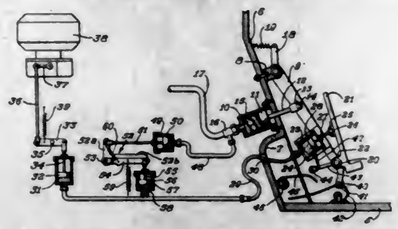
interpositioned between said inlet and said outlet, a portion of said casing below said screens formed as a receptacle for the particles caught by said screens, means for rotating said screens in a direction opposite to the direction of flow of air coming from said inlet, means capable of directing air under pressure towards some of said screens for preventing air from said inlet from passing through those screens and into said receptacle portion of said casing, and means introducing air under pressure to within said air directing means.

2,203,777

COMBINATION ACCELERATOR AND BRAKE CONTROL FOR VEHICLES

Fred E. Detmers, Los Angeles, Calif.

Application August 26, 1938, Serial No. 226,948
7 Claims. (Cl. 192—3)



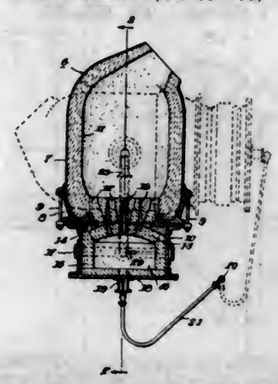
1. In a device of the character described, a pivoted brake member, wheel brake mechanism, means to connect said member to said mechanism to apply the wheel brakes by swinging said member on its pivot, a pedal pivoted on said member, a cylinder and a piston within said cylinder, a piston rod connecting said piston and pedal to increase pressure within said cylinder by manipulation of said pedal, a throttle lever, means controlled by pressure within said cylinder to actuate said throttle lever, and a spring latch to resiliently resist depression of said brake member.

2,203,778

METHOD FOR PRODUCING STEEL

Marvin W. Ditto, New York, N. Y., assignor to Emulsions Process Corporation, New York, N. Y., a corporation of Delaware

Application July 11, 1939, Serial No. 283,902
16 Claims. (Cl. 75—60)



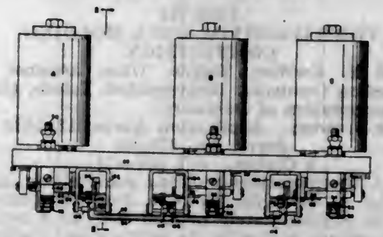
1. In the production of steel in a Bessemer converter, introducing blast air into the lower portion of a pool of molten pig iron, simultaneously introducing into said air an intimate mixture of water and fuel oil in atomized condition, and burning such mixture in intimate contact with the air as the latter enters the molten pig iron.

2,203,779

INTERLOCKING RELAY

James Moore Evans and Edmund J. Phillips, Detroit, Mich., assignors to Evans Products Company, Detroit, Mich., a corporation of Delaware

Application September 25, 1936, Serial No. 102,460
6 Claims. (Cl. 200—98)



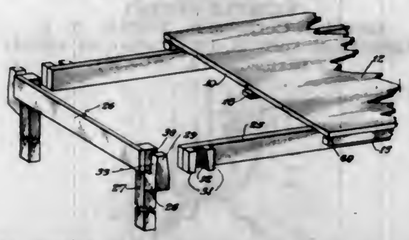
1. Relay mechanism comprising, in combination, first, second and third operating coils; a movable armature individual to each of said coils; and interlocking mechanism including means for rendering movement of the armature for said first coil effective to control movement of the armature for said third coil and for rendering movement of the armature for said second coil effective to control movement of the armatures for both said first and third coils; the armature for said second coil being free to move independently of the condition of the armature for said first coil.

2,203,780

TENNIS TABLE

Leo B. Gatz, Chicago, Ill.

Application September 15, 1938, Serial No. 230,134
1 Claim. (Cl. 311—35)



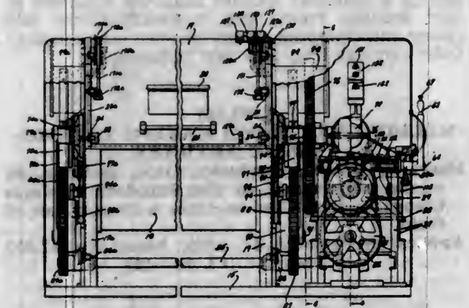
An understructure for table tops or the like, comprising a pair of end units and a pair of side rails adapted to connect the same, each end unit being composed of an end rail having a leg integrally attached to each end thereof and an outwardly offset bracket integrally carried by an outer surface of each leg adjacent the top thereof, each bracket providing an upwardly opening vertical slot between the inner surface thereof and the outer surface of said leg, an end portion of a side rail being adapted to be received in each slot, space lugs on the outer surface of each end portion of each side rail, the facing surfaces of said spaced lugs being adapted to bear against opposite side edges of its bracket to prevent longitudinal displacement of said side rail in said slot.

2,203,781

CONTROL AND OPERATING MECHANISM FOR UNLOADING WASHERS

Frank A. Gerisch, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application September 14, 1936, Serial No. 100,594
11 Claims. (Cl. 68—210)



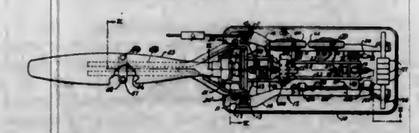
3. In a washing machine, a casing, a rotatable cylinder therein, said cylinder being arranged for a dumping movement out of and into said casing, an electric motor, selectively operable connections between said motor and said cylinder, one for rotating said cylinder and another for causing said dumping movement, two electrical circuits for operating said motor in opposite directions, each of said circuits including manual control means operable at will to select the direction of rotation desired, and one control member having positions for establishing either the connection for said cylinder-rotating operation or the connection for said cylinder-dumping operation, said control member in each of its positions being arranged to connect each of said circuits with said motor.

2,203,782

TESTING DEVICE

Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey

Application January 11, 1939, Serial No. 250,398
12 Claims. (Cl. 73—53)



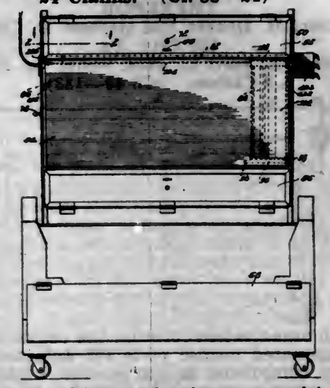
1. In a device of the class described, in combination, a base, a beam, fulcrum pivots extending laterally in said beam, bearings mounted on said base for the reception of said pivots and forming a rocking axis for said beam, a plurality of bearings mounted on the longitudinal axis of said beam and in a horizontal plane passing through said fulcrum pivots, a lever pivoted on said bearings and means comprising relatively movable members having a common actuator for definitely positioning said lever on the longitudinal axis of said beam with respect to its rocking axis.

2,203,783

CAMERA TRAVERSING APPARATUS FOR PHOTOGRAPHING NEARBY LARGE OBJECT SURFACES

Edson S. Hineline, Rochester, N. Y., assignor to Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Continuation of application Serial No. 65,260, February 24, 1936. This application December 5, 1939, Serial No. 307,644
24 Claims. (Cl. 88—24)



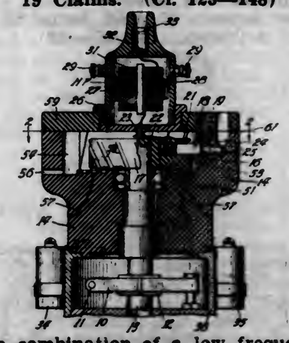
1. Photographic mechanism comprising, in combination, a photographic apparatus having lens means, means to support said photographic apparatus for traversing movement in a path in substantial proximity to a large object-surface, means stationarily mounted upon such support and operatively connected to said photographic apparatus to traverse said apparatus in said path across said object-surface, said lens means being so positioned and related to the object-surface as to photograph the entire object-surface during a single traversing movement of the photographic apparatus in said path, and means to support a sensitized member upon said photographic apparatus, so that it may be exposed to the object-surface throughout said traversing movement in one direction.

2,203,784

IGNITION APPARATUS

Harry B. Helthouse, Chicago, Ill.

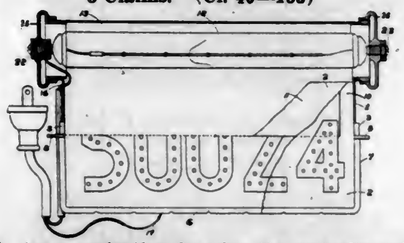
Application April 9, 1938, Serial No. 201,057
19 Claims. (Cl. 123—148)



1. The combination of a low frequency ignition coil and a high frequency booster whereby very high voltages are produced having high frequency characteristics, and a distributor including a rotor and a housing therefor having a series

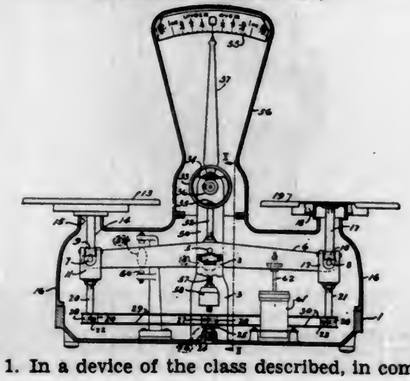
of contacts adapted to be connected by the rotor to the coil and booster, said rotor having peripheral formations for increasing the circulation of air thereby and said housing having vents whereby the rotor will cause air to circulate through said housing to prevent the concentration of ozone therein.

2,203,785
ILLUMINATED LICENSE PLATE AND CASE THEREFOR
Albert H. Hoover and Herbert D. Clark, Oil City, Pa.
Application April 12, 1938, Serial No. 201,521
5 Claims. (Cl. 40—133)



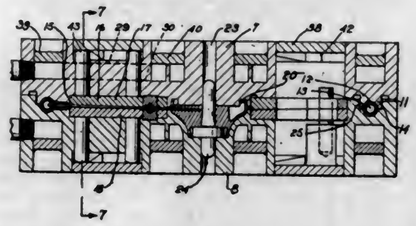
1. An organization forming the embodiment of an illuminated license plate for automobiles, or the like, comprising in combination, a casing one side of which is open and adapted to be closed by means of a suitable plate arranged in closure relation to said opening, there being informative matter carried by said plate and adapted to be rendered visible by illumination from within said casing, means removably securing said plate in closure relation to said opening, the upper wall of said casing being extended and formed into a downwardly-opening channel which is within said casing and above the upper edge of said opening, said channel being provided with end walls and having an elongated electric lamp positioned therein, each one of said end walls being provided with an electrode at least one of which has a screw thread mounting for adjustment in rigidly engaging an extremity of the said electric lamp to maintain the same in assembled relation in said channel.

2,203,786
WEIGHING SCALE
Samuel N. Hurt, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application January 27, 1938, Serial No. 187,234
5 Claims. (Cl. 265—59)



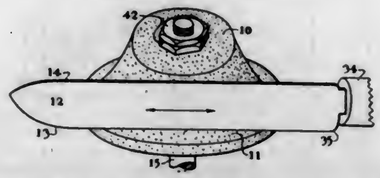
1. In a device of the class described, in combination, a frame, an even-armed lever mounted on said frame, a counterpoise receiving platter and a load receiving platter pivotally mounted on opposite ends of said lever, an indicator antifrictionally mounted on said frame independently of said lever, load resistance means mounted upon and movable with said lever, said load resistance means comprising an annular frame adjustably mounted on said lever, a thin resilient metallic member flexed into a substantially circular loop having a diameter smaller than the diameter of said annular frame and mounted within said frame and clamping means between said substantially circular loop and said indicator.

2,203,787
MOLDING MEANS FOR MAKING THERMOPLASTIC ARTICLES
Harry A. Husted, Sandusky, Ohio, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio
Application October 31, 1935, Serial No. 47,655
5 Claims. (Cl. 18—42)



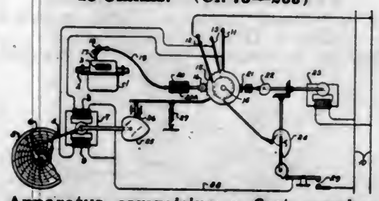
2. A mold for applying a layer of thermally moldable material to the surface of a preformed article, said mold comprising engageable portions which are relatively recessed to form a cavity, means in said portions for accurately positioning said article with respect to said cavity, further means in said portions for ejecting the completed article from said portions, said further means including a moveable plate, pins engageable with said first means, and cams on said plate engageable with said pins.

2,203,788
KNIFE SHARPENING DEVICE
Clayton L. Jenks, Boylston Center, Mass.
Application April 1, 1937, Serial No. 134,289
8 Claims. (Cl. 51—166)



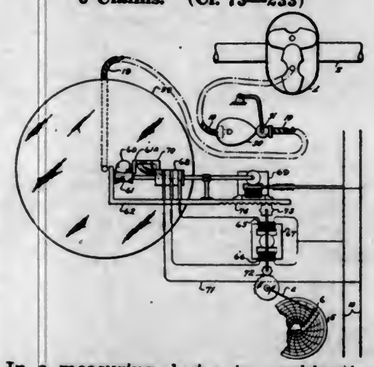
1. A knife sharpening device comprising a support, a spindle rotatably mounted thereon, an abrasive wheel having an effective surface of abrasive grains shaped as a concave conoid generated by an arc of a circle of 1 to 4 inches radius, means connecting the wheel to the spindle, bearings to support the wheel against the abrading pressure, and means for rotating the wheel at an effective peripheral rate of not over 900 surface feet per minute.

2,203,789
MEASURING APPARATUS
Clarence Johnson, East Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application July 6, 1935, Serial No. 30,057
Renewed April 5, 1938
18 Claims. (Cl. 73—233)



1. Apparatus comprising a first member periodically for constant increments of time advanced from an initial position at a rate proportional to the value of a variable, an actuating device, a second member positioned by said actuating device, and means for returning said first and second members to the initial position at a constant rate of speed subsequent to each advancement; said actuating device being under the joint control of said members and means.

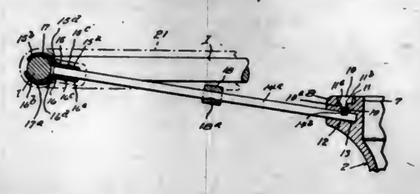
2,203,790
MEASURING APPARATUS
Clarence Johnson, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application July 6, 1935, Serial No. 30,057. Divided and this application December 1, 1939, Serial No. 307,103
6 Claims. (Cl. 73—233)



1. In a measuring device in combination, an electro-responsive device having electrically opposed windings, a member movable in accordance with the magnitude of a variable, two contacts under the joint control of said member and said electro-responsive device, a time responsive device, and a third contact actuated by said time responsive device, engagement of said third contact with one of said two contacts energizing said electro-responsive device in one direction and engagement of said third contact with the other of said two contacts energizing said electro-responsive device in the opposite direction.

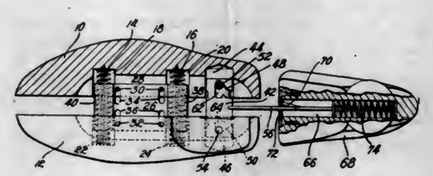
2,203,791
STEERING WHEEL
Frank E. Lange, Cuyahoga Falls, Ohio
Application December 12, 1936, Serial No. 115,482
7 Claims. (Cl. 74—552)

1. A steering wheel comprising in combination an outer rim member, a central hub, assemblies of spoke rods extending between the rim member and the hub, means for securing the inner ends of the spoke rods to the hub, and means for securing the outer ends of the spoke rods to the rim member, the latter means comprising a lower supporting member for the outer ends of the spoke rods of each assembly, the said supporting



member being secured to the lower surface of the rim member and having partial seats therein for the outer ends of the spoke rods, an upper supporting member complementary to each lower member and having partial seats therein for the upper surfaces of the outer ends of the spoke rods, and means securing the outer ends of the spoke rods to said supporting members.

2,203,792
SHOE TREE
John W. Loney, Brockton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 22, 1939, Serial No. 263,375
8 Claims. (Cl. 12—128.2)

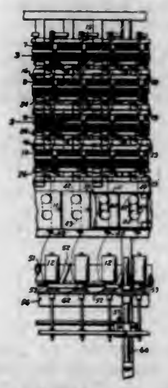


1. A shoe tree comprising a forepart composed of laterally movable sections, a spring acting to move said sections apart, a plate loosely connected to said sections and arranged to limit the spreading movement of said sections, a cam arranged to draw said sections together, a heel piece, and a connecting member joined to said cam at one end and adjustably connected to said heel piece at the other, said heel piece being movable in a heightwise direction with the connecting member to rotate the cam and draw said forepart sections together.

2,203,793
APPARATUS FOR THE MANUFACTURE OF THREAD OR THE LIKE
Louis E. Lovett, Cleveland Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application April 14, 1936, Serial No. 74,326
10 Claims. (Cl. 18—8)

1. Apparatus for the manufacture of thread or the like of synthetic origin comprising a source of thread or the like; a tubular passage of helicoidal form through which the thread or the like is passed; means for supplying processing liquid to

said tubular passage of helicoidal form; means for withdrawing the processing liquid from said

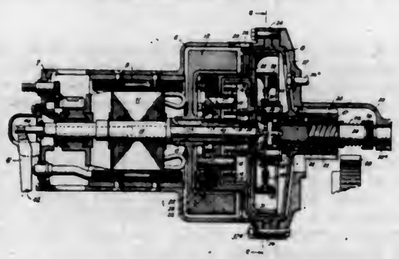


tubular passage of helicoidal form; and means for collecting the thread or the like.

2,203,794
FORMALDEHYDE-UREA MOLDING COMPOSITIONS
Leonard S. Meyer, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application August 10, 1938, Serial No. 224,135
3 Claims. (Cl. 260—71)

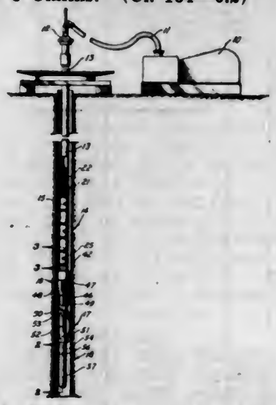
1. A thermosetting molding composition comprising a formaldehyde-urea reaction product and dibenzhydroxamic acid as a latent accelerator.

2,203,795
ENGINE STARTER
Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application June 11, 1937, Serial No. 147,768
2 Claims. (Cl. 74—7)



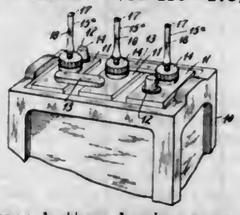
1. In an apparatus of the class described, an electric motor, means including a friction clutch for transmitting energy developed in said motor to a member of an engine to be started, said transmitting means further including a threaded shaft adapted to be rotatably driven by said friction clutch, a sleeve threaded on said shaft for rotary and longitudinal movement thereon, a pinion mounted on and splined to said sleeve for axial movement relative thereto, and for rotary movement therewith, said axial movement being adapted to produce operative engagement between said pinion and said engine member, and resilient means for resisting said relative axial movement, said resilient means having engagement at one end with said sleeve and at its opposite end with said pinion, and being positioned between said sleeve and pinion.

2,203,796
METHOD AND MEANS OF PERFORATING WELL CASING AND THE LIKE
Frank E. O'Neill, Glendale, Calif., assignor to Edith L. O'Neill, Glendale, Calif.
Application January 26, 1939, Serial No. 253,009
6 Claims. (Cl. 164—0.2)



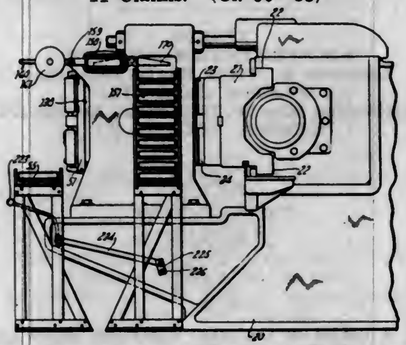
1. A method of perforating a laminated member with an abrasive fluid under pressure, which comprises directing a jet of said fluid through the surface lamina while forming a perforation therewith and directing a jet of said fluid through said surface lamina at a point adjacent to the point of said first perforation whereby the spent fluid will be relieved from the perforating area through the first perforation until the second perforation has been formed entirely through the member.

2,203,797
STORAGE BATTERY
Carl E. Pearson, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application December 7, 1937, Serial No. 178,554
2 Claims. (Cl. 136—178)



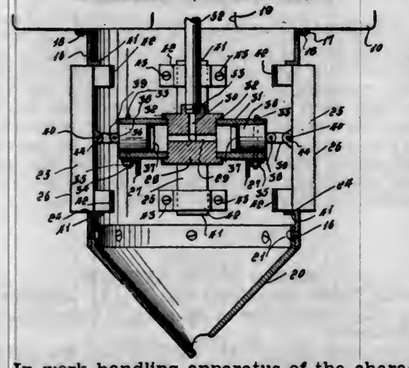
1. A storage battery having a removable vent plug and filler cap for venting and filling purposes, said plug having a nipple of a diameter smaller than that of the plug extending from its upper surface, and a flexible tube mounted at one end on said nipple, said tube having a diameter which is a small fraction of its length and being free at its outer end and closed except for a slit in its side, and said tube communicating with the interior of the battery through said nipple, whereby the plug may be removed for testing the electrolyte or adding liquid thereto without disturbing the mounting of the tube thereon.

2,203,798
BROACHING MACHINE
Millard Romaine, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application November 23, 1936, Serial No. 112,203
11 Claims. (Cl. 90—33)



1. In a machine tool having a fluid operable ram and a cutting tool supported thereby, the combination of power operable means for reciprocating said ram, including a control having a stop position and operating positions on either side thereof, an indexible work support for successively presenting work to the cutting tool, an automatically operable indexing mechanism for indexing said work support, means operable by said mechanism upon completion of each indexing movement for shifting said control member from its stop position alternately to its operating positions whereby the ram will move in one direction after one indexing of the work support and in an opposite direction after the next indexing of the work support, means operable by the ram for shifting said control member to its stop position, and manually operable means for initiating the next indexing movement after the ram stops.

2,203,799
WORK HANDLING APPARATUS
Charles A. Shaffer, Hays, Pa.
Application April 14, 1939, Serial No. 267,928
8 Claims. (Cl. 294—88)

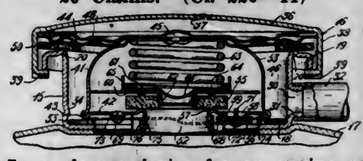


1. In work handling apparatus of the character described, a lifting device including a carrying member, a cylindrical head depending from the carrying member, work-gripping jaws carried by the head and horizontally movable relative thereto, hydraulically operated means for projecting the jaws including a piston and cylinder in the head for each jaw and fluid supply means for the cylinders carried by the carrying member and means for retracting the work-gripping jaws to their inoperative positions within the head, the cylindrical head having slotted openings through which the gripping jaws project and guide means for the gripping jaws bordering said slotted openings.

2,203,800
FORMALDEHYDE-UREA MOLDING COMPOSITION
John Kenson Simons, Dormont, Pa., assignor to Plaskon Company, Inc., Toledo, Ohio, a corporation of Delaware
No Drawing. Application August 11, 1938, Serial No. 224,361
3 Claims. (Cl. 260—71)

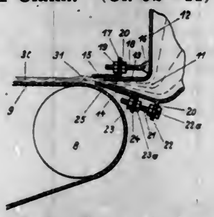
1. A thermosetting molding composition comprising a formaldehyde-urea reaction product and ethylene thiocyanate as a latent accelerator.

2,203,801
CLOSURE DEVICE FOR SEALED COOLING SYSTEMS
Arthur L. Swank, Detroit, Mich; Nellie L. Swank, special administratrix of said Arthur L. Swank, deceased; assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 12, 1936, Serial No. 110,507
20 Claims. (Cl. 220—44)



20. In a closure device for an engine cooling system, a cap member, a hollow valve cage depending from said cap member and provided with a seat, and a spring seated valve structure housed in said cage and movable relative thereto for the relief of pressure, said valve structure comprising a sealing portion engageable with said seat and portions extending laterally beyond the sealing portion for guiding engagement with the cage.

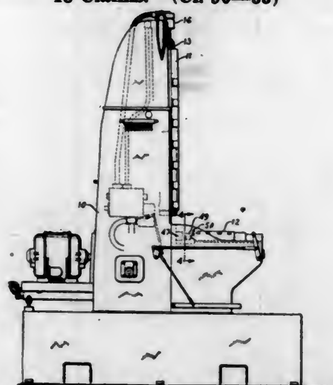
2,203,802
DEVICE FOR BRINGING THE STOCK STREAM UPON THE SCREEN OF A PAPER MAKING MACHINE
Wilhelm Thaler, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co. Inc., New York, N. Y., a corporation of New York
Application March 10, 1938, Serial No. 195,035
In Germany January 25, 1937
1 Claim. (Cl. 92—44)



In a nozzle device for a stock receiving container for bringing the stock stream upon the top of a horizontal screen passing over the breast roll of a paper making machine, in which the lip members of the nozzle are inclined to each other and in which the tip of the upper lip mem-

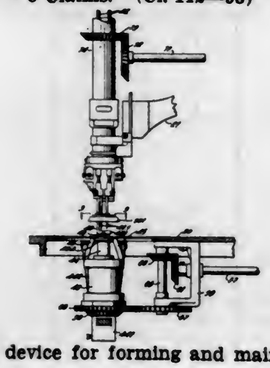
ber extends beyond the tip of the lower lip member, the tips of both lip members being at the top of the breast roll, the combination of a horizontal upper lip member disposed parallel with the screen, an adjustable horizontal plate movabe upon the upper lip member to and fro in a horizontal direction, and an adjustable plate movable upon the lower lip member parallel to the plane of the lower lip member, the tip of the plate on the lower lip member being at all times at a distance inwardly of the tip of the upper horizontal member plate.

2,203,803
BROACHING MACHINE
Edgar D. Vancil and Amos H. Hawley, Sr., Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application May 22, 1937, Serial No. 144,192
18 Claims. (Cl. 90—33)



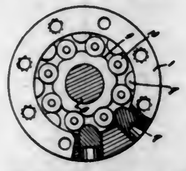
1. In a broaching machine having a broaching ram and a work table, the combination of hydraulic means for shifting the table to a cutting position relative to the ram, means for positively stopping the table in said position and thereby causing a reaction on said hydraulic means, and means responsive to said reaction and positionable thereby to prevent return movement of the table during the cutting operation.

2,203,804
METHOD OF AND APPARATUS FOR PRODUCING CRINKLED SILKING
Louis P. Van der Essen, Gloversville, N. Y.
Application August 11, 1936, Serial No. 95,436
8 Claims. (Cl. 112—98)



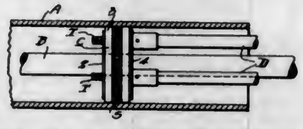
1. In a device for forming and maintaining a crinkled rib in flexible material, cooperating male and female dies disposed on opposite sides of said material for forming a rib therein, means for stitching the material on opposite sides of said rib, and means for oscillating said dies during the formation of the rib.

2,203,805
ESCAPEMENTLIKE CLUTCH
Lawrence E. Wiggs, Worth Township, Woodford County, Ill.
Application June 20, 1939, Serial No. 280,176
2 Claims. (Cl. 192—45)



1. A device of the class described comprising a casing, a shaft extending into the casing and having a sprocket on that part within the casing, rollers located in the casing and engaging the sprocket, ring retainers having radiating slots therein receiving end portions of the rollers, spring means for connecting the retainers to the casing and projections carried by the casing and extending into the same for engaging the rollers, and means for adjusting the projections inwardly and outwardly.

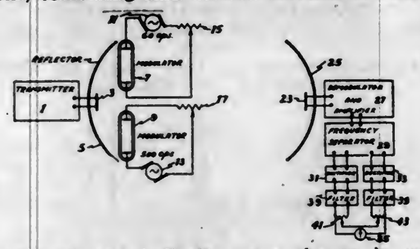
2,203,806
CONCENTRIC LINE
Lester John Wolf, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1938, Serial No. 227,795
3 Claims. (Cl. 178—44)



1. A shorting plug for a transmission line of the type having concentric inner and outer conductors, said plug comprising a plurality of relatively movable parts constituting inner and outer surfaces each adapted to engage one of the opposed surfaces of said inner and outer conductors, spring means biased to maintain a fit between said parts, and means for contracting the inner and expanding the outer surfaces of said plug against the biasing force of said spring.

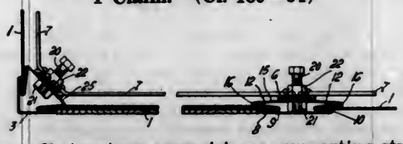
2,203,807
RADIO BEAM SYSTEM
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 18, 1937, Serial No. 159,641
8 Claims. (Cl. 250—11)

4. The method of indicating the presence of a foreign object in a region to be protected by means of a radio beam system which includes the steps of radiating a radio beam through said region, modulating different portions of said beam by modulations of different characteristics, receiving said beam, demodulating said beam to derive currents corresponding to said modulations, combining said derived currents to obtain



a balance, and indicating any change in said combination.

2,203,808
SECTIONAL CASING CONSTRUCTION
Charles B. Akers, Akron, Ohio
Application April 21, 1939, Serial No. 269,136
1 Claim. (Cl. 189—34)



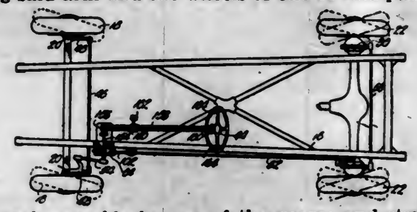
A wall structure comprising a supporting structure located rearwardly of the wall, a plurality of spaced battens each of which is formed of a single sheet having a central imperforate web portion and side channels formed by inwardly extending reversely bent edge portions, the bottoms of said channels being spaced apart, individual panels forming the main body of the wall and having their edges frictionally held in the channels, a bridge piece across the rear of a batten having inturned flanges gripping the edges of the batten and bearing against the panels, and bolts extending from the supporting structure and having their outer ends received in the space between the bottoms of said channels and between the bridge piece and the inner face of the batten.

2,203,809
MANUFACTURE OF PORTLAND CEMENT
Ira C. Bechtold, Colton, Calif., assignor to California Portland Cement Company, Los Angeles, Calif., a corporation of California
No Drawing. Application March 18, 1938, Serial No. 196,701
15 Claims. (Cl. 106—25)

1. The process that includes, grinding Portland cement clinker admixed with a small percentage of a substituted glycerol to produce Portland cement in finely divided form.

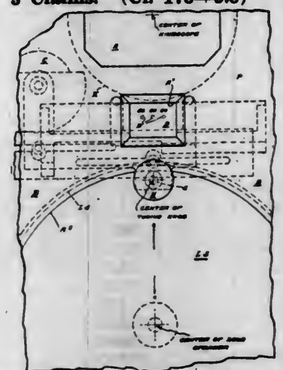
2,203,810
STEERING SYSTEM FOR AUTOMOBILES
Wilbert Paul Berry, Kansas City, Kans.
Application June 26, 1939, Serial No. 281,171
5 Claims. (Cl. 280—91)

2. In an automobile having two pairs of wheels, means for mounting each of said wheels respectively for movement about a vertical axis, a steering wheel, and a steering column, the combination of a transmission comprising a shaft rotatable by the steering column; a driving gear secured to the shaft; a driven gear loosely mounted on said shaft; a pinion in mesh with the driving gear and said driven gear; an arm attached to the shaft for movement therewith; structure joining said arm and the wheels of one of said pairs;



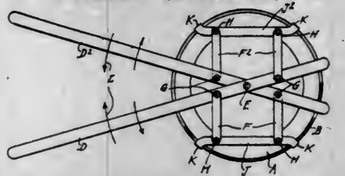
a rack operable by one of the gears; and structure joining said rack and the wheels of the other of said pairs of wheels.

2,203,811
RADIO APPARATUS
Albert Blain, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1937, Serial No. 171,845
3 Claims. (Cl. 178—5.8)



1. A television receiver comprising an image tube, a tuning control shaft and a loudspeaker mounted in closely spaced relation along a common axis, a tuner and a tuning shaft therefor mounted remote from said tuning control shaft and said axis, a driving gear on said control shaft, a driven gear on said tuning shaft, a rack having discrete toothed sections which mesh respectively with said gears, and means individual to said discrete toothed rack sections for maintaining the teeth of each of said sections in intimate contact with the gear adjacent thereto.

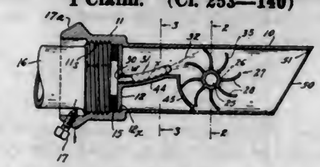
2,203,812
PAN LIFTER
Maude E. Brown, St. Paul, Minn.
Application November 27, 1939, Serial No. 306,309
4 Claims. (Cl. 294—31)



1. A lifter for articles such as pans and covers, comprising two pivotally connected handle bars crossing one another, a gripper bar on each side of said pivotal connection, each gripper bar

having means for engaging the rim of an article to be lifted, and pairs of links connecting each gripper bar with each of the two handle bars on opposite sides of the pivot, whereby movement together of the handle bars will cause uniform movement inward of the gripper bars to grip and hold the article.

2,203,813
WATER MOTOR
Ernest A. Burgess, Los Angeles, Calif.
Application May 1, 1939, Serial No. 271,078
1 Claim. (Cl. 253—140)



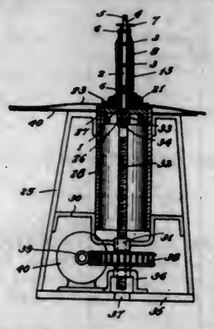
In a device of the kind described, a cylindrical conduit, a rotatable shaft extending diametrically through said conduit and having a power delivery portion outside of said conduit, a water wheel secured to said shaft within said conduit, said water wheel having vanes the extremities of which are deflected in the same circumferential direction, a nozzle structure arranged to direct a plurality of adjacent parallel streams of water against said vanes as they pass through the space between said shaft and one side of said tube, said streams being inclined in relation to the axis of said conduit in a direction to cause them to strike upon that face of each passing vane occupied by the inner angle between the main part of the vane and its deflected portion, the discharge end of said cylindrical conduit being cut across on a bias the acute angle of which is located at that side of the conduit toward which the aforesaid streams of water are directed, and a screen secured over said discharge end of said conduit.

2,203,814
AIR CONTROL SYSTEM FOR VEHICLES
William J. Clements, Chicago, Ill., assignor to Clements Mfg. Co., Chicago, Ill., a corporation of Illinois
Application October 14, 1938, Serial No. 234,976
2 Claims. (Cl. 98—4)



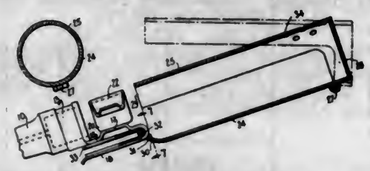
1. Air control systems for vehicles and the like including an air heating element, an air cooling element, an air circulating fan, a conduit system joining them, a cold air duct adjacent the top of the vehicle in communication with the discharge side of the fan, a hot air duct adjacent one side of the floor of the vehicle in communication with the discharge side of the fan and a return air duct adjacent the floor of the vehicle on the other side thereof in communication with the intake side of the fan, a single manually adjustable valve adapted to control the flow of air from the discharge side of the fan selectively through one or other of the ducts associated therewith, all three of the ducts being apertured at a plurality of points throughout the vehicle.

2,203,815
FILTER PACK AND METHOD OF AND APPARATUS FOR MAKING SAME
Otto Dahl and Stanley Douglas Osborn, Spokane, Wash.
Application March 15, 1939, Serial No. 262,054
7 Claims. (Cl. 210—131)



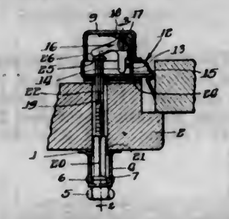
1. A filter pack comprising a perforated tube having a closed upper end, collars surrounding said tube in spaced relation to its ends, a pin passing through said tube and spaced from the upper collar and the upper end of the tube, screening about said tube between said collars, fabric covering said screening with portions projecting beyond said collars and bound tightly about the tube, an inner wrapping of cotton batting about said fabric, an intermediate wrapping of waste about said inner wrapping, an outer wrapping of waste about said intermediate wrapping, each wrapping being bound with cord, said pin having its portions projecting from said tube embedded in upper portions of said wrappings to anchor the wrappings, fabric enclosing the outer wrapping, and cord bindings for the last mentioned fabric extending spirally about the same and longitudinally thereof, said tube having its ends protruding from the wrappings whereby the tube may be grasped by its upper end and its lower end detachably mounted in an outlet of a filter casing.

2,203,816
CIGARETTE AND CIGAR HOLDER ATTACHMENT
Ada Deerf, Coney Island, N. Y.
Application April 13, 1939, Serial No. 267,573
1 Claim. (Cl. 131—174)



An attachment for a cigarette or cigar holder comprising a resilient band adapted to encircle the holder and frictionally lock thereon, a tongue extending forward from the bottom of said band and in front of the mouth of the holder, a doubled up and back resilient finger extending at right angles from said tongue, said finger having a rounded jaw spaced above and facing said tongue, a cigarette or cigar inserted into said mouth of the holder being resiliently clamped by said jaw against said tongue, said tongue having a doubled back and under extension forming a resilient pocket clip, an elongated container having a yoke at one end, a member extending outward from said yoke and integral therewith, said member being adapted to register in said clip to secure said container to said holder, said container being adapted to enclose said cigarette or cigar.

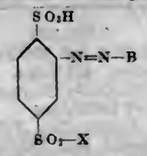
2,203,817
LATCH
William D. Ferris, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois
Application February 11, 1938, Serial No. 190,069
3 Claims. (Cl. 292—166)



2. A door latch comprising a guide plate for attachment to the outside of the door, a differently formed guide plate for attachment to the inside of the door, with the two plates in alignment, a sleeve fitting the outside guide and screw threaded internally, an outside housing enclosing the outer end of said sleeve, fastened to said outside plate, a handle pivoted within said housing to engage the outer end of said sleeve, a rod screw threaded to adjustably engage the interior of said sleeve, the latter being held against rotation by said outside guide, the inner end portion of said rod fitting the inside guide, the latter being formed to prevent the rod from turning, an inside housing attached to said inside plate, enclosing the inner end of said rod, and latch bolt means in said inside housing, operated by the inner end of the rod, said rod being formed with lateral ribs terminating in means to prevent the rod from being pulled outwardly from the door and said inner guide having notches engaging said ribs.

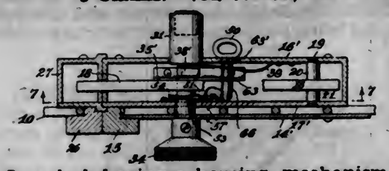
2,203,818
AZO DYESTUFFS
Richard Fleischhauer and Heinrich Ritter, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application May 12, 1938, Serial No. 207,506. In Germany May 18, 1937
3 Claims. (Cl. 260—198)

1. The azo dyestuffs of the general formula:



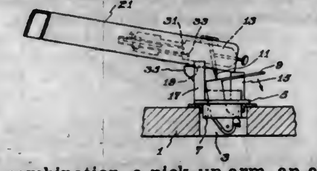
wherein X stands for a member selected from the group consisting of alkyl, cycloalkyl and aryl groups of the benzene series, and B stands for the radicle of a coupling component selected from the group consisting of compounds of the naphthalene, pyrazolone, hydroxycarbazole and hydroxydiphenylene oxide series, which dyestuffs dye wool and silk various shades of good fastness properties.

2,203,819
LOCK
Charles E. Fyfe, Cedarhurst, N. Y.
Application September 14, 1937, Serial No. 163,723
3 Claims. (Cl. 70—99)



1. In a lock having a housing, mechanism including a latch-bolt, a rotatable sliding shaft, a handle secured to said shaft exteriorly of said housing adapted to both rotate and slide said shaft, a key lever adapted to move with said shaft, and a stationary plate within said housing having a key hole, said plate and the key-lever being hidden within said housing, and means operable from the exterior of the housing effective to both rotate and slide said shaft whereby when said handle is actuated said key-lever may be aligned with and moved through said key hole and actuate the latch-bolt, and further means for automatically restoring the said mechanism to its normal position following said actuation and the release of said handle.

2,203,820
ELECTRICAL SIGNAL TRANSLATING APPARATUS
Emile C. Guedon, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1938, Serial No. 205,233
4 Claims. (Cl. 179—100.4)

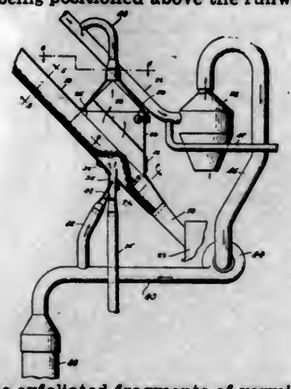


1. In combination, a pick-up arm, an electrical signal translating device carried thereby, a normally open switch carried by said device and connected in shunt therewith, said switch being adapted, when closed, to render said device inoperative to translate signals, a support for said arm and said device, and means on said support adapted to close said switch when said device is placed on said support in predetermined relation thereto.

2,203,821
VERMICULITE PROCESSING MACHINE
William H. D. Hinchman, Detroit, Mich., assignor to The Zonolite Company of Montana, Detroit, Mich., a corporation of Montana
Application March 2, 1938, Serial No. 193,563
3 Claims. (Cl. 209—29)

1. A machine for separating fragments of exfoliated vermiculite from debris such as stones and unexfoliated fragments of vermiculite, comprising an inclined runway along which the exfoliated vermiculite and debris moves by gravitation, a closed circuit for effecting a flow of air across the said runway comprising blower means and pipe lines connected to the inlet and outlet sides of the blower means, an enlarged chamber connected below the runway to the pressure air line and above the runway to the suction air line

for slowing down the velocity of the air forced into the enlarged chamber by the pressure air line, the pressure pipe line being operatively connected with the runway to produce an upward blast of air across the line of travel of said exfoliated vermiculite and debris and the suction air line being positioned above the runway where-



by as the exfoliated fragments of vermiculite and debris travel along the runway the up draft of air carries the smaller fragments of exfoliated vermiculite upwardly into the enlarged chamber and then into the suction air line and deflects the larger fragments of exfoliated vermiculite out of their normal line of travel to separate the debris from the exfoliated vermiculite.

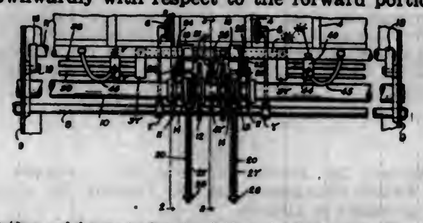
2,203,822
RIBBON
Eli Hyman, Brookline, Mass.
Application July 25, 1935, Serial No. 33,045
5 Claims. (Cl. 154—43)



1. As a tying ribbon, a narrow band of non-fibrous organic film material comprising superimposed plies and a separate layer consisting of a non-drying, permanently tacky, flowable at ordinary temperatures and pressures plasticizer for said material disposed between said plies to cause the plies to adhere and to maintain the ribbon in a permanently flexible condition.

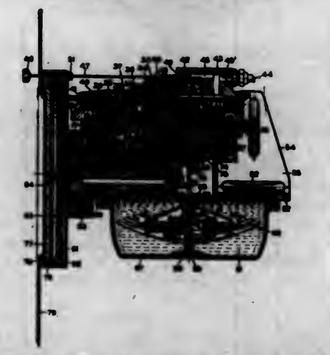
2,203,823
SHEET SEPARATING AND FEEDING MECHANISM FOR PRINTING PRESSES
Joseph F. Jirousek, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application September 21, 1938, Serial No. 231,033
3 Claims. (Cl. 271—26)

1. In sheet separating and feeding mechanism for printing presses and the like, the combination of sheet conveying means, a feed table adapted to support in a substantially horizontal position a stack of sheets to be fed to said conveying means, presser-shoes operative to bear on the upper surface of such stack, means for directing a blast of air against the forward edges of the uppermost sheets of the stack in order to fluff said sheets, suction means for feeding said sheets individually to said conveying means, and means for imparting to said suction means a movement whereby the forward portion only of the uppermost sheet of the stack is moved rearwardly and downwardly with respect to the forward portion



of the subjacent sheet of the stack and is thereafter fed to said sheet conveying means.

2,203,824
DIRECTIONAL INSTRUMENT
Paul Kollsman, New York, N. Y.
Application January 31, 1940, Serial No. 316,683
In Great Britain November 5, 1938
13 Claims. (Cl. 33—204)



1. A direction indicating instrument for craft comprising, in combination, means for directing a flow of fluid in a predetermined direction towards, and converging from all sides at, an axis; a rotor mounted for rotation about said axis relatively to said flow directing means, said rotor having surfaces exposed to said flow whereby upon a turn imparted to said instrument about said axis said flow will be deflected from said predetermined direction imparting to said rotor a motion which is a multiple of said turn; indicating means; and a train of gears connecting said indicating means and said rotor, the ratio of transmission of the gear train being inverse to the ratio of multiplication by said rotor of the turning movements imparted to the instrument, whereby said indicating means will indicate absolute direction.

2,203,825
TREATMENT OF MOTOR FUEL
Vasili Komarewsky, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 3, 1938, Serial No. 188,525
9 Claims. (Cl. 196—50)

9. A process for increasing the anti-knock value of hydrocarbons boiling in the gasoline range which comprises contacting the same at reforming temperature with a catalyst comprising a major proportion of alumina and minor proportions of chromium sesquioxide and nickel, the weight of the chromium sesquioxide being greater than that of the nickel.

2,203,826
CATALYTIC DEHYDROGENATION OF HYDROCARBONS
Vasili Komarewsky, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 31, 1937, Serial No. 182,808
12 Claims. (Cl. 260—668)

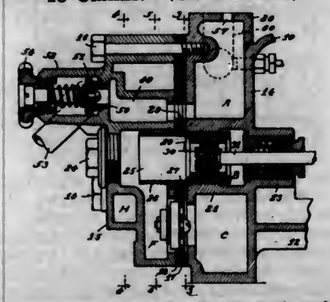
1. A process for dehydrogenating aliphatic hydrocarbons which comprises subjecting the same to dehydrogenating conditions in the presence of a catalyst comprising a major proportion of alumina and minor proportions of chromium sesquioxide and nickel.

2,203,827
SEINE
Frank F. Kors, Independence, Kans.
Application October 4, 1939, Serial No. 297,891
16 Claims. (Cl. 43—14)



5. A seine comprising a net, a binding along each end of said net, a sleeve member at each end of said net closed at the bottom end, each sleeve extending lengthwise of the outer edge of the adjacent binding, and a pole adapted to be entered removably in each of said sleeve members.

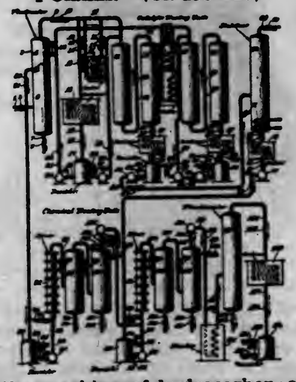
2,203,828
PUMP
Swan E. Larson, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Original application June 8, 1936, Serial No. 84,146. Divided and this application October 29, 1936, Serial No. 108,236
18 Claims. (Cl. 103—175)



1. In a pump, a housing having chambers provided therein, a chambered plate arranged to be detachably secured on said housing, a single valve plate interposed therebetween and having a plurality of spring-seated valves thereon controlling communication between chambers in the housing and chambered plate, a pump cylinder in said housing communicating at one end with a chamber in said housing and at the other end with a chamber in said chambered plate, a piston reciprocable therein, and means for detachably fastening said chambered plate to said housing so as to detachably secure said valve plate in place therebetween.

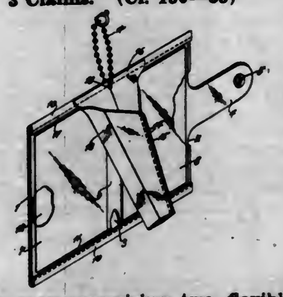
3. A pump as set forth in claim 1, wherein said valve plate is porcelain enameled on both sides and the valves engaging the same are rubber faced.

2,203,829
CONVERSION OF HYDROCARBONS
Friedrich W. Leffer, Kenton-Harrow, England, assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 21, 1937, Serial No. 170,186
4 Claims. (Cl. 196—10)



3. In the cracking of hydrocarbon oil wherein gasoline distillate is separated from normally incondensable gases containing butenes and propene, the method which comprises subjecting the separated gas to polymerization under conditions suitable for selective polymerization of butenes, separating resultant butene polymers from the residual propene-containing gas, combining the latter with at least a portion of said gasoline distillate, including the lighter fractions thereof, and subjecting the resultant mixture to propene polymerizing conditions.

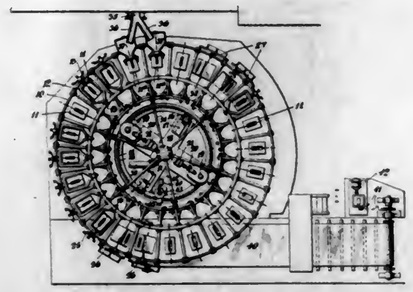
2,203,830
KEY CASE
Bruno A. Leue, Joplin, Mo., assignor to The Meeker Company, Inc., Joplin, Mo.
Application February 4, 1939, Serial No. 254,578
3 Claims. (Cl. 150—35)



1. A key case comprising two flexible walls, flexible means connecting said walls along adjacent edges and permitting said walls to be moved to closed position toward each other and to open position away from each other, means forming a pocket having an open end, and a flexible connection attaching the open end of said

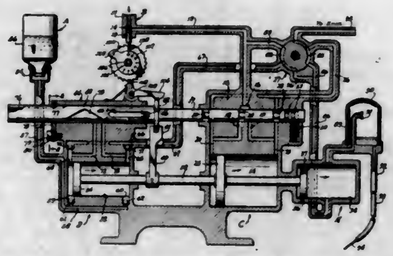
pocket to one end of said walls and crossing said flexible means and substantially closing and opening said open end of said pocket when said walls are moved to closed and to open positions respectively as aforesaid.

2,203,831
CASTING WHEEL CONTROL
Karl A. Lindner, Baltimore, Md., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application October 8, 1937, Serial No. 167,927
3 Claims. (Cl. 22—63)



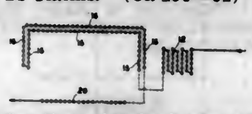
1. Apparatus for casting metal shapes at a plurality of stations comprising the combination with a casting wheel upon which a plurality of molds are mounted, of driving means for said wheel including a plurality of electric motors, said motors being connected in series and providing their own load balance from a common source of power, means to energize and to gradually and evenly accelerate said motors to top speed, and means actuated by said wheel when the latter reaches a predetermined position for gradually and evenly decelerating said motors to lowest speed, and means actuated by said wheel when said wheel reaches a casting station for stopping the same.

2,203,832
EMBALMING DEVICE
Raymond S. Malburg, Los Angeles, Calif.
Application October 30, 1939, Serial No. 302,008
8 Claims. (Cl. 27—24)



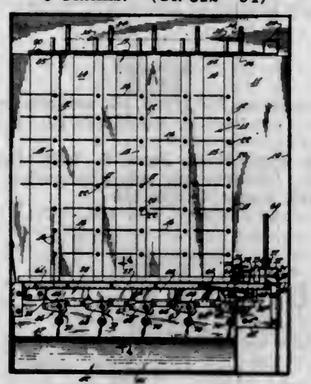
1. In an embalming apparatus: water operated motive means; pump means operated by said motive means for introducing embalming fluid into a water stream; mixing means operated by said motive means for mixing the embalming fluid and water; and means operated by said motive means for measuring the quantity of embalming fluid introduced into said water stream.

2,203,833
CONVERSION OF HYDROCARBON OILS
Lev A. Mekler, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 30, 1932, Serial No. 635,496
14 Claims. (Cl. 196—61)



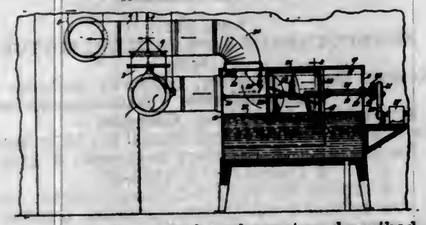
1. In the heating of light hydrocarbon oils of the character of naphtha and gasoline to effect their pyrolytic conversion, the improved method of heating which comprises first subjecting the oil while substantially in liquid phase to heating at a rapid rate, then subjecting the oil to heating at a decreased rate and substantially completely vaporizing it during this heating at the decreased rate and then again heating it at a relatively rapid rate during the final heating and cracking the oil in vapor phase during such final heating.

2,203,834
VENDING MACHINE
George P. Mergens, Manitowoc, Wis., assignor, by mesne assignments, to U-Need-A-Merchandiser, Inc., Brooklyn, N. Y., a corporation of New York
Application February 26, 1938, Serial No. 192,724
6 Claims. (Cl. 312—94)



1. Apparatus of the character described comprising a magazine structure, a series of vertically spaced, article supporting members having pivotal portions at one side thereof supported by said structure and being disposed in the magazine thereof, said pivotal portions at one end of the supporting members having vertically directed supporting portions, latch members pivoted centrally thereof upon said supporting portions in offset relation to the pivotal axis of said supporting members, co-operating members upon the structure adapted to be engaged by said latch members at corresponding sides of the pivots thereof for locking said supporting members in position, springs connecting said latch members at opposite sides of the pivots thereof with said supporting portions for maintaining said latch members engaged with said co-operating members, and means movable transversely of said pivoted latch members for tripping the same to successively release said supporting members.

2,203,835
CARBON REMOVER
Joseph H. Minor, University City, Mo., assignor of one-half to Wayne K. Bromley, St. Louis, Mo.
Application January 3, 1938, Serial No. 183,017
6 Claims. (Cl. 261—22)



4. In a device of the character described, a housing adapted to contain a body of liquid to saturate soot and carbon particles entrained with products of combustion and having an outlet opening, an approximately horizontal rotary shaft extending into said housing at a distance from said outlet opening, a cylinder attached to said shaft and extending below the normal level of the liquid in said housing and having elongated slots and also having open ends one of which is toward said outlet opening for the passage of products of combustion, devices attached to said shaft within said cylinder for agitating said liquid and the products of combustion and causing the liquid to remove and separate soot and carbon particles from the remaining lighter products of combustion, outwardly extended portions at the sides of said slots for positively directing liquid through said slots into said cylinder when said cylinder is rotated, and mechanism for rotating said cylinder and said devices.

2,203,836
TREATMENT OF MOTOR FUEL
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 4, 1938, Serial No. 205,985
9 Claims. (Cl. 196—50)

2. A process for increasing the antiknock value of gasoline fractions which comprises subjecting the same to reforming conditions in the presence of a catalytic metal oxide supported on a feldspar whose alkalinous base and aluminum content has been removed at least in part.

2,203,837
RAZOR
William T. Morris, Great Neck, N. Y., and Leopold Kuhnl, Bridgeport, Conn., assignors to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application April 21, 1938, Serial No. 203,240
4 Claims. (Cl. 30—40)

1. A razor comprising two members having yielding connection one with the other and shaped to form a channel for accommodating a blade between them, and a permanently installed slide interposed operatively between them and provided with a cam adapted when moved to one position to permit one of the members to approach the other and clamp a blade in the channel and when moved to another position to cause one of the members to recede from the other and

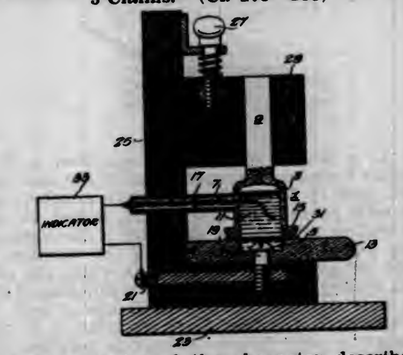


thus separate them sufficiently to permit of the insertion of a blade in the channel.

2,203,838
COMBUSTION OF FUELS
George B. Murphy and William H. Hubner, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 27, 1937, Serial No. 165,942
4 Claims. (Cl. 123—1)

1. The method of increasing the knock value of Diesel fuels in a compression ignition engine which comprises introducing free chlorine thereto through the air-intake of said engine to accelerate combustion of the Diesel fuel.

2,203,839
MEASUREMENT OF DIELECTRICS
Allan R. Ogilvie, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 28, 1939, Serial No. 253,275
5 Claims. (Cl. 175—183)

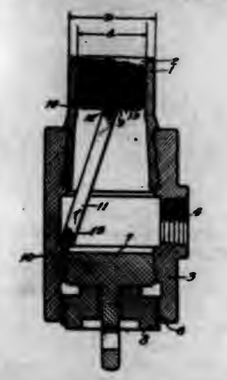


1. In a device of the character described, a container having a peripheral slit, a fluid in said container whose surface tension is sufficient to prevent loss of said fluid through said slit, said slit being adapted to receive a sheet of dielectric material which completely separates said fluid into two portions, each portion being in intimate contact with one surface of said dielectric, and means for making an electrical connection to each of said portions whereby the capacity between said two portions may be indicated.

2,203,840
APPARATUS FOR RETAINING CONTACT MASSES IN TUBULAR ELEMENTS
Maynard F. Perkins, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 12, 1939, Serial No. 283,989
5 Claims. (Cl. 23—288)

1. In an apparatus of the class described, a

releasable supporting element comprising a perforate metal disc and an elongated arm fixedly secured to and extending from the central por-



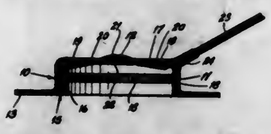
tion of said disc at an oblique angle to the plane thereof, the free end of said arm terminating in a surface substantially parallel to that of the disc.

2,203,841

THERMORESPONSIVE DEVICE

Lawrence M. Persons, St. Louis, Mo., assignor, by mesne assignments, to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware

Application November 14, 1936, Serial No. 110,797
3 Claims. (Cl. 297—9)



1. In a device of the kind described, a first cup-like member, a second flexible cup-like element sized to fit closely within the member, the end wall of said element being joined to the side wall in a bend, the side wall of the element being joined to the side wall of the member in a seal extending around the said walls, the seal being spaced from the bend at the junction of the end wall whereby the end wall and a part of the side wall are free to move relative to the member, a fluid filling the device between the member and element and adapted to displace the end wall of the element away from the corresponding wall of the member, and means in the end wall extending substantially to the side wall to resist bulging thereof under action of the fluid and to cause the deformation of the element to occur mainly in its area adjacent the bend, the seal being spaced from the junction of side and end walls of the element a distance sufficient to permit a part of the side wall to be distorted by displacement relative to the adjacent wall of the member upon such displacement of the end wall to relieve the bending stresses at said junction.

3. A closed thermal unit including a first cup-like member having a bottom wall, and a side wall extending from said bottom wall at substantially a right angle, defining between the side wall and the bottom wall a pronounced edge, a tube extending from the said edge at an acute angle to the axis of the cup and hence at an angle to both the bottom and side walls, a second cup-like element of a size and shape to fit within the first and to have its side and end walls contiguous to the corresponding walls of the said member, means sealing the side wall of the member to the side wall of the element to form with the tube an enclosed chamber, a liquid entirely filling the chamber, and the entrance of the tube into the chamber being so located that all parts of the chamber communicate therewith without reentrant pockets.

2,203,842

PRODUCTION OF LOW BOILING MOTOR FUELS

Mathias Pier, Heidelberg, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application August 24, 1937, Serial No. 160,598. In Germany September 5, 1936
3 Claims. (Cl. 196—10)

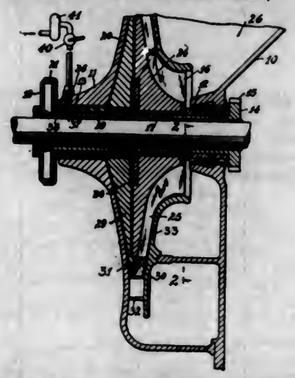
1. A process for the production of motor fuels of low boiling point which comprises passing a gas comprising essentially at least one saturated hydrocarbon, selected from the group consisting of propane, butane and pentanes, together with hydrogen under a high total pressure and a high partial pressure of the said saturated hydrocarbon of at least 65 per cent of the total pressure and at a temperature between 450 and 700° C. over a catalyst selected from the group consisting of catalysts having a strong hydrogenating action and those having an acid and a splitting action.

2,203,843

MULTISPEED SUPERCHARGER

Erold F. Pierce, Pines Lake, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application June 3, 1938, Serial No. 211,494
6 Claims. (Cl. 230—131)



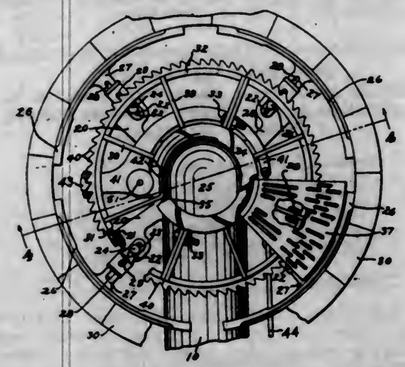
1. A variable capacity blower comprising a first impeller having blades, means to rotate said impeller at a finite speed thereby producing an impeller blade speed proportional to its diameter; means to boost the output of said first impeller comprising a second impeller having blades, embracing and of larger diameter than the first impeller and selectively operable means to selectively drive said second impeller at unitary speed with the first or to leave it rotationally free, said boost being afforded by the greater tip speed of the second impeller due to its larger diameter, and a stationary ring of diffuser vanes embracing the secondary impeller through which one or both impellers discharge.

2,203,844

COAL STOKER

Armand T. Rankin, Indianapolis, Ind., assignor of one-half to Gerald L. Canfield, Indianapolis, Ind.

Application August 18, 1938, Serial No. 225,509
7 Claims. (Cl. 110—45)



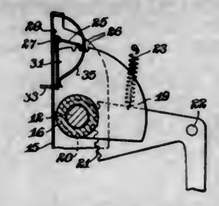
1. In a coal burning stoker for heater combustion chambers, a feed tube having an upturned discharge end, brackets secured to the discharge end and having a slotted portion, a segmental ring having downwardly and inwardly oblique slotted arms, and a member for each bracket connecting it with a corresponding arm adjustable thereon to contact the ring with the walls of the chamber to center said end.

2,203,845

DOOR LATCH MECHANISM

Kermit M. Sletten, Willmar, Minn.

Application September 30, 1937, Serial No. 166,523
5 Claims. (Cl. 292—336)



1. A door lock comprising a door handle, a sleeve on said handle and rotatable with respect thereto, a latch cam on said sleeve, means for rotating said sleeve in a direction to rotate said cam into locking position, said handle remaining stationary, means on said handle engageable with said sleeve for pivoting said sleeve out of locking position, a series of notches in the periphery of said cam, and trigger means engageable in one of said notches, said trigger means being operated by engagement with a door frame to disengage said notch to permit rotation of said bolt.

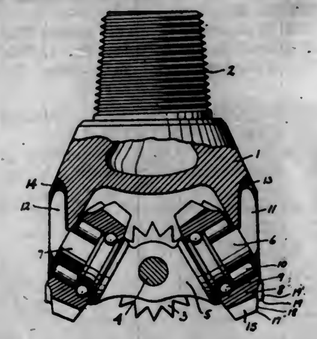
2,203,846

DRILL

Thomas H. Stancliff, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application December 13, 1938, Serial No. 245,380
2 Claims. (Cl. 255—71)

1. A drill bit including a side roller cutter, said cutter having cutting portions thereon adapted to cut the outer annular portion of a hole being drilled of slightly less than the desired gauge, and other cutting portions on the same cutter



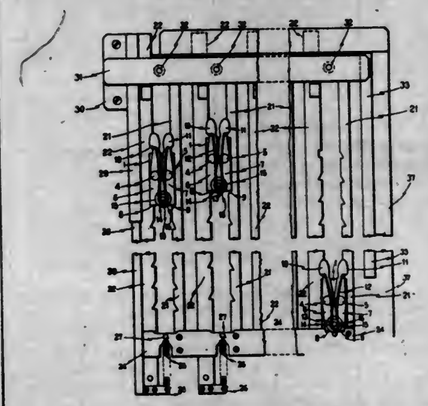
outwardly of and stepped upwardly from said first cutting portions adapted to cut at a higher level than said first cutting portions to enlarge said smaller hole to the desired gauge.

2,203,847

DISPENSING MECHANISM FOR VENDING MACHINES

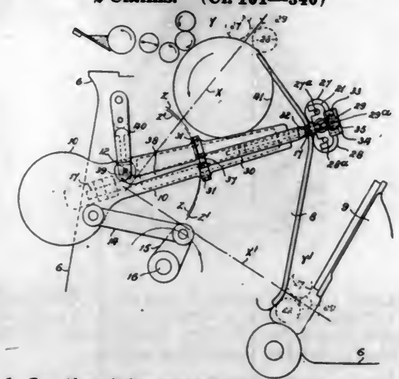
Louis Steiner, New York, N. Y., assignor to U-Need-A-Merchandiser, Inc., Brooklyn, N. Y., a corporation of New York

Application October 29, 1938, Serial No. 237,618
7 Claims. (Cl. 74—111)



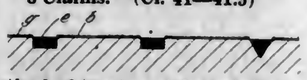
1. In apparatus of the class described, a traveling element of the type arranged to be advanced step by step and to be slidably guided on notched rails, said element having pivoted members the lower ends of which are normally maintained distended under tension and arranged to engage the notches of said rails to prevent retrograde movement of said element, the upper ends of said members being normally closely approximated to each other and arranged to be wedged apart to effect disengagement of said lower ends from said notches; and manually controlled means provided with an element arranged to engage and to wedge apart the upper ends of said members, said means being slidably carried on said apparatus and arranged to be reciprocated for resetting said first named element at initial position on said rails.

2,203,848
INKING ARRANGEMENT OF PLATEN PRINTING PRESSES
Frank Sydney Thompson, Manchester, England, assignor to T. C. Thompson & Son, Limited, Manchester, England
Application November 2, 1938, Serial No. 238,312
In Great Britain December 1, 1937
2 Claims. (Cl. 101—340)



1. In the ink spreading arrangement of a platen printing press, including a reciprocating member pivoted on the frame of the press and carrying a plurality of ink spreading rollers, an L-shaped member one arm of which is pivoted at a point on said reciprocating member, the other arm of which is connected to one of said rollers, and a link pivoted at one end to the frame on an axis noncoincident with that of the reciprocating member and pivotally attached at its other end to the L-shaped member, whereby upon reciprocation of said reciprocating member a lateral motion is given to the one of said rollers relative to the others.

2,203,849
PRINTING PLATE
Arthur Ronald Trist, Chipstead, England
Application May 13, 1937, Serial No. 142,376
In Great Britain May 29, 1936
8 Claims. (Cl. 41—41.5)

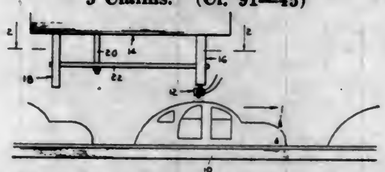


7. A method of treatment for printing surfaces comprising the electrolytic deposition of a layer of chromium with an unpolished adsorbent matt surface activated to attract grease to said surface, and the application of a liquid mixture of tannic acid, sulphuric acid, nitric acid, water and a colloid to the nonprinting areas of said surface to passivate said areas to repel grease in the presence of moisture.

2,203,850
CONVERSION OF HYDROCARBONS
Hans Tropsch, deceased, late of Chicago, Ill., by Carl W. von Helmolt, administrator de bonis non, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Continuation of application Serial No. 37,342, August 22, 1935. This application January 24, 1938, Serial No. 186,669
11 Claims. (Cl. 196—52)

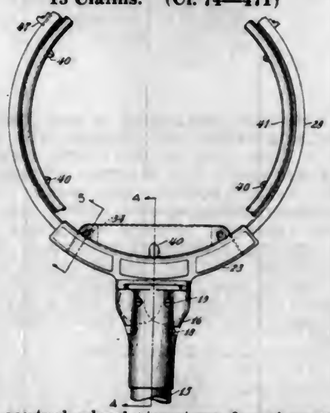
1. A hydrocarbon oil conversion process which comprises contacting the oil at cracking temperature with a modified feldspar produced by removing from feldspar at least a part of its alkalinous base and aluminum content, adsorbing on the residual portion of the feldspar, from aqueous solution, a salt of a metal whose oxide is catalytic and then calcining to convert said salt to the catalytic metal oxide supported on the residual portion of the feldspar.

2,203,851
SPRAYING APPARATUS
Anthony John Tucci, North Tarrytown, N. Y.
Application August 9, 1937, Serial No. 158,074
5 Claims. (Cl. 91—45)



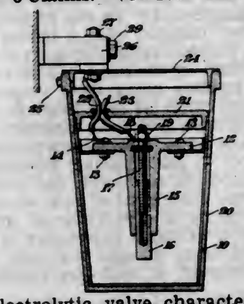
5. Apparatus of the class described comprising a spray-gun carriage, a track on which said carriage is reciprocable, said track being shaped to guide said carriage for reciprocable movement across a surface to be coated and for movement toward and away from said surface, and means for reciprocating said carriage with uniformly accelerated and retarded motion longitudinally of said track, said means comprising a rotary cylindrical cam and means operatively connecting said cam to said carriage, said connecting means including two members reciprocable as a unit in a rectilinear path in a horizontal plane, one of said two members being also movable in a vertical plane in a rectilinear path at right angles to said path of movement in a horizontal plane, said second member being connected to said carriage.

2,203,852
VISIBILITY CONTROL WHEEL
Willis L. Wells, Clayton, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application July 9, 1938, Serial No. 218,345
15 Claims. (Cl. 74—471)



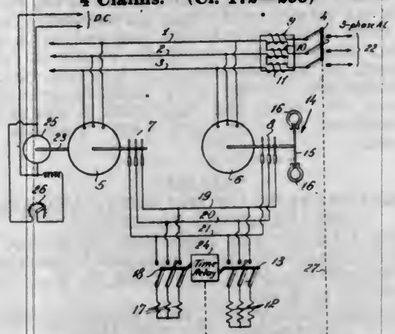
1. A control wheel structure for aircraft comprising a support having a segmental guide member, an arcuate rail circumferentially movable thereon, pulleys on the support, cables running over said pulleys and extending around and attached at their ends to said rail, an arcuate rim substantially coextensive with the rail and axially spaced therefrom, and brackets joining the rail and rim.

2,203,853
PROTECTIVE DEVICE FOR ELECTRICAL CIRCUITS
Eduardo Posada Zendejas, Mexico, D. F., Mexico, assignor to Electrol S. A., a corporation of Mexico
Application November 13, 1939, Serial No. 303,936
6 Claims. (Cl. 175—319)



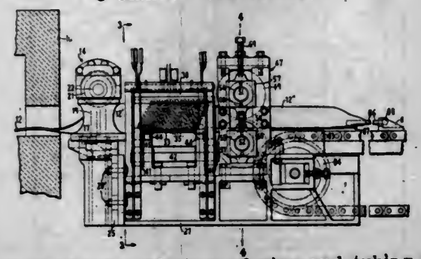
1. An electrolytic valve characterized by increase of internal resistance with increase of applied voltage, said valve comprising a body of electrolyte and a pair of metal non-film forming electrodes in contact with said electrolyte, said electrolyte consisting of a solution of water, sodium chloride, tannic acid, gallic acid and a thickening agent.

2,203,854
SELF-SYNCHRONOUS CONTROL SYSTEM
Joakim Ulrik Frederik Andersen, Charlottenlund, near Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y., a corporation of New Jersey
Application November 10, 1938, Serial No. 239,745
In Great Britain November 12, 1937
4 Claims. (Cl. 172—293)



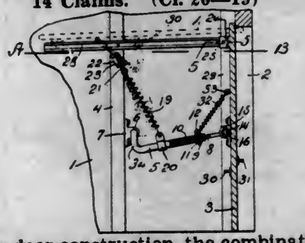
3. A system for starting up and bringing into synchronism two or more polyphase electrical machines of the asynchronous type having rotor and stator windings, the stator windings being arranged for connection in parallel with a source of polyphase electrical current and the rotor windings being connected in parallel with each other, one of said machines being adapted to operate as an alternating current generator and another of said machines being adapted to operate as an alternating current motor, and means for connecting in star-connection to said rotor windings at least during the starting period of said motor substantially equal ohmic resistances of a value higher than the resistances of said rotor windings, said machines being wound for a number of poles such that the frequency of the current in the rotors when the motor has pulled into step should not be less than about one-third the frequency of said current source, whereby upon connection to said electrical source the rotor of said motor accelerates slowly to attain synchronous operation with the rotor of said generator.

2,203,855
APPARATUS AND METHOD OF FORMING AND WELDING TUBES
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1937, Serial No. 156,116
5 Claims. (Cl. 78—83)



1. In the manufacture of pipe and tubing by forming preheated skelp into a tube blank, locally heating the seam edges of the formed blank to a welding condition by heating jets projected directly against the edge faces with the blank in continuous motion, and progressively bringing the seam edges together to make a weld immediately beyond the region of heating, the improvement which comprises forming the tube blank with a cross-section having a generally oval contour and converging but separated edge portions with the seam at one end of the oval, applying the heating jets to the separated faces of said edge portions, gathering the edge portions together by rolling pressure against the outside surface of the tube blank including rolling pressure applied over the area on both sides of the weld at the region where the edges come together, and exerting sufficient rolling pressure in the region of the weld to bend the tube to a circular contour and reduce the circumference of the tube below that of the tube blank.

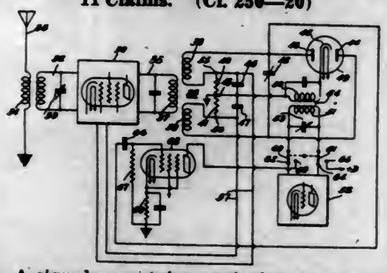
2,203,856
DOOR CONSTRUCTION
Edward E. Beason, Kansas City, Mo., assignor, by direct and mesne assignments, to Jacob H. Peters, Independence, Mo.
Application July 24, 1935, Serial No. 32,842
14 Claims. (Cl. 20—19)



1. In a door construction, the combination with a door, a support at the inner side thereof, and supporting means pivoted on parallel horizontal transverse axes to said door and to said support, whereby said door may be swung inwardly at its

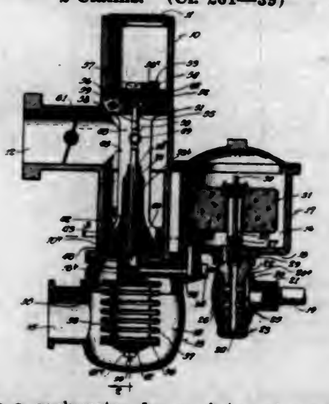
upper end from a vertical closed position to an open position above said supporting means, of a guide at the inner side of said door which inclines from its outer end inwardly and downwardly in a plane at right angles to said axes, and means on said door having traveling engagement with said guide and disposed above the axis of said door.

2,203,857
HIGH FREQUENCY SIGNAL RESPONSIVE CONTROL SYSTEM
George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1937, Serial No. 134,105
11 Claims. (Cl. 250—20)



1. A signal responsive control system comprising in combination, means including two signal conveying circuits in cascade tuned to resonance at the same frequency and providing two signal potentials having at all times the same frequency and a predetermined normal phase relation, said means being thereby responsive to a change in the frequency of said potentials to change said phase relation, and means connected with each of said circuits for converting a change in said phase relation into a variable controlling potential.

2,203,858
CARBURETOR
Philip C. P. Booty, Chicago, Ill., assignor of one-third to William E. O'Neil and one-third to Leroy D. Winters, both of Evanston, Ill.
Application November 3, 1938, Serial No. 238,626
2 Claims. (Cl. 261—39)



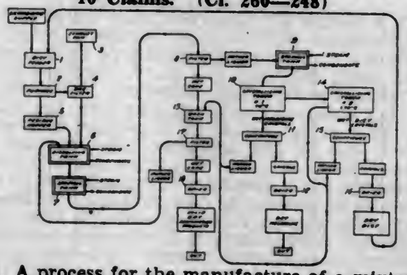
2. In a carburetor for an internal combustion engine, the combination of a casing, an air intake chamber communicating with said casing at its inlet end, a cone member adapted to close partially the passage between said casing and said chamber, a fuel nozzle extending through said cone member, said nozzle being fixed relative to said casing, said cone member being movable with respect to the nozzle and adapted to seat against a fixed portion of the casing, an air valve adapted to close substantially the remainder of said passage, said valve being supported by said cone member when the engine is not running and opening away therefrom under the suction of the engine when it is operating, a metering pin having tapered grooves therein extending into said nozzle and connected with said valve, and thermostatic means in said chamber comprising two headers with a bellows therebetween and a thermo-expansive body in the compartment formed by the headers and the bellows, one of said headers being fixed relative to said casing and the other of said headers being rigidly connected with said cone member, said thermostatic means under normal operating temperature of the air in said chamber holding the cone member against its said seat, the arrangement being such that movement of said second named header in response to a decrease of temperature in said chamber causes a movement of said cone member away from its said seat and a further outward movement of said pin relative to the nozzle.

2,203,859
HIGH PRESSURE MEMBRANE
Adolf Brendlin, Knapsack, Bezirk Cologne, Germany
Application May 26, 1937, Serial No. 144,783
In Germany May 28, 1936
6 Claims. (Cl. 137—157)



1. A high-pressure membrane which comprises an undulated membrane, rigid, essentially flat supports placed underneath this membrane on the face subjected to lower pressure on which supports the wave troughs of the membrane rest, and means on which the wave crests of the membrane are carried, said means corresponding with the form of the wave crests and resting in the loaded state of the membrane evenly on said supports, in the unloaded state, however, having a certain play relative to the supports in such a manner that when the membrane is charged a deformation of the membrane material is avoided.

2,203,860
MANUFACTURE OF MELAMINE AND ITS DEAMINATION PRODUCTS
Ludwig J. Christmann, Bronxville, and George H. Foster, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application December 17, 1938, Serial No. 246,254
10 Claims. (Cl. 260—248)

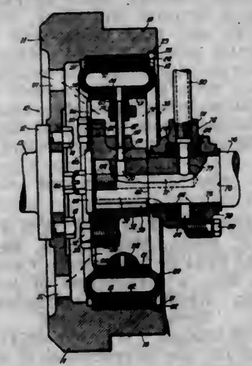


1. A process for the manufacture of a mixture of melamine and deamination products thereof which comprises heating molten dicyandiamide at substantially atmospheric pressure in the form of thin films in contact with extensive surfaces of substantial heat capacity.

2,203,861
PREPARATION OF AROMATIC NITRILES
Arden Garrell Deem, Champaign, Ill., and Wilbur Arthur Lazier, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 6, 1938, Serial No. 244,232. In Great Britain May 27, 1938
7 Claims. (Cl. 260—465)

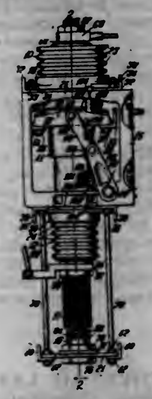
1. In the process of producing aromatic nitriles by reacting, in the gaseous phase and in the presence of a catalyst, ammonia and a compound selected from the group consisting of aromatic carboxylic acids, their anhydrides, amides and imides, the improvement which consists of employing as catalyst a dehydrating agent selected from the group consisting of the oxides of beryllium, vanadium, zirconium and tungsten.

2,203,862
CLUTCH
Clarence M. Eason, Waukesha, Wis., assignor to Industrial Clutch Company, Waukesha, Wis., a corporation of Wisconsin
Application March 25, 1937, Serial No. 132,986
13 Claims. (Cl. 192—88)



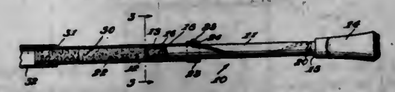
4. As a means for releasably coupling a driving part to a driven part, a friction clutch comprising a driving member and a driven member, each being adapted to be connected to one of said parts, a coupling element loosely disposed between and adapted to transmit the drive between said members, means carried by one of said members for engagement with said coupling element and having a coefficient of friction with said element that is higher than the coefficient of friction between said coupling element and the other member, said coupling element being loosely carried with the member with which it has the lower coefficient of friction and being out of engagement with the means on the other member with which it has the higher coefficient when the clutch is disengaged, and means for forcing said last mentioned means radially into frictional engagement with said coupling element so as to connect said clutch members through said coupling element and the means engageable therewith.

2,203,863
ELECTRIC SWITCH
Fred Farrell, Elmwood Park, Ill., assignor to Electrical Engineers Equipment Company, a corporation of Illinois
Application April 28, 1937, Serial No. 139,405
13 Claims. (Cl. 200—16)



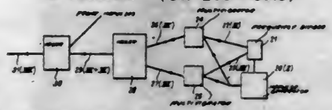
1. In an outdoor high tension disconnecting switch of the class described, a stationary upper contact having an insulated line terminal comprising means for clamping and supporting the end of a line conductor, a stationary intermediate insulated line terminal, a stationary insulated lower contact, rigid supporting insulators for said line terminals, an axially movable elongated rodlike conductor in constant slidable electrical engagement with said intermediate terminal and adapted to engage selectively either of said contacts, a tubular insulator connected to said movable conductor and telescoping with said supporting insulators to render the switch weatherproof, means for guiding said elongated conductor independently of the contacts, a movable rocking shaft for reciprocating said elongated conductor, a rigid arm connected to said shaft and a link for connecting the arm and the tubular insulator, said arm and link forming a toggle when the conductor is moved into engagement with the upper contact to lock the conductor and said upper contact together.

2,203,864
CIGARETTE MAKER AND HOLDER
Max Friedman, High Point, N. C.
Application August 5, 1938, Serial No. 223,307
4 Claims. (Cl. 131—23)



1. A combination cigarette maker and holder comprising a hollow piston, an apertured piston head at one end thereof, a cylindrical sleeve adapted to telescope over said piston, and cooperating means on one end of said sleeve and in said piston limiting and guiding the telescopic action of said sleeve over said piston, said cooperating means comprising a key extending through said sleeve, and a groove along the outer side of said piston into which groove said key extends, said groove being of longitudinal S-shape, the reverse portions of said S-shape groove providing means for locking said sleeve in telescoped or extended position.

2,203,865
SIGNALING SYSTEM
Max Geiger, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 20, 1937, Serial No. 126,783
In Germany February 25, 1936
6 Claims. (Cl. 178—69.5)

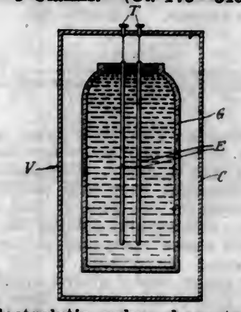


1. A synchronizing system comprising an impulse generator, a push-pull amplifier, means to feed energy from the impulse generator to the push-pull amplifier, a plurality of multivibrators, means to feed energy from both the impulse generator and the push-pull amplifier to each of the plurality of multi-vibrators, and means to derive energy from each of the multivibrators and means to combine the derived energies.

2,203,866
TREATMENT OF LATEX
Willis A. Gibbons, Montclair, and John McGavack, Leonia, N. J., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 10, 1937, Serial No. 158,336
9 Claims. (Cl. 260—819)

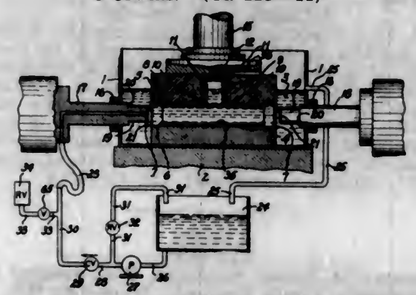
1. The method of raising the surface tension of uncompounded rubber latex which comprises mixing therewith up to .5% by weight of the latex of an alkaline-earth metal in the form of a salt of the metal having a solubility in water at room temperature of .3 to 5 millimoles of the metal per liter and selected from the group consisting of calcium carbonate, magnesium carbonate, strontium sulphate, barium diphosphate, calcium citrate, strontium citrate and barium citrate.

2,203,867
PROTECTIVE DEVICE FOR ELECTRIC CIRCUITS
Mathias Gossmann, Mexico, D. F., Mexico, assignor to Luis G. Legorreta, Mexico, D. F., Mexico
Application March 23, 1938, Serial No. 197,586
In Mexico January 12, 1938
8 Claims. (Cl. 175—319)



1. An electrolytic valve characterized by increase of resistance with increase of applied voltage, said valve comprising a container and a pair of chromium electrodes supported within said container, said container containing an electrolyte solution consisting of the following ingredients in the weight percentage indicated: sodium chloride 15%; glucose 25%; calcined magnesia 35% and water 25%.

2,203,868
APPARATUS FOR MAKING WROUGHT METAL T'S
John E. Gray, Anthony P. Devereaux, and William M. Parker, Port Huron, Mich., assignors to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan
Application June 26, 1939, Serial No. 281,084
3 Claims. (Cl. 113—44)



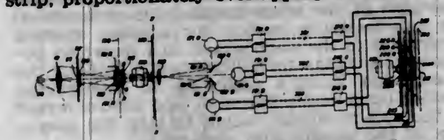
1. Apparatus for upsetting tubular blanks into T fittings comprising a tank, means establishing a liquid level in said tank, a forming die having a longitudinal passage, open at each end, for receiving and forming said blank, said die being positioned in said tank below said liquid level, a pair of rams axially aligned with said passage and movably positioned to enter said passage from the opposite ends thereof, at least one of said rams having a liquid passage extending to the end face thereof which enters said die, and means supplying liquid under pressure to said last-named passage.

2,203,869
CELLULOSE ETHERIFICATION PROCESS
Frederick C. Hahn, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 19, 1934, Serial No. 744,669
20 Claims. (Cl. 260—231)

1. Process for the preparation of ethyl cellulose, which comprises reacting about 100 parts cellulose with about 500 parts of ethyl chloride in the presence of about 180 parts of water, 392 parts of caustic soda, 813 parts of benzene, and 10 parts of a wetting agent essentially comprising the alkali salts of a mixture of aliphatic acids obtained by the oxidation of higher alcohols obtainable by the catalytic hydrogenation of carbon oxides.

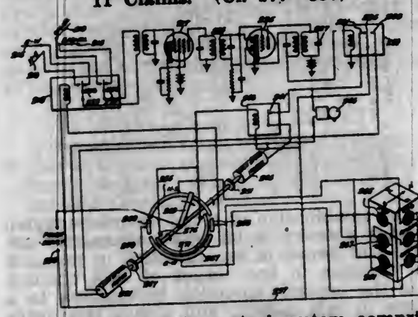
2,203,870
MULTIPLE CHANNEL ELECTRO-OPTICAL SYSTEM
William A. Knoop, Hempstead, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1936, Serial No. 117,530
8 Claims. (Cl. 178—5.2)

1. The method of reducing in an electro-optically produced image the extraneous pattern superimposed upon the image field by the process of constructing the image strip by strip, which consists in transmitting primary color signal components of the object whose image is transmitted and producing an image thereof strip by strip, proportionately overlapping the respective



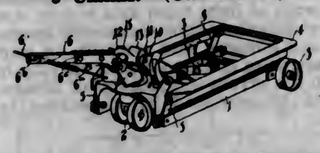
color component scanning strips in each scanning cycle, and staggering the scanning strips a fraction of the width of the scanning strips in alternate scanning cycles.

2,203,871
RADIO TRAFFIC CONTROL
Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 13, 1936, Serial No. 105,357
11 Claims. (Cl. 177—337)



1. A remote traffic-control system comprising means for signaling drivers of vehicles to proceed or stop their vehicles, a mobile transmitter including means for radiating radio frequency waves, means for modulating said waves with combinations of currents of different frequencies, means for varying said combinations, means for receiving and demodulating said waves, means for separately selecting said currents of different frequencies, means for separately rectifying said selected currents, and a plurality of separate means selectively responsive to said rectified currents to control said proceed or stop signals in accordance with said variations in said combinations.

2,203,872
LIFTING TRUCK
Frank Gordon Mahaffy, Toronto, Ontario, Canada
Application September 5, 1939, Serial No. 293,423
9 Claims. (Cl. 254—10)

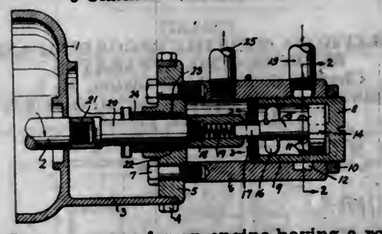


9. A lifting truck comprising in combination a main frame; supporting and steering wheels therefor; a steering and elevating handle; an elevating frame mounted on said main frame; and means for connecting the elevating frame to said handle comprising two interengageable members, one of which is mounted on the handle, and the other of which is transversely slidably mounted on the frame.

2,203,873
POLYMERS OF HIGH MOLECULAR WEIGHT AND PROCESS OF PRODUCING SAME
Martin Mueller-Cunradi, Ludwighafen-on-the-Rhine, and Michael Otto, Oppau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 1, 1937, Serial No. 145,828
6 Claims. (Cl. 260—94)

1. An improved process for producing solid polymers of iso-olefins comprising preparing an iso-olefin in a condition of high purity such that sulfur its compounds, normal olefins of more than 4 carbon atoms, alkyl halides oxygen containing derivatives of hydrocarbons and aromatic hydrocarbons are reduced to the merest traces and then polymerizing the purified iso-olefin while maintaining a temperature below —30° C. throughout the reaction.

2,203,874
GOVERNOR
Robert L. Ohls, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application October 12, 1939, Serial No. 299,061
9 Claims. (Cl. 137—158)



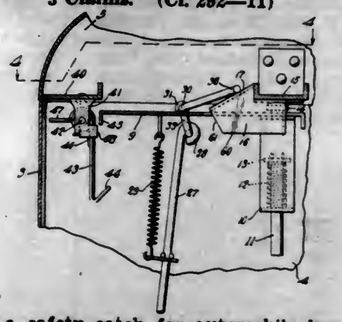
1. In a governor for an engine having a rotary part and actuated by a power fluid, a propeller located in a space adapted to contain such power fluid and connected to said rotary part for actuation thereby, a valve connected to said propeller for controlling the flow of power fluid to said engine, means normally maintaining said propeller in position to hold said valve open and yieldable under the reaction of said propeller in operation against the power fluid to permit said propeller to shift and move said valve toward closed position.

2,203,875
LOUD-SPEAKER
Harry F. Olson, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1937, Serial No. 139,848
7 Claims. (Cl. 181—27)



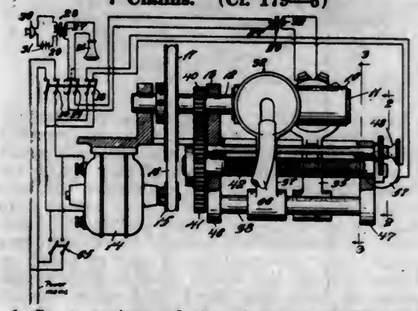
1. A horn having an internal surface defining a space therewithin which has a single rate of flare internally along its entire length, and means disposed within said horn for changing the effective rate of internal flare thereof in the region where said means is located.

2,203,876
HOOD LATCH
Arthur E. Peterson, Chicago, Ill., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application July 9, 1938, Serial No. 218,375
3 Claims. (Cl. 292—11)



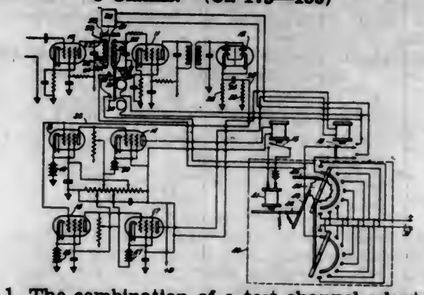
1. In a safety catch for automobile hoods, a latch member within the hood, means for normally urging said latch member to securing position, and manual means, inaccessible to the operator when the hood is closed, for moving said latch member to release position when the hood is partly open including a member adapted for actuation in response to the movement of the hand of the operator in the normal act of lifting the hood.

2,203,877
TELEPHONE MESSAGE RECORDING AND REPRODUCING APPARATUS
Charles C. Plumb, Cranston, R. I.
Application April 29, 1939, Serial No. 270,796
7 Claims. (Cl. 179—6)



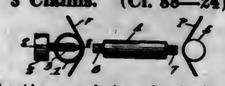
1. In a system of the character indicated, a phonograph adapted to record and reproduce selectively and having a rotatable record support and separate members pivotally mounted at opposite sides of the record axis for independently mounting the recording and reproducing devices, each of said pivoted members being arranged for relative movement with respect to a record on such support, a dictator's station remote from said phonograph and comprising telephone apparatus, a telephone circuit for said telephone apparatus, a telephone call-receiving station connectable with said circuit and remote from said phonograph and said dictator's station and comprising means for electrically controlling the operation of said phonograph, an energizing circuit for said control means, means at such call-receiving station for electrically connecting the telephone circuit with the phonograph for recording telephone dictation, electrically actuatable means at said phonograph station for shifting the phonograph from a reproducing position when the apparatus is inactive to a recording position when the control means at said telephone call-receiving station is moved to cause operation of the phonograph, control means at the call-receiving station for causing shifting electrically of the phonograph to a recording position, and means for automatically shifting the phonograph from a recording to reproducing position upon manipulation of said control means at the call-receiving station to stop the operation of the phonograph apparatus.

2,203,878
ELECTRICAL TESTING SYSTEM
Albert L. Rosenberg, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 5, 1937, Serial No. 157,472
8 Claims. (Cl. 175—183)



1. The combination of a test channel adapted to receive a device to be tested, means for adjusting said device in one direction in response to an increase in the output of said channel and in the opposite direction in response to a decrease in said output, and means responsive to the insertion of said device in said channel for producing a momentary initial variation in said output.

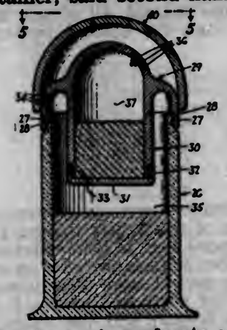
2,203,879
SOUND FILM PRINTER
Lawrence T. Sachtleben, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1937, Serial No. 156,682
3 Claims. (Cl. 88—24)



1. A projection printer including means for moving a film having an image thereon past an operational point, an optical system for producing an image of said film in an image plane, and means for moving sensitized film stock past the image in said image plane, a light source for illuminating the film, an illuminating aperture defining a beam of light from said source, and lens means for directing light from said aperture to the film and imaging said aperture on said film, the said aperture having a width varying in proportion to the errors in intensity of illumination tending to be produced by vignetting in said apparatus.

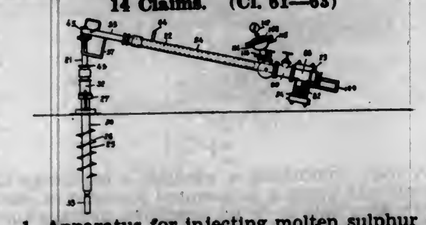
2,203,880
COMBINATION DISPENSER
Valentine Schindelbeck, Boonton, N. J.
Application September 15, 1938, Serial No. 229,994
4 Claims. (Cl. 65—45)

3. A combination dispenser comprising a container having a cover removably mounted thereon, said cover being substantially imperforate except for an off-set group of perforations at one side thereof, a second container depending from said cover and being situated within said first-named container, said second-named container



being covered by an imperforate section of said first-named cover, said imperforate section being provided at one side with a perforated portion, said perforated portion being off-set with respect to the said perforations of said first-named cover.

2,203,881
SOLIDIFICATION OF SANDY SOILS
James W. Schwab, Samuel Forde Powell, and Guy Smith, Newgulf, Tex., assignors to Texas Gulf Sulphur Company, Houston, Tex., a corporation of Texas
Application December 2, 1937, Serial No. 177,756
14 Claims. (Cl. 61—63)



1. Apparatus for injecting molten sulphur underground comprising a cylindrical casing for insertion into a well, a steam-sulphur injection tube extending substantially concentrically through the casing, and an extensible manifold comprising a pair of telescoping conduits for connecting the injection tube with a source of molten sulphur.

2,203,882
PHOTOAMPLIFIER SYSTEM
Henry Shore, Elizabeth, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1934, Serial No. 759,497
4 Claims. (Cl. 178—7.1)

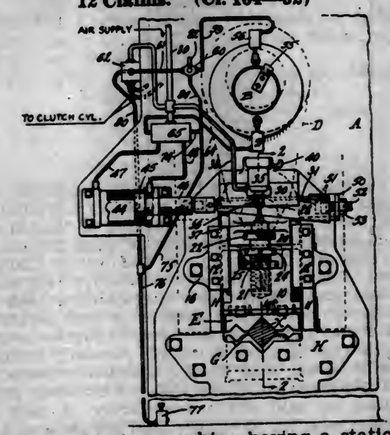


4. An intelligence transmitting system comprising means for converting variations in light intensities into variations in amplitudes of direct current, means for amplifying the direct current, means for storing electrical energy up to a predetermined value at a rate proportional to the amplitude of the amplified direct current, means for dissipating the stored energy in a constant fixed predetermined time interval when the stored energy reaches the said predetermined value, means for selecting signalling impulses of constant duration from the dissipated energy, and means for spacing the impulses variably in time proportional to the variations in light intensities.

2,203,883
SULPHURIC ACID ESTERS OF ALCOHOL ETHERS CONTAINING A CARBOCYCLIC GROUP
Adolf Steindorff, Gerhard Balle and Paul Heimke, Frankfort-on-the-Main, and Karl Horst, Hofheim in Taunus, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 4, 1937, Serial No. 140,706. In Germany December 12, 1935
5 Claims. (Cl. 260—457)

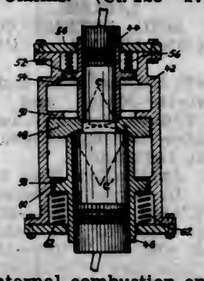
1. The compounds of the general formula: $R.O.R_1.O.SO_2H$ wherein R represents a member of the group consisting of aromatic and hydroaromatic radicals being substituted at least once by a member of the group consisting of aliphatic cycloaliphatic and aliphatic-aromatic radicals with more than 3 carbon atoms, R_1 represents a carbon chain which is interupted at least once by a member of the group consisting of oxygen, sulphur and nitrogen, which in the form of their water-soluble salts possess capillary activity.

2,203,884
HOLDING OR STRIPPING MECHANISM FOR SHEARING MACHINES
Stanley H. Stone, Buffalo, N. Y., assignor to Buffalo Forge Company, Buffalo, N. Y.
Application November 20, 1939, Serial No. 305,219
12 Claims. (Cl. 164—52)



1. In a shearing machine having a stationary knife and a movable knife, the combination of a stripping mechanism for confining the work in the desired relation to said stationary knife, and including a stripper member movable toward and from the work, a wedge which is movable transversely of the direction of movement of said stripper member and which, when moving in one direction, imparts movement to said stripper member in a direction to move said stripper member toward the work, and means for moving said stripper member away from the work when said wedge moves in the opposite direction.

2,203,885
LINER FOR INTERNAL COMBUSTION ENGINES
Karl Wilcken and Franz Kliempt, Dessau, Walter Fritz, Dessau-Ziebigk, and Wilhelm Heck, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke, Aktiengesellschaft, a corporation of Germany
Application April 15, 1939, Serial No. 268,102
In Germany April 16, 1938
8 Claims. (Cl. 123—173)



1. In an internal combustion engine having a cooling jacket, two cylinder liners of different size coaxially aligned and mounted for longitudinal movement within said jacket, an intermediate member mounted for longitudinal movement within said jacket and interposed and providing communication between said liners, and resilient means for holding said liners into engagement with said member.

2,203,886
BALL DELIVERY MACHINE
Vicente Zamora, Manila, P. I.
Application January 16, 1939, Serial No. 251,255
3 Claims. (Cl. 273—144)



1. A machine of the character described comprising a frame, a drum rotatably mounted on said frame for carrying a plurality of objects, said drum having a cup member pivoted therein for selecting and holding one of the objects upon rotation of said drum, means positioned rearwardly of said cup member for maintaining said cup member in non-tilting position, a lever pivoted to said drum, one end of said lever adapted to overlie said cup member, a trigger pivotally mounted on said frame, said trigger adapted to cooperate with said lever for tilting said cup member, means secured to said drum rearwardly of said cup member adapted to engage said trigger and move same out of the path of the said lever and a chute extending within the drum for the deposit therein of the contents of said cup member and for delivery of said contents outside of the drum.

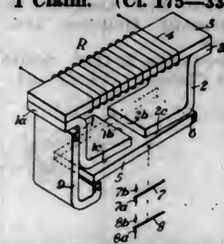
2,203,887
TRANSPARENT STAMP POCKET FOR ALBUM MOUNTING
Paul Zimmer, Venlo, Netherlands
Application September 21, 1937, Serial No. 164,976
In Germany September 22, 1936
1 Claim. (Cl. 40—159)

A pocket for storing postage stamps and for sticking them in albums, wherein the pocket is made of transparent material, such as cellulose derivatives free from fibres, said pocket formed from a blank having a rectangular central portion, a flap on each edge of the central portion, one of said flaps being cut to form a tongue between the sides thereof, all of said flaps being of lesser area than the central portion, and said



flaps being foldable over the central portion with selected faces of the flaps gummed, the flap carrying the tongue and the diametrically opposite flap being first folded over the central portion and the other pair of edge flaps being folded over the first folded flaps and gummed thereto laterally of the tongue and the outer face of the tongue being gummed for album mounting.

2,203,888
ELECTRICAL RELAY
Harry E. Ashworth, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 5, 1938, Serial No. 194,160
1 Claim. (Cl. 175—339)

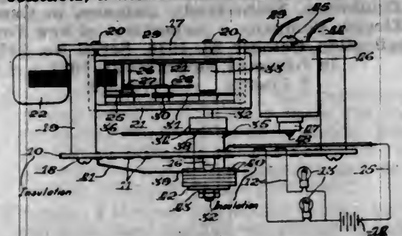


A relay comprising a winding, a backstrap on which said winding is mounted provided at each end with a pole piece, an armature pivotally supported adjacent one pole piece for swinging movement either toward or away from both said pole pieces simultaneously and biased by gravity to swing away from said pole pieces, and a permanent magnet secured at one end directly to the pole piece at the free end of said armature and having its other end disposed opposite the pole face of said last mentioned pole piece in such manner that when said armature swings away from said pole pieces it will swing toward said other end of said permanent magnet, whereby said permanent magnet exerts a hold-down torque on said armature when said electromagnet is deenergized and prevents said armature from swinging toward said pole pieces when said winding is supplied with current of one polarity but not when said winding is supplied with current of the other polarity.

2,203,889
ROTARY SPINNER SWITCH
Charles J. Breitenstein and Frank G. Nicolaus, Chicago, Ill., assignors to Raymond T. Moloney, Chicago, Ill.
Application August 26, 1937, Serial No. 161,063
6 Claims. (Cl. 200—92)

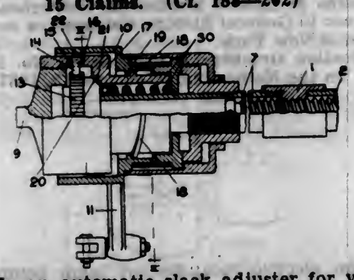
1. In a rotary switch, a contact carrying plate

with the contacts disposed in a circle, means journaled in the plate for carrying a switch member movable always in the same direction over the contacts, a motor including gearing to drive



the member, a friction drive coupling interposed in the gearing, a peripherally notched wheel turnable with the member, and a detent movable parallel to the axis of the notched wheel to lock the said wheel to prevent turning of the member.

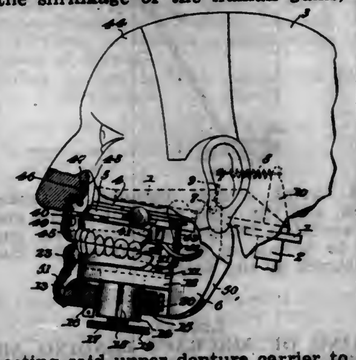
2,203,890
AUTOMATIC SLACK ADJUSTER FOR VEHICLE BRAKES, ESPECIALLY RAILWAY CAR BRAKES
Bert Henry Browall, Malmo, Sweden, and Ludwig Scheib, Kaiserslautern, Germany, assignors to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application July 13, 1937, Serial No. 153,414
In Austria April 7, 1937
15 Claims. (Cl. 188—202)



1. In an automatic slack adjuster for vehicle brakes, especially railway car brakes, of the character described, members relatively movable for adjusting the slack, a locking device for locking said members against slack increasing movement in relation to each other, and means including an actuating device adapted to be moved forth and back by the application and release movements of the brake, respectively, for so controlling said locking device that it is rendered active by a commencing movement of the actuating device in the release direction and inactive by a commencing movement of the actuating device in the brake application direction, the locking device being so arranged that it also is operative for transmitting, at the release of the brake, a movement from the actuating device to one of said members in relation to the other in the slack reducing direction.

2,203,891
DENTURE DEMONSTRATING APPARATUS
George Henry Burtenshaw, Taumarunui, New Zealand
Application April 16, 1937, Serial No. 137,341
13 Claims. (Cl. 32—71)

1. A device for demonstrating the effect on the facial expression of shrinkage of human gums fitted with artificial dentures, comprising a member simulating the upper jaw, a member simulating a lower jaw pivotally carried by the upper jaw member, a facial mask carried by the upper jaw member, a lower jaw mask carried by the lower jaw member, each mask having lip portions displaceable inwardly, an upper denture carrier mounted on the upper jaw member for upward movement on said member to simulate the shrinkage of the human gums, means



connecting said upper denture carrier to the lip of the upper mask so that said lip will be positively drawn inwardly in correspondence to the inward displacement of said carrier, a lower denture carrier mounted on the lower jaw member for downward movement on said member simulating the shrinkage of the gums, and means engaging the lip of the lower mask to hold said lip in positions corresponding to displacement of said lower carrier.

2,203,892
ICE CUBE REMOVER
Clifford R. Carney, Miami, Fla., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application May 17, 1937, Serial No. 143,162
5 Claims. (Cl. 62—108.5)

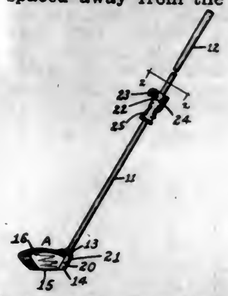


1. An ice cube remover for ice trays having a plurality of separated ice pockets, comprising movable members depending within the pockets close to walls thereof and adapted to be disposed normally at an incline and shiftable to a substantially perpendicular position, and means active upon said members for imparting motion thereto.

2,203,893
GOLF CLUB
Arthur J. Chapman, Wheeling, W. Va., assignor of three-tenths to Charles L. Eshleman and two-tenths to Robert B. Ryland, both of Wheeling, W. Va.
Application February 10, 1939, Serial No. 255,605
4 Claims. (Cl. 273—77)

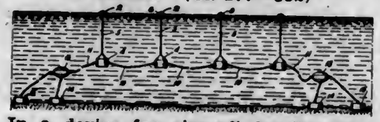
1. A practice golf club comprising a shaft of substantially uniform diameter throughout its length, a head affixed to one end of the shaft, a ferrule affixed to the head and encircling the

adjacent end of the shaft, a resilient cushion encircling the ferrule, a weight encircling the shaft and slidable thereon between the cushion and a stop spaced away from the cushion, the



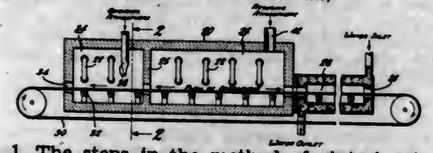
weight having a seat designed to strike the cushion, and the head adjacent to the cushion being arcuately recessed away from the cushion so as to permit of expansion of the cushion when struck by the weight.

2,203,894
MARKING OF AIRCRAFT LANDING AREAS
Donald D. Cooke, New York, N. Y.
Application May 31, 1938, Serial No. 210,924
6 Claims. (Cl. 177—352)



1. In a device for aircraft landing areas on water, a floatable illuminating marker, non-floatable means for supplying lighting energy to the illuminating marker, and flexible connecting means, readily yielding when the marker is struck and having a length greater than the draft of the aircraft, connecting said energy-supplying means to said marker and through which the marker is supplied with lighting energy and suspends said energy-supplying means at a depth greater than the draft of the aircraft.

2,203,895
METHOD OF SINTERING POROUS METAL OBJECTS
James H. Davis, Roland P. Koehring, and John T. Marvin, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 6, 1939, Serial No. 249,560
14 Claims. (Cl. 75—22)



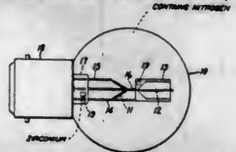
1. The steps in the method of sintering briquettes made from powdered metal and including a small quantity of carbonaceous material therein, comprising, heating the briquette in an oxidizing atmosphere for a time sufficient to burn out at least a portion of the carbonaceous material, and then heating the briquette in a reducing atmosphere for a time sufficient to reduce any metallic oxide present and for simultaneously sintering the briquette and increasing its strength.

2,203,896
ELECTRIC INCANDESCENT LAMP
Jan Hendrik de Boer, Willem Elenbaas, Eduard G. Dorgelo, and Hendricus J. Lemmens, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application October 27, 1938, Serial No. 237,334
In Germany November 29, 1937
2 Claims. (Cl. 176—16)



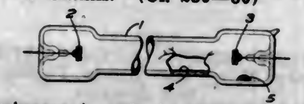
1. An electric incandescent lamp comprising an envelope containing a gas filling, a refractory metal filament mounted within said envelope, and at least two bodies of metallic zirconium arranged within said envelope in a space in which a temperature drop exists, said bodies being located at such points that the temperature attained by at least one of said bodies corresponds to a minimum of approximately 700° C. and the temperature attained by at least one other of said bodies corresponds to a maximum of approximately 500° C.

2,203,897
ELECTRIC INCANDESCENT LAMP
Antonius de Graaff, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application October 27, 1938, Serial No. 237,365
In the Netherlands November 2, 1937
2 Claims. (Cl. 176—16)



1. An electric incandescent lamp comprising an envelope having a gas filling containing nitrogen, and a body of metallic zirconium within said envelope, said body being located at a point in said envelope at which the temperature, during operation of the lamp, is of the order of magnitude of 200° C. to not over about 600° C. whereby the heated zirconium absorbs hydrogen and hydrogen compounds present in the lamp but does not appreciably absorb the nitrogen in the lamp.

2,203,898
LUMINESCENT MATERIAL
Reinier W. P. de Vries, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application May 26, 1938, Serial No. 210,278
In Germany June 4, 1937
3 Claims. (Cl. 250—80)



1. A luminescent product resistant to high temperatures and workable into articles of desired shape containing luminescent material and an inorganic salt mass enveloping said material, said salt mass containing a mixture of acids and bases the basic component of said mass being a material from the group consisting of zinc oxide and sodium oxide, the acid component of said mass consisting of a material from the group consisting of boric oxide or phosphorous pentoxide, the constituents of said salt mass being in such proportion relative to each other that:

(a) The sum of three times the mol percentage of zinc oxide and eighteen times the mol percentage of sodium oxide is greater than the sum of twice the mol percentage of boron trioxide and nine times the mol percentage of phosphorous pentoxide;

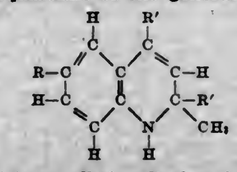
(b) The sum of the mol percentage of zinc oxide and four times the mol percentage of sodium oxide is smaller than the sum of twice the mol percentage of boron tri-oxide and four times the mol percentage of phosphorous pentoxide;

(c) Three times the mol percentage of zinc oxide is greater than twice the mol percentage of sodium oxide;

(d) The sum of the mol percentage of sodium oxide and the mol percentage of phosphorous pentoxide amounts to at least 2.

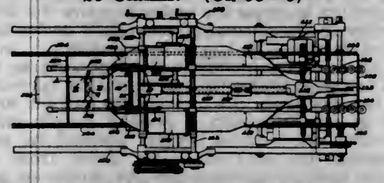
2,203,899
RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER
Raymond F. Dunbrook and Bingham J. Humphrey, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application April 26, 1939, Serial No. 270,206
15 Claims. (Cl. 260—800)

1. A method of retarding the deterioration of rubber which comprises treating rubber with a 1,2-dihydroquinoline of the general formula



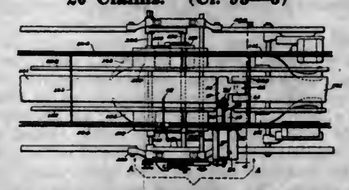
wherein R' is an alkyl radical and R is a member of the group consisting of alkyl and cycloalkyl radicals.

2,203,900
APPARATUS FOR SEALING CARTONS
Harry S. Fox and Kenneth W. Emerson, Honolulu, Territory of Hawaii, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of the Territory of Hawaii
Application August 1, 1939, Serial No. 287,776
26 Claims. (Cl. 93—6)



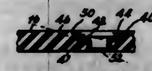
1. In apparatus for sealing packed cartons by securing outer flaps over unmeeting inner flaps, the combination of means for opening a pair of said outer flaps to expose the gap between a pair of said unmeeting inner flaps, and to position a filler strip on the contents of said carton between the edges of said exposed gap.

2,203,901
APPARATUS FOR SEALING CARTONS
Francis N. Todd and Kenneth W. Emerson, Honolulu, Territory of Hawaii, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of the Territory of Hawaii
Application August 1, 1939, Serial No. 287,783
20 Claims. (Cl. 93—6)



1. In apparatus for sealing cartons by securing outer flaps over unmeeting inner flaps, a slide, means for advancing a carton along said slide with an unmeeting pair of said flaps resting on said slide, a slot in the slide adapted to register with the gap between the ends of said unmeeting inner flaps on passage of the carton thereby, and means operative on registry of said gap with said slot to insert a filler strip into said gap through said slot.

2,203,902
CONTAINER FOR ELECTROLYTIC CONDENSERS
Alexander M. Georgiev, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application June 23, 1934, Serial No. 732,119. Divided and this application November 26, 1937, Serial No. 176,479
5 Claims. (Cl. 220—89)



1. In a cover for a container of an electrolytic condenser and having a counterbored hole providing an annular shoulder, a resilient impervious diaphragm within and extending across the hole; and an eyelet of Z-shaped cross section press-fitted into both bores of the counterbore and clamping the diaphragm against the annular shoulder and the wall of the counterbore.

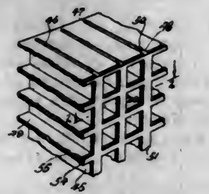
2,203,903
STABILIZED PHOTOGRAPHIC FIXING POWDER
Garnet Philip Ham, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 15, 1938, Serial No. 219,351
4 Claims. (Cl. 95—88)

1. A photographic fixing solution comprising the following:

	Grams
Sodium thiosulfate	about 223
Sodium sulfite	about 16
Sodium acetate	about 18
Citric acid	about 11
An alum	about 20–24

Water sufficient to make about 1 liter of solution.

2,203,904
RADIATOR
Charles A. Hammond, Alden, N. Y.
Application August 12, 1938, Serial No. 224,592
2 Claims. (Cl. 257—130)

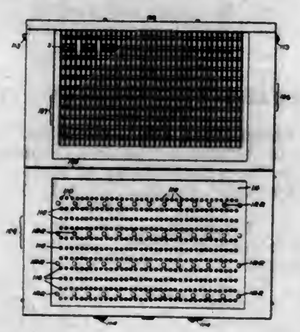


1. A cellular core for radiators comprising an integral body provided with a plurality of rows of air passages and a plurality of water channels which alternate with said rows of air passages and each of said water channels being closed at one of its longitudinal sides by a wall which constitutes an integral part of said body, and closures which cover the opposite longitudinal sides of said water channels and each of which closures constitutes a part separate from said body and is secured thereto and each of said closures having a strip which is arranged within one of said water channels and flanges projecting laterally from said strip and overlapping the adjacent outer side of said body.

2,203,905
PIGMENT
Joseph C. Heckman, Pittsburgh, Pa.
No Drawing. Application June 21, 1937, Serial No. 149,435. Renewed October 21, 1939
1 Claim. (Cl. 134—59)

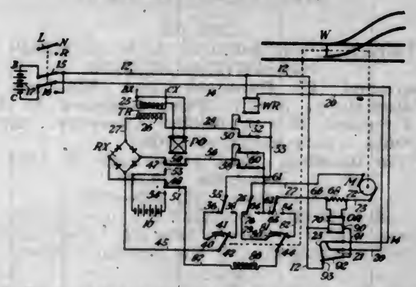
The method of producing an iron oxide pigment material which comprises making a mixture containing 88% to 99.5% ferrous sulphate and .5% to 12% spent oxides of iron from artificial gas plants, by weight, and calcining the mixture.

2,203,906
MECHANISM FOR PHOTOGRAPHICALLY RECORDING VOTING MACHINE INDICATIONS
Edson S. Hineline, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application November 4, 1936, Serial No. 109,142
10 Claims. (Cl. 235—50)



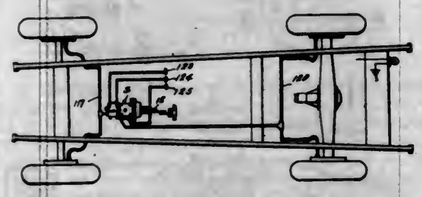
6. In combination, in a voting machine, a multiplicity of indicators thereof that separately and respectively register the votes for each candidate and/or question to be voted on at one election, a closure or casing for all of said indicators, said closure or casing constituting a part of said voting machine and constituting also a barrier preventing access to said indicators, a cover permanently attached to the said closure or casing and adapted to be opened out so as to disclose to view the said indicators and to be shut so as to conceal the same from view, said cover constituting a unitary part of said voting machine, a camera having a separate lens for each of said multiplicity of indicators, said camera being wholly mounted upon the inside of said cover in such relation to said indicators that when the said cover is closed the said camera is in image-producing relation to said indicators, and means for operating said camera when said cover is closed, thereby to produce and retain the photographic images so produced by said camera.

2,203,907
MOTOR CONTROL SYSTEM
Claude M. Hines, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 25, 1938, Serial No. 242,228
8 Claims. (Cl. 172—239)



1. In a motor control system, in combination, a driven member movable between a normal and a reverse position, a first and a second normal contact, a first and a second reverse contact, the normal contacts being open only when the driven member is in the normal position and the reverse contacts being open only when the driven member is in the reverse position, a direct current motor for moving said driven member between its two positions, a pair of supply conductors, a source of alternating current, a rectifier operative on the supply of alternating current thereto to supply direct current to said supply conductors, a control device having a normal condition and a reverse condition, said device being operative when in the normal condition to establish a circuit including the first normal contact in series therewith for supplying current to the rectifier from the alternating current source and to also establish a normal supply circuit including the second normal contact in series therewith for energizing the motor from said supply conductors to cause the motor to move the driven member to the normal position, said device being operative when in the reverse condition to establish a circuit including the first reverse contact in series therewith for supplying current to the rectifier from the alternating current source and to also establish a reverse supply circuit including the second reverse contact in series therewith for energizing the motor from said supply conductors to cause the motor to move the driven member to the reverse position, and means for selectively causing said control device to assume its normal or its reverse condition, the first normal contact being opened slightly in advance of the second normal contact on movement of the driven member to the normal position, the first reverse contact being opened slightly in advance of the second reverse contact on movement of the driven member to the reverse position.

2,203,908
SAFETY HYDRAULIC BRAKE SYSTEM
Emil Hess, Berlin, Wis.
Application October 3, 1935, Serial No. 43,439
3 Claims. (Cl. 188—152)



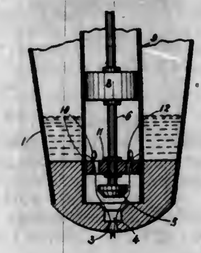
1. In a fluid brake system for a motor vehicle, in combination a plurality of cylinders including a master cylinder having a piston working therein and a reservoir communicating therewith, secondary cylinders, floating pistons in said secondary cylinders, a passageway leading from said master cylinder, a governor cylinder into which said passageway leads, a triple function pressure equalizing piston in said governor cylinder for equalizing the distribution of fluid pressure to said secondary cylinders through passage means provided between said passageway and said secondary cylinders, said pressure equalizing piston being provided with spring means adjustable as to tension responsive to the desired fluid pressure in said system at the brake side of said piston, one end of said governor cylinder having an opening closed by a plug containing insulated contact post therein, a contact on said pressure equalizing piston arranged to engage said post in case of lack of normal fluid pressure in the system at the said brake side of the piston while the vehicle is at a standstill and an electrical signal operated by engagement of said contact and said post.

2,203,909
EMERGENCY STRETCHER CONTRIVANCE FOR USE ON SKI TOURS
Theodor Insam, Kitzbuhel, Germany, assignor to Degenhard Graf von Wurmbrand-Stuppach, Vienna, Germany
Application April 28, 1938, Serial No. 204,868
In Austria March 12, 1938
2 Claims. (Cl. 280—12)



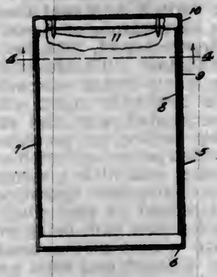
2. In an emergency stretcher, an inverted U-shaped bridging member, a pair of clamping plates carried by each end of said member, the plates of a pair being slidable relatively to one another and each having a bar gripper, one of said plates being slotted, a nut member secured to the other of said plates and projecting through said slot, a clamping screw passing through said nut for engaging a bar held by said grippers, and a pressure screw carried by the slotted plate and engaging the side of said nut.

2,203,910
APPARATUS FOR COLORING, PRINTING, AND DECORATING FLAT SURFACES, PARTICULARLY WOVEN TEXTILES
Joannès Issartel and Ernest Robert, Lyon, France, assignors to Robiess S. A., Basle, Switzerland, a body corporate of Switzerland
Application July 2, 1937, Serial No. 151,580
In Germany April 15, 1937
14 Claims. (Cl. 91—12)



1. Apparatus for applying designs in wet colors upon fabric or other surfaces, comprising a container for the flowable color having a bottom relatively slidable in direct contact upon the surface to be colored, said bottom formed with one or more constantly open color discharge outlets of narrow width, and with a feed chamber from which the outlet descends and arranged to receive color from the container, a valve to close off the feed chamber from receiving color, an interior wall forming a cylindrical reservoir within the container and mounted upright upon said bottom with a port in said wall admitting color to the reservoir and thence to the chamber, and means operable while the valve is open for closing said port and for creating suction in said reservoir to terminate color outflow through the chamber and outlet, without closing the valve.

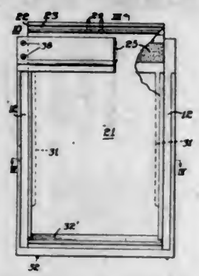
2,203,911
SANITARY CAN COVER
Thomas M. Krafty, Sandusky, Ohio
Application January 15, 1938, Serial No. 185,222
1 Claim. (Cl. 220—51)



A container for various sized cans, comprising a cylindrical body portion constructed of yield-

able material, an inwardly extended annular flange formed at one end of the body portion, said body portion being split throughout its length to permit the body portion to expand, the upper edge of the body portion being formed with a cut-out portion extending inwardly therefrom, a removable cover having an extension on the edge thereof and adapted to extend into the cut-out portion centering the cover on the body portion, and pins extending from the cover and adapted to pierce a can supported within the body portion.

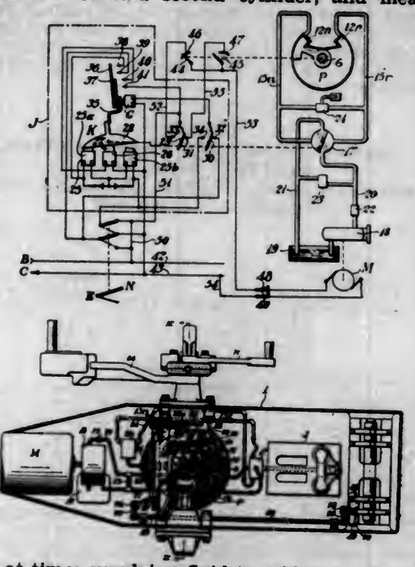
2,203,912
PHOTOGRAPHIC PLATE HOLDER
Samuel S. Levin, Fox Chapel Borough, Pa.
Application May 24, 1938, Serial No. 209,687
8 Claims. (Cl. 95—66)



1. A photographic film holder comprising a rectangular extruded aluminum frame and integral hinge provided with spaced grooves in their inner peripheries, a partition plate fixed in one of said grooves dividing the frame into two compartments, a dark slide in each of the other grooves projecting beyond said holder and normally closing each such compartment, each dark slide being slidable in and out of said holder and each having an enlarged head portion with a transverse groove therein on one side, means for normally preventing movement of said dark slides, means on said frame adjacent the dark slide grooves for holding cut film in position for exposure, means for light-sealing the said compartments and means for enabling film to be inserted in and removed from each compartment, said last means having slots to receive the ends of the dark slides for locking the same in closed position when said dark slides are engaged in said slots.

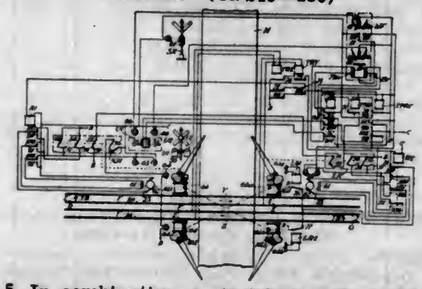
2,203,913
RAILWAY TRACK SWITCH OPERATING APPARATUS
John W. Logan, Jr., Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 24, 1938, Serial No. 231,520
8 Claims. (Cl. 246—258)

1. Railway track switch operating apparatus comprising a rotatable shaft adapted to be operatively connected with the switch, a fluid pressure motor having an arcuate shaped fluid chamber provided at one end with a first cylinder and at the other end with a second cylinder, a fluid operable piston arm operating within said chamber and affixed to said shaft for rotation therewith, said piston arm being provided at its outer end with a first piston head cooperating with said first cylinder and with a second piston head cooperating with said second cylinder, bypass ports disposed within said chamber for bypassing the fluid around said piston arm when said first or said second piston operates within said first or said second cylinder, and means



for at times supplying fluid to said motor for reversibly operating said piston.

2,203,914
HIGHWAY CROSSING PROTECTION APPARATUS
John W. Logan, Jr., Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 17, 1939, Serial No. 262,485
7 Claims. (Cl. 246—130)



5. In combination, a stretch of railway track intersected by a highway, a three-indication highway crossing signal and a highway crossing gate both located adjacent such intersection, a track relay responsive to traffic conditions in a given zone of said stretch adjacent the intersection, means controlled by said track relay for operating said crossing gate between an obstructing position and a non-obstructing position, means also controlled by said track relay for controlling said signal to display a clear or a caution indication according as said given zone is unoccupied or occupied, a time element device also controlled by said track relay, a control relay for controlling said signal to display its caution indication or its danger indication, and a circuit for said control relay controlled by said time element device and by said crossing gate whereby to control said signal to its danger indication

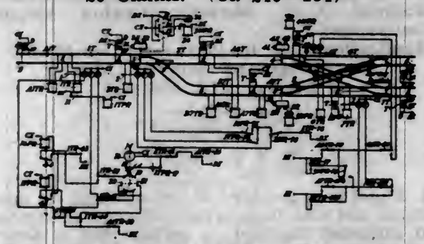
at the expiration of a preselected time interval of said time element device or at a predetermined point in the operation of said crossing gate.

2,203,915
ICE TRAY
George R. Long, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 26, 1937, Serial No. 127,927
Renewed November 7, 1939
4 Claims. (Cl. 62—108.5)



1. A freezing device for refrigerating systems comprising a metallic tray adapted to contain a substance to be congealed or frozen and having a substantially permanent water repellent wax coating over at least the surfaces thereof to be contacted by the substance, said coating including a mixture of carnauba wax and a substantially micro-crystalline mineral wax having a melting point of the order of 175° F. as distinguished from paraffin and capable of repeated cleansing in liquid at a temperature of from 140° to 170° F.

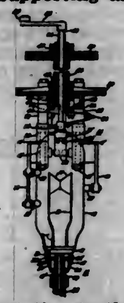
2,203,916
RAILWAY TRAFFIC CONTROLLING APPARATUS
Harold L. Ludwig, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 26, 1938, Serial No. 210,235
20 Claims. (Cl. 246—134)



1. In combination, a main railway route, an auxiliary railway route, a track switch having a first position for directing traffic movements over said main route and having a second position for directing traffic movements over said auxiliary route, manually operable means for effecting operation of said switch to said first position, and means responsive to the presence of a train on said main route on the trailing side of said switch for a measured period of time for effecting operation of said switch to said second position.

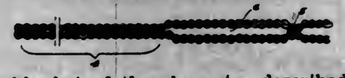
2,203,917
SEALING-IN MACHINE
Frank J. Malloy, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application April 13, 1938, Serial No. 201,795
10 Claims. (Cl. 49—2)

1. A sealing-in head for supporting a vitreous bulb in abutting relation with a vitreous cup having terminal posts extending therefrom and a shoulder at the bottom thereof located in definite relation to a filament carried by said cup comprising means for supporting said bulb in a definite position and a spindle having means thereon engaging the said shoulder and the terminal posts on said cup for supporting and positioning the



cup in a definite relation to the bulb, and means adjacent to said bulb-supporting means and movable relatively thereto for engaging the end of said bulb and urging it against the said cup.

2,203,918
ELECTRICALLY HEATED BLANKET
Ivar O. Moberg, Lowell, Mass., assignor to Nashua Manufacturing Company, Boston, Mass., a corporation of New Hampshire
Application March 7, 1939, Serial No. 260,250
12 Claims. (Cl. 219—46)



1. A blanket of the character described comprising a double blanket fabric including a main body section occupying the greater portion of the area of the blanket, the two plies of fabric in said section being interwoven at spaced intervals to provide a series of parallel ducts between the plies, said ducts being adapted to receive electric conductors, the blanket also including marginal portions in which the plies are separate from each other.

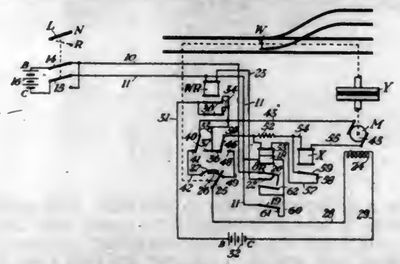
2,203,919
COMBINATION INSECTICIDE COMPOSITION
Donald F. Murphy, Bristol, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application July 25, 1935, Serial No. 33,061
9 Claims. (Cl. 167—22)

1. An insecticidal composition comprising an organic thiocyano compound and derris root.

2,203,920
MOTOR OVERLOAD PROTECTION SYSTEM
Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 15, 1938, Serial No. 240,527
17 Claims. (Cl. 172—239)

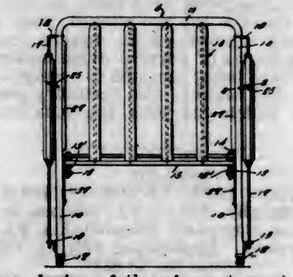
1. In a motor control system, in combination, an electric motor, a circuit for energizing said motor, an overload relay having a winding, means for energizing said winding in accordance with the value of the current in the motor circuit, said relay having an armature which is movable between a normal and an operated position, said armature normally assuming said normal position and being moved to the operated position when the current in the motor circuit exceeds one predetermined value for a predetermined time interval, means controlled by

said relay armature and operative on movement of said armature to its operated position to interrupt the circuit of the motor, an auxiliary relay having a winding, means for energizing the auxiliary relay winding in accordance with the value of the current in the motor circuit said auxiliary relay having an armature which is movable between a normal and an operated position, said auxiliary relay armature normally assuming



its normal position and being moved to the operated position when the current in the motor circuit exceeds a value substantially higher than said one predetermined value, and means controlled by said auxiliary relay armature and operative while said auxiliary relay armature is in the operated position to render the overload relay non-responsive to current flowing in the motor circuit.

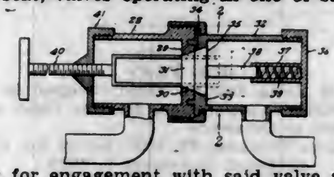
2,203,921
INFANT'S CRIB
Mike W. Padjen, Georgetown, Calif.
Application November 1, 1939, Serial No. 302,428
6 Claims. (Cl. 5—100)



1. In a device of the character set forth, end stands each including a pair of legs and a connecting member joining said legs at the upper ends thereof, a cross member paralleling the connecting member and yieldably mounted on the legs, padded panels removably mounted on the cross member and the connecting member, a spring construction supported by the end stands, and sides adjustably mounted on the end stands.

2,203,922
LINE COUPLING
John H. Paisley, Elmira, N. Y.
Application November 14, 1938, Serial No. 240,384
2 Claims. (Cl. 284—17)

1. A coupling of the character described comprising a pair of cylinders adapted to be arranged in tandem, coupling means for the cylinders at the meeting ends thereof, each of said cylinders being provided with a nipple for connection of the cylinders to a section of a hose or analogous line, one of said cylinders at the meeting end thereof being provided with an external valve seat and the other of said cylinders at the meeting end thereof being provided with an internal valve seat, valves operating in one of said cyl-

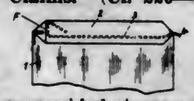


inders for engagement with said valve seats, a stem accessible exteriorly of the other cylinder for unseating the valves, and compressible means for normally seating said valves.

2,203,923
PREPARATION OF SALTS OF 2-KETO-ALDONIC ACIDS
Richard Pasternack, Brooklyn, N. Y., and Peter P. Regna, North Bergen, N. J., assignors to Charles Pfizer & Company, Brooklyn, N. Y., a corporation of New Jersey
No Drawing. Application August 5, 1939, Serial No. 288,571
7 Claims. (Cl. 260—535)

1. Process which comprises treating a soluble aldonate with a member of the group consisting of alkali metal and alkaline earth metal chlorates in the presence of a vanadium catalyst and in a mildly acid aqueous solution comprising essentially a lower aliphatic alcohol.

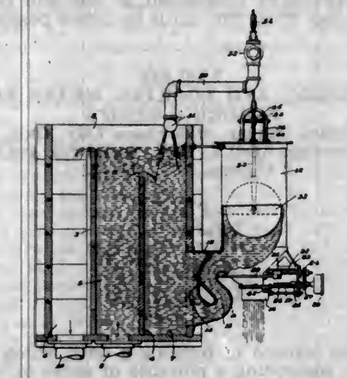
2,203,924
CLOSURE FOR PAPER BAGS
Willy Pletscher, Rothrist-Lehen, Canton Aargau, Switzerland, assignor to Papiersackfabrik Rothrist A.-G., Rothrist, Canton Aargau, Switzerland
Application June 16, 1937, Serial No. 148,575
In Switzerland June 30, 1936
3 Claims. (Cl. 220—66)



1. Paper bag, provided at one end with an inlet opening and with flaps arranged over one another and gummed together, a string with a freely exposed end piece adapted to be easily gripped by hand being interposed between the said flaps, the end of the string near the inlet opening of the bag being bent into loop form, a portion of the loop lying parallel and adjacent to the edge of the opening so as to strengthen the edges near the said inlet opening.

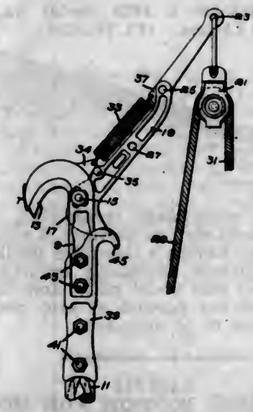
2,203,925
STOCK REGULATING APPARATUS FOR PAPER MACHINES
Ernest Poirier, Waterville, Maine
Application May 12, 1937, Serial No. 142,141
4 Claims. (Cl. 137—78)

3. In an apparatus of the character described, the combination of a head box equipped with weirs dividing it into a stock supply compartment, an overflow compartment, and a stock mixing compartment, a container having an inlet leading from said mixing compartment and also having an outlet for the discharge of stock from said container, a gate controlling the discharge of stock through said outlet, said inlet being constructed to offer a substantial degree of resistance to the flow of stock into the container whereby the head of stock in said container will vary with changes in the consistency of the stock, means for delivering diluting water into



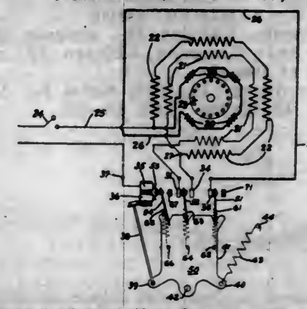
said mixing compartment, a float in said container, and connections under the control of said float for causing changes in its level to adjust the volume of diluting water so delivered.

2,203,926
POLE PRUNER AND LIKE TOOLS
Henry W. Porter, Brookline, and Francis T. Lind, Everett, Mass., assignors to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application April 9, 1937, Serial No. 135,960
4 Claims. (Cl. 30—249)



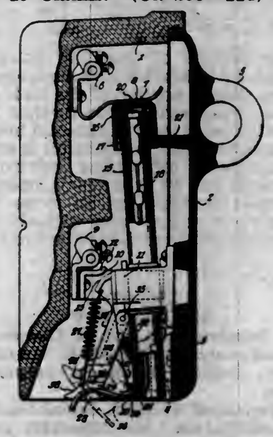
1. A tool of the class described comprising a lever of general J form mounted on a handle to present the throat of the J as a downwardly opening, work-engaging portion, a cooperating lever pivoted adjacent the upper end of the stem of the J and having an edged portion shaped to effect in cooperation with said work-engaging portion a cut propagated progressively from the throat of the J toward the extremity of the short arm thereof, said edged portion projecting outwardly beyond the back of the J in open position of the parts, the tool embodying a downwardly facing grapple at the back of the J positioned to mask the end of said edged portion in said open position.

2,203,927
ELECTRIC MOTOR
Paul H. Rutherford, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 17, 1939, Serial No. 256,834
8 Claims. (Cl. 172—279)



1. In a device of the character described, the combination with an electric motor having a starting winding and primary and supplementary running windings all of said windings cooperating during the starting of the motor; means adapted to render only the starting winding ineffective after the motor has been properly started and is running at normal load requirements; and means adapted to render only the supplementary running winding ineffective while maintaining the primary running winding effective when the motor is subjected to a load predeterminately in excess of the normal load.

2,203,928
FUSE CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application August 12, 1937, Serial No. 158,654
19 Claims. (Cl. 200—114)



1. A fuse construction comprising a stationary support having stationary contacts, a fuse tube slidably supported from said stationary support and having an open end, a fuse link within said fuse tube projecting from said open end and normally electrically connecting said stationary contacts, and means controlled by said fuse link and located adjacent the open end of said fuse tube for normally holding said fuse tube against

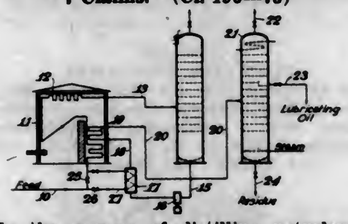
sliding motion and for extracting said fuse link when said fuse link is ruptured, said means having a portion for drawing said fuse link outwardly substantially in line with said fuse tube.

2,203,929
ATHLETIC SHOE
Isadore Shapiro, Chicago, Ill., assignor to The Athletic Shoe Company, Chicago, Ill., a corporation of Illinois
Application August 18, 1937, Serial No. 159,619
12 Claims. (Cl. 36—59)



1. In a shoe, a cleat, and means securing the cleat to the shoe comprising a flexible steel plate overlying the cleat to prevent upward movement thereof and means separate from said cleat and plate clamping together the cleat and plate.

2,203,930
PETROLEUM DISTILLATION
Frank J. Smith, Louisville, Ky., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application October 15, 1937, Serial No. 169,129
7 Claims. (Cl. 196—73)



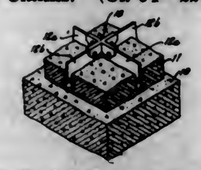
1. In the process of distilling petroleum oils wherein the oil is heated in a restricted stream in a heating zone, a portion of the oil is evaporated and the unvaporized oil is further heated in another restricted stream in the said heating zone and then another portion of the oil is evaporated, the improvement comprising controlling the temperature of the oil from each stream by exchanging heat between the oil to be heated in one of said restricted streams with the oil introduced into said other restricted stream.

2,203,931
SLIDING TOP
Harry D. Solomon and Frank Humer, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 11, 1938, Serial No. 201,260
2 Claims. (Cl. 296—137)



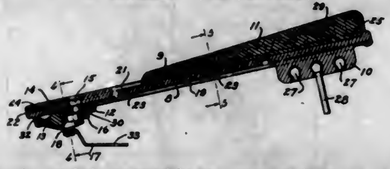
1. In a vehicle body having a roof with an opening therein, a sliding top shiftable to expose or to close the opening, a strip of rubber secured to the sliding top, a sealing member secured to the sliding top and spaced from the first strip, and separate means on the roof engageable by the rubber strip and the sealing member to form a weather-tight connection at one end of the sliding top when the top is in closed position.

2,203,932
ALIGNING AND LOCKING MEANS FOR FLOORING STRIPS
James Taylor, Oklahoma City, Okla.
Application April 4, 1938, Serial No. 199,823
2 Claims. (Cl. 94—22)



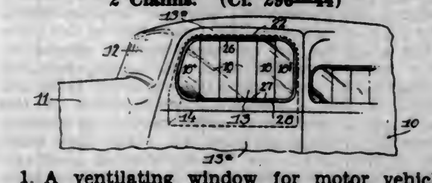
1. The method of forming a floor which consists in, embedding a plurality of strips in intersecting relation in a floor, placing a grooved reinforcing and aligning member over each intersection, introducing flooring material between the strips and locating the upper surface thereof in a plane with the upper longitudinal edges of the strips, and then grinding the top off of the reinforcing members to expose the remainder of said member at each intersection.

2,203,933
ACCELERATOR PEDAL
Joel R. Thorp, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application October 2, 1939, Serial No. 297,526
11 Claims. (Cl. 74—513)



1. A pedal assemblage comprising, a pedal plate having heel and toe portions, a rigid dished mounting plate having a separable flexible socketed insert therein adjustably secured to the heel portion of said pedal plate, and means for connecting the toe portion of said pedal plate to a mechanism to be actuated.

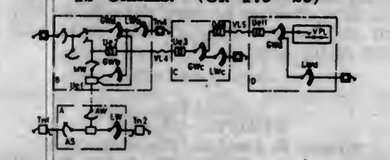
2,203,934
VENTILATING WINDOW FOR MOTOR VEHICLES
Edwin B. Wiles, Chicago, Ill.
Application October 15, 1938, Serial No. 235,114
2 Claims. (Cl. 296—44)



1. A ventilating window for motor vehicles comprising in combination with a body member provided with a window opening having a well

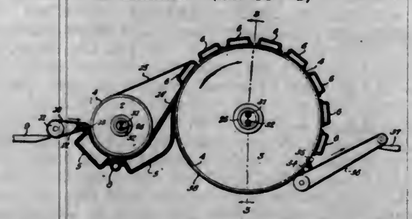
below said window opening, a frame vertically movable in said window opening and in said well, a pane secured in said frame including a plurality of vertically extending adjacent sections, each section being provided with top and bottom hinge pins in line with its front edge, means providing bearings at the top and bottom of said frame for said hinge pins, the bottom bearings consisting of a housing plate fixed to the bottom rail of said frame and provided with spaced bearing apertures, each section having a pin spaced rearwardly from an associated hinge pin, a plate movable on said housing plate and provided with slots, one for each pane section, each slot having a branch extending parallel to said pane and a branch inclining outwardly away from said pane, said second named pin and the associated hinge pin depending through said first named branch when said pane sections are in closed relation, said housing plate being provided with arcuate grooves to guide the bottom ends of said second named pins, said slots being adapted to swing said second named pins outwardly or inwardly by the movement of said slotted plate in one direction or the other.

2,203,935
TELEPHONE SYSTEM
Eduard Wochinger, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt near Berlin, Germany
Application October 27, 1937, Serial No. 171,203
In Germany November 6, 1936
12 Claims. (Cl. 179—26)



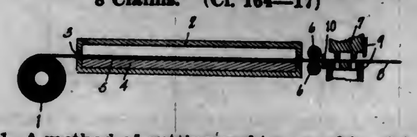
1. Signalling apparatus for use in a telephone system comprising, a line, a relay normally connected to said line and responsive to signalling in one direction thereover, a relay normally disconnected from said line, and means responsive to signalling in the opposite direction over said line for causing said first relay to be disconnected from said line and said second relay to be connected to said line to respond to signalling in said one direction thereover, said first relay effective when connected to said line and actuated thereover to render said last means ineffective.

2,203,936
IRONING MACHINE
Ward G. Zigler, Chicago, Ill.
Application July 23, 1937, Serial No. 155,150
8 Claims. (Cl. 38—4)



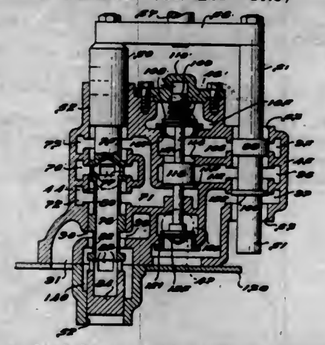
1. A two-roll ironing machine, comprising a pair of power driven padded rolls arranged with one roll in advance of the other roll and having the rear roll considerably larger in diameter than the front roll, steam chests for said rolls and bearing against the padded surfaces thereof, the chests for the front roll being arranged beneath said roll and the chests for the rear roll being arranged above said roll, a fabric support and guide extending from the last chest beneath the front roll to adjacent the first chest above the rear roll, and a tape conveyor extending along said support for moving the materials from the front roll to the rear roll, said tape conveyor having its loop at one end engaged about the front roll for being driven thereby and its loop at its other end engaged about the first chest of the rear roll, and a stripper for the ironed fabrics at the rear roll.

2,203,937
METHOD OF PUNCHING OR CUTTING IMPREGNATED FABRICS
Albert C. Barley, Jr., Portland, Mich., assignor to Barco Corporation, Detroit, Mich.
Application May 18, 1938, Serial No. 208,514
8 Claims. (Cl. 164—17)



1. A method of cutting and/or punching fabric material, comprising impregnating the material with a suitable congealable material, feeding a web of the material, subjecting the web to a congealing action while being fed, and performing the cutting and/or punching operation thereon while the impregnated web is in congealed condition but not subject to the stiffening action.

2,203,938
FLUID CONTROL SYSTEM
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., a corporation of Michigan
Application August 24, 1936, Serial No. 97,489
3 Claims. (Cl. 121—46.5)



1. In a dual bore, fluid pressure piston valve, a housing having dual bores connected by a cross-over passage, a receiver piston valve in one of the bores constructed to normally receive and release fluid when in one position and to receive and direct the fluid to the cross-over passage when in another position to build up fluid pressure therein, a distributor piston valve in the other of the bores, means providing distributing passages in the housing, means for moving said valves in unison, said distributor piston

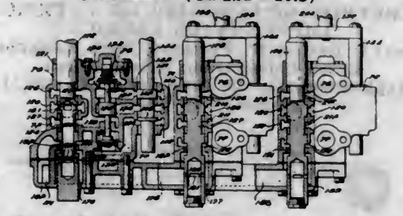
valve being constructed to selectively direct fluid to and exhaust fluid from the distributing passages, a spring loaded plunger element movably disposed within said cross-over passage and movable in response to said build-up of fluid pressure therein to allow fluid to flow to said other of the bores, and a tappet valve in one of said distributing passages and connected to said plunger for movement therewith to control flow of fluid through said one of the distributing passages.

2,203,939

FLUID CONTROL SYSTEM

Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., a corporation of Michigan

Application August 24, 1936, Serial No. 97,490
3 Claims. (Cl. 121—46.5)



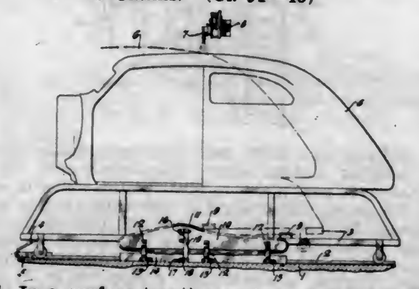
1. In a fluid distribution system, a housing having a side wall structure, a plurality of valves interiorly of said housing and mounted adjacent said side wall structure, said valves being mounted in side-by-side spaced relation, each of said valves having an inlet port and a pair of feed ports adjacent said side wall structure, a manifold common to all of said valves mounted exteriorly of said side wall structure, said side wall structure having apertures therein serving to establish communication between said valve ports and said manifold, said manifold having a chamber in communication with all of the inlet ports of said valves and a port in communication with each of said outlet ports of said valves, and securing means extending through said side wall structure serving to lock said manifold and said valves in sealed relation with respect to said side wall structure and to each other whereby to mount said valves and manifold with respect to said housing.

2,203,940

SPRAYING MACHINE

Tracy F. Brackett, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 11, 1938, Serial No. 201,233
9 Claims. (Cl. 91—45)



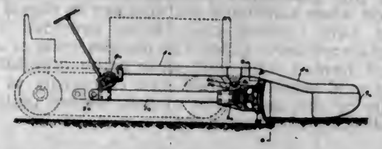
1. In a surface treating system of the character described, a traveling conveyor for work whose surface to be treated slopes in the direction of conveyor travel, a surface treating appliance positioned in given relation to one portion of the slope and means to maintain a substantially uniform relation between the appliance and the work surface throughout the length of the slope including work shifting mechanism constructed and arranged to shift the work in relation to the appliance in compensation for said slope.

2,203,941

BULLDOZER MOUNTING

Ernest J. Brunner, Eugene, Oreg.; Marie C. Brunner administratrix of said Ernest J. Brunner, deceased

Application July 22, 1938, Serial No. 220,680
4 Claims. (Cl. 37—144)



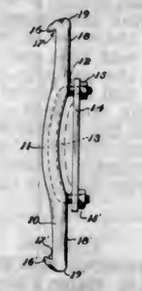
2. In a bulldozer blade mounting of the character described, a blade member and shear leg beams operatively attached to each end thereof to support the said blade, the said shear leg beam including two beam members pivotally joined intermediate their ends, a blade support on the end of one beam, a shoe on the corresponding end of the other beam and means mounted between the two beams near their opposite ends effective to vary the relationship between the cutting edge of the blade and the bottom of the shoe.

2,203,942

BUMPER GUARD

Ernest E. Condon, Flushing, N. Y.

Application January 22, 1938, Serial No. 186,356
1 Claim. (Cl. 293—55)



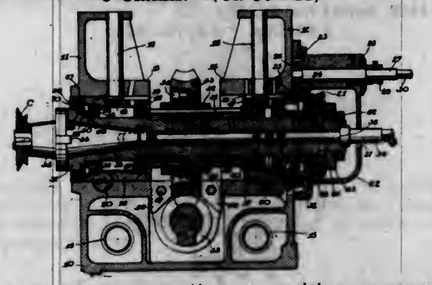
A bumper guard for vehicle bumpers, including a substantially vertical body having adjacent to its extremities, short outwardly extending lips forming hooks adapted to engage other bumpers with which it may come in contact, the engaging surfaces of said lips being continuous with said lips and forming adjacent thereto an angle greater than 70° with the surface of said body, and the depth of said lips from the outer ends thereof to the surface of said body being of a dimension approaching the average thickness of said other bumpers, whereby the latter engaging said guard within the limits bounded by said lips are prevented from riding over the ends of said guard, and readily become separated when the guard and the bumper with which it is engaged are urged apart in opposite directions.

2,203,943

MACHINE TOOL SPINDLE MOUNTING

Frank M. Davis, Milwaukee, Wis., assignor to Davis and Thompson Company, West Allis, Wis., a corporation of Wisconsin

Application November 6, 1937, Serial No. 173,136
6 Claims. (Cl. 90—11)



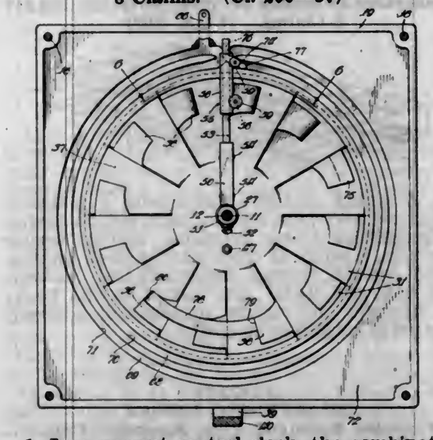
4. A spindle mounting, comprising an apertured support, aligned front and rear sleeves slidably carried therein, a spindle extending within said sleeves and having a tool-engaging front end portion and an intermediate drive portion between said sleeves, said spindle being rotatably carried by said sleeves and having a connection with both of said sleeves for axial movement therewith as a unit, and means at the rear of said support having an actuating connection with said rear sleeve to effect axial adjustment of the unit comprising said spindle and said sleeves.

2,203,944

CURRENT CONTROL CLOCK

Jerome De Haes, Chicago, Ill.

Application October 9, 1937, Serial No. 168,125
8 Claims. (Cl. 200—37)



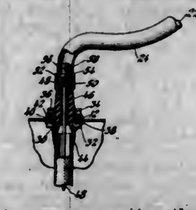
1. In a current control clock, the combination of time mechanism, a switch, and means controlled by the time mechanism for alternately continuing and discontinuing a current through said switch, wherein means are provided for varying the time of on and off positions of the switch, and wherein said last-mentioned means includes a radially slit insulating disk and a radially slit metallic conductor disk, said disks being adapted to be intercalated with the radial sectors of the conductor disk passing between and partially overlapping the radial sectors of the insulating disk, wherein one member of the switch is carried by the hour hand of the time mechanism and rides over said insulating and conductor sectors alternately, wherein means are provided for varying the degree of overlap, wherein the other member of the switch is also carried by said hour hand and comprises a finger in constant engagement with a metallic plate, said finger also riding in a track by the clock, and wherein both of said switch members are carried on a radially movable portion of said hour hand and said track is adapted to move said radially movable portion to vary the radial position of the first-mentioned switch member and wherein the degree of said overlap is varied radially to register with said radial variation of said first-mentioned switch member.

2,203,945

RADIO ANTENNA

William C. De Roo and Bertram A. Schwarz, Kokomo, Ind., and Jules Agramonte, Birmingham, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 20, 1937, Serial No. 169,928
4 Claims. (Cl. 250—33)



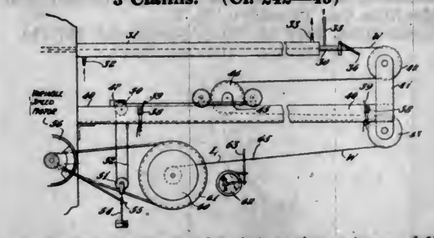
1. In an antenna connection through an opening in a metal plate, an outer cylindrical sleeve secured in the opening, an insulating bushing supported within the sleeve, a hollow metal tube supported within the bushing and having one end extending therefrom and enlarged and exteriorly threaded for connection to other apparatus and a hollow flexible tube connected to the outer cylinder at the opposite end from the threaded connection.

2,203,946

HEAT-TREATING WIRE

Joe E. Doescher, Attleboro, Mass., assignor to D. E. Makepeace Company, Attleboro, Mass., a corporation of Massachusetts

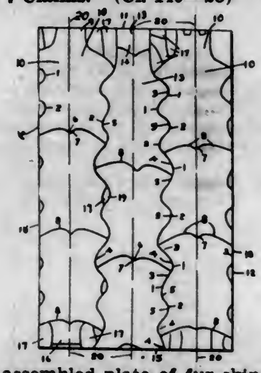
Application July 6, 1939, Serial No. 283,041
3 Claims. (Cl. 242—45)



1. In apparatus for heat-treating wire and like strand material, control means for maintaining the wire under substantially uniform tension, comprising guiding means for the wire as it emerges from the heat-treating zone, a spooler on which the heat-treated wire is wound, variable speed driving means for said spooler, a carriage interposed between the guiding means and spooler and having means for engaging the wire and exerting a predetermined tension thereon, said carriage being movable back and forth along

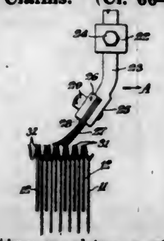
a fixed path so as to vary the length of wire traveling from said guiding means to said spooler, and speed control means operatively associated with said driving means and actuated by said carriage so as to effect a change of speed of said spooler in accordance with the position of said carriage.

2,203,947
FUR TRIMMING PLATE AND COMPOSITE FUR
Edward Dulchin, New York, N. Y.
Application December 14, 1937, Serial No. 179,722
7 Claims. (Cl. 149—28)



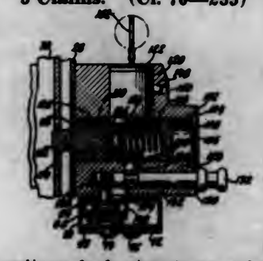
2. In an assembled plate of fur skins, rows of skins in longitudinal alignment having a scalloped border line separating the skins of one row from the skins in the row adjoining, said skins in one row staggered and joining the skins of another row along said scalloped border line, the projecting parts of each row engaging the receding parts of the adjacent rows, said plate of skins having one set of alternate rows in which the skins nearest a border line have necks forming parts of said border line and a second set of alternate rows in which the skins nearest said border line have neck pieces, trimmed from skins not near said border line, pieced in on their necks to form other parts of said border line.

2,203,948
KNITTING MACHINE
Clyde Dupuis, Freehold, N. J., assignor to Samuel Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y.
Application July 29, 1939, Serial No. 287,194
8 Claims. (Cl. 66—93)



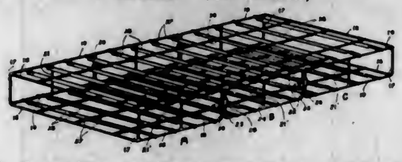
2. In a knitting machine, a plurality of sinkers adapted to operatively receive thereupon loops of yarn, a resilient and bendable loop splitting member adapted for frictional engagement with the loop-carrying portions of the sinkers during the operation of the machine, and holding means for maintaining the said member in pressing engagement with the sinkers.

2,203,949
STEERING COLUMN LOCK
William C. Edwards, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application May 31, 1935, Serial No. 24,246. Divided and this application July 29, 1938, Serial No. 221,953
5 Claims. (Cl. 70—255)



1. In a unitary lock structure, a body, a pair of parallel bores into the body, means axially slidable in each bore to accomplish locking and switching functions, and interlocking means between the slidable means whereby it will be necessary to actuate the two in a given sequence of operation, said interlocking means comprising a detent supported in the body between the two slidable means and indentures in each of these slidable means into which the detent may move to allow the remaining member to be moved thus interlocking the two slidable means so that they must be moved in a given sequence.

2,203,950
SECTIONAL SPRING MATTRESS
Jennie Eichthaler, Broadwater, Nebr.
Application December 20, 1938, Serial No. 246,817
2 Claims. (Cl. 5—202)

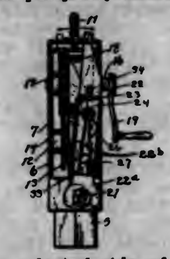


1. A spring mattress comprising a plurality of narrow transverse sections each section having a rectangular frame including upright corner members, a series of cross slats in each section, coiled tension springs interconnected between said slats and frame, and clamps having hooks for clamping the upright members of adjacent sections to constitute an entity.

2,203,951
SHARPENING DEVICE
Clarence Raymond Ellis, Sausalito, Calif.
Application April 29, 1939, Serial No. 270,857
2 Claims. (Cl. 51—80)

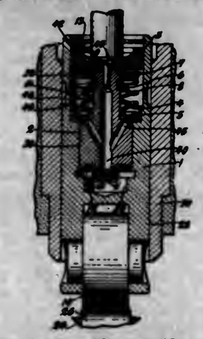
1. In a sharpening device, a housing open at one side, a pair of adjacent grinding wheels mounted in said housing with their axes parallel to each other and equidistant from the open side thereof a tool carrier including a flat base portion having an opening therein and a pair of parallel side plates, said side plates having oppositely disposed slots extending outwardly from the centers of the plates, a tool holder having parallel sides and a square periphery and slidably and rotatably fitted between said side plates to have its peripheral sides selectively engageable

against the carrier base portion, said holder being provided with tool positioning means for each side of the holder periphery alining with the base



opening upon a selected side of the tool holder engaging said base portion, and pivot pins fixed in said tool holder at the center of its sides and engaging in said slots.

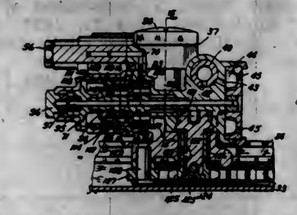
2,203,952
HYDRAULIC LASH ADJUSTER
Jesse E. Eshbaugh, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 30, 1939, Serial No. 253,582
3 Claims. (Cl. 123—90)



1. In a valve lash adjuster the combination of a cylinder, a piston in the cylinder, means yieldingly urging the piston out of the cylinder, a passage leading from the portion of the cylinder on one side of the piston to the portion of the cylinder on the other side of the piston, a valve in said passage preventing the escape of oil from the bottom of the cylinder when pressure is applied thereto, a flexible diaphragm connected to the piston at a point above said passage and to the cylinder, a body of oil sealed within the cylinder by the diaphragm, a body of oil in the cylinder surrounding the diaphragm, and means for confining the last-named body of oil in said cylinder so as to prevent surging thereof while permitting a slight amount of leakage so that entrained air may escape.

2,203,953
FEEDING MECHANISM FOR ROCK DRILLS
Albert Feucht, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application March 17, 1938, Serial No. 196,438
5 Claims. (Cl. 121—9)

1. The combination with a drilling motor, of feeding means for said motor comprising a housing, a fluid actuated rack reciprocable within said housing, an oscillatory member actuated by said rack, means deriving motion from the oscillatory movement of said member for transmitting a step by step feeding motion to said motor including a tooth ring, pawls carried by said member operatively engageable with one or the



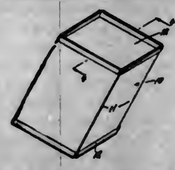
other side of the teeth of said ring for transmitting rotary motion thereto in one or the other direction, and fluid actuated means for selectively controlling the operative engagement of said pawls with the teeth of said ring.

2,203,954
ROCK DRILL
Albert Feucht, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application October 21, 1938, Serial No. 236,221
7 Claims. (Cl. 121—9)



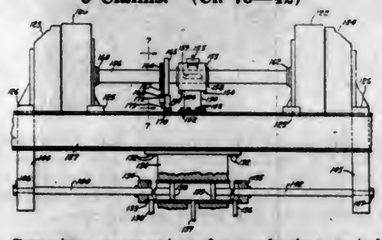
7. The combination with a support having a drill slidable thereon, of a feeding mechanism for the drill including a feed motor secured to the drill for slidable movement relative to the support, a motor control carried by said motor, a movable handle carried by the support, and means for transmitting movement from said handle to said control.

2,203,955
METHOD AND MEANS FOR APPLYING AND ATTACHING METALLIC END CLOSURES TO CARTONS
Joseph M. Frederick, Baltimore, Md., assignor of one-half to Jacob L. Rosenfield, Baltimore, Md.
Application June 2, 1938, Serial No. 211,472
17 Claims. (Cl. 153—1)



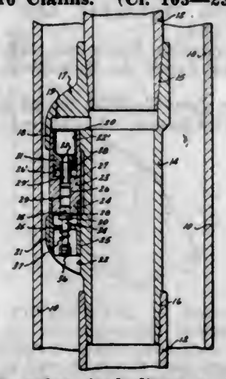
1. The method of attaching an end closure having a channel formation at its sides to an open end of a carton, which consists in placing the end closure over the open end of the carton, forcing the end closure into the open end of the carton so that the marginal end portions of said carton will enter the channel formations, and thereafter simultaneously applying a plurality of individual independent clamping actions around the entire extent of said channel formation, in substantial normal relation thereto.

2,203,956
APPARATUS FOR REDUCING TUBULAR BLANKS
Joseph H. Gettig and George Spatta, Buchanan, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Original application May 22, 1937, Serial No. 144,181. Divided and this application January 29, 1938, Serial No. 187,581
3 Claims. (Cl. 78—42)



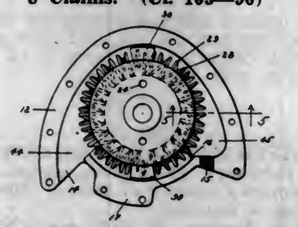
3. Swaging apparatus for reducing a tubular blank comprising a plurality of swaging dies arranged to define a cylindrical opening and mounted for reciprocatory movement toward and away from the center of said openings, spring means normally holding said dies in outer limiting position, a manifold adapted to contain fluid under pressure surrounding said dies, plunger means in unvalved communication with the fluid in said manifold and connected to said dies, means for producing high frequency pulsations in said manifold sufficient to move said plungers against the pressure of said spring means for forcing said dies against the lateral surface of said blank whereby said dies are reciprocated at high frequency to reduce the diameter of said blank, and means responsive to pressure pulsations in said manifold for partially rotating said blank between successive engagements of said dies with said blank.

2,203,957
FLOW VALVE
Hans C. Glitsch and Charles S. Crickmer, Dallas, Tex., assignors to Merla Tool Company, Dallas, Tex., a firm of Texas
Application April 26, 1937, Serial No. 138,920
16 Claims. (Cl. 103—232)



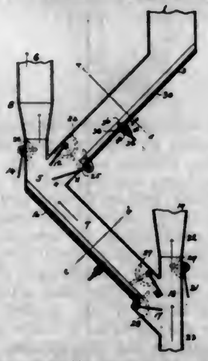
1. A flow valve including, a tubular body adapted to be connected in a tubing string and having a passage for establishing communication between the interior and exterior of the tubing, a member movable within the passage and having one end exposed to the pressure in the interior of the tubing and its opposite end exposed to the pressure exterior of the tubing, said ends being of different cross-sectional areas, whereby said member is moved by a predetermined differential in such pressures to control the flow through the passage, and resilient means for urging the member to its open position and arranged to add its pressure to the pressure within the tubing and acting therewith against the exterior pressure.

2,203,958
CENTRIFUGAL PUMP
Eli M. Greenlee, Newport, Ky., and Joseph S. Knittel, Hartwell, Ohio
Application May 15, 1939, Serial No. 273,704
8 Claims. (Cl. 103—96)



1. A centrifugal pump comprising a casing provided with an inlet and an outlet port, an impeller in the casing and comprising a body member, a helical spring positioned on the body member and forming impelling means thereon, and means for driving the impeller.

2,203,959
PNEUMATIC SEPARATOR
George W. Hammack, Richmond, Va.
Application January 19, 1938, Serial No. 185,637
9 Claims. (Cl. 209—133)



9. In a pneumatic separator the combination of an inclined material chute with a flexible bottom plate secured to the chute along its edges and free in its central regions; and means outside the chute and connected with the flexible bottom by which the height of the center portion of the bottom plate may be adjusted.

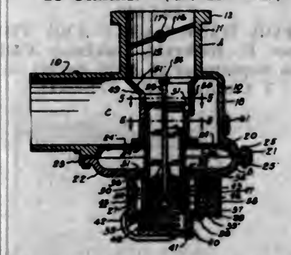
2,203,960
ASH RECEPTACLE
John G. Hickman, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 11, 1938, Serial No. 201,240
2 Claims. (Cl. 131—235)

1. In an ash receptacle for an automotive vehicle, a cover swingably connected to the receptacle, a snuffer on the inside of the cover, said snuffer having a slot in its bottom to enable the insertion and snuffing of a cigarette, said snuffer



opening in a downward direction to discharge the ashes therefrom when the cover is in closed position, and being in an upwardly directed position when the cover is open.

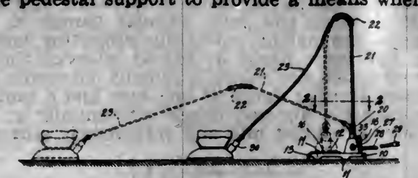
2,203,961
GAS MIXER
Sam P. Jones, Dallas, Tex.
Application August 23, 1937, Serial No. 160,405
13 Claims. (Cl. 48—180)



1. A gas mixer for an internal combustion engine having an intake manifold including, a housing adapted to be connected to said intake manifold of the engine and having a gas inlet and an air inlet, the housing also having a gas passage leading from the gas inlet and having a port establishing communication between the passage and the manifold, said housing also having a fuel opening which communicates with the manifold, pressure responsive means within the housing exposed to the engine suction and actuated thereby, movable means within the housing secured to the pressure responsive means movable with relation to the air outlet for controlling the admission of air to the manifold and also for co-acting with the port leading from the gas passage for controlling the gas flowing from the passage to said manifold, whereby the gas and air flowing to the manifold is proportioned by said means, a valve seat within the gas passage between the gas inlet and the port which establishes communication between the passage and manifold, a valve adapted to engage the seat and having a flexible seating surface whereby a positive gas cut off is had when said valve is seated, and means for connecting said valve to the movable means so that said valve is operated thereby.

2,203,962
IRON STAND
Ollo O. Lamb, St. Louis, Mo.
Application May 27, 1937, Serial No. 144,983
2 Claims. (Cl. 38—142)

2. An iron stand having a portable base including a portion to receive an iron, a pedestal for supporting an iron cord for movement in operation over the base, means supporting the pedestal adjacent a lateral edge of the iron receiving portion, the said portion being spaced laterally from the pedestal support to provide a means where-



by the latter may be stabilized by the former when the said portion is substantially interposed between the pedestal support and the work being ironed.

2,203,963
DEVELOPING DEVICE
Kurt Lange, Berlin, Germany
Application September 15, 1938, Serial No. 230,137
In Germany October 30, 1937
7 Claims. (Cl. 95—90.5)



1. In a developing apparatus for developing photographic strips in daylight, comprising a magazine for receiving the wound up strip before development, a developing chamber, a detachable connection between the chamber and the magazine for transferring said photographic strip together with a spacer strip into said developing chamber without the admission of light, and means for preventing the developing substance from entering into said magazine after the strip has been transferred.

2,203,964
VACUUM CLEANER
Gustaf Einar Lofgren, Riverside, and Charles L. Brown, Jr., Stamford, Conn., assignors to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application May 12, 1938, Serial No. 207,532
6 Claims. (Cl. 220—73)

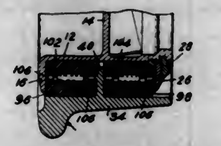


1. In a vacuum cleaner, a substantially cylindrical casing open at each end, two reinforcing rings extending around the exterior of said casing at each end, means for securing said rings to said casing located on opposite sides of said casing, and a plate detachably secured to each side of said casing for covering the securing means for both of said rings.

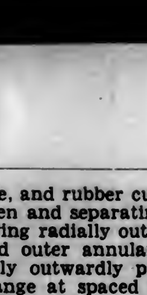
2,203,965
WHEEL STRUCTURE
Sulo M. Nampa, Detroit, Mich., assignor, by mesne assignments, to Transportation Systems, Inc., Oklahoma City, Okla., a corporation of Oklahoma
Application June 24, 1936, Serial No. 86,926
7 Claims. (Cl. 295—11)

1. In a wheel construction adapted to run on

rails, a rim, a tire, and rubber cushioning means interposed between and separating said rim and tire, said rim having radially outwardly directed, axially inner and outer annular flanges at its edges, and axially outwardly projecting bosses on said inner flange at spaced intervals thereabout, said tire having a radially outwardly directed annular flange at one edge and a radially inwardly directed flange substantially at its center extending into and transversely separating said means, said last named flange having bosses spaced on one side therearound extending toward and substantially in alignment with said first-named bosses, said rubber means having elongated tubular members transversely embedded therein engaging said bosses, said tubular members being more rigid than said rubber means, the construction and arrangement being such that transverse movement of said tire is substantially eliminated.



2,203,966
SCRAPING DEVICE
Herbert C. Otis, Dallas, Tex.
Application May 16, 1938, Serial No. 208,323
11 Claims. (Cl. 166—18)



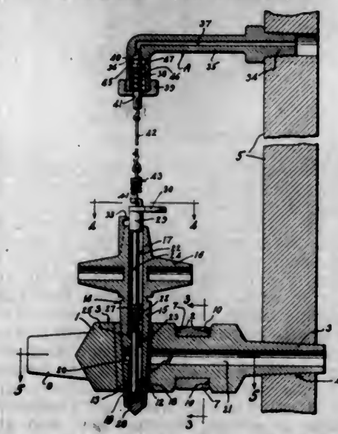
1. A scraper including, a support, and circumferential scraping means independently and loosely mounted on the support arranged to be freely expanded and retracted to vary the outer diameter thereof without breaking the circumferential continuity, said scraping means providing continuous circumferential cutting edges.

2,203,967
ROTARY TOOL CHUCK
Jan Pierik, Indianapolis, Ind.
Application November 29, 1937, Serial No. 176,977
5 Claims. (Cl. 32—26)

1. A tool holder comprising, a main tubular body, a shaft journalled therein with a tool-receiving chuck at one end and a power-receiving portion at the other end, a compressor threaded on the shaft to engage the chuck, a shell threaded on the main body and encompassing the chuck and compressor, and a key carried by said shell and accessible from the exterior thereof and movable into and out of non-rotative interlock with the compressor, and a locking pin carried by the main body movable into and out of non-rotative interlock with the shaft and engageable by the shell to be moved out of said interlock by axial movement of the shell on the main body.



2,203,968
SPIGOT FOR WINE CASKS AND THE LIKE
James R. Ricketts, Oakland, Calif.
Application September 28, 1936, Serial No. 102,869
3 Claims. (Cl. 277—64)



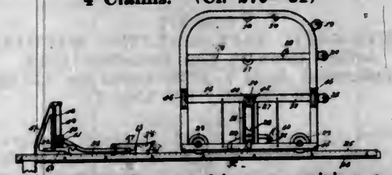
1. A spigot for casks and the like comprising: a body having a longitudinal passage therein and a relatively right angular bore, a frictional bushing therein formed with a longitudinal slit, means fixed in the body and extending into said bore and said slit for preventing the rotation of said bushing, a spout rotatable in said bushing and having an outlet for selective registration with said passage, and a manually operable valve carried on the end of said spout for normally closing said outlet and operable for opening the outlet at will.

2,203,969
CONSTRUCTION AND METHOD OF ANCHORING SHOE CLEATS
John T. Riddell, Chicago, Ill.
Application August 14, 1939, Serial No. 290,113
8 Claims. (Cl. 12—142)

1. The method of anchoring a cleat to the sole of a shoe which consists in fixing an internally threaded socket member in the shoe sole, providing a cleat of pliable resilient material having an end bearing surface and a threaded stud fixed therein and projecting therefrom, screwing said stud into said socket until said end-bearing surface substantially engages said sole or socket member and then further screwing said stud into said socket member to compress the pliable cleat material at said end-bearing surface and locking the stud threads by the engagement of limit stop-bearings on said socket member and stud.

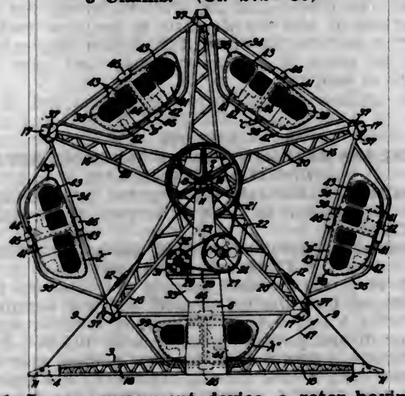


2,203,970
CLOTH LAYING MACHINE
Charles C. Schneider, St. Louis, Mo.
Application June 30, 1938, Serial No. 216,779
4 Claims. (Cl. 270—31)



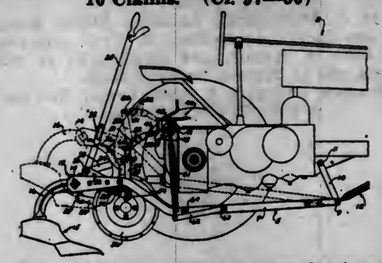
1. A cloth laying machine comprising a carriage by which bolts or rolls of cloth are piled and spread on a table, said carriage having two side frames, a pair of elevating slides positioned centrally in said frames, slide heads positioned between said elevating slides, a chain mechanism for raising and lowering said slide heads, spreader arms swingingly mounted to said slide heads, cloth spreading plates carried by said spreader arms and by which the cloth is spread upon the table, in combination with a cloth catching means located on each end of the table for catching and gripping the cloth so laid, and a means carried by the carriage for elevating the catchers to permit the cloth to be passed thereunder.

2,203,971
AMUSEMENT DEVICE
Solomon W. Shepherd, Oakland, Calif.
Application February 11, 1939, Serial No. 255,907
3 Claims. (Cl. 272—36)



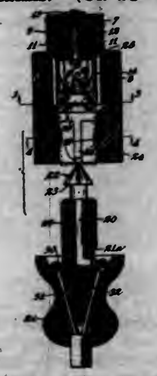
1. In an amusement device, a rotor having a plurality of spaced radially extending arms and mounted for movement in a vertical plane, frames each having a bar extending between and journaled at the ends of adjacent rotor arms, said frames being rotatable about the axis of said journaled bars thereof, a pivot shaft rotatably mounted on each of said frames and disposed perpendicularly with respect to the axis of said journaled frame bar, and a passenger-carrying device immovably fixed to and rotatable with each pivot shaft.

2,203,972
LISTER
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application July 28, 1938, Serial No. 221,752
10 Claims. (Cl. 97—50)



1. In combination with a tractor having power lift mechanism including an actuating rock shaft, an implement having a ground working tool, draft means connecting said implement to said tractor for vertical movement, gauge means for regulating the working depth of said tool, an arm carried on said rock shaft and adapted to swing upwardly with rotation thereof, said arm being unrestricted against upward swinging during ground working operation, link means connected with said implement and disposed substantially perpendicular to said arm wher the latter is raised, and means for connecting said link means with said arm at a plurality of points spaced along said arm.

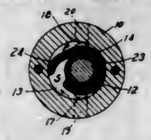
2,203,973
ELECTRICAL CONNECTOR
Walter H. Walls, Darwin, Minn.
Application February 23, 1939, Serial No. 257,850
4 Claims. (Cl. 24—221)



1. In a connector structure, a plurality of laterally yieldable prongs having their side faces

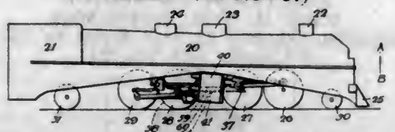
in normally abutting relationship and arranged about an open central area, the inner faces of said prongs defining concave pockets, the outer ends of said prongs providing shoulders at the ends of said pockets, the inner faces of said shoulders lying substantially at right-angles to the longitudinal axis of the prong assembly and the upper faces of said shoulders being inclined downwardly and inwardly toward said axis, a shank insertable in the open central area of said prong assembly and a plurality of cam elements at the end of said shank, said cam elements being substantially triangular in cross section and diminishing in size from their inner ends to their outer ends, said inner cam ends providing locking faces extending radially of said shank and substantially at right-angles thereto.

2,203,974
PUMP
Robert A. Weinhardt, Lansing, Mich., assignor of one-fourth to Herbert B. Trix, one-fourth to John A. Kienle, and one-fourth to Alfred Vang, all of Wayne County, Mich.
Application February 8, 1937, Serial No. 124,543
4 Claims. (Cl. 103—140)



1. A rotary displacement pump comprising a casing having inlet and outlet ports, a rotor body within said casing in tangential contact with the wall thereof between the inlet and outlet ports, and an integral blade extending from the rotor body and having a free end engaging the wall of said casing, said blade being of sufficient resiliency to yield toward said rotor body under a predetermined amount of back pressure of the fluid being pumped.

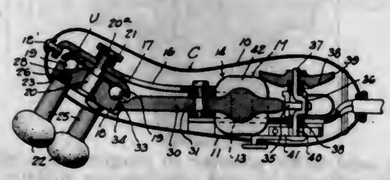
2,203,975
STEAM LOCOMOTIVE ENGINE
Otis W. Young, Winchendon, Mass., assignor of one-half to Henry S. Mann and one-half to Charles D. Young, both of Chicago, Ill.
Application August 30, 1937, Serial No. 161,577
7 Claims. (Cl. 105—37)



1. In a locomotive having a plurality of wheeled axles, at least two of which carry driving wheels, a separate source of locomotive power for each pair of driving wheels, an eccentric bearing sleeve mounted on each of the last named axles, each sleeve cooperating with its corresponding axle to form an eccentric bearing with an eccentricity less than the diameter of the axle, and a connecting rod disposed between the two axles and journaled on the bearings.

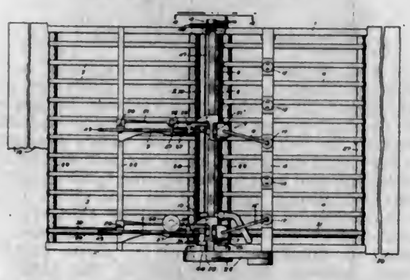
2,203,976
MASSAGING DEVICE
Suesaburo Aoyagi, Hilo, Territory of Hawaii
Application August 28, 1939, Serial No. 292,264
3 Claims. (Cl. 128—49)

1. A massaging device comprising: a handle; a plurality of applicators; means mounting said applicators in a group to project from the handle for oscillatory motion as a unit about a fixed axis on the handle; means in the handle co-acting with the mounting means to oscillate the applicators; resilient arms connecting the applicators



to the mounting means; each of said arms being composed of threaded pins projecting from the mounting means and from an applicator; a coil spring threaded at its ends onto said pins; and an elastic tube snugly fitting the spring and spanning the space between the mounting means and applicator.

2,203,977
AUTOMATIC TAPE-APPLYING MACHINE
Arthur Bennett, San Francisco, Calif.
Application April 7, 1937, Serial No. 135,486
20 Claims. (Cl. 154—1)



1. A machine for applying gum tape to paper and other sheets comprising conveying means for passing the sheets successively through the machine, electrically operated cooperating devices arranged and adapted for guiding and feeding adhesive tape onto said sheets while passing and for cutting off the tape, and means including a lamp providing a light ray across which the sheets pass and a photo-electric cell operated by said ray controlling an electric circuit for the starting of and the stopping of the tape feeding device and the operation of the cutter respectively as the edges of the sheets enter and leave the path of said ray.

2,203,978
MEANS AND METHOD OF SHORING BELL BOTTOM PILE HOLES
Benjamin E. Bertran, Los Angeles, Calif., assignor of one-half to Josie A. Bertran, Los Angeles, Calif.
Application October 15, 1938, Serial No. 235,292
9 Claims. (Cl. 61—40)

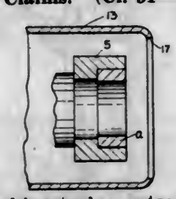
1. In a means for shoring bell bottom pile holes, a plurality of spaced shoring members forming a bell shaped skeleton of frusto-conical shape forming a lining support for the bell bottom hole, a reenforcing member secured near the upper ends of said shoring members for supporting said shoring members at their upper ends,

said reenforcing member including an annular member made in a plurality of pieces for placing



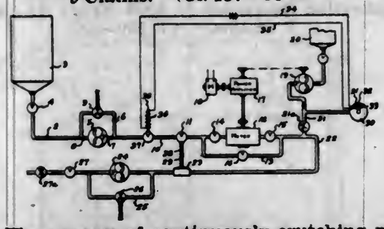
and afterwards welded to form a single annular member.

2,203,979
GUARD ARRANGEMENT FOR MACHINE TOOLS
Harold L. Blood, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application October 2, 1939, Serial No. 297,430
7 Claims. (Cl. 51—272)



1. In a machine tool, a rotary work holder, a rotary tool, means for shifting said parts substantially axially, to alternately place said tool in operative position relative to the work in said holder and to separate said tool from said work, and an encircling guard for said tool, adapted in said operative position to encircle said work holder.

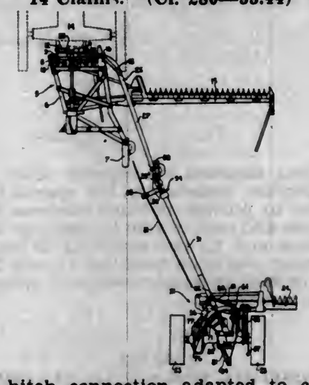
2,203,980
CONTINUOUS MIXING OF VISCOUS MATERIALS
Robert V. Burt, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application September 20, 1935, Serial No. 41,451
9 Claims. (Cl. 137—165)



2. The process of continuously crutching molten soap, which comprises causing soap to flow continuously and to actuate moving means in accordance with its flow, amplifying the power developed by the passage of said soap through said moving means with the addition of power from an external source, continuously and uniformly at all rates of flow forcing an added ingredient into the passing soap by means of said amplified power in a predetermined proportion to the quantity of soap passing, and thereafter subjecting the flowing soap and added ingredient to a continuous mixing action.

8. The method of proportioning and mixing a viscous material with an added ingredient, which comprises passing the viscous material under pressure through a conduit, continuously and uniformly at all rates of flow forcing an added ingredient into the passing stream of viscous material in a maintained proportion to the quantity of viscous material passing, delivering the commingled viscous material and added ingredient from the conduit through a restricted enclosure wherein the commingled materials are mechanically admixed and varying the rate of passage of the commingled materials by restricting the outflow from said enclosure while maintaining a constant pressure of the commingled materials toward said enclosure at all rates of flow.

2,203,981
HITCH CONNECTION
Wilbur J. Coultas, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 27, 1937, Serial No. 165,826
14 Claims. (Cl. 280—33.44)

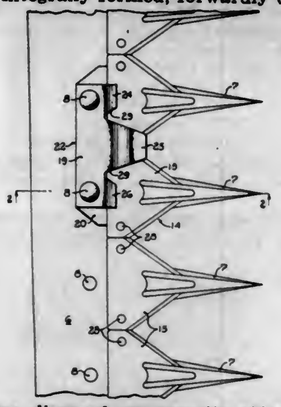


1. A hitch connection adapted to connect a working implement in offset relation behind a pulling vehicle, said hitch connection comprising a draft tongue pivotally connected for lateral movement to said pulling vehicle, means pivotally connecting the rear end of said draft tongue for lateral movement about a point on said implement, a stop for limiting the lateral swinging movement of said draft tongue in one direction when moved in that direction by the turning of the pulling vehicle, spring means connected between said draft tongue and said implement and biased when the draft tongue swings toward said stop, the strength of said spring means being insufficient to overcome the inertia of said working implement to start the latter moving when the draft tongue is swung laterally, the strength of said spring means being sufficient to continue the swinging movement of the implement after the draft tongue strikes said stop and initially strikes the movement of said implement, and a second spring means connected between said draft tongue and the implement for limiting the swinging of said implement about said pivotal connection in the other direction but permitting swinging of said implement about said pivotal connection beyond said limit in said other direction when said implement strikes an obstruction.

2,203,982
CUTTING APPARATUS
Wilbur J. Coultas and Carl J. Frederiksen, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 31, 1939, Serial No. 265,099
2 Claims. (Cl. 56—305)

2. A knife clip for a mower comprising a uni-

tary plate member having a supporting portion along the rear edge thereof adapted to be fixed to a cutter bar, an integrally formed tongue portion arching forwardly from said supporting portion and having a bearing surface along the forward end thereof adapted to slidably engage a sickle near the front portion of the latter, and a pair of integrally formed, forwardly extending

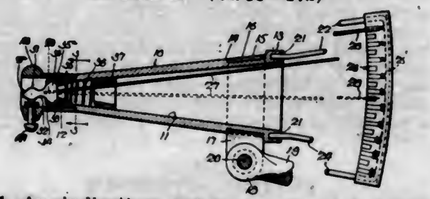


lip portions disposed on opposite sides of said tongue portion, respectively, but spaced laterally therefrom to provide notched recesses between said tongue and each of said lip portions whereby said tongue and lip portions may be separately heat treated to provide hard tips at their forward ends while maintaining a malleable structure at the bases thereof.

2,203,983
COMPOSITION FOR SOUND RECORDING DISKS
Henry A. De Phillips, New York, N. Y.
No Drawing. Application January 31, 1938, Serial No. 187,983
1 Claim. (Cl. 260—13)

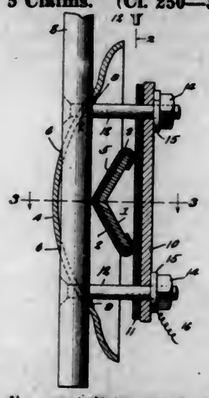
A non-inflammable, durable, non-crystalline composition of matter adapted for applying onto a receptive base comprising the following parts by approximate weights; namely, tricresyl phosphate 16.0, soya bean oil 3.0, chlorinated diphenyl 1.5, butyl stearate 1.5, ethyl cellulose 78, and sufficient dye coloring matter to obtain the desired coloring of the composition.

2,203,984
INDICATING AND MEASURING INSTRUMENT
John A. L. Deters, Chicago, Ill.
Application February 16, 1939, Serial No. 256,666
11 Claims. (Cl. 33—172)



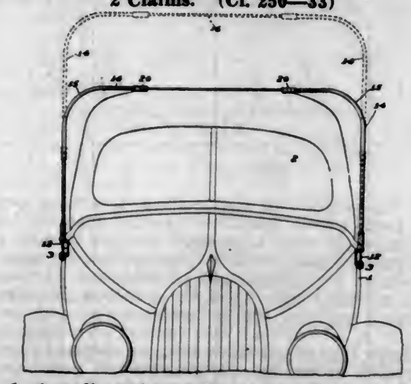
1. An indicating and measuring instrument, comprising a hollow body having a scale supporting frame extending outwardly thereof, a scale frictionally held on the extreme end of said frame, an indicator rotatively and swingably carried by the hollow body, said indicator having one end thereof coacting with the scale and the other end thereof engageable by work to be measured, means in the hollow body engageable with and yieldingly resisting the movements of the indicator, said means comprising a ring slidably positioned in the body in engagement with the indicator, a tapered sleeve frictionally driven in the body, and a spring interposed between said ring and sleeve effecting a yielding tension on the indicator for yieldingly resisting the movements of the indicator.

2,203,985
RADIO ANTENNA
Kenneth L. Dorman, Grand Rapids, Mich.
Application May 25, 1939, Serial No. 275,753
5 Claims. (Cl. 250—33)



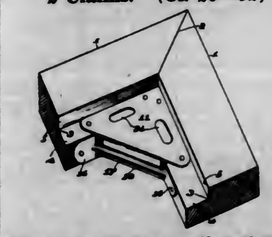
1. In a radio receiving means, a first concavo-convexed clamp jaw having openings, an antenna member extended through the openings, a second clamp jaw, and tightening devices connecting the jaws and extended through said openings.

2,203,986
AUTOMOBILE RADIO ANTENNA
Claude C. Farwell, Groton, Mass.
Application November 17, 1938, Serial No. 240,988
2 Claims. (Cl. 250—33)



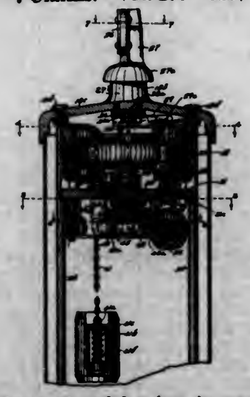
1. A radio antenna for an automobile having a windshield and cowl adjacent thereto comprising a series of elements telescopically connected including opposing elements having bends therein and into the opposite end portions of which the end portions of an interposed element is telescopically contained, means whereby said opposing elements may be insulatingly connected to the opposite sides of said cowl, said opposing elements being so initially formed in relation to said interposed element that said interposed element will be sprung upon fixing said opposing elements to said cowl and the frictional engagement between its ends and said opposing elements be tensionally maintained.

2,203,987
CORNER PIECE FOR FRAMES
Ermanno Galante, Woburn, Mass.
Application December 7, 1938, Serial No. 244,407
2 Claims. (Cl. 20—92)



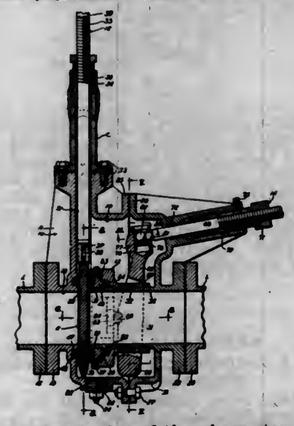
1. The combination with the abutting ends of frame bars having a mitered joint and a rabbeting along the front inside corner edges thereof, of a corner piece for positioning and holding together said bars comprising a flange carrying section arranged to lie interposed between the inner sides of said bars adjacent the angle between them and extending at right angles to said joint, flanges projecting at right angles from the opposite sides of said flange carrying section of different lengths, the shorter one of said flanges extending to lie within said rabbeting with fitting against the bottom thereof an covering only that portion of said joint extending through said rabbeting, the other longer one of said flanges extending to fit against the back of said frame bars inside the outer edges thereof with appreciable extension over said joint and widening on either side thereof, and means for fastening said corner piece to said bars.

2,203,988
RAILWAY CROSSING SIGNAL
Frank W. Griswold, Minneapolis, Minn.
Application July 9, 1936, Serial No. 89,749
7 Claims. (Cl. 177—329)



1. A railway signal having in combination, a signal member adapted to be turned to stop and non-stop positions, means for moving said signal to non-stop position including a shaft, a member carried by said shaft, a swinging arm having a locking means for engaging said member to hold said shaft in position when said signal is in non-stop position, an electro-magnet for holding said arm in position with said means engaged, said arm carrying an armature for said electro-magnet, said shaft being disposed to swing said arm away from said electro-magnet at a disadvantageous leverage so that when said armature is engaged with said electro-magnet said arm will be easily held thereby and means on said shaft for moving and holding said arm adjacent said electro-magnet when said signal moves to stop position.

2,203,989
VALVE DEVICE
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application December 27, 1937, Serial No. 181,797
7 Claims. (Cl. 251—167)

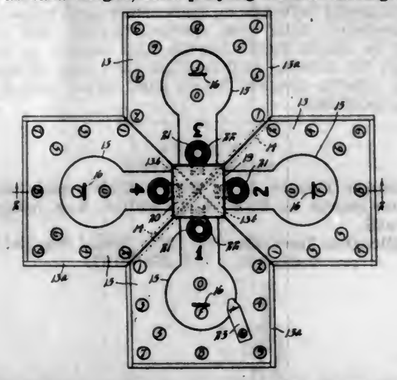


1. In a valve device of the character described, a body having a chamber and a fluid passage intersecting the chamber, an annular seat in the body surrounding the passage at one side of the chamber, a tubular part extending from the opposite side of the chamber toward said seat, the interior of said part forming a portion of said passage, a plate, means for moving the plate between a position in the chamber and a position between the seat and the said part where it extends across said passage, a sleeve translatable on said part and having an end facing the seat, a packing unit movable on and sealing with said part and having an end engaging said end of the sleeve, a ring shiftable on said part and engaging the opposite end of said packing unit, a slack connection between the sleeve and ring, a packing unit on the ring opposing said seat, and manually operable means for moving said sleeve to cause the last named packing unit to seal with the seat when the plate is in the chamber and to seal with the plate when the same extends across the passage.

2,203,990
GAME APPARATUS
Rae J. Heymer, Minneapolis, Minn.
Application March 4, 1938, Serial No. 193,899
3 Claims. (Cl. 273—85)

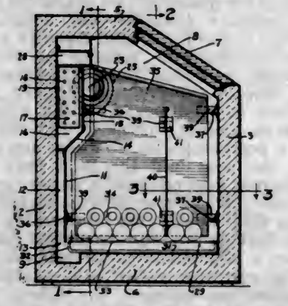
1. In a game apparatus, a playing board having a target associated therewith, a ball-like

projectile having a plurality of pairs of parallel faces upon any one of which it may seat by chance after being thrown, a projector for said projectile adapted to be freely moved about over the board and placed in any desired shooting position thereon with respect to said target, said projector having projectile receiving means and being manually operable to throw said projectile at said target, said playing board having in-



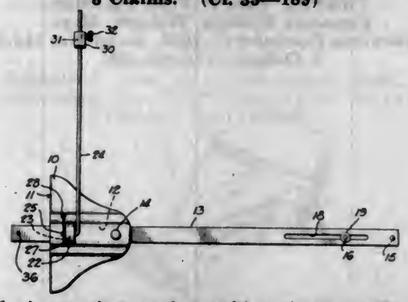
dicia thereon indicating a plurality of predetermined shooting positions with respect to said target, and the faces of said projectile having indicia thereon corresponding to the indicia of said playing board, whereby, after said projectile has been thrown and comes to rest its indicia will automatically denote the next shooting position from which the projectile is to be thrown by said projector.

2,203,991
BEVERAGE COOLER
Andrew J. Johnson and Albert L. Goetzmann, Minneapolis, Minn.
Application June 15, 1939, Serial No. 279,312
5 Claims. (Cl. 62—102)



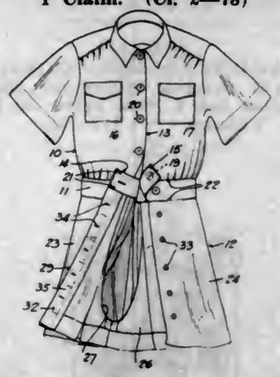
3. In an apparatus of the class described, a casing having a chamber therein, means providing an upright air circulating passage along one wall of the chamber, said passage terminating in an air delivery opening of substantially the same length as the chamber, a grid of substantially the area of the chamber in the lower portion of the chamber for supporting articles in spaced relation to the bottom of the chamber and formed to provide an air space below the articles and communicating with said passage, a finned cooling coil in said passage, a blower for circulating the air in said chamber through the cooling unit and said air passage, and means whereby the cooled air delivered into said air space is caused to pass upwardly through the openings in the grid and be uniformly distributed throughout the entire chamber.

2,203,992
GAUGING AND MARKING INSTRUMENT FOR DRAWER PULLS AND DOOR HANDLES
Francis Lutz, Merced, Calif.
Application June 13, 1939, Serial No. 278,809
8 Claims. (Cl. 33—189)



1. A gauging and marking instrument for drawer pulls and door handles comprising a body having a gauging portion adapted to rest against an edge of a drawer front at one side thereof; marking means; means mounting said marking means on the body at a distance from said gauging portion; and means co-actable with said body and adapted to co-act with an edge of the drawer front at a right angle to the first said edge thereof, to gauge the distance of the marking means from the second said edge of the drawer front.

2,203,993
GARMENT
Marjorie Montgomery Lutz, Los Angeles, Calif., assignor to Marjorie Montgomery, Inc., Los Angeles, Calif., a corporation of California
Application November 26, 1938, Serial No. 242,499
1 Claim. (Cl. 2—78)



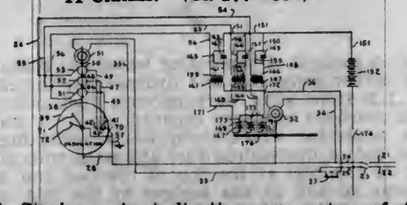
In a feminine outergarment of the type embodying a lower "shorts" portion having the appearance of an abbreviated divided skirt openable along a leg thereof, a pleat structure comprising outer and inner folds of material forming a pleat at one edge of the opening in the leg adapted to overlap the other edge of the opening; and means for closing the opening, including a fly member carried by the inner one of said folds and concealed by the pleat, so as to render the opening invisible when closed, the fly member having an inner flap concealed thereby and adapted to carry portions of separable fastening means.

2,203,994
SPRING CLIP RAIL FASTENER
Gerald M. Magee, Glen Ellyn, Ill.
Application June 29, 1939, Serial No. 281,809
7 Claims. (Cl. 238—349)



1. A spring clip fastener assembly for rails, comprising a rail having a base flange, a tie plate having a portion for supporting said rail, an extended portion integral with said plate, a rectangular-shaped spring clip having a leg a portion of which is arched cooperating with said extended portion of said plate to create an initial spring resisting force upon said extended portion through the medium of said arched portion, said clip having a second leg connected to said first leg by means of a web and contacting the top surface of said base flange to create an initial spring resisting force thereon, said first and second mentioned legs each being adapted to create additional force upon said plate and base flange respectively upon an upward movement of the rail and additional contact of said base flange with the under side of said second leg, and non-resilient means to secure said clip to said extended portion of said plate and to prevent said arched portion from moving vertically in relation to said tie plate.

2,203,995
STROBOSCOPIC DISTANT INDICATOR
Charles E. Main, Kansas City, and Leonard Hanson, Carrollton, Mo.; said Hanson assignor to said Main
Application November 2, 1936, Serial No. 108,776
11 Claims. (Cl. 177—351)



1. Stroboscopic indicating apparatus of the character described comprising a rotatable indicator, means for rotating the same at a predetermined speed, a plurality of flash illuminating means mounted to each illuminate a limited area of a different annular zone on said indicator, said areas being radially aligned, a fixed index extending across said zones, rotatable means remote from said illuminating means to independently flash the same so as to flash one thereof in accordance with the position of a fixed point representing a zero or starting point for a movable operating member and another thereof in accordance with the position of said movable operating member, means for rotating said rotatable means at substantially the same speed as said indicator, and concentric scales on said indicator each aligning with one of said zones to be each illuminated by one of said flash means, the scale aligning with said flash illuminating means which is flashed in accordance with the position of said fixed point having means thereon for indicating and establishing a zero point for all said scales, and the scale aligning with said illuminating means flashed in accordance with the position of said movable operating member having means thereon for indicating a reading in accordance with the position of said movable operating member.

2,203,996
BENDABLE ELECTRIC LEAD
George E. Megow, South Milwaukee, and Homer G. Thomson, Milwaukee, Wis., assignors to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Original application July 15, 1937, Serial No. 153,746. Divided and this application February 1, 1938, Serial No. 188,020
6 Claims. (Cl. 201—63)



1. In an electrical component having a bendable solid wire lead, the combination comprising an electrical component body composed of hard nondeformable material, an electrode socket in said hard body, and an elongated easily bent solid current-carrying metallic wire lead having a stiffer less easily bent end portion, said stiffer end portion being embedded and rigidly held within said socket at such depth that a substantial part of said stiffened end portion extends outwardly from and beyond said socket whereby upon bending of said lead localized bending near the point of emergence thereof from said body is diminished.

2,203,997
MOLDED COMPOSITION RESISTOR
George E. Megow, South Milwaukee, and Homer G. Thomson, Milwaukee, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Original application July 15, 1937, Serial No. 153,746. Divided and this application October 17, 1938, Serial No. 235,388
5 Claims. (Cl. 201—63)

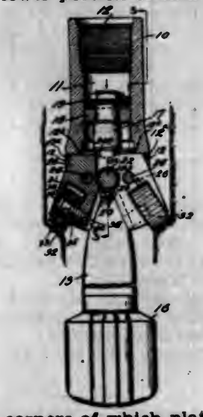


1. A resistance unit comprising a molded resistor body, and two wire electrodes each having a flexible solid metallic wire shank portion and a rigid head portion as a continuous integral part thereof, said heads being embedded in opposite ends of said resistor body with the said flexible shank portions entirely exterior of said resistor body.

2,203,998
EXPANSION BIT AND REAMER
Daniel J. O'Grady, Los Angeles, Calif., assignor to H. John Eastman, Long Beach, Calif.
Application August 15, 1938, Serial No. 224,908
15 Claims. (Cl. 255—76)

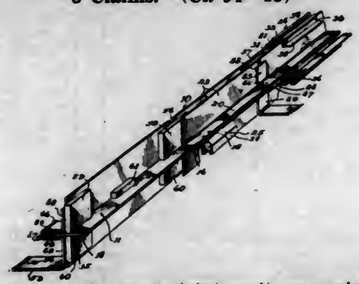
1. In an expansion bit and reamer, a tubular body adapted to be detachably connected to a drill pipe, a pair of plates pivotally mounted in the lower portion of said body and adapted to swing outwardly therefrom, a piston arranged for

reciprocatory movement within said tubular body, a piston rod depending from said piston, a crosshead on the lower portion of said piston rod, the



upper inner corners of which plates are recessed vertically and transversely for said crosshead and the lower portion of said piston rod.

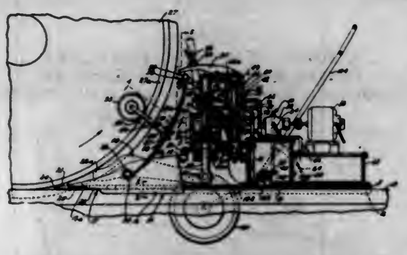
2,203,999
CONCRETE ROAD JOINT
Clifford Older, Wilmette, Ill.
Application November 17, 1937, Serial No. 175,128
5 Claims. (Cl. 94—18)



1. A concrete road joint unit comprising a dowel plate of predetermined length and a pair of shield members carried by said dowel plate, each shield member comprising an upwardly extending flange and a downwardly extending flange, and a pair of horizontal flanges for slidably engaging the dowel plate, and space being provided between said vertical flanges and between the edge of said dowel plate and the juncture of said horizontal flanges for initial expansion, and flexible expansible members carried by the upper flanges of said shields and the lower flanges of said shields, said shields being formed in a plurality of sections slidably engaging said dowel plate, and clamping members of sufficient width to span a crack between adjacent sections of shield, said clamping members engaging said horizontal flanges and holding them in tight contact with said dowel plate, said clamping members being provided with downwardly extending legs and laterally projecting feet whereby the joint may be supported stably on the terrain.

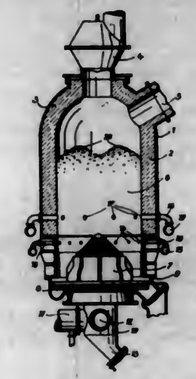
2,204,000
RAIL CAR MOVER
Harold C. Pierce, Pomona, Calif.
Application February 28, 1939, Serial No. 258,960
20 Claims. (Cl. 254—38)

15. In a rail car moving mechanism, a continuously driven pump operating to discharge fluid under pressure, a driving member applicable



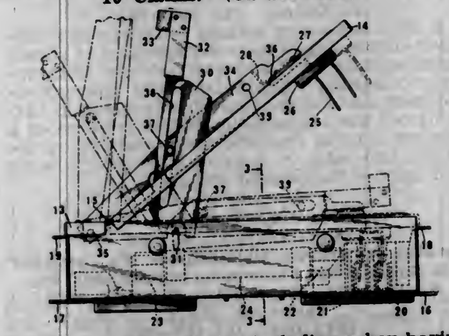
to the car wheel to rotate same, and means for operating said member by the pressure of said fluid.

2,204,001
PRODUCTION OF WATER GAS
Max Radtke, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application September 30, 1937, Serial No. 166,486
In Germany October 1, 1936
3 Claims. (Cl. 48—207)



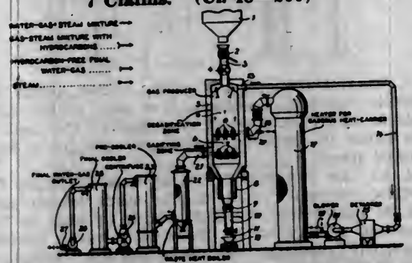
1. A method of generating water gas containing carbon monoxide and hydrogen in the ratio of 1:2 from solid carbonaceous fuel poor in hydrocarbons or tarry constituents in a water gas generator which comprises establishing a fuel bed of descending fuel aforesaid with supply of the fuel at the top of the bed and discharge of ash at the bottom of the bed, air-blasting the fuel bed upwardly from the bottom through the ash in the lower zone of the fuel bed and withdrawing the resultant blast gases from the bed above the top of the same, then alternately passing down-run steam through the fuel bed from above the top of the bed to and withdrawing the down-run water gas generated thereby from the bed through the ash in the lower zone of the bed, and concurrently with the passing of down-run steam through the fuel bed, introducing secondary steam into the ash in the lower ash zone to convert part of the CO of the down-run water gas to CO_2, by reaction of the CO with the secondary steam in the presence of minerals in the ash, and in amount to produce a ratio CO to H in the proportion of 1:2 in the final down-run water gas leaving the ash zone in the lower part of the fuel bed.

2,204,002
ELECTRIC SWITCH
Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application July 9, 1938, Serial No. 218,279
10 Claims. (Cl. 200—153)



1. Electrical apparatus including a box having a cover hinged at one edge and engaging the other edges when closed, said cover having projections extending laterally from portions of the cover intermediate the hinged edge and the opposite edge and a handle having two spaced side arms hinged to the box between the cover hinge and the opposite edge of the cover, said side arms having slots in which said projections slide when the handle is moved to open or close the cover and a cross piece connecting the side arms and lying parallel and close to the end of the cover when the cover is closed.

2,204,003
PRODUCTION OF WATER GAS
Roman Rummel, Ruhland, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application April 9, 1938, Serial No. 201,193
In Germany April 10, 1937
7 Claims. (Cl. 48—200)



1. In a method of continuously producing water-gas free of hydrocarbons from distillable solid fuels, which comprises: maintaining in a bed of continuously descending fuel aforesaid a lower water-gas reaction gasifying-zone and an upper predistillation degasifying zone; introducing the fuel to be gasified at the top of the bed and withdrawing the residue as solids from the bed below the water-gas reaction zone; and effecting said maintenance of the zones of the fuel bed by traversing the upper predistillation zone with a preheated gaseous heat carrier medium of water-gas and circulation of the same from the upper predistillation zone together with hydrocarbons therefrom and steam through a separate heating-up stage to reheat the medium and thence back to the fuel bed through the lower water-gas reaction zone for the water-gas reaction therewith; the improvement comprising: introducing the gaseous heat carrier medium for the upper predistillation and lower water-gas reaction zone to the bed intermediate the respective zones, and in quantities for the respective zones to supply the heat requirements for the respective zones; withdrawing the hydrocarbon-free water-gas from the fuel bed at a zone intermediate the lower water-gas reaction zone and the region of withdrawal of solid residue from below the water-gas reaction zone; the heat carrier for the respective zones being introduced to the fuel bed at a region in which the stream divides and the part for the upper zone traverses the upper zone independently of the lower zone and the other part of the stream for the lower water-gas reaction zone traverses predistilled fuel from the upper zone before the predistilled fuel and the heat carrier reaches the lower water-gas reaction zone.

2,204,004
COLLAR OR NECKBAND SUPPORT
James W. Steele, North Kansas City, Mo.
Application October 17, 1938, Serial No. 235,435
5 Claims. (Cl. 223—83)



1. A collar or neckband supporting device comprising a supporting member embracing the inner or neck-engaging face of the collar opening of a garment, the lower edge of said supporting member being provided with a hinge tab extending to one side of its hinge line for engaging beneath the collar or neckband and having an extension projecting beyond and to the opposite side of said hinge line for actuating the tab into horizontal or operative position.

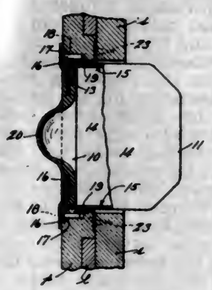
2,204,005
PROCESS OF HARDENING STEEL WIRES
Robert Suchy, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 9, 1938, Serial No. 223,907. In Germany August 18, 1937
3 Claims. (Cl. 148—15)

1. A process of hardening steel wires, which comprises heating such wires to temperatures above the critical range and thereafter quenching such wires in a fused saline bath substantially consisting of alkali metal chromate which is maintained at a temperature of approximately 500° C.

2,204,006
OUTLET BOX CLOSURE
Edward N. Allen and Robert L. Hinckley, Springfield, Mass.
Application October 23, 1937, Serial No. 170,517
2 Claims. (Cl. 220—3.4)

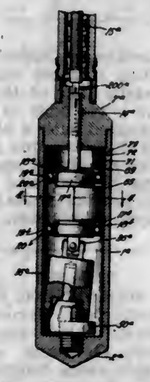
1. A temporary closure for an outlet box, comprising, a substantially flat body the outer face of which is intended to lie substantially flush with the outer face of a plastered surface, and a member connected to said body and resiliently urged outwardly into a position wherein it projects beyond said face of the body for the purpose of penetrating the plastered surface if said body is embedded therein, said member when in said position presenting a cam-like surface adapted

to be engaged by a plasterer's trowel, whereby said member may be cammed inwardly into the



plane of said face of the body and then spring back into said position after passage of said trowel.

2,204,007
APPARATUS FOR MULTIPHASE VIBRATION
Robert William Baily, Narberth, Pa.
Application February 13, 1939, Serial No. 256,249
15 Claims. (Cl. 259—1)



1. A vibrating device comprising a housing, a drive shaft journalled therein, a weight and a universal coupling for securing said weight non-rotatably to the shaft, a positioning pin for the weight secured within the housing, said weight being provided with a large tapered recess at the free end having a surface therein of predetermined circumference and a complementarily tapered end on the pin provided with a lateral surface having a circumference smaller than the circumference in the recess by a predetermined amount adapted to have one side held in rolling contact with one side of the surface in said recess forming a crescent shaped space therebetween, a loose crank member positioned in said space having surfaces in sliding contact with the surfaces of said pin and said recess adapted to tilt the weight so that the center of gravity is displaced laterally with respect to the axis of said shaft, and means for urging the surfaces into intimate contact so that as the shaft is rotated at a moderate speed the center of gravity of the universally coupled shaft is rotated at a more rapid speed to produce high frequency vibrations in said casing.

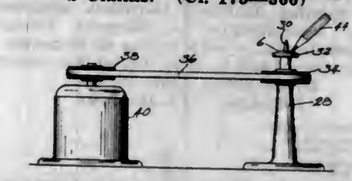
2,204,008
MANUFACTURE OF COUMARIN
Edgar C. Britton and John E. Livak, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 1, 1938, Serial No. 199,495
11 Claims. (Cl. 260—344)

1. In a method of making coumarin by chemically condensing acetic anhydride and an alkali-metal acetate with an agent selected from the class consisting of salicylaldehyde and salicylaldehyde acetate, the step which consists in carrying out the condensation in the presence of a catalyst selected from the class consisting of the oxides and salts of the metals of groups seven and eight of the periodic system.

2,204,009
INSECTICIDAL AGENT
Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application March 2, 1939, Serial No. 259,317
19 Claims. (Cl. 167—22)

1. A parasiticidal spray containing a dispersible composition comprising the reaction product of polyglycerol, a resin-forming, dicarboxylic acid and an acid selected from the group consisting of monobasic, aliphatic acids which are not of the drying type and which possess at least 8 carbon atoms, monobasic aliphatic acids, having at least 8 carbon atoms, the chain of which is interrupted by an oxygen atom, and cycloaliphatic acids, said reaction product having an acid number less than fifteen.

2,204,010
ELECTRIC CURRENT RECTIFIER
Margaret Conant, Kansas City, Kans.
Application August 1, 1938, Serial No. 222,423
2 Claims. (Cl. 175—366)



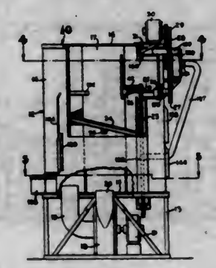
1. In the making of oxide coated units for electric current rectifiers, the step which consists in applying carbon to a face of the unit as the same is revolved about its axis at a high rate of speed.

2. In the making of oxide coated units for electric current rectifiers, the steps which consist in subjecting the unit blank to heat in the presence of oxygen to create the oxide coating thereon; grinding the oxide coating from one side of the unit; arranging several units having the oxide coating on one face of each, in face to face relation to protect the oxide coating on said faces; subjecting the several units to the action of an abrasive to remove the oxide coating on the edges of the units; and submerging the several units in acid to etch the exposed edges of the units.

2,204,011
BOX TREATING APPARATUS
Charles B. Cook, Los Angeles, Calif.
Application June 20, 1938, Serial No. 214,773
4 Claims. (Cl. 21—80)

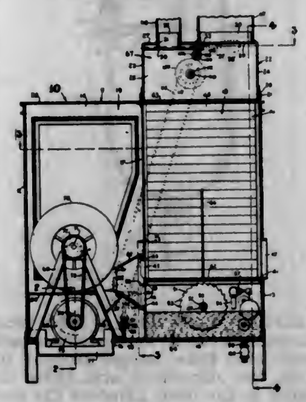
1. In a box treating apparatus, a housing closed

at the top and bottom, said housing including an entrance portion and an exit portion, one of said portions being adjacent the top of the housing and the other portion adjacent the bottom thereof, a central hollow column in said housing extending from the top to the bottom thereof, means to circulate fluid in said housing and said



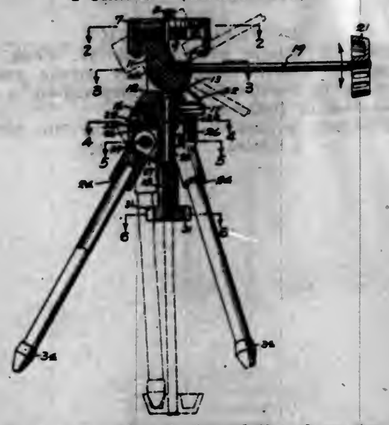
central column, a conveyor within said housing and outside of said central column, means to withdraw fluid from a box at said exit portion and to discharge it into a box at said entrance portion, and a conduit member extending outward from said central column and adapted to discharge fluid into the space between said column and the outer wall of said housing.

2,204,012
AIR CONDITIONING APPARATUS
Charles B. Cook, Los Angeles, Calif.
Application January 20, 1939, Serial No. 251,965
6 Claims. (Cl. 62—139)



1. In an air conditioning device, a housing having a transverse vertical partition therein forming two compartments, one of said compartments including a core chamber and a lower chamber, a core member positioned in said core chamber, said core member comprising a plurality of spaced elongated vertical conduits, said housing having an outlet in the upper portion of said core chamber, said housing having an outlet from said core chamber adjacent the lower end thereof, a partition member between said core conduits and extending upwardly from the bottom of said core chamber, air moistening means in said lower chamber and means in the other compartment to force moistened air from said lower chamber through said core conduits and to force air around said core conduits.

2,204,013
SUPPORT
Alonzo F. Gaidos, Redwood City, Calif.
Application June 24, 1938, Serial No. 215,611
4 Claims. (Cl. 248—168)



1. In a supporting device of the character described, a base, legs on the base being pivoted to be swingable toward the center line of the device into a collapsed position, a support, a universal mounting for the support on the base, a fastening element extended through the base forming one of the pivots of said universal mounting, means extended from the side of the base opposite to said mounting to tighten said fastening element, means on said tightening means to engage the legs in collapsed position, and means to releasably hold said legs in collapsed position.

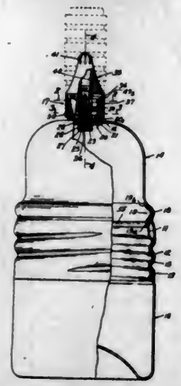
2,204,014
RETINOSCOPE
James H. Grout, Chicago, Ill.
Application October 10, 1938, Serial No. 234,265
4 Claims. (Cl. 88—20)



1. In a retinoscope of the character described, a handle, a lamp support, a lamp rotatably mounted upon the support, means for rotating said lamp with respect to the handle, the last said means embodying, teeth on the said support, a gear meshing with the teeth, a finger engaging element slidable lengthwise of the support, and a stem to which the said element is connected, said stem being axially twisted and passing

through the gear, whereby when the stem is moved longitudinally through the gear the latter will be rotated.

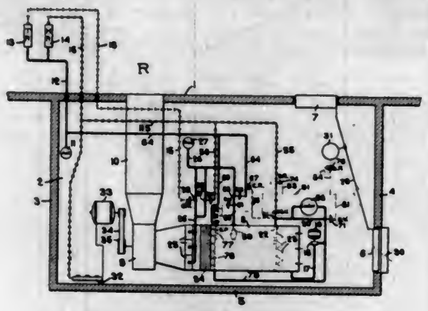
2,204,015
DISPENSING DEVICE
Herbert J. Iftiger and Ernest W. Cook, Los Angeles, Calif., assignors, by mesne assignments, to Service Devices Corporation, a corporation of Delaware
Application August 5, 1938, Serial No. 223,238
1 Claim. (Cl. 225—22)



A dispensing container having a screwthreaded neck, a valve carried interiorly by said container neck, there being a restricted passage in the lower portion of said neck which is controlled by said valve, said valve having a stem extending axially within said neck, a guide plate carried by said stem and having peripheral portions interiorly engaging said neck with a working fit, said plate having cut-away portions affording outlet passages for fluid, a dispensing cap having an upper nozzle portion and a skirt portion to screw on to said neck, said cap having an axial discharge passage which leads from the space circumscribed by its skirt to its nozzle portion, an axial internal sleeve having its upper end portion secured within the lower portion of the last recited passage and its lower end abuttable against said guide plate to open the valve when the aforesaid cap is secured down, said sleeve having openings to admit the fluid to its interior after it has flowed through the aforesaid cut-away portions of said guide plate, and a spring positioned to act upon the lower side of said guide plate to close said valve when said cap is screwed back to its original position.

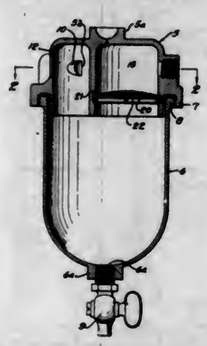
2,204,016
VENTILATING AND HUMIDIFYING SYSTEM
Alfred F. Karlson, North Leominster, Mass., assignor to Parks-Cramer Company, Fitchburg, Mass., a corporation of Massachusetts
Application June 25, 1937, Serial No. 150,296
18 Claims. (Cl. 236—44)

1. Apparatus for ventilating and humidifying a room comprising a humidifier, air circulating means for delivering air to the room from said humidifier, including a fan driven by a variable speed motor, means for controlling the supply of moisture for humidifying said air, a humidostat exposed to room conditions and means operable by said humidostat to controllably vary the speed of said fan and the volume of air circulated thereby and alternatively to control said supply of moisture to maintain a pre-



determined standard of humidity within said room.

2,204,017
FILTER
Ottmar A. Kehle, West Los Angeles, Calif., assignor to Sterling Products Company, Los Angeles County, Calif., a corporation of California
Application March 3, 1939, Serial No. 259,564
8 Claims. (Cl. 183—67)

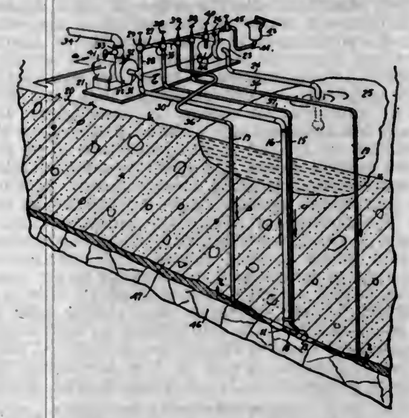


1. A separator comprising a fluid receptacle, a head mounted thereon, an elongated baffle tube in the head, said tube having one of its ends opening into the receptacle and being disposed longitudinally in the head adjacent the periphery thereof, an inlet passage in the head communicating tangentially with said tube at a point adjacent the other end thereof, and an outlet passage in the head, said passage communicating with the receptacle at a point laterally spaced from the point at which said tube opens into the receptacle.

2,204,018
APPARATUS FOR RECOVERING PRECIOUS METALS
Errol F. Kingsley, Portland, Oreg.
Application December 10, 1938, Serial No. 244,992
4 Claims. (Cl. 262—1)

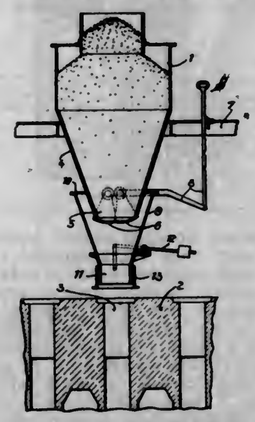
1. In a device of the class described a digger foot having in combination a suction pipe, a foot at the bottom end of said pipe, said foot having a

heel and toe formed thereon and having an opening in the bottom thereof between said heel and



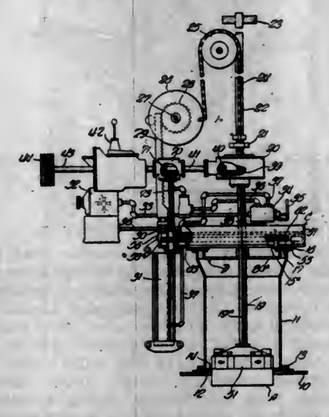
toe together with a water jet adapted to discharge into said foot at its toe end.

2,204,019
COAL CHARGING HOPPER FOR COKE OVENS
Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application November 19, 1937, Serial No. 175,380
In Germany November 20, 1936
2 Claims. (Cl. 214—35)



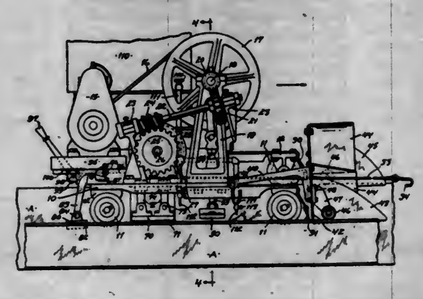
2. A coke-oven lorry coal-charging receptacle comprising: an upper hopper of comparatively large area at its upper part with lower inclined sides tapering to and terminating in an unrestricted lower valve-closed outlet; and a lower hopper with similarly inclined tapered sides surrounding the lower discharge valve-closed outlet of the upper hopper with a substantial clearance and terminating in a bottom connecting nozzle outlet to a coke-oven charging hole for connecting the lorry upper hopper with the charging hole; and in which the valve-closed outlet has a free-section larger than the connecting nozzle outlet, and terminates above the top of the connecting nozzle at a distance substantially greater than its own diametric dimension as to cause the coal material to flow when moist or sticky, through the valve-closed outlet and lower hopper to the charging hole without sticking, free from poking and scraping in the hoppers, the interior of the hoppers and outlet being entirely free from obstructions.

2,204,020
INVERTED BELL PACKER FOR CONCRETE PIPE
Russell M. La Due, Sioux City, Iowa
Application November 21, 1938, Serial No. 241,625
11 Claims. (Cl. 25—36)



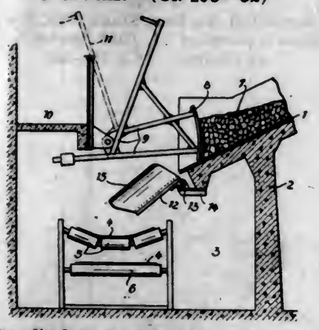
2. A bell packer head for pipe making machines, said head having an annular vertical wall with packing members thereon on the outside thereof, said wall having openings therethrough between the successive packing members for the passage of plastic material.

2,204,021
CONCRETE FORMING MACHINE
Clarence M. Leatherman, Coldwater, Mich., assignor of one-half to Carl H. Derrickson, Bronson, Mich.
Application September 27, 1937, Serial No. 165,864
7 Claims. (Cl. 94—39)



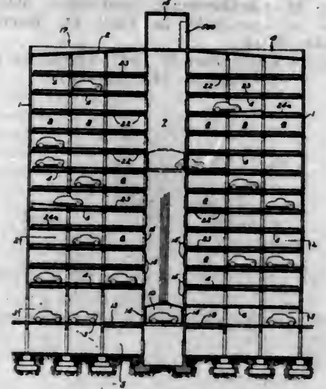
4. In a curb and gutter forming machine, a wheel supported frame, a motor mounted on said frame, a vertically movable tamper to tamp the horizontal surfaces of a concrete gutter formation and a second tamper movable in a substantially horizontal direction to tamp the horizontal surface of a concrete curb formation, and means operated by said motor to drive said tampers.

2,204,022
INCLINED WHARF FOR COKE OVEN BATTERIES
Karl Mack, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application June 2, 1938, Serial No. 211,436
In Germany June 5, 1937
3 Claims. (Cl. 198—52)



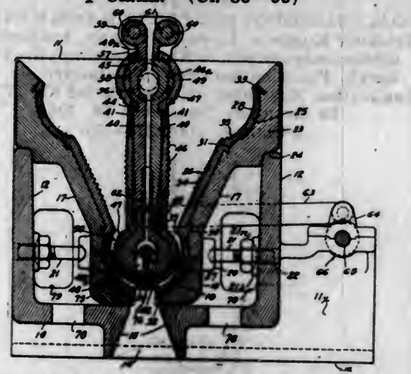
1. Coke discharge wharf for coke oven plants or the like, comprising a belt conveyor travelling along the lower edge of the wharf, a guide plate movably mounted on the lower edge of the wharf and extending over said conveyor, said plate being swingable about a horizontal axis so as to form a lower extension of the wharf, said plate being further provided on its upper side with projections, said projections being so designed that the material sliding off the wharf is directed in the direction of movement of the conveyor.

2,204,023
PARKING DEVICE AND METHOD OF OPERATING
Howard F. Mason, Los Angeles, Calif., assignor of one-half to August Slater, Los Angeles, Calif.
Application August 10, 1937, Serial No. 158,365
39 Claims. (Cl. 214—16.1)



9. In an automobile storage system: a plurality of stalls; automobile moving devices arranged to move automobiles with respect to their occupation of said stalls, including a single automobile moving device arranged to move automobiles in the process of moving them with respect to their occupation of any one of said stalls; a plurality of control means individually and respectively associated with said stalls, each of said control means being adapted to be initiated in its operation by an act of the operator and after initiation to automatically, in a predetermined sequence, operate some of said devices including said single device each in a predetermined complete cycle of movements of predetermined character to a predetermined terminal position to automatically move an automobile with respect to its occupation of that stall with which said control means is associated; and means for automatically holding in abeyance the operation of all but a chronologically first initiated control means of a predetermined number of sequentially initiated control means, pending the completion by said single moving device under the control of said first initiated control means of the predetermined cycle of movements of said single moving device, and reactuating said control means held in abeyance in the same chronological sequence as that in which they were initiated by the operator, each being held in abeyance pending the completion by said single moving device under the control of the next prior initiated control means of the predetermined cycle of movements of said single moving device.

2,204,024
CRUSHING AND GRINDING MACHINE
Maude E. Meinhardt, Los Angeles, Calif.
Application April 17, 1939, Serial No. 268,226
1 Claim. (Cl. 83—53)



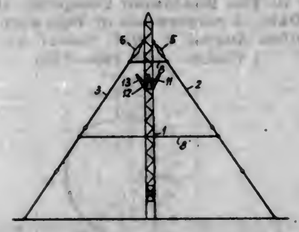
In a crusher, an open topped casing having a floor and side walls rectangularly arranged as viewed in plan, the side walls of said casing extending farther up than its end walls, two inclined stationary oppositely disposed jaw members each of an elongated plate-like character and having a lower end portion resting upon the floor of said casing adjacent to its central portion, the upper portion of each said stationary jaws having a head of a generally right angled contour in its lower outer portion with a rounded groove in its corner portion, the grooved part thus provided resting loosely upon a shoulder afforded therefor by the upper edge of the end wall at its end of the casing, the inner surface of said head being concave thereacross superjacent to said groove, extensible and contractible means positioned between said jaw's lower end portion and the adjacent end wall of the casing to vary the inclination of such jaw, a lining member for each jaw having a convex outer portion fitting into the aforesaid concave surface of said head to aid in keeping in place, movable means occupying the space between said lining members of said stationary jaws to cooperate with them in the performance of a crushing operation, and outlet means to discharge the crushed materials.

2,204,025
PISTON EXPANDER
Arden John Mummert, University City, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application January 6, 1940, Serial No. 312,771
7 Claims. (Cl. 309—12)



1. An expander for a piston skirt having an axially extending slot therein, said expander comprising an expanding member anchored to the marginal portions of said skirt at each side of said slot and adapted to move said portions to open up said slot, said expander also including a member engaging the inner surface of said skirt, extending circumferentially from said slot and adapted and arranged to exert a pressure outwardly against said marginal portion when said expanding member acts to move said marginal portions away from one another.

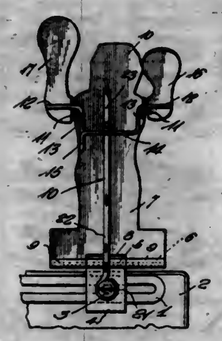
2,204,026
ANTENNA STAY ARRANGEMENT
Wilhelm Peters, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 19, 1938, Serial No. 241,347
In Germany November 24, 1937
5 Claims. (Cl. 250—33)



1. An antenna comprising a vertical radiating mast, a plurality of stay cables for supporting said mast, said cables being connected to said mast through insulating means, an auxiliary supporting means connecting said stay cables at the upper ends thereof whereby the breakage of said insulating means will not disconnect the stay cable associated therewith from said mast, said auxiliary supporting means being so disposed with respect to said mast that a predetermined potential gradient is maintained in the vicinity of said mast.

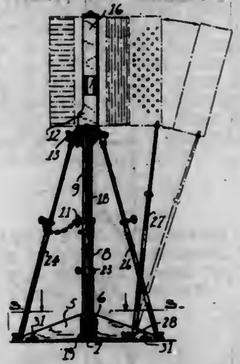
2,204,027
SIGNAL DEVICE FOR VEHICLES
Bernard Peyton, Queens Village, N. Y.
Application June 21, 1939, Serial No. 280,411
6 Claims. (Cl. 116—51)

2. In a vehicle signal, a mounting, a body pivoted to said mounting, a yoke pivotally carried by said body, arms carried by said yoke and extending from the yoke in angular relation to each other, and means carried by said mounting for limiting pivotal movement of the body and actuating said yoke during movement of the body to



swing one arm to raised position and the other arm to lowered position.

2,204,028
ACCORDION STAND
Oreste P. Richeda, Hanford, Calif.
Application March 1, 1939, Serial No. 259,239
4 Claims. (Cl. 84—378)

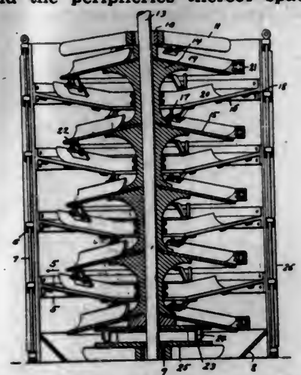


1. In a device of the character described, a supporting cross piece, a standard carried thereby, a flexible member secured to the cross piece at right angles thereto, an adjustable brace secured to the standard and connected to the outer end of the flexible member for flexing the same, and means carried by the upper end of the standard for securing a musical instrument thereto.

2,204,029
MIXER
Charles V. Russell, Miles City, Mont.
Application September 21, 1939, Serial No. 295,951
4 Claims. (Cl. 259—7)

1. In a device of the character described, a vertically arranged drum adapted to have materials pass therethrough by gravitation, substantially cone-shaped discs arranged in and secured on said drum with the concaved faces thereof disposed uppermost and each having a centrally arranged opening, a power shaft extending through said openings, substantially cone-shaped discs secured to said shaft and arranged above and spaced from the fixed discs and having the convex faces thereof disposed upper-

most and the peripheries thereof spaced from



the walls of the drum, and sweeps coacting with said discs.

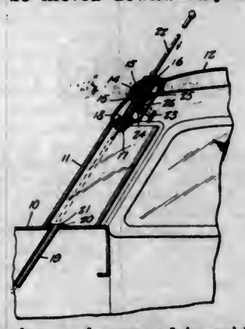
2,204,030
TWIST DRILL AND LIKE METAL-CUTTING TOOLS
James Say, Hammersmith, London, England
Application July 22, 1937, Serial No. 155,116
In Great Britain August 1, 1936
2 Claims. (Cl. 77—67)



1. In a drill includ'ng a land having at its lower end a cutting edge, a surface the plane of which is substantially radial to the curvature of said land, an elongate projection on the face of said surface extending longitudinally thereof, the walls of said projection being perpendicular to the face of the surface, the top of said projection being parallel with said face, the transverse width of said projection being greater than the height of said projection, one end of said elongate projection terminating in a cutting edge located in advance of, and above, the cutting edge on the land to provide a permanent advanced chip-breaker, and the other end of said projection terminating at the upper end of said surface.

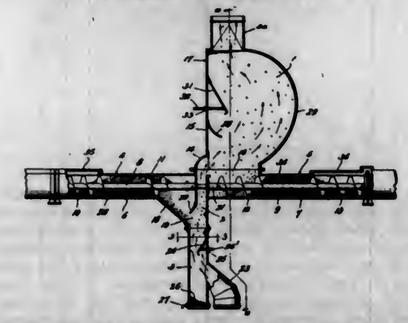
2,204,031
AUTOMOBILE RADIO MAST
Sven Stevenson, Buffalo, N. Y.
Application April 10, 1939, Serial No. 267,073
1 Claim. (Cl. 250—33)

The combination with the wind shield, the cowl below the wind shield and the roof of a motor vehicle, of a tubular member secured in upright position to the roof of the motor vehicle at about the median line of the wind shield, an insulating bushing sleeved on the tubular member at the roof, a guide tube secured at the top to and extending downwardly from the cowl, a radio mast slideably fitted in the tubular member and adapted to be moved downwardly through the



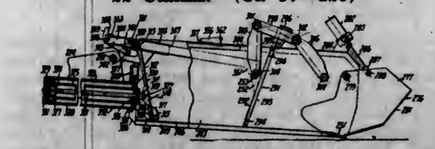
tubular member and engaged in said guide tube when retracted within the vehicle, said mast being adapted to be withdrawn from the guide tube and slid upwardly through the tubular member to extend above the roof of the vehicle, and a set screw carried by the tubular member and engaging the mast for holding the mast in retracted position within the vehicle or in extended position above the vehicle.

2,204,032
SEED CLEANER
Harold W. Whitlock, Oklahoma City, Okla., assignor to The Boardman Company, Oklahoma City, Okla., a corporation of Delaware
Application August 2, 1937, Serial No. 157,009
1 Claim. (Cl. 209—139)



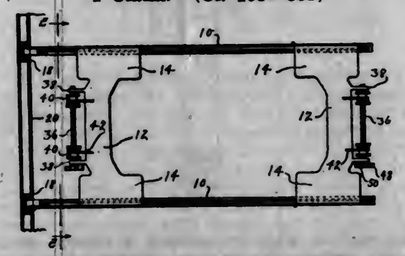
A seed cleaner comprising a separating chamber provided with a seed outlet at its bottom and an outlet at its top for air and light foreign matter, a conduit disposed vertically and having a mouth at its upper end communicating with the lower portion of the separating chamber and curved toward the same for directing air laden with seed and light foreign matter into the separating chamber, the wall of the chamber at the opposite side of the separating chamber from the air inlet being arcuate vertically and bowed outwardly between the seed outlet and the air outlet for imparting a whirling motion about a horizontal axis to upwardly moving air and causing seed to drop downwardly and through the seed outlet of the chamber while the air and light foreign matter pass upwardly through the air outlet, means at the other side of the chamber from the arcuate wall extending at an incline therefrom intermediate the height thereof for directing upwardly moving air and seed towards the arcuate wall and directing moving seed towards the seed outlet, means for delivering uncleaned seed into the air conduit intermediate the height thereof, means for delivering air into the air conduit below the seed inlet thereof whereby a blast of air moves upwardly through the conduit to carry seed and light foreign matter into the separating chamber while heavy foreign matter drops downwardly through the air conduit, and means for conveying clean seed away from the seed outlet of the chamber, said second and fourth mentioned means comprising longitudinally alined conveyor tubes, shafts in the tubes and being longitudinally alined, said shafts rotating as a unit, and spirally arranged blades on each of the shafts.

2,204,033
EARTH MOVER
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware
Application October 5, 1936, Serial No. 103,972
22 Claims. (Cl. 37—126)



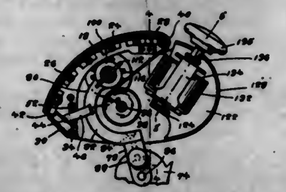
1. An earth mover comprising a frame, ground-engaging members for supporting said frame, a carrier bottom mounted on said frame, carrier sides merging with said bottom, an earth barrier between said sides, supporting links pivoted to said barrier and to said sides, and means supported by said frame and connected to said barrier for positively moving said barrier in both directions along said bottom and out from between said sides in an arcuate path.

2,204,034
AUTOMOBILE LOADING FRAME
Lawson H. Cooper and William J. Nightingale, Flint, Mich., assignors, by mesne assignments, to H. J. Forster, trustee for the Association of American Railroads
Application March 9, 1938, Serial No. 194,892
1 Claim. (Cl. 105—368)



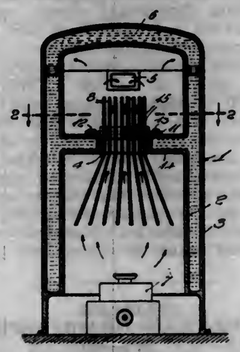
An automobile loading frame including spaced longitudinal members, means including a transverse member connecting said longitudinal members, said member having opposite end portions which are turned upwardly at their outer extremities and an upwardly bowed central portion connecting the opposite end portions, and wheel supporting plates on the end portions of said transverse member overlapping upon the turned up extremities of the transverse member and upon the bowed central portion thereof and conforming thereto so that the wheel plates have a dished formation transversely of the frame.

2,204,035
VIBRATOR HEAD REST
Blythe Decker, Princeton, Ind.
Application December 14, 1938, Serial No. 245,720
1 Claim. (Cl. 128—41)



In a head rest of the type described, a support adapted to be pivoted to different positions about a horizontal axis, a head supporting pad on said support, neck massaging means, electromagnetic means carried by said support, and means for operatively connecting said massaging means with said electromagnet, said support being adjustable to a position for supporting a patient's head on said pad with said massaging means located to massage the neck of the patient, and said support being adjustable to another position for locating the head of the patient on said pad but with said massaging means out of range of the patient's neck.

2,204,036
BAFFLE FOR FURNACES
Abramo Di Filippo, Washington, D. C.
Application July 16, 1938, Serial No. 219,635
1 Claim. (Cl. 110—97)



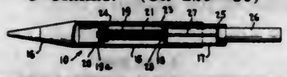
In a heating furnace having a cross partition with a restricted opening for the passage of particles of combustion, furnace heating means, a plurality of flared heat storing baffles supported in said opening and extending above and below the same, spacing means between said baffles, and the lower ends of said baffles being outwardly flared and laterally bent to substantially fill the cross area of the upper portion of the furnace fire box and to be heated by direct contact with the flame of the furnace heating means.

2,204,037
WRAPPING AND PRESENTATION FOR USE OF BATH SALTS, SOAP, AND LIKE PERSONAL TOILET SUBSTANCES
Hans Fernbach, London, England
Application December 15, 1938, Serial No. 246,003
In Great Britain August 18, 1938
3 Claims. (Cl. 41—14)



1. A toilet packing wherein a compact mass of compressed toilet substance is covered by an ornamental wrapping, and the wrapped mass is covered by a sheet of transparent tearable material which is larger than sufficient to cover the mass, and wherein the wrapped mass is supported adjacent one end of a wire stem by twisting and securing the margins of the outer wrapping on to the adjacent end of said stem.

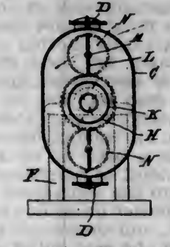
2,204,038
ERASER FEEDING DEVICE
George Findra, New Brunswick N. J.
Application January 5, 1938, Serial No. 183,525
3 Claims. (Cl. 120—36)



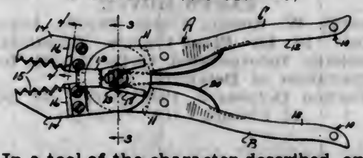
1. An eraser holding device for lead pencils having a hollow casing comprising, a substantially cylindrical-shaped sleeve adapted to be supported within one end of the casing, a tube-like member extending from said sleeve, said tube-like member having a longitudinal slot in one wall thereof, a member supported in the opposite end of said casing having a reduced end and spaced from said sleeve, a hollow cylindrical-member formed with a helical groove supported within said reduced end and receiving said tube-like member therein, means carried by said sleeve for supporting an eraser, and a rod-like member extending longitudinally from said means through said tube-like member and having one end laterally extended for engagement with the helical groove whereby rotation of said sleeve will cause the supported eraser to reciprocate therein.

2,204,039
TREATMENT OF GRAIN, ESPECIALLY WHEAT
Auguste Eugène François, Choisy-le-Roi, France
Application April 22, 1936, Serial No. 75,832
In France April 26, 1935
3 Claims. (Cl. 83—30)

1. An apparatus for the abrasive treatment of grain comprising an outer imperforate cylinder rotatable on a horizontal axis, said cylinder being substantially elliptical in vertical section transverse to said axis and oblong in vertical section parallel to said axis, an inner perforated circular cylinder, abrasive means on the inner surface of said outer cylinder and the outer surface of said inner cylinder, and means concentrically mounting said cylinders for rotation on said axis.

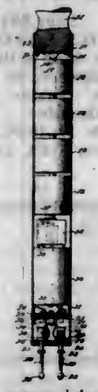


2,204,040
NUT CRACKER
David N. Himes, Hugo, Okla., assignor of forty per cent to Tony Wortham, Hugo, Okla.
Application May 4, 1939, Serial No. 271,793
3 Claims. (Cl. 146—13)



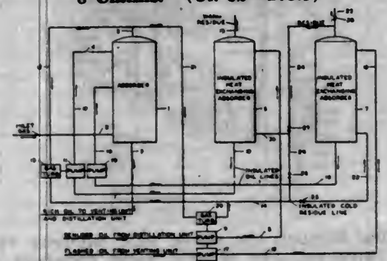
1. In a tool of the character described, opposed thin self-opening blades having confronting saw toothed cutting edges, and supplemental blades carried by said first-named blades and at right angles thereto innermost to their cutting edges and having notch-cutting edges confronting each other, the cutting edges of the first-mentioned blades being reversely beveled to each other to present shallow sharpened pointed serrations at the sides of the said blades next to the supplemental blades.

2,204,041
ELECTRIC ANIMAL PROD
Ernest S. Jefferson, Belhaven, N. C.
Application October 23, 1939, Serial No. 300,888
1 Claim. (Cl. 231—2)



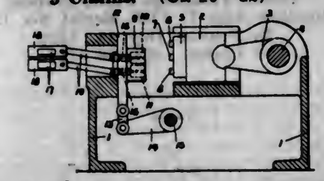
An electric prod comprising a casing, an induction coil in the casing, battery cells in the casing, a circuit including the battery cells and the primary winding of the induction coil, a pair of spaced stationary switch contacts in said circuit, a bridging leaf spring contact centrally secured in the casing and having the ends overlapping and spaced from the stationary switch contacts, and a pair of prod rods mounted for limited sliding movement in the casing and projecting from one end of the casing, said prod rods being connected to the secondary winding of the transformer and forming discharge terminals for said induction coil, said rods when pressed to their limit of movement in the casing by being manually forced against an animal's hide engaging the ends of the leaf spring contact and moving it to circuit closing position with said stationary contacts.

2,204,042
ABSORBENT COOLING SYSTEM
Harold R. Legatski, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 7, 1938, Serial No. 183,921
8 Claims. (Cl. 62—175.5)



1. A process for treating hydrocarbon gas which is under pressure, comprising contacting said gas with an absorption medium in an absorption zone whereby the absorption medium is enriched with said gas, stripping the enriched absorption medium, expanding said gas to cool the same, contacting the stripped absorption medium with the cool gas, and recycling the absorption medium to said absorption zone.

2,204,043
COLD FORGING MACHINE
John Campbell Maccall Maclagan, Leeds, England, assignor to Greenwood & Batley Limited, Leeds, England, a British company
Application January 11, 1940, Serial No. 313,455
In Great Britain January 24, 1939
5 Claims. (Cl. 10—12)



1. A cold forging machine for forming heads on bolts and the like, comprising in combination a reciprocating punch slide, a coning punch carried by the punch slide, two finishing punches carried by the punch slide one on each side of and equally spaced from the coning punch, a die slide, two dies carried by the die slide and spaced apart to correspond with the spacing of the punches on the punch slide, and means for moving the die slide during each return stroke of the punch slide to bring the dies alternately one into register with the coning punch and the other into register with one or other of the finishing punches according to the direction of movement of the die slide.

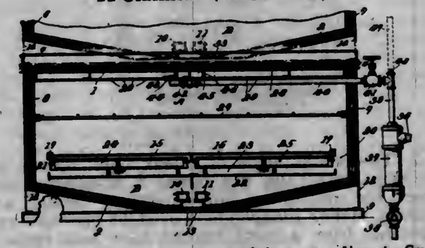
2,204,044
PROCESS AND APPARATUS FOR SULPHUR BLEACHING ANIMAL TEXTILE FIBER
Lindsey H. Mason, Bala-Cynwyd, Pa.
Application February 12, 1938, Serial No. 190,292
10 Claims. (Cl. 8—110)



1. The method of sulphur bleaching textile materials which comprises spreading the material upon a rod-like support and subjecting the spread material in a wet condition to fumes of burning sulphur and blowing air onto said material while it is being subjected to the sulphur fumes.

5. Apparatus for the continuous sulphur bleaching and drying of wet textile material comprising an elongated open ended housing, ventilating outlet dividing said housing into a bleaching and drying chamber, an endless conveyor for conveying said material progressively through said bleaching and drying chambers, means for supplying fumes of burning sulphur to said bleaching chamber in contact with the wet material, and means located ahead of said sulphur fume supplying means and in said drying chamber for blowing air in opposite directions toward said outlet to create a forced circulation through said bleaching chamber.

2,204,045
BAKING OVEN
Edward M. Meacham, Elyria, Ohio, assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application October 11, 1939, Serial No. 299,016
11 Claims. (Cl. 107—55)

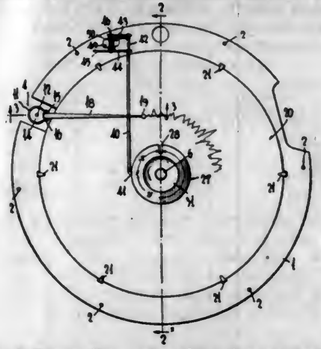


1. A baking oven comprising, a direct fired baking chamber, an outlet flue for said chamber, means to deliver steam simultaneously into the baking chamber and into said flue, and the steam admitted into said flue being directed towards the outlet thereof to accelerate the flue draft.

2,204,046
PEN LIFTING ATTACHMENT FOR RECORDING METERS
James H. Melville, Miami, Fla.
Application April 28, 1939, Serial No. 270,676
8 Claims. (Cl. 234—72)

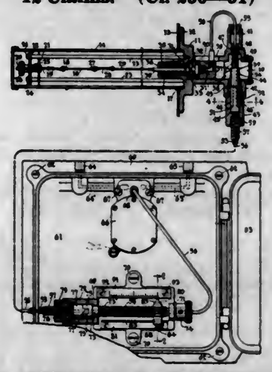
1. In a recording meter having a pen-arm movable in response to variations in measured quantities and chart-supporting and driving means for moving a chart with respect to said pen-arm at a predetermined rate, a pen-arm lifting means constantly biased toward pen-arm lifting position, and retaining means responsive to movement of said chart-driving means for

maintaining said pen-arm lifting means inoperative during predetermined movement of said



chart, and thereafter releasing the same for operation.

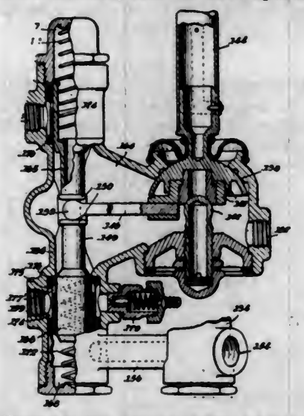
2,204,047
HUMIDOSTAT AND LIKE DEVICES
Carl A. Otto, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 26, 1938, Serial No. 210,216
12 Claims. (Cl. 236—51)



2. The combination of a leak port; means for variably throttling the same; a responsive element for controlling said throttling means; adjusting means independent of fluid pressure and operable from a point remote from said responsive element for varying the position of the leak port whereby its coaction with said throttling means is modified; a fluid pressure relay located at said remote point, said relay being of the type adapted to establish in a branch line a pressure which varies in response to variable throttling of said leak port which forms part of the relay; and a fluid conductor connecting said leak port and said relay.

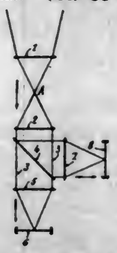
2,204,048
VALVE
Michael J. Phillips, Cleveland, Ohio, assignor to The Glenn L. Martin Company, Baltimore, Md.
Original application March 7, 1939, Serial No. 260,268. Divided and this application November 14, 1939, Serial No. 304,296
6 Claims. (Cl. 251—76)

1. A control mechanism comprising a casing having two elongated control chambers, control valves slidable longitudinally in said control chambers, said control valves terminating short of at least one end of each of said chambers, whereby spaces are left in such ends of the chambers, inlet means into the spaces of each of the chambers to supply fluid under pressure thereto, a metering sleeve spaced inwardly from such ends of the chambers, said valve members having sleeve portions sliding with a tight fit in said metering sleeves, said metering sleeves having apertures therein, each of said apertures ex-



tending through the sleeve wall, whereby when the valve portions of said valve members are moved such apertures are gradually uncovered to permit the flow of fluid through the sleeve, passages connected to the openings in the sleeves, a control portion having an outlet therefrom, means connecting the central portions of each of said control chambers with the space within said control portion, a handle extending into said control portion, and two members extending at angles to each other connecting said handle to said valve members.

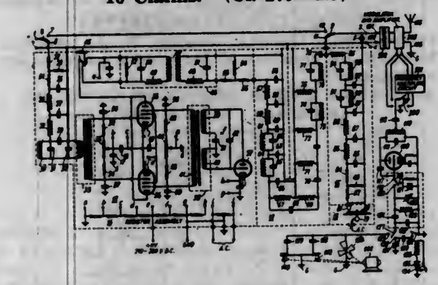
2,204,049
METHOD FOR THE PRODUCTION OF IMAGES WHICH ARE GEOMETRICALLY EQUIVALENT, APPLICABLE TO PHOTOGRAPHY AND TO CINEMATOGRAPHY
Léonti Planskoy, Paris, France
Application July 7, 1937, Serial No. 152,298
In France July 15, 1936
1 Claim. (Cl. 88—16)



A photographing method, which consists in placing two auxiliary photosensitive elements in two planes situated at foci conjugate with a focus common to two invariable optical systems, providing an illuminated uniform background adapted to transmit selectively radiations incident upon it, preventing the passage of the selected radiations transmitted by said background

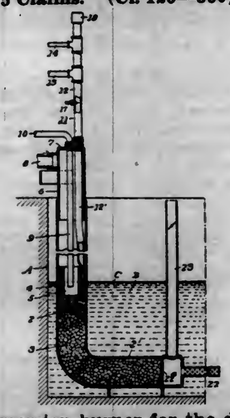
in the first optical system, forming in the plane of said common focus an optical image of an illuminated subject placed before said illuminated background, whereby latent images of said subject are formed on said auxiliary elements with a background having no density on the first element and with a dense background on the second element, developing the latent image with a dense background on the second element, placing again said second developed auxiliary element in the same position in its corresponding plane with respect to the second optical system, illuminating said second developed auxiliary element and redirecting the beam issued from said second optical system through the first optical system whereby another latent image is formed on the first auxiliary element and developing said first auxiliary element, whereby a mask of the subject is obtained on a transparent background, proceeding then successively and in any desired order to the two following steps the one consisting in placing said first element carrying the mask exactly in its former position with respect to said first optical system, disposing in the plane of said common focus a picture of a background scenery, projecting said first auxiliary element through said first optical system and through said picture on a principal sensitive element, and the second consisting in removing said picture and projecting said second auxiliary element through said second optical system on said principal sensitive element, and finally developing said principal sensitive element.

2,204,050
PRIVACY SIGNALING SYSTEM
Ellison S. Purington, Gloucester, Mass., assignor to John Hays Hammond, Jr.
Application November 17, 1938, Serial No. 240,898
13 Claims. (Cl. 179—1.5)



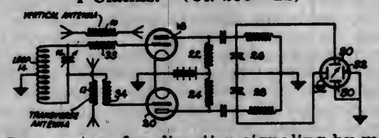
1. A method of signaling which consists in generating a carrier wave, producing a first band of audio frequencies representative of a set of signals, producing a second band of audio frequencies representative of another set of signals, converting the last named band of audio frequencies to another band of related frequencies, simultaneously amplitude modulating the carrier wave in accordance with both said first band of audio frequencies and the converted band of frequencies, transmitting the resultant carrier and upper and lower sets of side bands, intercepting the transmitted energy at a receiving point, detecting the intercepted energy to derive therefrom the signal components, separating out from the resultant energy the signal components due to modulation of the carrier by the first band of audio frequencies and the signal components due to modulation of the carrier by the converted band of frequencies, reconverting the last named signal components to a band of related audio frequencies similar to the second band of audio frequencies and deriving the second set of signals from the reconverted energy.

2,204,051
IMMERSION BURNER
Arch V. Ritts, Allison Park, and Oscar R. Olson, Swissvale, Pa., assignors to Pennsylvania Industrial Engineers, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 2, 1938, Serial No. 217,198
5 Claims. (Cl. 126—360)



1. An immersion burner for the direct heating of liquids comprising a combustion chamber constructed for immersion in a liquid bath, said combustion chamber comprising a metal shell having a refractory mass therein with interstices through the refractory mass through which burning gases may permeate, a burner opening into the combustion chamber, means for supplying air and gas to the burner, said combustion chamber having an opening therein in that portion thereof which is most remote from the burner, which opening is below the normal liquid level of the bath when the burner is immersed, and a pipe also leading from the combustion chamber in that portion which is most remote from the burner to a point above the liquid level of said bath, the location of said opening and pipe being such that the gases and combustion products travel the length of the refractory mass and through the greater portion of the length of the combustion chamber before being discharged.

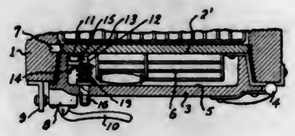
2,204,052
DIRECTIVE SIGNALING
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 6, 1937, Serial No. 141,023
4 Claims. (Cl. 250—11)



1. In a system for directive signaling by means of propagated wave energy having a field which in all directions from the source of propagation, is elliptically polarized and whose electric and magnetic vector is in a plane at right angles

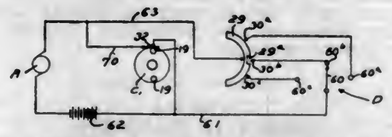
to a line from any selected point to said source, a loop antenna, a pair of electron discharge devices each having a control grid and an output electrode, inductances connecting said loop antenna in push-pull relation between said control grids, linear antennae mounted at right angles to one of said linear antennae on one of said inductances and from another of said linear antennae on another of said inductances, a cathode ray tube having pairs of deflecting plates, and means coupling the output electrodes of said discharge devices to different pairs of said deflecting plates to influence the tube ray in accordance with voltages picked up by said antennae.

2,204,053
REFRIGERATOR LATCH
William F. Dart, Mason, Mich.
Original application March 8, 1934, Serial No. 714,717. Divided and this application October 16, 1935, Serial No. 45,308
2 Claims. (Cl. 292—5)



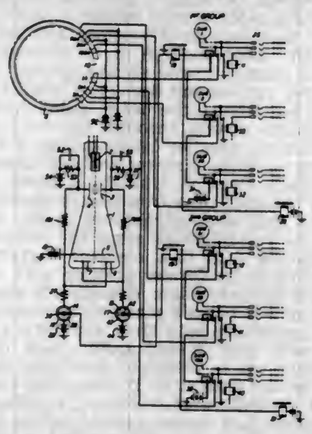
1. Latching means for a pair of doors comprising a latch for the outer of the doors having a pivoted actuating handle, a pull connection having interlocked and released positions extending through said outer door connecting with a keeper on an inner door, a finger piece for said pull connection to the inner door positioned adjacent said actuating handle so that the same may be operated when the handle is manually grasped, all with one hand, and a double acting fastener for said inner door for releasing said inner door when said pull connection is in interlocked position.

2,204,054
REMOTE CONTROL DEVICE
Carl G. Seright, Chicago, Ill., assignor to Bendix Radio Corporation, Chicago, Ill., a corporation of Delaware
Application April 18, 1938, Serial No. 202,611
4 Claims. (Cl. 172—239)



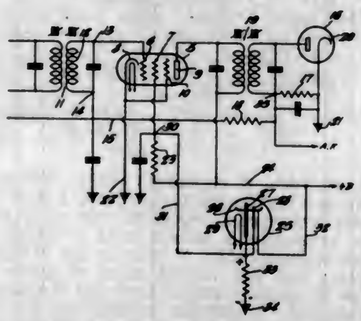
3. In remote control apparatus, a movable control member, a motor, driving mechanism actuated by said motor and effective during certain spaced periods in the operation of said motor for moving said control member in one direction, said mechanism being effective during other of said periods for moving said control member in a reverse direction and being ineffective to move said control member during intervening periods in the operation of said motor, means operable from a remote point for energizing said motor for moving said control member, and means for deenergizing said motor during the first part of the intervening period after said control member has been moved to a predetermined position irrespective of which direction said control member has been moved to said predetermined position.

2,204,055
TELEPHONE SYSTEM
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1938, Serial No. 242,183
14 Claims. (Cl. 179—18)



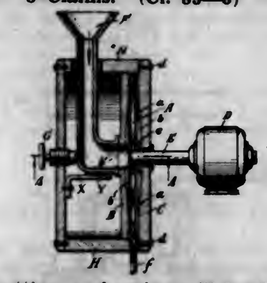
1. In combination, a plurality of lines, a coil for each line, a relay, a circuit for said relay, means for producing an electron beam, and means responsive to the energization of any one of said coils on the seizure of the corresponding line for controlling said electron beam to close said circuit to cause the operation of said relay.

2,204,056
TUNING INDICATOR CIRCUIT
Fred B. Stone, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1938, Serial No. 205,205
12 Claims. (Cl. 250—40)



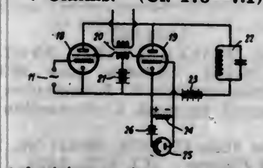
12. The combination with a tuning indicator tube of the cathode ray type having a target electrode, a cathode and a control electrode responsive to a variable D. C. bias potential to vary the pattern of the electron beam indication on said target electrode, of means for applying said potential thereto comprising a screen grid amplifier tube the screen current of which varies with control bias, and a high resistance series control resistor for the screen current thereof connected between the target electrode and control electrode of said indicator tube.

2,204,057
PULVERIZING MILL
Paul Swartz, Mamaroneck, N. Y.
Application June 15, 1937, Serial No. 148,338
8 Claims. (Cl. 83—8)



4. In a cutting or shearing mill for finely comminuting material, the combination with an enclosed casing, a pair of radially grooved non-rotatable surfaces mounted in said casing in spaced parallel relationship, a slotted disk rotatably mounted between said surfaces, the slots and grooves terminating short of the peripheries of said disks to provide flat surfaces on said disks in close proximity to each other, said slots and grooves being in shearing relationship with each other, means for feeding material into the slots at the center of said disk and means for rotating the same.

2,204,058
SIGNALING SYSTEM
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 10, 1936, Serial No. 110,036
In Germany November 11, 1935
7 Claims. (Cl. 178—7.1)

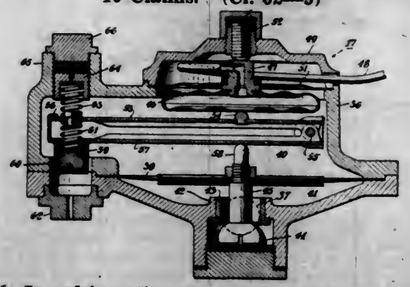


1. In a television system, the method of transmission of signals representative of an image of an object to be transmitted, which comprises the steps of developing carrier wave energy, transmitting the carrier wave energy over two different paths, obtaining the difference between the energies transmitted over the said two paths, regulating the difference of the energy in accordance with the average light value of the object whose image is to be transmitted, and varying the regulated energy in accordance with the instantaneously changing light values of the elemental areas of the object of which the image is to be transmitted.

2,204,059
PROCESS FOR CRYSTALLIZING ORGANIC EXPLOSIVE COMPOUNDS
Marshall F. Acken, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 23, 1936, Serial No. 107,147
10 Claims. (Cl. 260—467)

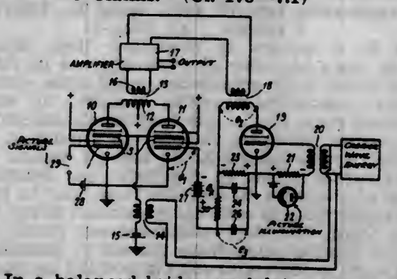
8. The process for the formation of a coarse crystalline pentaerythritol tetranitrate product containing a substantial proportion of crystals which fail to pass through a 150-mesh screen, which process comprises forming a substantially neutral solution of pentaerythritol tetranitrate in a neutral organic solvent miscible with water, establishing an elevated temperature in said solution, and gradually cooling and diluting said solution by the gradual addition of cold water thereto.

2,204,060
REFRIGERATION
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 22, 1937, Serial No. 181,091
10 Claims. (Cl. 62—5)



1. In refrigeration apparatus including a cooling element and a heat receiving part, a fluid fuel burner for heating said part, a valve for controlling flow of fluid fuel to the burner, means operated by pressure of fluid fuel on the discharge side of said valve to move said valve toward its closed position, means operative in response to a temperature condition affected by said cooling element, and means for transmitting force resulting from movement of said temperature responsive means to cause movement of said valve toward its open position in opposition to said fuel pressure operated means, said transmitting means being effective to transmit forces only up to a predetermined maximum, whereby the pressure on the discharge side of said valve cannot exceed said maximum.

2,204,061
MODULATOR CIRCUIT
Robert Andrieu, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 2, 1936, Serial No. 113,762
In Germany November 30, 1935
8 Claims. (Cl. 178—7.1)



1. In a balanced bridge modulator, the method of varying the sensitivity of the bridge which

comprises deriving from the bridge carrier wave energy modulated by signalling energy representative of an optical image to be transmitted, rectifying a portion of the derived carrier wave energy, controlling the rectification in accordance with the average value of illumination of the optical image to be transmitted, and varying the balance of the bridge in accordance with the rectified portion of the derived carrier wave energy.

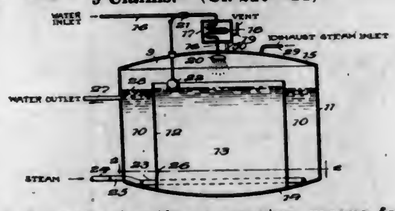
2,204,062

WATER DEAERATOR AND PURIFIER

Samuel B. Applebaum, New York, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

Application July 10, 1937, Serial No. 153,031

9 Claims. (Cl. 210—14)



1. In water treating apparatus, means for removing gases from a flow of water, comprising in combination a casing, partition means within the casing defining an annular chamber and defining an inner chamber surrounded by the annular chamber, said chambers being in open communication at the top, vented condenser means for preheating a flow of water by condensation of steam therein, means for feeding the preheated water into the apparatus and distributing it over the top portion of the inner chamber, conduit means for delivering steam from the interior of the casing to said preheating means, said partition means being provided with a water passage adjacent its bottom to provide communication between the inner chamber and the annular chamber, outlet means for the annular chamber, cross partition means in the annular chamber so constructed and arranged as to cause water to pass circuitously around the annnular chamber from said water passage to said outlet means, an annular steam heating coil near the bottom of the annular chamber and means for introducing steam into said coil.

2,204,063

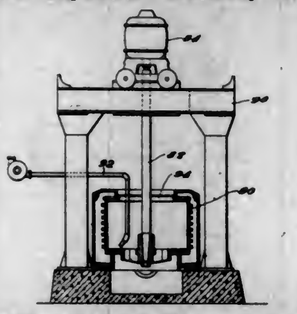
METHOD OF PRODUCING CLEAN WET-GROUND MICA

Francis Clarke Atwood, Newton, Mass., assignor to Atlantic Research Associates, Inc., Wilmington, Del., a corporation of Delaware

Application July 17, 1937, Serial No. 154,133

2 Claims. (Cl. 233—1)

1. In a process of preparing finely divided clean mica particles of a few microns in thickness suitable for reinforcing paint films without being substantially visible therein, in which process mica and a relatively small amount of impurities adhering thereto are ground in the presence of a carrier liquid and an organic deflocculating agent to facilitate the delamination of the mica to said thickness and to place said impurities in colloidal suspension in the carrier liquid, the step comprising separating said finely divided mica from the slurry containing the same as the major solid ingredient by a batch centrifuging operation in which a quantity of the slurry is subjected in a solid wall centrifuge to centrifugal force of a magnitude and for a sufficient time to produce and retain a compact solid layer of the finely divided mica and to effect an expulsion from said layer of carrier liquid and impurities colloidally suspended



therein, said centrifuging being unaccompanied by agitation within the liquid, continuously discharging liquid and impurities from the centrifuge bowl, and removing the separated mica from the centrifuge prior to the centrifuging of an additional quantity of the slurry.

2,204,064

EQUINE ENCEPHALOMYELITIS VACCINE

Joseph W. Beard, Durham, N. C.

No Drawing. Application May 13, 1938, Serial No. 207,685

6 Claims. (Cl. 167—78)

2. An equine encephalomyelitis vaccine composition comprising inactivated fowl embryo tissue which had been diseased with equine encephalomyelitis, said composition being capable of immunizing horses against equine encephalomyelitis without substantially inducing the disease.

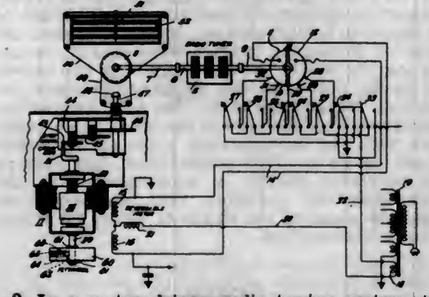
2,204,065

MOTOR DRIVEN TUNING SYSTEM

Harold H. Beizer, Camden, and William E. Newman, Moorestown, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application June 17, 1938, Serial No. 214,390

4 Claims. (Cl. 172—239)



2. In a motor-driven radio tuning system, the combination of a drive shaft, tuning means having a movable element connected with the shaft and operative at a lower speed than the drive shaft, electrical means including an adjustable device for deenergizing the motor at a preselected position in the tuning movement of said element and for energizing said motor to move said element toward said position from either side thereof, a flywheel device frictionally coupled to and driven by the motor whereby said device is adapted to coast when said motor reverses the direction of rotation, to provide a braking load for and to reduce the speed of the motor in reverse, means providing a clutch in the connection between the motor and the movable tuning element, said clutch having an operating element connected with the flywheel device to move conjointly therewith axially in response to energizing and deenergizing of the motor, whereby the axial inertia of said device tends to resist momentarily the operating movement of said clutch element.

2,204,066

PRESERVATION OF FIBROUS CELLULOSIC MATERIAL

Ernest R. Boller, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 22, 1937, Serial No. 149,697

2 Claims. (Cl. 92—21)

1. In a process for preserving felted cellulosic products wherein a preservative is incorporated in a felted product in the wet end of a felting process, the steps comprising forming a pulp slurry containing zinc chloride and sodium dichromate in an amount equivalent to at least about 0.8 per cent on the basis of the dry weight of the pulp, heating the slurry at a temperature of about 150° F. or more for a time sufficient to cause a substantial portion of the zinc and chromium to be fixed to the fibers and forming a felted product therefrom.

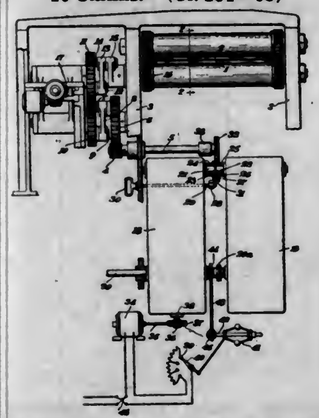
2,204,067

CUTTING MACHINE

Hobart W. Bruker, Bordentown, N. J., assignor to George W. Swift, Jr. Inc., Bordentown, N. J., a corporation of New Jersey

Application December 21, 1938, Serial No. 247,005

10 Claims. (Cl. 164—68)



1. A cutting machine of the class described having in combination a cutter, means for progressively feeding material to be cut past said cutter, mechanism for regulating the cutting speed of the cutter to conform to different lengths of cut, said machine including a plurality of variable speed transmissions respectively adjustable to afford different lengths of cut, and means whereby said transmissions may be selectively connected into working relation with the cutter while the machine is running.

2,204,068

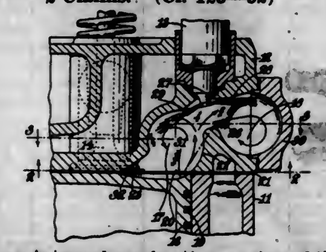
INTERNAL-COMBUSTION ENGINE OF THE FUEL-INJECTION COMPRESSION-IGNITION TYPE

Charles Wallace Chapman, Peterborough, England, assignor to F. Perkins Limited, Peterborough, England, a British company

Application May 24, 1939, Serial No. 275,417

In Great Britain July 14, 1938

2 Claims. (Cl. 123—32)



1. In an internal combustion engine of the type described, the combination of an engine cylinder, a head therefor, first and second swirl-type combustion chambers close together in the head, the first of said chambers communicating directly with the cylinder through a port so located that gases entering said chamber from the cylinder swirl around the walls of the chamber, the said chamber having also a transfer port between the chambers spaced from said first port along the wall of said first chamber so that gases circulating in the first chamber may divide and part of them pass into the second chamber and swirl therein, and a fuel injector the tip of which is located within the chambers at said transfer port approximately between the paths of the gases where they are divided and having jets to direct fuel in two directions one with the stream of gas circulated in the first chamber and the other with the stream of gas circulated in the second chamber.

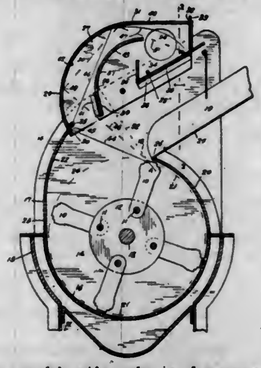
2,204,069

METAL TRAP FOR HAMMER MILLS

Walter J. Clement, New Hartford, N. Y., assignor to The Bossert Company, Inc., Utica, N. Y., a corporation of New York

Application September 9, 1937, Serial No. 163,058

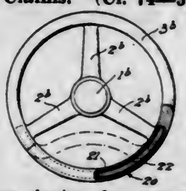
5 Claims. (Cl. 83—11)



1. The combination in a hammer mill of a series of revolubly mounted hammers, a casing thereabouts having a screen in its lower portion and an inlet in its upper portion, a feed chute slanting downwardly into said inlet and delivering the material to be milled in the same

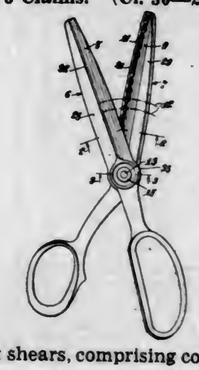
general direction as the travel of the hammers when passing the inlet, a receptacle for receiving heavy foreign material above the upper part of the chute and an enclosed passage beginning after the chute and above said inlet and leading upwardly and rearwardly to said receptacle, the side of said passage farthest from the chute being formed by a deflector having its lower portion approximately in line with the length of the passing hammers and, as it extends upwardly, being curved rearwardly relative to the line of travel of the incoming material the uppermost part of said deflector facing downwardly and forming the top wall of the passage and the top wall of the chamber of said receptacle and being spaced up from and directly over said receptacle, said deflector being the first surface engaged by heavy foreign material after the said incoming heavy foreign material is struck and diverted by the rotating hammers, said deflector operating to deflect said heavy foreign material upwardly and rearwardly through passages otherwise occupied only by partly milled material and directly into said receptacle said uppermost part of said deflector by facing downwardly and being directly over said receptacle allowing heavy material reaching only that part to drop into said receptacle by gravity.

2,204,070
STEERING DEVICE
Guy S. Crockett, Moreland Hills, Ohio
Application May 13, 1939, Serial No. 273,523
7 Claims. (Cl. 74—552)



1. A steering device for automotive vehicles comprising a unit adapted for attachment to the steering post of the vehicle in a given relation thereto, the peripheral portion of said unit being substantially rigid throughout a material part of its circumference and yielding for the remainder thereof, the yielding part being in opposed relation to the driver's seat when the steering wheels of the vehicle are in substantially straight-ahead position.

2,204,071
PINKING SHEARS
Charles J. Dalley, Maplewood, N. J.
Application January 27, 1939, Serial No. 253,074
3 Claims. (Cl. 30—230)

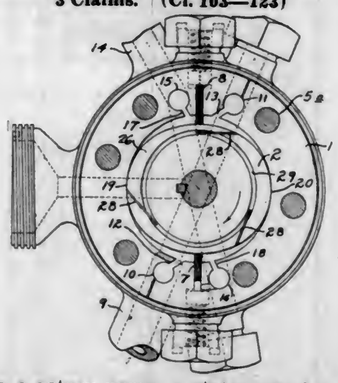


1. Pinking shears, comprising companion blades of substantially V-shaped cross-section, each blade consisting of convergently inclined connected walls forming a longitudinal V-shaped trough at one side and a longitudinal V-shaped ridge at the opposite side of the blade, said blades being disposed with the trough faces of the same in opposition, means pivotally connecting said blades in such relation with one inclined wall of each V-shaped blade inclined inwardly in the direction of cutting movement toward a common intermediate shearing plane between the blades and said inwardly inclined walls having complementary pinking teeth on the edges of the same extending beyond said common intermediate plane in overlapping relation and in arcuate form, substantially concentric to the axis of pivotal movement.

2,204,072
SEPARATION OF ISOTOPES
John G. Dean, Birmingham, N. J., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 25, 1938, Serial No. 210,084
9 Claims. (Cl. 23—1)

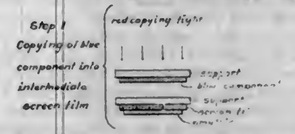
9. A process for changing the normal ratio of isotopes of an element contained in the cation of a salt which comprises contacting a solution containing such salt having normal ratio of isotopes with extensive surfaces of a zeolitic material having a selective affinity for an isotope of the element, separating the solution from the zeolitic material, and segregating a portion of the solution containing isotopes of the salt in a ratio changed from the normal ratio.

2,204,073
ROTOR CONSTRUCTION FOR ROTARY PUMPS
John Duval Dodge, Detroit, Mich., assignor to Dodge Emulsor Corporation, Detroit, Mich., a corporation of Michigan
Application August 5, 1938, Serial No. 223,187
3 Claims. (Cl. 103—123)



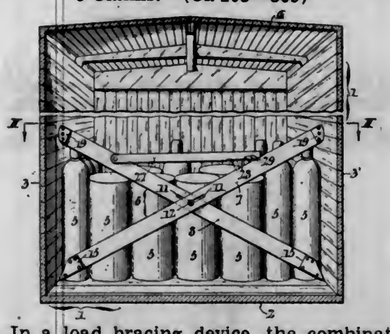
1. In a rotary pump, a stator member and a rotor member, the stator having a cylindrical recess forming a chamber of circular form having flat side walls, the rotor being positioned in the recess of the stator and having an oval periphery the long diameter of which is substantially equal to the diameter of the recess and contacting the same at diametrically opposite points, an inlet conduit having two openings to the chamber one on each of the diametrically opposite sides thereof and an outlet conduit likewise having two openings to the said chamber one on each of the diametrically opposite sides thereof, the inlet and outlet openings on each of the opposite sides of the recess being in spaced relation, a spring pressed blade on each of the diametrically opposite sides of the recess between the respective inlet and outlet openings and riding in contact with the rotor periphery, the opposite side walls of the rotor being substantially in contact with the side walls of the stator, the two walls of one of the members having a groove each provided with openings leading to the periphery of the rotor and permitting liquid under pressure to pass from the chamber between the periphery of the rotor and the periphery of the chamber into the grooves and to be spread over the contacting surfaces of the rotor and stator walls by rotation of the rotor.

2,204,074
PHOTOGRAPHIC PRINTING
John Eggert, Leipzig-Gohlis, and Gerd Heymer, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application May 11, 1936, Serial No. 79,171
In Germany May 11, 1935
6 Claims. (Cl. 95—2)



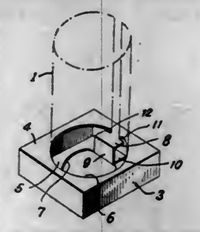
1. A process of producing colored prints on a multi-layer film which comprises printing all partial color pictures made from an object on a screen film and printing the partial color pictures from the screen film on the multi-layer film.

2,204,075
LOAD BRACING DEVICE
William F. Eisensmith, Penns Grove, N. J.
Application July 21, 1939, Serial No. 285,688
6 Claims. (Cl. 105—369)



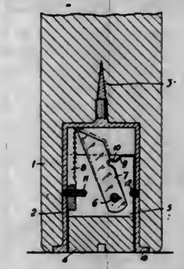
1. In a load bracing device, the combination of counteractive complemental intersecting members disposed normal to the direction of the load thrust, each said member having a point engaging end and an arcual end for engaging opposed walls, means pivotally connecting said members medially of their length with capacity for relative movement, a retainer device mounted on and intermediate the pivotal connection and the outer end of one of said members, and an arrestor means carried by the other member for adjustable engagement by the retainer device.

2,204,076
DISPLAY DEVICE
Walter S. Enoch, New York, N. Y.
Application October 26, 1939, Serial No. 301,311
4 Claims. (Cl. 40—126)



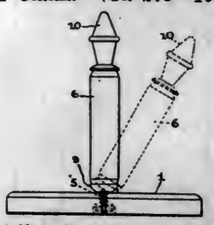
1. A display device comprising, in combination, a cylindrical member and a base therefor, said base being hollow and provided with an aperture in its top panel, a tab extending forwardly into said aperture, and notches formed in the sides of said tab to engage and hold the longitudinal edges of said cylindrical member.

2,204,077
LEG FOR FURNITURE
Frans Wiktor Eriksson, Vasteras, Sweden
Application November 4, 1937, Serial No. 172,679
In Sweden October 7, 1936
6 Claims. (Cl. 45—139)



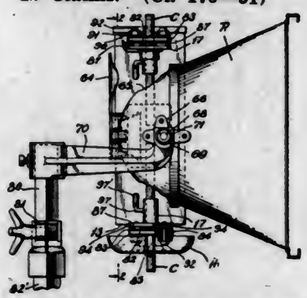
1. In means for automatically adjusting the length of a furniture leg, the combination of a hollow sleeve member carried on the end of the furniture leg, an inner support member having a floor engaging portion slidable within said sleeve member, a rack carried by said sleeve member, a pawl on said inner support member normally engaging said rack to prevent upward displacement of said inner member relative to said sleeve, a holding member carried by said inner member, an abutment carried by said sleeve member intermediate its ends and at the lower extremity of said rack engageable with said pawl to lift said pawl out of contact with said rack and into locking engagement with said holding member when said support member reaches its extreme outer position relative to said sleeve member, and a second abutment on said sleeve member adapted to engage and move said pawl into engagement with said rack when said inner member reaches its extreme retracted position upon upward movement thereof relative to said sleeve member, said holding member retaining said pawl out of contact with said rack during the upward movement of the support member, the said combination cooperating to adjust the length of a furniture leg upon movement of said sleeve member relative to said support member.

2,204,078
TOY
Ferdinand F. Ferrary, Brooklyn, N. Y., assignor to J. Pressman & Co., Inc., Brooklyn, N. Y., a corporation of New York
Application December 30, 1938, Serial No. 248,388
1 Claim. (Cl. 273—104)



A device of the character described comprising a supporting base member having cut therein an aperture, an anchoring staple mounted in said base and spanning said aperture, a single target pin having disposed in its lower end a coil spring attached to said anchoring staple arranged to permit the circumferential rotation of said target pin when struck with a quoit, said spring being adapted to reset and stop the movement of said pin after being encircled or struck by a quoit thrust at it.

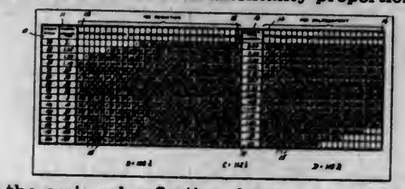
2,204,079
ARC LAMP
Joseph Gelb, New York, N. Y.
Application October 21, 1936, Serial No. 106,732
12 Claims. (Cl. 176—51)



1. In combination, a frame comprising a yoke having forwardly extending arms, trunnions journalled in said arms, a unitary device carrying said trunnions and comprising: a reflector for housing opposed electrodes and including an opening, balanced pivoted means carrying said electrodes and adapted to move the electrodes within a single path intersecting the reflector transversely thereof, and electrically controlled means for separating said electrodes; means for holding said device in a tilted position relative to said frame, and a flame protecting shield disposed adjacent said opening.

2,204,080
METHOD FOR THE PRODUCTION OF SCREEN NEGATIVES
August C. Hansch and Henry E. Hansch, Whippany, N. J.
Application June 24, 1938, Serial No. 215,554
8 Claims. (Cl. 95—5)

8. In the art of screen photography, a method of determining exposure values for the detail, highlight and middletone zones of an original which includes the use of detail, highlight and middletone lens stop openings, the middletone lens stop opening for predominantly recording the tonal values of the middletone zone being twice the size of the detail stop opening employed for predominantly recording the tonal values of the detail zone and one-half the size of the highlight stop opening employed for predominantly recording the tonal values of the highlight zone; ascertaining the tonal range of the original by selecting the darkest and lightest tones thereof and comparing the said tones with an instrumentality having a plurality of tones graduated from the darkest to the lightest tones to determine which of said tones of the instrumentality correspond with the darkest and lightest tones of the original; assigning graduated reflection density values to the several tones of the instrumentality; ascertaining exposure values for each of the tones of the instrumentality proportionate



to the assigned reflection density values; ascertaining the reflection density values of the tones of said instrumentality which correspond with the darkest and lightest tones of the original and from these reflection density values and the respective sizes of the detail and highlight stop openings ascertaining the exposure values for the detail and highlight zones of the original; ascertaining the reflection density value of the tone of said instrumentality located centrally between the tones of said instrumentality which correspond with the darkest and lightest tones of the original and from said reflection density value and the size of the middletone stop opening ascertaining the exposure value for the middletone zone; then utilizing these exposure values in arriving at exposure intervals for said zones and exposing a light sensitive emulsion to the said original for the several intervals of time through the respective stop openings.

2,204,081
FOLDING TABLE
Clennie B. Harrell, Metropolis, Ill., assignor to Metropolis Bending Company, Metropolis, Ill., a corporation of Illinois
Application October 22, 1938, Serial No. 236,479
1 Claim. (Cl. 311—99)



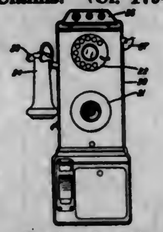
The combination, with a table top and side rails forming a corner, of a mounting secured in said corner, said mounting comprising inner and outer side members extending substantially parallel with one of said rails, a leg pivotally mounted at its upper end between the said members, a pin carried by the inner side of said leg, a latch plate pivotally supported on the inner side member of said mounting having a notch extending upwardly from the bottom thereof adapted to receive the said pin when the leg shall have been fully opened or extended, the said latch plate having an inclined surface arranged to be engaged by the pin in advance of the said notch thereby to rock the latch plate upwardly, an operating handle connected with said latch plate and extending beneath the other of said rails, said other rail having a recess extending upwardly from the bottom thereof, a coiled spring confined within said recess and having its lower end engaging the top of the said handle, said recess being shaped to permit the upward movement of the operating handle therein.

2,204,082
FISHING REEL
Otto Hense, Philadelphia, Pa.
Application October 18, 1938, Serial No. 235,654
2 Claims. (Cl. 242—84.5)



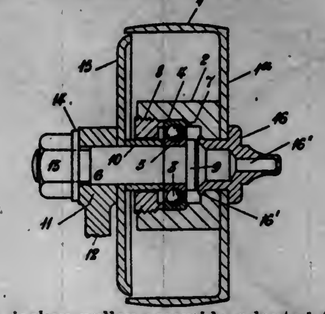
1. In a fishing reel, in combination, a pair of end plates, a spool rotatable therebetween, a handle for effecting rotation of said spool, a friction drag mechanism, a ratchet and pawl mechanism and associated with said friction drag mechanism normally operative to permit rotation of said spool freely in one direction and against the friction of said drag mechanism in the other direction, a lever pivoted upon the external face of one of said end plates, means intervening said lever and pawl for disconnecting the latter from its ratchet upon operation of said lever whereby to permit free rotation of said spool in either direction, and spring means for throwing said lever in one or the other of two extreme positions to insure the pawl being either positively engaged with or positively disengaged from its associated ratchet.

2,204,083
COIN COLLECTOR
Frederick A. Hoyt, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 29, 1938, Serial No. 187,640
19 Claims. (Cl. 179—6.3)



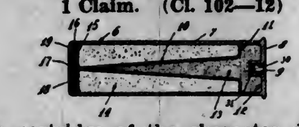
1. In a coin collector housing, a coin runway for receiving a coin of one denomination, a coin runway for receiving a coin of a different denomination, a coin trap adapted to receive coins from both of said runways, means for temporarily preventing a coin received in one of said runways from reaching said coin trap, and means controlled by a second coin in one of said runways for rendering said preventing means ineffective.

2,204,084
JOCKEY PULLEY
John Hughes, Rochdale, England
Application June 24, 1938, Serial No. 215,648
In Great Britain June 26, 1937
3 Claims. (Cl. 308—18)



1. A jockey pulley assembly adapted to be attached to a supporting bracket, and including, in combination, a pulley proper of dished form having an integral web, a hollow hub formed separately from and rotatable with said pulley proper, said hub housed within said pulley proper with its inner face abutting on the inner face of said web, a combined flanged bush and lubricating nipple axially penetrating said web and the adjacent end of said hub, said bush having a flange abutting on the outer base of said web and the inner end of said bush being pressed over to engage said hub, whereby to secure firmly together said pulley proper and said hub, a stub-shaft terminating within said hub, an inner bearing race removably held on said shaft, an outer bearing race, means engaging said hub removably holding said outer race within said hub, anti-friction bearing elements accommodated between said races, a spacer tube surrounding said shaft and adapted to abut at its inner end on said inner race, a dust cover strung on said shaft and interposed between said bracket and said spacer tube, and a nut on the outer end of said shaft for clamping solidly together said shaft, said inner race, said spacer tube, said dust cover, and said bracket.

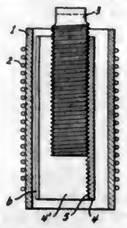
2,204,085
CARTRIDGE
Rex A. Hunter, Derry, Pa.
Application August 21, 1936, Serial No. 97,227
Renewed November 30, 1938
1 Claim. (Cl. 102—12)



In a cartridge of the character described, a casing open at one end; a primer socket positioned in the other end of said casing and having an aperture leading within said casing; a primer within said primer socket; a conoidal container of combustible material in said casing having a pointed, closed apex and an open base, and filled with a propellent charge; means to centrally retain the open end of said conoidal container at the bottom of said casing with its contents in direct exposure to said aperture, and means to retain the pointed end of said container centrally of said casing, said latter means comprising a circular disc snugly fitting within the open end of said casing and provided with a cen-

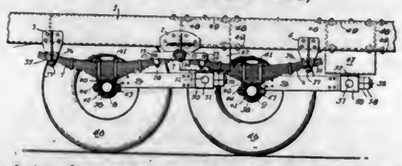
tral dent, the pointed apex of said container fitting snugly within said dent so as to prevent accidental displacement of said container.

2,204,086
RADIO FREQUENCY WINDING WITH IRON CORE
Leone Kamenarovic, Milan, Italy, assignor to Radio Corporation of America, a corporation of Delaware
Application January 11, 1939, Serial No. 250,320
In Italy April 9, 1938
4 Claims. (Cl. 74—424.8)



1. In a holder for an adjustable screw-threaded core member, a sleeve, a resilient channel member mounted within said sleeve, said channel member and sleeve reacting upon one another so that the channel member is held snugly within the sleeve, the sides of said channel member forming a hollow prism within which the core is located, at least one internal face of one of the sides of said prism having formed thereon means cooperating with the screw threads of the core member, one of said other sides of the prism being arranged to exert upon the core member sufficient pressure to keep the screw threads in said core member in mesh with said cooperating means.

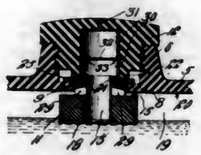
2,204,087
TANDEM AXLE ASSEMBLY
Milton J. Konetsky, San Francisco, Calif.
Application July 23, 1937, Serial No. 155,256
7 Claims. (Cl. 280—124)



1. A tandem axle assembly comprising a chassis, a pair of leaf springs disposed on each side of the chassis, a frame for each pair and having a slidable connection with the adjacent ends of the leaf springs and a pivotal connection with the chassis, means slidably connecting the other ends of the leaf springs with the chassis, a pair of axles, each axle being rotatably connected to the centers of the leaf springs, a radius rod connected to each axle, and means connecting each radius rod to the chassis for permitting the axles to freely move toward and away from the chassis and to permit either end of each axle to move independently of the other end.

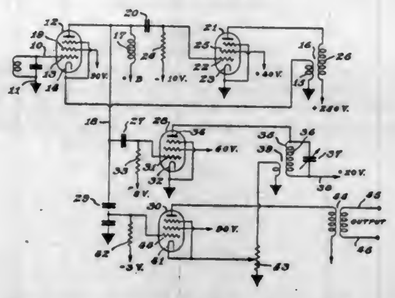
2,204,088
CLOSURE DEVICE FOR BATTERY BOX COVERS
Keith K. Kugler, Culbertson, Nebr., assignor to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application March 25, 1939, Serial No. 264,253
3 Claims. (Cl. 136—178)

3. A closure device for a battery box adapted to contain liquid up to a predetermined level and having at its top a cover provided with a vertical hole with an inwardly extending horizontal shelf-like flange at the lower part thereof, there being a gas-receiving space below the cover and above the level of the liquid, said closure device comprising a resilient valve sleeve mounted in the hole with circumferential portions of its exterior respectively in engagement with the upper and lower surfaces of the flange, the lower part of the sleeve extending a substantial distance below the flange and the upper part thereof projecting upwardly beyond the flange, the sleeve having vent passages leading from its hollow interior to a point superjacent to the portion of its



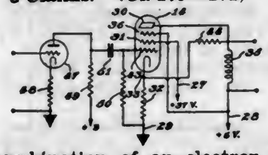
exterior in engagement with the lower surface of the flange and being sealed thereby from the gas-receiving space, and a removable vent cap for closing the upper end of the hole in the cover, said vent cap and the upper part of the hole in the cover having cooperating means whereby the cap may be moved downwardly in the hole to engage with and distort the sleeve to disengage the sleeve from the lower surface of the flange to uncover the outer ends of the vent passages therein and thereby establish communication through them between the gas-receiving space and the interior of the sleeve, said vent cap having a vent communicating with the interior of the sleeve.

2,204,089
NOISE REDUCTION SYSTEM
Vernon D. Landon, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1938, Serial No. 222,140
4 Claims. (Cl. 179—171)



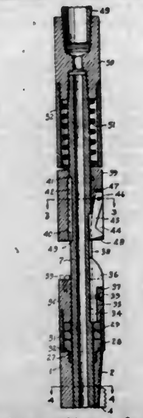
1. The combination of a signal amplifier provided with input and output circuits, means including a feedback amplifier biased beyond cut-off and arranged between said output and input circuits for applying to said input circuit a degenerative potential only when the signal level at said input circuit exceeds a predetermined value, an electron discharge device provided with an input circuit biased beyond cut-off and coupled to the output circuit of said signal amplifier, and means for deriving the resultant difference of the outputs of said signal amplifier and said device.

2,204,090
NOISE REJECTING LIMITER SYSTEM
Vernon D. Landon, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1938, Serial No. 222,141
8 Claims. (Cl. 179—171)



1. The combination of an electron discharge device including a cathode, an anode and a plurality of grids, means for applying electrical impulses to one of said grids, means for applying a relatively low potential to said anode, means for applying a relatively high potential to another of said grids, and a resistor connected in series with said cathode whereby the cathode-anode current of said device is reduced when the level of said impulses increases above a predetermined value.

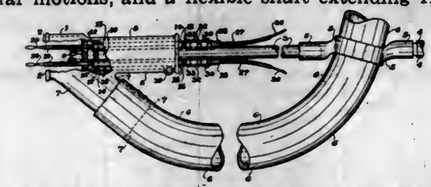
2,204,091
INSIDE PIPE CUTTER
George A. Lowrey, Houston, Tex.
Application February 13, 1939, Serial No. 256,109
5 Claims. (Cl. 164—0.7)



5. An inside pipe cutter adapted to cut by rotation shaped to enter a pipe in a well and comprising a cutter head adapted to be secured to an operating string, a cutter mounted on the head movable outwardly into active position in cutting relation with the pipe and movable inwardly into inactive position, cutter actuating means for moving the cutter into said active position upon downward movement of the head relative to the actuating means, yieldable means acting against the head and effective to hold the cutter yieldingly against the work and means effective to lock the head against subsequent downward movement relative to the cutter actuating means, upon upward movement of the head.

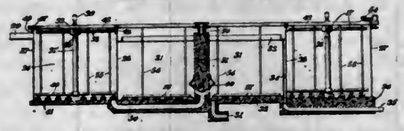
2,204,092
APPARATUS FOR PICKING COTTON
Hans P. Luhn, North Tarrytown, N. Y., assignor to John W. Geary, Jr., Houston, Tex.
Application December 15, 1938, Serial No. 245,842
42 Claims. (Cl. 56—37)

1. A cotton-picking machine comprising a picking device having a linearly and angularly reciprocable picking tool, a structure movable to different picking locations, a motion generator on said structure for producing linear and angular motions, and a flexible shaft extending from



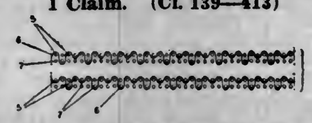
said motion generator to said picking device to transmit said linear and angular motion to said tool thereof and to permit use of said device within a substantial area for each location of said structure.

2,204,093
MECHANICAL AERATOR
Edward B. Mallory, Tenafly, N. J.
Application May 18, 1938, Serial No. 208,527
4 Claims. (Cl. 259—95)



1. A mechanical aerator of the class described including a chamber having outer and inner walls disposed substantially symmetrically about a central axis, means for feeding mixed liquor into said chamber and for withdrawing mixed liquor therefrom, an upwardly extending draft conduit disposed in said chamber, means for circulating mixed liquor through said conduit, mixed liquor conducting members communicating with said draft conduit and having openings communicating with the bottom portion of said chamber at points spaced between said walls, means for moving said draft conduit and liquid conducting members angularly substantially about said central axis to cause the aforesaid openings of said liquid conducting members to travel through the bottom portion of said chamber, and means affording passage of mixed liquor between the upper portion of said draft conduit and the upper portion of said chamber.

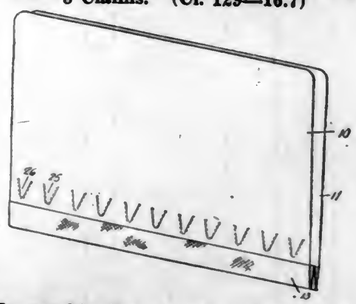
2,204,094
LINING FOR GARMENTS
Edwin E. Meier, Hawthorne, N. J., assignor to William Skinner & Sons, a common-law trust of Massachusetts
Application September 24, 1938, Serial No. 231,455
1 Claim. (Cl. 139—413)



A lining for garments having a woven, lustrous and wear-resisting outer face and a warmth-retaining inner face, consisting of a set of face filling threads of lustrous and durable material, a set of back filling threads of warmth-retaining material, and a single set of warp threads of material similar to the face filling threads, said warp threads being interlaced at frequent intervals with the face filling threads and only at infrequent intervals with the back filling threads,

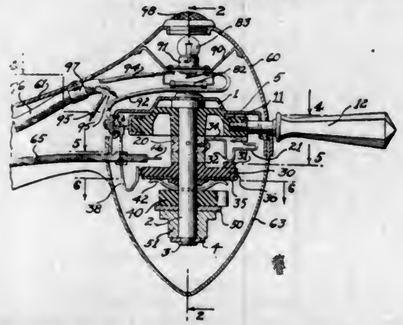
so that the face of the fabric will have a minimum of face floating threads, whereas the back has an optimum of floating filler threads.

2,204,095
FOLDER
John H. McLaren, New York, N. Y.
Application January 13, 1940, Serial No. 313,655
8 Claims. (Cl. 129—16.7)



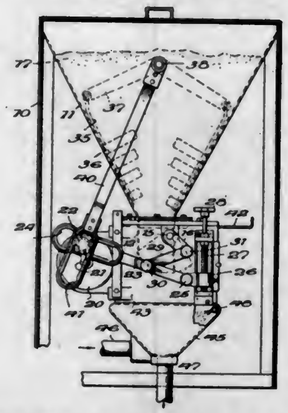
1. In combination, a pair of sheets of relatively stiff material and a connecting strip of flexible woven material secured at its edges to adjacent edges of the sheets, said flexible strip being disposed with its threads bias to the connected edges of the sheets.

2,204,096
UNITARY SIGNAL SWITCH
Herbert E. Metcalf, Walnut Creek, Calif., assignor to E. H. Kueffer, Oakland, Calif.
Application December 27, 1938, Serial No. 247,815
2 Claims. (Cl. 200—59)



1. A vehicle signalling switch comprising a hollow casing, a support for said casing, a stationary axle in said casing, a manual disc mounted to rotate on said axle, arm means projecting through said casing for rotating said manual disc over a predetermined arc, make and break means operated by movement of said manual disc to either end of said arc, resilient means for centering said manual disc and said arm in said arc, a mechanical latch cooperating with said manual member to hold said member in position at either end of said arc and mounted on said axle, an automatic disc mounted on said axle and cooperating with said mechanical latch to release said manual member after a predetermined arc of rotation in either direction, an oscillating member mounted on said shaft adjacent said automatic disc, a friction clutch connecting said oscillating member and said automatic disc, means for limiting the rotation of said oscillating member and make and break means operated by movement of said positively rotated member and said oscillating member.

2,204,097
VOLUMETRIC FEEDER
James M. Montgomery, New York, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application July 15, 1937, Serial No. 153,842
10 Claims. (Cl. 210—29)

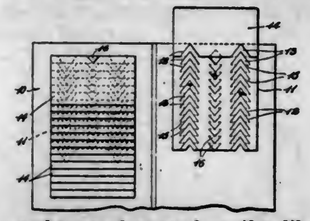


1. Apparatus for measuring and dispensing fluent materials volumetrically, comprising a hopper adapted to contain a quantity of such materials and having a bottom portion including two side walls arcuate about a horizontal axis adjacent one end of the hopper, an end wall adjacent said end and extending down to a level above the lower termination of the arcuate walls, and an opposite end wall, an arcuate, oscillatable closure pivotally supported so as to swing about said axis and engaging the lower terminations of said arcuate walls to close off the hopper bottom against downward flow, whereby on oscillation of the closure measured quantities of materials are dispensed, a link pivotally connected to the closure, eccentric with respect to the axis thereof, for oscillation of the closure, a lever pivotally connected to the link, a fulcrum for the lever, a motor, means operatively connected to the motor for oscillating the lever about said fulcrum, and stationary means for adjusting the relative position of said fulcrum with respect to the link, whereby to permit adjustment of the quantity of material dispensed by the closure at each oscillation thereof.

2,204,098
MOUNTING FOR CARDS, PHOTOGRAPHS, AND THE LIKE
Albert A. Ainsworth, Ossining, N. Y.
Application October 24, 1938, Serial No. 236,779
6 Claims. (Cl. 129—19)

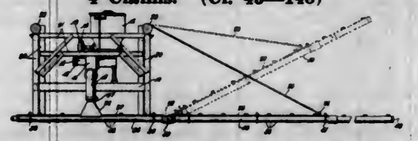
2. A mount for cards and the like comprising, in combination, a backing member, a flexible body of sheet material having a gum coating on and co-extensive with its rear side, a non-adhesive outer side, and a transverse incision defining a free end of a tab integral with said body, said tab being bent outward from the body and folded against the non-adhesive side of the body with its non-adhesive side inward and facing the non-adhesive outer side of the body, and its

gummed side outward, and exposed, the gummed inner side of the body being attachable to the



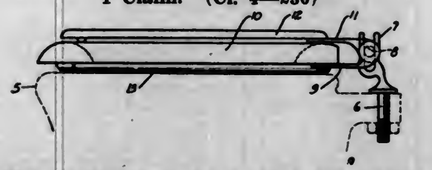
backing member, and a card or the like being attachable to the exposed gummed side of the tab.

2,204,099
DUSTING APPARATUS
Carl G. Allgrunn, Middleport, N. Y., assignor to "Friend" Manufacturing Company, Gasport, N. Y., a corporation of New York
Application January 21, 1938, Serial No. 186,212
4 Claims. (Cl. 43—148)



1. An insecticide dust distributing boom comprising, a sectional boom frame, means for hingedly connecting sections of the boom frame, a sectional apertured distributing tube carried by the boom frame sections and flexible coupling connecting means for sections of the distributing tube disposed adjacent said hinge means so that a predetermined boom frame section and the tube section supported thereby may be raised or lowered as a unit the said hinge means operating to connect said boom frame sections independently of the adjacent flexible coupling whereby to entirely relieve the coupling of supporting stress.

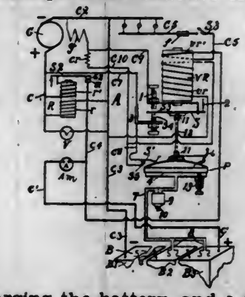
2,204,100
SANITARY TOILET SEAT
Edgar N. Cook, West Hollywood, Calif.
Application July 5, 1938, Serial No. 217,541
1 Claim. (Cl. 4—236)



The combination with a toilet bowl having a horizontal flange at its rear portion, a pair of supports secured to said flange in spaced relation and each having a vertical upper open ended slot, a seat resting on the bowl and having a bracket, a hinge pin carried by the bracket above the lower face of the seat and within the slots of the supports above their lower ends, a cover resting on the seat, and lugs carried by the cover and rotatably mounted on the hinge pin, whereby the seat and cover are wholly supported upon the bowl.

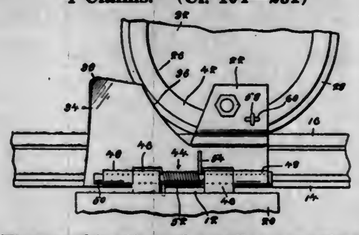
2,204,101
CONTROLLER FOR BATTERY CHARGING APPARATUS
Charles Fumagalli, Guatemala City, Guatemala
Application May 4, 1938, Serial No. 206,060
17 Claims. (Cl. 171—314)

1. The combination of an electric circuit, a storage battery in said circuit, an electric generator in the circuit, means including a switch device connected to said circuit for controlling the charging rate of the generator, means including a switch device connected to said circuit for rendering the generator inactive or substantially



so for charging the battery, and a pressure controlled device in connection with the battery and cooperating with the switches under the pressure of gases generated by the battery for controlling the action of said switches at predetermined pressures.

2,204,102
AUTOMATIC CAR STOP
Albert S. Hayden, Kimball, W. Va., assignor of one-half to John S. Grogan, Kimball, W. Va.
Application December 15, 1938, Serial No. 245,962
4 Claims. (Cl. 104—251)



1. The combination of a rail, a car wheel having a wheel tread surface arranged to roll on said rail, an annular rim extending laterally from one side of said car wheel, a recess in said one side of the car wheel, said annular rim being bounded in part by said wheel tread surface and in part by one wall of said recess, a base means adapted for fixed connection with the rail, a rim latch normally lying in the path of said rim and movably connected with said base, a deflecting means operatively connected with said rim latch and lying in the path of said rim to be engaged thereby for moving and holding the rim latch in the clear of the rim until said rim latch is aligned with said recess, and means for urging the rim latch inside and across said rim for latching the latter to said rail.

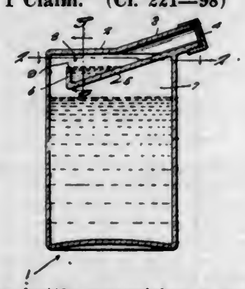
2,204,103
ROD COUPLING
Elbert H. Lampkin, Tulsa, Okla., assignor of one-fourth to George H. Dickinson, one-fourth to Wilfred Dickinson, and one-fourth to James T. Forster, all of Tulsa, Okla.
Application July 8, 1938, Serial No. 218,229
2 Claims. (Cl. 287—104)

1. A rod coupling of the character described comprising upper and lower complementary jaw members having interlocked substantially horizontally disposed shoulders, one of said members having a rib and groove extending lengthwise thereof between its shoulders, the other member

having a complementary rib and groove interlocked with the rib and groove of the first-mentioned member, said members forming a frusto-conical structure, a frusto-conical ferrule engaging said structure and clamping said members together, and cooperating means on the ferrule and upper member to prevent the ferrule from separating from the upper member.



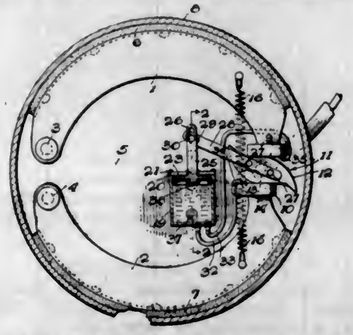
2,204,104
MEDICINE BOTTLE
George Masters, Selukwe, Southern Rhodesia, South Africa
Application December 7, 1938, Serial No. 244,488
1 Claim. (Cl. 221—98)



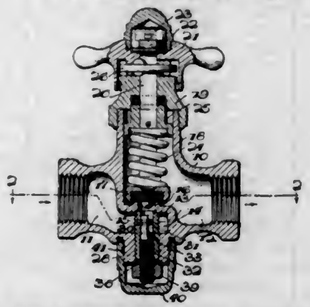
A medicine bottle comprising a container for the reception of medicine, said container including a top and side walls, an inclined discharge neck projecting from the top, and an inclined partition in the upper portion of the container extending in the plane of the lower portion of the discharge neck and constituting a continuation thereof, said partition including an upturned flange on its lower end spaced from the top and defining, in conjunction with the side walls, a measuring chamber communicating with the container and with the neck.

2,204,105
BRAKE
James V. Ralston, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application December 21, 1938, Serial No. 247,123
11 Claims. (Cl. 188—1)

1. A brake comprising a drum, a backing plate therefor, friction means mounted on said backing plate, a cam engaging said friction means for moving the latter into engagement with said drum, a lubricating device mounted on said backing plate adapted to lubricate said cam, and mechanical means including a lost motion device for connecting said friction means and lubricating device and operating the latter on movement of the friction means.

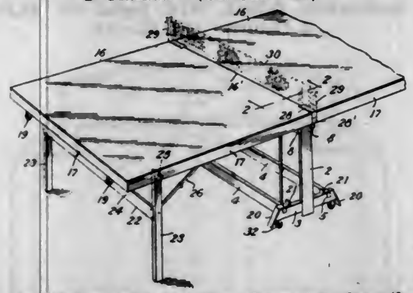


2,204,106
FLOW CONTROL UNIT
Emmett M. Reedy, Los Angeles, Calif., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application March 20, 1939, Serial No. 262,983
2 Claims. (Cl. 277—64)



1. In combination with a valve body having an inlet port and an outlet port, a web separating said ports and having an opening provided with a valve seat, a main valve associated with said seat for controlling the flow of the supply to the outlet port, a control unit associated with the inlet port for limiting the flow of the supply therethrough, said unit including a tubular member connected to the valve body and adapted to engage the underside of the web, said tubular member having a restricted opening in one side thereof through which the supply to the outlet port passes, an adjustable plug extending axially into said tubular member and provided with a reduced portion, said reduced portion being movable relative to the restricted opening to regulate the size of the latter in accordance with the pressure of the liquid passing through the valve body, means for axially adjusting the tubular member relative to the web so that the tubular member may be moved away from the web to provide an auxiliary valve for increasing the flow to the outlet port when the flow through the restricted opening is insufficient for the purpose intended, and means connected to the plug to maintain the reduced portion in a fixed position relative to the restricted opening.

2,204,107
FOLDING TABLE
Walter W. Swett, Takoma Park, Md.
Application February 8, 1939, Serial No. 255,315
4 Claims. (Cl. 311—92)



1. A folding table of the character described, comprising a medial transverse pedestal frame, a vertically movable supporting element on said pedestal frame, a pair of cooperating table top panels hingedly mounted inwardly from their inner ends whereby their inner ends meet in abutting relation to each other medially of said supporting element and flush with each other in a horizontal opened position, said panels being rectangularly recessed at their meeting corner portions, and block members located medially on the opposite end portions of said supporting element and respectively proportioned to fill the space produced by the recessed corner portions of said panels in the opened position of the panels and being flush with the adjacent top and side face portions of the panels.

2,204,108
TRAILER
Roy C. Townsend, La Crosse, Wis.
Application August 4, 1937, Serial No. 157,385
1 Claim. (Cl. 280—81)

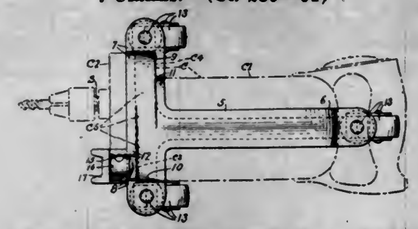


In a vehicle running gear, a transversely disposed axle extending beyond the vehicle frame, a main bearing on said axle, a rocker beam mounted intermediate its ends on said bearing, stub axle members carried by the ends of said rocker beam and equidistant from said main bearing, bearings carried by said stub axles, pairs of wheels mounted on said second mentioned bearings and located on one side of said beam only, all of said bearings being so located their axes are disposed in the same horizontal plane and so disposed that a vertical longitudinal plane will pass through their mid sections and between the wheels of said pairs of wheels, whereby the weight of a vehicle will be equally distributed on all of said wheels.

2,204,109
VEGETABLE OIL REFINING
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application October 6, 1938, Serial No. 233,689
5 Claims. (Cl. 260—423)

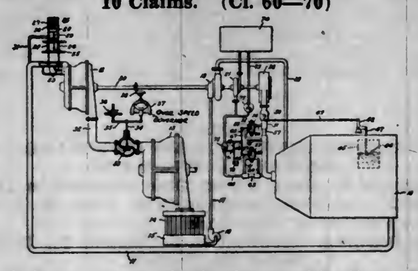
1. The process of separating minor constituents including phosphatidic material from vegetable oils containing the same without destruction of said phosphatidic material, which comprises, admixing a small proportion of a solution of hydrogen peroxide therewith to precipitate said minor constituents and separating the precipitated constituents from the oil by difference in specific gravity.

2,204,110
MOTOR-SEATING CARRIAGE FOR PORTABLE ELECTRIC MACHINES
Frederick Toop, York, Pa., assignor to Petco, Inc., York, Pa., a corporation of Delaware
Application May 9, 1939, Serial No. 272,583
7 Claims. (Cl. 280—61)



1. In a motor-seating carriage, a rigid unit that is inclusive of a normally horizontal beam which has an upwardly curved rear end portion whose upper surface is laterally concaved and provides a snug seat for the convex rear lower portion of a motor casing of the kind shown, said unit also being inclusive of arms that project respectively rightward and leftward from the front end portion of said beam and are curved upwardly to provide concave seats for the axially offset arcuate or convex surfaces of the front end portion of said motor casing, and supporting wheels operatively connected to the respective outer end portions of said arms in a proper relation to enable the carriage to be rolled forward and rearward with the motor casing snugly seated thereon for purposes specified.

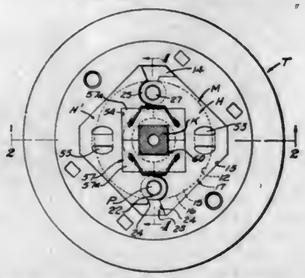
2,204,111
ELASTIC FLUID POWER PLANT
Glenn B. Warren, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
Application December 8, 1938, Serial No. 244,624
10 Claims. (Cl. 60—70)



1. In a power plant, the combination of an elastic fluid generator comprising a furnace, a boiler, a fuel pump, a combustion air blower and a boiler feed pump, an auxiliary turbine for driving said pumps and said blower, conduit means for conducting elastic fluid from said boiler to said auxiliary turbine, valve means in said conduit for controlling the admission of elastic fluid to said auxiliary turbine, means for adjusting said valve means to maintain substantially constant fluid pressure in said conduit means, a main turbine, conduit means for conducting elastic

fluid from said auxiliary turbine to said main turbine including valve means for controlling the flow of elastic fluid to said main turbine, means for adjusting said last mentioned valve means in response to conditions of load on said main turbine, means for adjusting the flow of elastic fluid to said main turbine in response to a predetermined speed of said auxiliary turbine, and means for adjusting the supply of combustibles to said furnace in response to changes of the liquid level in said boiler.

2,204,112
ROTARY TABLE BUSHING
Walter A. Abegg, Los Angeles, Calif., assignor of one-half to B. Reinhold, Los Angeles, Calif.
Application February 7, 1939, Serial No. 255,088
13 Claims. (Cl. 255—23)



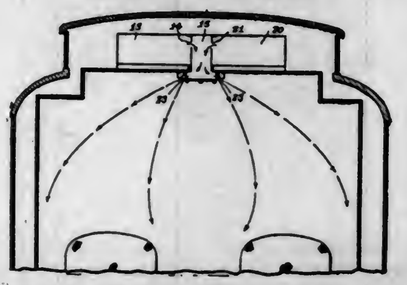
1. A bushing for insertion in the bore of a rotary table, comprising a plurality of complementary bushing sections forming, when closed together, a unitary bushing adapted exteriorly to fit a table bore and interiorly to take pipe engaging members or other work, a hinge connection between one set of adjacent section ends, a releasable latch pivotally mounted on one section and engageable with the adjacent section to hold the bushing closed, said latch being adapted to be positioned within the table bore and to be radially spaced from the defining wall of said bore when the bushing is inserted in said bore, so as not to interfere with the lowering or raising of the bushing into or out of the table bore cam surfaces on the latch and said adjacent section, and means acting while the bushing is closed to cause coaction between said cam surfaces in a manner tending to more tightly close the bushing to prevent accidental release of the latch during operation of the table.

2,204,113
CALCIUM SILICATE AND METHOD OF PREPARING THE SAME
Raymond P. Allen, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application September 30, 1937, Serial No. 166,698
7 Claims. (Cl. 23—110)

5. Easily friable precipitated calcium silicate, most of the particles of which have an ultimate size of about 0.3 micron.

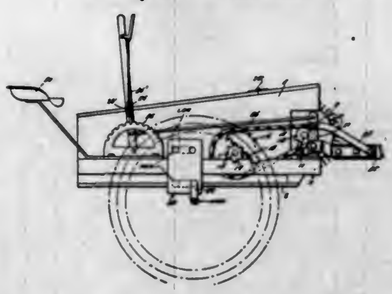
7. The process of precipitating finely divided calcium silicate which comprises introducing dilute solutions of calcium chloride and of sodium silicate into different portions of a unitary agitated body of aqueous reaction liquid, whereby each reagent is distributed through a large volume of the liquid before it is brought into reacting contact with the other reagent.

2,204,114
AIR CONDITIONING SYSTEM UTILIZING REFRIGERATION
Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application July 2, 1936, Serial No. 88,581
4 Claims. (Cl. 98—10)



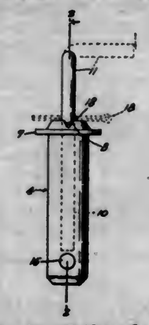
1. Air conditioning apparatus for a vehicle having a passenger compartment, comprising an air cooler, means for admitting the air to be cooled into said cooler, a longitudinal air distributing duct extending over said compartment, means forming two substantially parallel air passages in said duct, means for admitting air from said cooler into one of said passages, means for admitting recirculated air from said vehicle into the other of said passages, means for mixing the air from one of said passages with the air from the other of said passages at a plurality of longitudinal points in said duct, and means for discharging the mixed air at a plurality of longitudinal points into said compartment.

2,204,115
SEED HARVESTER
Hugh Armstrong, Maryville, Mo.
Application July 29, 1939, Serial No. 287,419
2 Claims. (Cl. 56—130)



1. A seed harvester comprising a main frame, a seed box on said frame and including a mouth, a stripper cylinder journaled in the mouth of the box, a stripper bar carried by the box within the mouth thereof to coact with the stripper cylinder in removing seed from growth and the depositing of said seeds in the box, means for connecting a draft source to the main frame, wheels for supporting the opposite ends of the main frame, means for driving the cylinder by one of said wheels, axles for said wheels and including crank portions, brackets mounted on said frame and having slots at different elevations to receive the crank portions of the axles for the raising and lowering of the frame with respect to the ground.

2,204,116
SAFETY-LOCK EQUIPPED COUPLING PIN
Charles M. Blocher, North Manchester, Ind.
Application August 30, 1939, Serial No. 292,705
4 Claims. (Cl. 85—7)



3. A coupling pin of the class described comprising a bore, a lock bolt slidable in said bore, a lock pin disposed in the lower end of said coupling pin, and one end of said lock bolt engaging said lock pin to prevent lateral displacement of said pin, and means for holding said lock bolt and lock pin in locked position.

2,204,117
DRIVING BELT
Harry Brammer, Leeds, England
Application February 16, 1938, Serial No. 190,865
In Great Britain February 17, 1937
9 Claims. (Cl. 74—236)



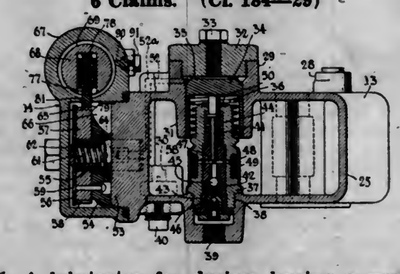
1. A laminated link driving belt comprising a plurality of links arranged in successively stepped layers one upon the other with each link partially overlapping a next succeeding link, headed fastening elements having shanks extending through the overlapped ends of said links, the layered stepped arrangement of said links producing a rocking tendency in said fastening elements when the belt is tensioned, a wear receiving collar interposed between the head of each of said fastening elements and the adjacent link surface to form a bearing surface receiving the wear from said heads incident to the rocking of said fastening elements upon tensioning of said belt, said wear receiving collars being formed to permit ready insertion into or removal thereof from position under said heads without dismantling the belt structure, and means for retaining said wear receiving collars against rotation when in position under said heads.

2,204,118
MERCHANDISING PACKAGE
Ernest M. Brogden, Orlando, Fla., assignor to Bank of The Manhattan Company, trustee, New York, N. Y., a corporation of New York
Application April 27, 1936, Serial No. 76,631
6 Claims. (Cl. 206—46)

1. A blank for forming a container, said blank comprising, a bottom section of generally polygonal shape, a side section extending from each of the side edges of the bottom section, a side flap extending from the side edge of each of said side sections, a corner section extending from each of the corners at each end of said edges of said bottom section, and a corner tab extending from each of the end edges of said side sections.



2,204,119
LUBRICATOR
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application May 9, 1938, Serial No. 206,861
6 Claims. (Cl. 184—29)



1. A lubricator for devices having a working space in which a pulsing fluid pressure is developed as an incident to operation, said lubricator comprising in combination a lubricant delivering force pump; a pressure-operated motor of the expansible chamber type capable of responding to said pulsing fluid pressure and connected to actuate said pump; a distributing valve comprising a rotary disc valve mounted in a chamber, said valve having a recurrent series of successive positions in at least one of which positions it establishes a connection between said chamber and said motor and in the others of which it interrupts such connection; a second motor of the expansible chamber type having a working space connected with the working space of said device, said second motor being capable of reciprocating in response to said pulsing fluid pressure; an intermittent drive connection between said second motor and said rotary disc valve whereby the motor rotates the valve step by step through said series of positions; and means establishing a connection between the working space in which the pulsing fluid pressure is developed and the chamber of said distributing valve, said connection being arranged to delay the development of a pressure pulse in said chamber whereby the second motor will respond to a given pressure pulse before the same becomes substantially effective in said valve chamber.

2,204,120
LIQUID OPERATED MOTOR
Clarence J. Coberly, Los Angeles, Calif., assignor to RoKo Corporation, Reno, Nev., a corporation of Nevada
Application April 11, 1934, Serial No. 720,057
22 Claims. (Cl. 121—150)

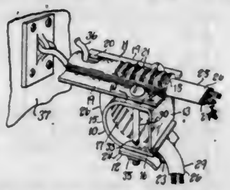
1. In a fluid motor having a piston operative within a cylinder member, the combination of: a valve member adapted to control the application of fluid under pressure to said piston, said valve member being of annular cross-section and

having a major portion and a minor portion of smaller cross-sectional area than said major portion; a valve body in which said valve member slides, said valve body fitting the major and minor portions of said valve member in fluid-tight relation; means forming a chamber adjacent the end of said minor portion of said valve member; means for maintaining fluid under high pressure in said chamber; walls forming a space adjacent the end of said major portion of said valve member; control means so formed as to connect said space with said high pressure fluid when said control means is in a first position, and to connect said space with a lower pressure fluid when said control means is in a second



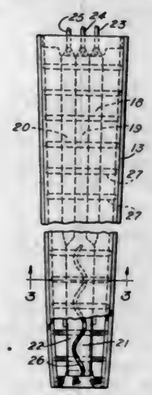
position, the high pressure fluid in said chamber moving said valve member into a primary position when said space is connected to low pressure fluid, and the high pressure fluid in said space moving said valve member into a secondary position against the high pressure fluid in said chamber, said valve member having a restricted spiral passage in the wall thereof so placed as to connect said space with low pressure fluid when said valve member is in said primary position and to connect said space with said high pressure fluid when said valve member is in said secondary position; and means for moving said control means from said first position to said second position.

2,204,121
CABLE HANGER
Orville K. Coleman, Mineola, N. Y., assignor to The Rattan Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application December 27, 1939, Serial No. 311,105
15 Claims. (Cl. 24—125)



4. A cable hanger including in combination: a suspension-member having means for attachment to a support; a clamping-member; a body-joined by an intermediate arched portion and interposed between the said suspension-member and the said clamping-member, one of the spaced-apart faces of the said body-member being directed toward and spaced from the said suspension-member to provide a cable-receiving passage, and the opposite spaced-apart face of the said body-member being directed toward and spaced from the said clamping-member to provide a second cable-receiving passage; and means for forcing the said clamping-member toward the adjacent face of the said body-member and simultaneously forcing the opposite face of the said body-member toward the said suspension-member while a cable lies extended over the arched portion of the said body-member and through the two cable-receiving passages provided between the said members with a portion of the said cable reversed with respect to another portion thereof and spaced therefrom by the said interposed body-member.

2,204,122
SURFACE-PROTECTIVE APPARATUS
Russell S. Colley, Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 9, 1938, Serial No. 194,843
8 Claims. (Cl. 244—134)

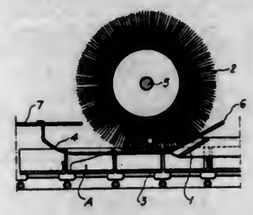


1. Apparatus for preventing ice accumulation upon a surface comprising an elastic shoe adapted to be mounted upon said surface, means for securing the shoe upon the surface in a condition of tension comprising a metallic strip element mounted in the shoe structure at its margin and means on the surface against which a side surface of the said strip element is adapted to bear to maintain the shoe under tension.

2,204,123
PATTERN FOR CASTINGS
Paul Francis Collins, Columbus, Ohio, assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio, a corporation
No Drawing. Application January 5, 1938, Serial No. 183,558
8 Claims. (Cl. 22—164)

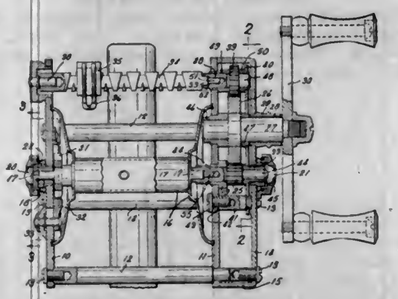
1. A pattern for use in casting metals and alloys in the dental and jewelry art in a one-piece mold provided with a sprue hole which is of a cross-sectional area only a minor fraction of the pattern, said pattern being formed of a rigid metal that will volatilize at a temperature below 3000° F. so that the metal can be removed from the mold cavity by volatilization without any undesirable residue being left in the mold cavity.

2,204,124
FISH-CLEANING MACHINE
Paul Danielsson, Stockholm, Sweden, assignor to Aktiebolaget Gerk. Arehns Mekaniska Verkstad, Stockholm, Sweden
Application November 28, 1938, Serial No. 242,816
In Sweden October 21, 1937
4 Claims. (Cl. 17—3)



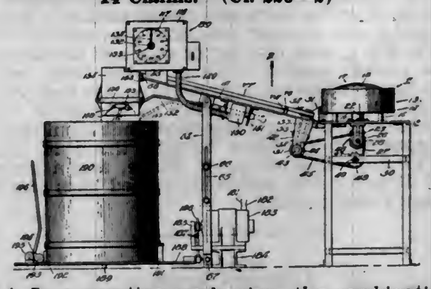
2. A fish-cleaning machine having a rotary brush for cleaning the inside of the fish having their bellies split open, a device for holding the sides of the fish apart, a conveyor for advancing the fish longitudinally from said holding device past said brush in a direction transversely to the axis of rotation of said brush, means for driving said brush to act upon the fish in a direction opposite to the direction of movement of said conveyor, and thin rods for guiding the fish, said guide rods extending longitudinally of said conveyor from said holding device and through said brush, the ends of said rods directed oppositely to the direction of movement of said conveyor resting freely and yieldingly upon a support and terminating slightly beyond said brush to allow viscera adhering to said rods to be brushed off them.

2,204,125
FISHING REEL
James M. Dayton, Torrington, Conn.
Application June 2, 1939, Serial No. 277,007
4 Claims. (Cl. 242—84.1)



1. In a fishing reel, wherein the spool is mounted between two axially-spaced and rigidly-interconnected end-plates and wherein the spool is driven by a crank and transmission means actuated by the crank, a cap cooperating with one end plate for enclosing said means, a third plate fixed to the last-named end plate and forming therewith a sub-frame unit, said means including a driving shaft for the spool rotatably mounted entirely in said unit and a shaft for said crank also rotatably mounted entirely in said unit.

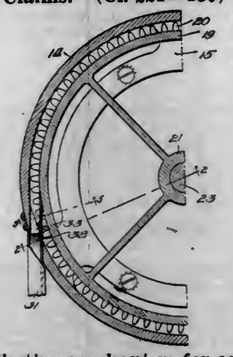
2,204,126
MACHINE FOR FEEDING, COUNTING, AND PACKAGING ARTICLES
Fred E. Domke, Chicago, Ill., assignor to W. H. Hutchinson & Son, Inc., Chicago, Ill., a corporation of Illinois
Application June 5, 1935, Serial No. 25,052
14 Claims. (Cl. 226—2)



4. In a counting mechanism, the combination of a counter, hopper means movable into the path of the counted articles to interrupt the flow thereof when a predetermined number of articles has been deposited in a receptacle, means for dumping the hopper means when a predetermined number of articles has been deposited in the hopper means, and a device controlled by the counter for actuating the hopper means.

7. In a counting mechanism, the combination of a counter comprising a pair of insulated disks adapted to rotate together, each disk having cam depressions disposed around the periphery thereof in predetermined locations, each depression on one disk being cooperatively related to a depression on the other disk, a device actuable by the articles to be counted for rotating the disks, a pair of electrical contacts bearing on the disk peripheries, respectively, and adapted to engage when one contact moves into a depression on one disk and to separate when the other contact moves into the cooperating depression on the other disk and to be separated at all other times, and electrically controlled means operable when the contacts engage for shaking a receptacle for the articles to more closely pack the articles.

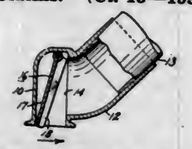
2,204,127
DISTRIBUTING MECHANISM
Fred E. Domke, Chicago, Ill., assignor to W. H. Hutchinson & Son, Inc., Chicago, Ill., a corporation of Illinois
Original application June 5, 1935, Serial No. 25,052. Divided and this application October 30, 1937, Serial No. 171,884
8 Claims. (Cl. 221—130)



1. In distributing mechanism for converting an

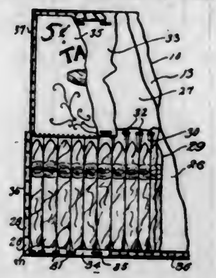
indiscriminate mass of articles, such as bottle caps and the like, into an orderly succession of the individual articles, a stationary drum having an annular side wall with a delivery opening therein, a distributor device having a polished dome-shaped top and a depending annular side wall rotatable in the drum, said annular walls being spaced apart a distance only slightly greater than the thickness of the article, a horizontal flange on and extending throughout the lower side of said distributor wall and projecting into slightly spaced relation to the drum wall and having shoulders adapted to engage and positively carry the caps bodily in succession toward said opening, the caps being indiscriminately dumped into the space between the drum and distributor walls onto said flange, and a guide for directing the positively carried caps singly through said opening.

2,204,128
SUCTION NOZZLE
Lars Johan Faith Ell, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application June 26, 1936, Serial No. 87,390
In Switzerland July 2, 1935
2 Claims. (Cl. 15—155)



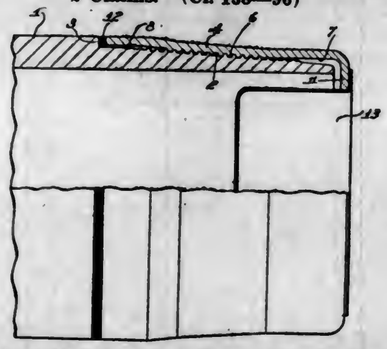
1. In a suction nozzle adapted to be moved forwards and backwards over a surface to be cleaned, a hollow body having an elongated suction opening, and a hollow valve member pivotally mounted within said hollow body and having an open end projecting through said suction opening so as to contact said surface and be pivoted by reversal in direction of movement of said nozzle, said valve in one position restricting the effective area of said suction opening to that of the open end of the valve member and in another position rendering the entire area of said suction opening effective.

2,204,129
DISPLAY DEVICE
Lillian G. Englar, Crestwood, N. Y.
Application October 31, 1938, Serial No. 238,105
5 Claims. (Cl. 40—126)



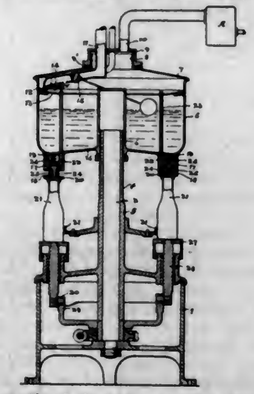
1. In a display device of the character described, a substantially flat rectangular body portion having an area and contour corresponding to the area of a container to be represented, and an integral lid extension therefrom in the same plane having an area and contour corresponding to that of a lid for such container, raised edges on the three outer edges of the first named body portion simulating box edge portions, and a multiplicity of article units fixed on the said body portion.

2,204,130
PIPE THREAD PROTECTOR
Birger Engstrom, Pittsburgh, Pa., assignor to Forster Manufacturing Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 15, 1938, Serial No. 230,074
2 Claims. (Cl. 138—96)



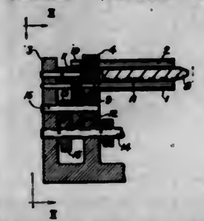
1. A protector for use with a pipe having an outside shoulder spaced from one end, comprising a sleeve adapted to fit over the end of the pipe with its inner end spaced from the pipe shoulder, the outside diameter of said inner end being greater than that of the rest of the sleeve, the outer surface of said inner end being connected by a gradually converging surface to the portion of the sleeve having the smallest diameter, and packing material disposed in the annular space between the pipe shoulder and said inner end of the sleeve.

2,204,131
METHOD OF STERILIZING LIQUIDS AND FILLING CONTAINERS
Henry F. Glunz, Astoria, Long Island, N. Y.
Original application August 6, 1936, Serial No. 94,528. Divided and this application May 6, 1937, Serial No. 141,047
3 Claims. (Cl. 99—218)



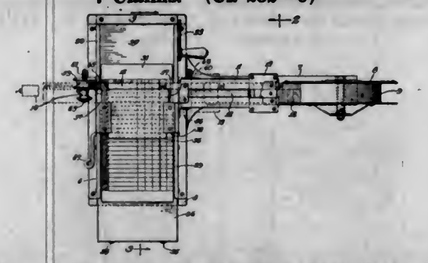
1. In a method for the sterile filling of containers with liquid, the steps of spreading the liquid out in a thin film on a shelf in substantially uniform relation to a source of sterilizing rays while simultaneously subjecting the same to the attenuating action of a vacuum, and then filling the same directly into sterilized and vacuumized containers free from contact with germ-laden air.

2,204,132
METHOD AND MECHANISM FOR WRAPPING CIGARS
Karl Erik Granstedt, Stockholm, Sweden, assignor to Aktiebolaget Formator, Stockholm, Sweden, a joint-stock company
Application August 6, 1937, Serial No. 157,798
In Germany August 6, 1936
2 Claims. (Cl. 131—56)



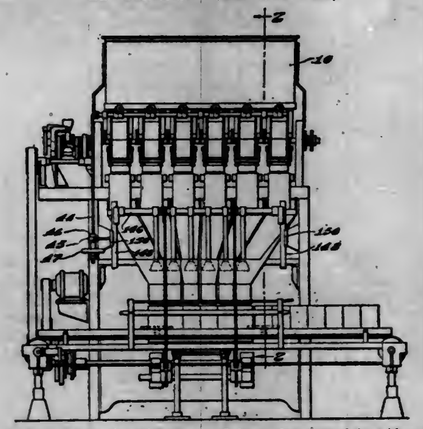
1. A method of wrapping cigars comprising slightly opening a cluster of bunch rollers, inserting a cigar bunch longitudinally into said cluster so that its head end projects beyond an end of said cluster, rotating the bunch within said cluster, manually applying a wrapper to the bunch, and gripping the projecting bunch head end and smoothing the wrapper end on said head end by hand.

2,204,133
TICKET DELIVERING AND RECORDING MACHINE
Myron L. Haney, Chicago, Ill.
Application February 3, 1939, Serial No. 254,346
7 Claims. (Cl. 282—5)



3. In a machine of the character described, the combination of a housing, a table slidably mounted thereon and adapted to hold a record sheet, means for advancing said table longitudinally by a step by step movement, a transfer ribbon overlying the table, means for feeding a strip of ticket material across the table in alignment with the transfer ribbon, a frame movably mounted on the housing, a guard plate carried by the frame and normally overlying a portion of said strip, means for moving said guard plate into position to cover the strip when the table reaches the limit of its upward movement on the housing, means for elevating said frame to clear the record sheet and disengage the table from its feed mechanism to permit manual restoration of the table to initial position, and mechanism for alternately advancing said table and said strip by step by step movements.

2,204,134
PACKAGING MACHINE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Original application May 12, 1936, Serial No. 79,253. Divided and this application July 30, 1937, Serial No. 156,537
13 Claims. (Cl. 249—18)



1. In a packaging machine, in combination, a container conveyor, a rotary registering member adapted to be turned by successive containers as they are moved by the conveyor, a control means for controlling the operation of the machine to start and stop the same, and connections between the aforesaid rotary registering member and said control means for preventing the operation of the machine until a predetermined number of containers have passed by and turned said registering member.

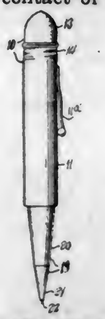
2,204,135
CHLORINATION OF KETONES
Paul C. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 7, 1938, Serial No. 212,298
6 Claims. (Cl. 260—593)

1. The method of preparing a monochlorinated ketone which comprises passing gaseous chlorine at ordinary temperatures into a liquid consisting of an aliphatic ketone and a small proportion of a catalyst selected from the class consisting of mineral acids and substances which are capable of generating mineral acids upon hydrolysis or upon contact with organic substances.

2,204,136
AUTOILLUMINANT WRITING IMPLEMENT
John E. King and Randal L. Hale, Waterbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application August 29, 1938, Serial No. 227,237
6 Claims. (Cl. 240—6.46)

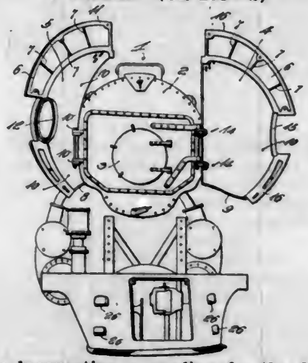
1. An auto-illuminating writing implement comprising: a main-body casing-member; an electric battery carried therein; a writing-head casing-member; an electric lamp mounted on said writing-head casing-member and having a terminal-contact, the said electric lamp being positioned in said main-body casing-member with the terminal-contact thereof normally

spaced apart from an electrode of said electric battery; band-means coupling said writing-head casing-member to said main-body casing-member with capacity for lateral-pivoting movement of the former with respect to the latter to angularly shift the terminal-contact of said electric lamp



into circuit-closing engagement with the said electrode of the electric battery; the said writing-head casing-member being responsive with respect to its lateral-pivoting circuit-closing movement, to writing pressure applied to the writing implement in the characteristic inclined position thereof.

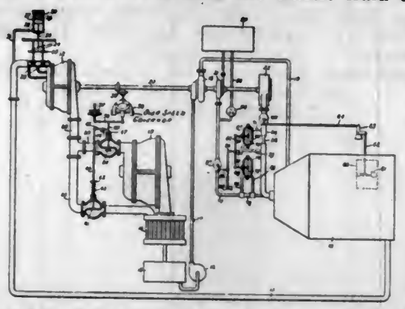
2,204,137
STREAMLINED LOCOMOTIVE
Chase H. Knowlton, Greenburgh, N. Y., and George M. Davies, Fair Lawn, N. J., assignors to The New York Central Railroad Company, a corporation of New York
Application November 3, 1938, Serial No. 238,674
6 Claims. (Cl. 105—2)



1. In a locomotive, a cowling for the front end of the boiler comprising two doors hinged to the front of the locomotive, each door being in the shape of a quarter sphere and said doors being arranged with respect to each other to form a hemispherical front for the boiler when in closed position, one of the doors having a rest, and the other door carrying a headlight carrying frame adapted to be received into the recess of the first-named door in the closed position of said doors.

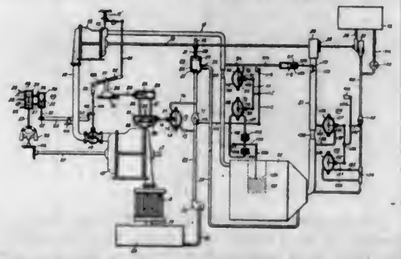
2,204,138
ELASTIC FLUID POWER PLANT
Paul H. Knowlton, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 8, 1938, Serial No. 244,619
9 Claims. (Cl. 60—70)

1. The combination of an elastic fluid generator comprising a boiler and a furnace, a main turbine, a conduit for conducting elastic fluid from said generator to said turbine, a valve for controlling the admission of elastic fluid to said turbine, means for regulating said admission valve in response to a load condition of said main turbine, a boiler feed pump, a fuel pump, a furnace draft blower, an auxiliary turbine arranged in said elastic fluid conduit ahead of said main turbine for normally driving said pumps and blower in accordance with the elastic fluid de-



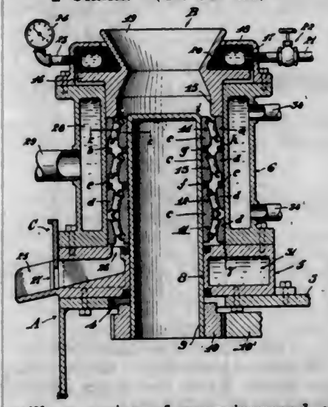
mand by said main turbine, an admission valve for said auxiliary turbine, means for adjusting said auxiliary turbine admission valve so as to maintain substantially constant the elastic fluid pressure in said conduit ahead of said auxiliary turbine, a by-pass conduit extending from said first mentioned conduit between said turbines around said main turbine, a normally closed valve in said by-pass conduit, and means for opening said by-pass conduit valve in response to a predetermined adjustment of said main turbine admission valve.

2,204,139
ELASTIC FLUID POWER PLANT
Paul H. Knowlton, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 8, 1938, Serial No. 244,620
9 Claims. (Cl. 60—70)



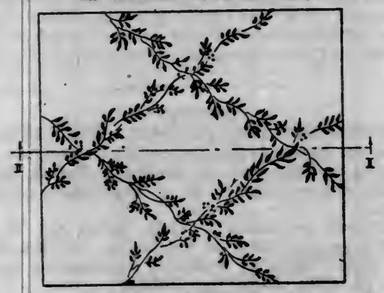
1. In a power plant, the combination of an elastic fluid generator comprising a furnace, a boiler, a fuel pump, a combustion air blower and a boiler feed pump, an auxiliary turbine for driving said pumps and said blower, a conduit for conducting elastic fluid from said boiler to said auxiliary turbine, a main turbine, a conduit for conducting elastic fluid from said auxiliary turbine to said main turbine, admission valves for controlling the supply of elastic fluid to each of said turbines, means for adjusting said valves in accordance wtih the load on said main turbine, and means for supplementally adjusting the admission valve of said auxiliary turbine in accordance with a condition of operation of said elastic fluid generator.

2,204,140
MILL
Harold W. Langbein, Los Angeles, Calif.
Application September 28, 1937, Serial No. 166,068
1 Claim. (Cl. 83—22)



In a mill, a series of superimposed rows of crushing and grinding rollers, inner and outer raceways supporting the rollers of each row, means for rotating the inner raceways collectively, a housing slidably supporting the outermost raceway, a crowding ring seating on the uppermost outer raceway, a hopper formed on said crowding ring, an outwardly extending flange on said hopper, a confined expansible hollow annulus seating on said flange, and means for directing fluid under pressure into said annulus, an increased supply of fluid pressure to said annulus causing said crowding ring to press more heavily upon said uppermost outer raceway.

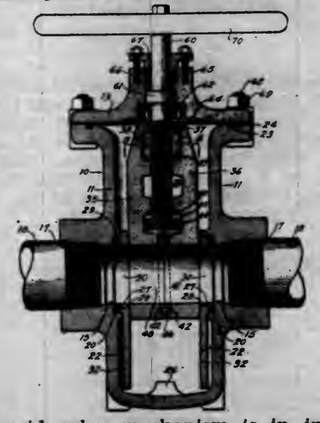
2,204,141
ORNAMENTAL PAPER MANUFACTURE
Frederick V. Lofgren, Valparaiso, Ind., assignor to Glenn Davidson, Aurora, Ill.
Application December 24, 1936, Serial No. 117,529
11 Claims. (Cl. 41—17)



7. A process of making washable wallpaper, which comprises printing on a paper base layer a ground and a design of pigment and reaction products of oil seed material in water with fatty acid soap and water glass, and subjecting the surface to the action of a hardening reactant.

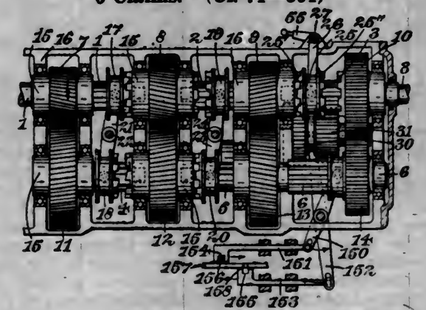
2,204,142
GATE VALVE
John W. MacClatchie, Los Angeles, Calif., assignor to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California
Application December 13, 1937, Serial No. 179,498
9 Claims. (Cl. 251—67)

1. In a valve of the class described, the combination of a housing having ports adapted for the connection of sections of pipe into said housing, face plates having ports and depending guide portions adapted to be inserted in said housing adjacent said ports of said housing, packing between said housing and said face plates, a split valve mechanism comprising two gate members having an unobstructed passageway therethrough movable into operative position to close said ports and into inoperative position to connect said ports, the passageway through said pipe, ports, face plates and gate members being in line



when said valve mechanism is in inoperative position and of substantially the same diameter and cross-section, said gate members having parallel faces for sealing engagement with the faces of said face plates and depending guide portions, packing between said gate members, means mounted on both sides of said passageway between said gate members for forcing said gate members outward into sealing engagement with said face plates when said valve mechanism is in either operative or inoperative position, and means for moving said valve mechanism into either operative or inoperative position.

2,204,143
CONTROL DEVICE FOR CHANGE-SPEED GEARS
Gustav Meyer, Friedrichshafen-on-the-Bodensee, Germany, assignor to Maybach-Motorenbau Gesellschaft mit beschrankter Haftung, Friedrichshafen-on-the-Bodensee, Germany, a corporation of Germany
Application August 21, 1937, Serial No. 160,314
In Germany August 28, 1936
6 Claims. (Cl. 74—364)



1. A control device for a gear wheel change speed gear comprising a plurality of fluid-pres-

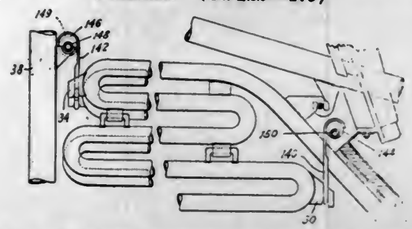
sure-operated gear-shifting pistons, a speed selecting valve for selectively controlling the flow of pressure medium to the cylinders of said pistons, a group of conduits leading from said selecting valve to one end of each cylinder, a group of conduits leading from said selecting valve to the other cylinder ends, normally open shut-off valves in at least some of the conduits of one only of said groups, fluid-pressure-operated means other than said pistons for closing said shut-off valves, and a connecting conduit between each of said fluid-pressure-operated means and a conduit of the other of said groups.

2,204,144

FLUID HEAT EXCHANGE APPARATUS

William T. Moore, New York, N. Y., and Perry R. Cassidy, Short Hills, and Ralph M. Hardgrove and Howard J. Kerr, Westfield, N. J., assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application October 31, 1935, Serial No. 47,528
6 Claims. (Cl. 122—479)



3. In fluid heat exchange apparatus, a bank of tubes extending across a gas pass with the tubes so spaced that a change in their spacing will vary the gas mass flow over the tubes and affect the heat transfer rate of the apparatus, a hollow cam shaft, means for suspending some of the rows of tubes from the cam shaft by concentric elements whereby the positions of those rows do not change as the cam shaft is operated, means for suspending others of the rows of tubes from the cam shaft by eccentrically mounted elements so that their positions relative to the first mentioned rows change as the cam shaft is operated and the mass flow over the tubes is accordingly controlled to maintain a constant heating effect, means for circulating a cooling fluid through the cam shaft, and means responsive to rating variations and changes in total heat for operating the cam shaft.

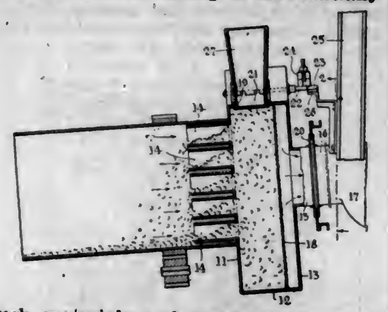
2,204,145

ROTARY KILN

Louis J. Mueller, Martinsburg, W. Va., assignor to The Standard Lime and Stone Company, Baltimore, Md., a corporation of Maryland

Application September 30, 1938, Serial No. 232,662
5 Claims. (Cl. 263—32)

1. In a rotary kiln for the treatment of dry material, a kiln section or chamber for receiving the material to be treated within the kiln, said section being enlarged circumferentially with reference to the diameter of the kiln; a plurality of tubular members extending from the forward portion of said chamber directly into said kiln, said tubular members being substantially of the same length throughout the series and likewise of the same internal diameter throughout and free from obstruction from the intake to the discharge end thereof; a foraminous surface or partition located adjacent the opposite end of the enlarged chamber, said chamber being in communication with the offtake of the kiln; means for introducing material into said enlarged chamber and maintaining it substantially full



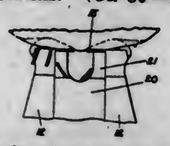
of such material; and means for rotating the kiln.

2,204,146

SHAVING IMPLEMENT

Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application September 18, 1937, Serial No. 164,426
3 Claims. (Cl. 30—43)



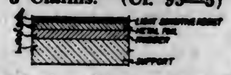
2. A dry shaving implement including in its structure spaced side members having inwardly overhanging flanges serrated to present teeth with shearing edges, the shearing edges on both side members lying in a single plane, and a movable cutter having cooperating shearing teeth, the side members being slotted substantially in registration with the spaces of the shearing teeth of the cutter and the resulting teeth being progressively outwardly thickened and outwardly narrowed to present face-engaging areas extending outwardly and upwardly and of tapering width, thereby collectively imparting a convex contour of the skin of the user in the area engaged by the implement.

2,204,147

PHOTOGRAPHIC STENCIL MATERIAL

Alexander Murray, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application December 7, 1935, Serial No. 53,381, which is a division of Serial No. 727,304, May 24, 1934. Divided and this application January 22, 1938, Serial No. 186,413
3 Claims. (Cl. 95—5)



1. A method of making upon a thin sheet of translucent, elastic rubber an image strongly adherent thereto and capable of contracting and expanding therewith that comprises holding said rubber sheet with its surface smooth, applying a metallic resist material to said sheet, applying a photographic layer to said resist material, forming a stencil relief image in the photographic layer, treating the material with a solvent for the resist material which removes such resist material where exposed through the photographically formed stencil, then applying to the rubber areas thus laid bare a stain capable of adhering to the rubber and capable of contracting and expanding therewith, and then removing the remaining portions of the resist and photographic layers.

2,204,148

METHOD OF TREATING SULPHUR BEARING COALS

Joseph C. Nelms, East Cleveland, Ohio

No Drawing. Application July 16, 1936, Serial No. 90,895
9 Claims. (Cl. 266—2)

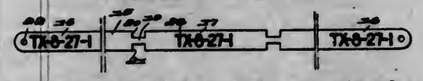
1. A process of treating steel with relatively high sulphur coal comprising making from the coal producer gas having sulphur compounds therein, heating the steel therewith in a reducing atmosphere by direct contact of the products of combustion of the producer gas and the sulphur compounds therein with the steel to temperatures in excess of 1500° F. and maintaining in the producer calcium chloride in amounts of from seven eighths to two percent, by weight, of the coal.

2,204,149

PERMANENT COTTON BALE IDENTIFYING MEANS

Richard H. Pratt, Mobile, Ala.

Application August 6, 1938, Serial No. 223,540
6 Claims. (Cl. 40—20)



2. A marker for bales of fibrous material consisting of a long continuous piece of fire resistant thin light gauge metal ribbon having a thickness not exceeding .01 inch adapted to be inserted in a bale with at least one end portion protruding from a face of the bale, said length of ribbon forming a single bale marker, duplicate bale-identifying symbols embossed at repeated points along the length of the ribbon, and a frangible connection in said ribbon between the symbol points sufficiently weak in relation to the cross-section dimension of the ribbon as to break under lengthwise tension on the ribbon to prevent removal of more than a fragmentary portion of the marker from a bale.

2,204,150

MUSICAL INSTRUMENT

Robert B. Quattrociocche, Steubenville, Ohio

Application May 20, 1939, Serial No. 274,526
1 Claim. (Cl. 84—267)



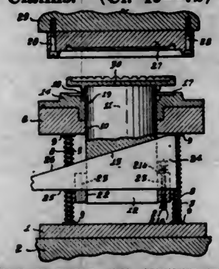
In a portable stringed musical instrument comprising a hollow body having a top and bottom supported by a side wall member, a neck member extending outwardly from said body, the strings being attached to the outer end of the neck and to the hollow body, a bridge member supported on the upper top surface of the body for supporting the strings upwardly over the upper surface of the top and neck member, the body being bisected into a small and large area by the said strings, a plurality of radial ribs secured to the under surface of the top and extending outwardly from a point adjacent the side and in line with the said bridge in the lesser body area to the opposite side of the top in the larger area and an opening in the side wall member supporting the greater body area for allowing the vibrating air within the hollow body to be emitted.

2,204,151

MOLDING APPARATUS

Howard H. Rodefer and Henry Vaupel, Bellaire, Ohio, assignors to The Rodefer Glass Company, Bellaire, Ohio, a corporation of Ohio

Application May 19, 1937, Serial No. 143,561
8 Claims. (Cl. 49—72)



6. In molding means, an upper mold member adapted to be supported by an upper press platen, a base adapted to be supported by a lower press platen, a floating support member resiliently supported on said base, a lower mold member supported on said floating support member, a plunger vertically reciprocable with respect to said lower mold member, and wedge means for moving said plunger with respect to said lower mold member and for locking said plunger against downward movement with respect thereto.

2,204,152

COLLAR, CUFF, AND THE LIKE

Wilton Rubinstein, Clayton, Mo., assignor of one-half to said Rubinstein as trustee, and Edward Greensfelder, as cotrustee

Application June 27, 1938, Serial No. 215,960
4 Claims. (Cl. 2—131)



1. A garment collar comprising a part adapted to be folded and creased along an intermediate longitudinal line to provide an inner section and an outer section, said part being made up of a top ply and an under ply superimposed one on the other, and a pair of interlining pieces in said part, one in said outer section and the other in said inner section between the top ply and the under ply thereof, said interlining pieces in the flat or extended position of said part having their adjacent longitudinal edges close together and unattached directly to each other, and one of said edges being secured to said under ply only of said two plies and unattached to said top ply of said part.

2,204,153

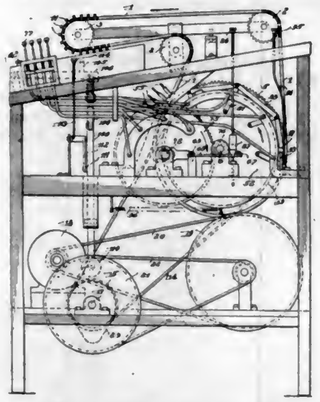
MACHINE FOR DECODING SYMBOLS

William D. Ryan and Roy H. Hendrickson, Rochester, N. Y.

Application June 14, 1938, Serial No. 213,647
14 Claims. (Cl. 101—94)

1. The combination with a movable carrier

having a series of symbols arranged in successive groups thereon and a carrier controlling device, of an oscillatory and axially movable interlocking member having a series of stops movably mounted thereon for selective engagement with the carrier controlling device, a group of selectors including one connected to each of said stops, a second group of selectors any of which can be



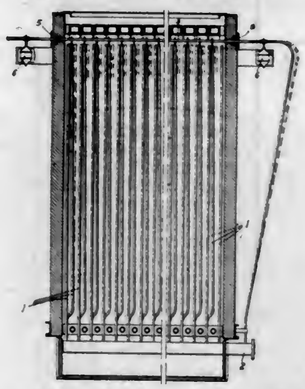
operated to effect engagement with the interlocking member at a predetermined point to stop its oscillating movement, means for moving the interlocking member axially into operative position, and a third group of selectors controlling said last named means, any of the last mentioned selectors being operative to move the interlocking member into operating position at a predetermined point.

2,204,154

FLUID HEAT EXCHANGE DEVICE

Charles U. Savoye, Hackensack, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application October 27, 1933, Serial No. 695,450
4 Claims. (Cl. 122—479)



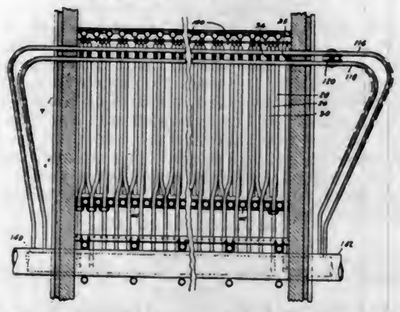
1. In combination, a bank of boiler tubes, a bank of superheater tubes arranged in spaced groups beyond the boiler tubes relative to gas flow, means for movably supporting some of the superheater tubes, tube shields carried by said movable tubes and arranged so as to be positioned in front of some of the fixed tubes, and fluid cooled superheat control mechanism connected to the movable tubes for causing the shielding of increasing areas of the superheater tubes as the spacing of the superheater tubes is varied.

2,204,155

FLUID HEAT EXCHANGE DEVICE

Charles U. Savoye, Hackensack, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application November 15, 1934, Serial No. 753,166
In Canada October 11, 1934
16 Claims. (Cl. 122—479)



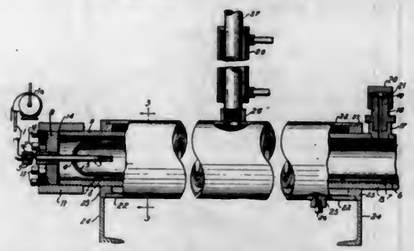
1. In a superheater and boiler organization, fixed superheater tubes, movable superheater tubes maintained in parallelism between the fixed tubes, the tubes being so spaced that a change in spacing varies the heating effectiveness thereof, and a fluid cooled controller connected to the movable tubes and operable to vary the tube spacing and so change the heating effectiveness of all of the tubes that a uniform superheat may be maintained over a wide range of boiler ratings.

2,204,156

CONTINUOUS REACTOR

Waldo L. Semon, Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application June 21, 1937, Serial No. 149,366
3 Claims. (Cl. 23—290)



1. A reactor for the continuous reaction of reagents one of which is corrosive, comprising a shell, a corrosion-resistant reaction chamber within the shell, the shell being made of a structurally strong material different from that of the reaction chamber, the reaction chamber having at one end an outlet extending through the wall of the shell and at the other end an opening through which the contents of the shell may enter the reaction chamber, a corrosion-resistant inlet for the corrosive reagent extending through the wall of the shell and through the said opening and debouching within the reaction chamber, and an inlet into the shell for the other reagent.

2,204,157

CATALYST AND METHOD OF PRODUCING THE SAME

Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application August 16, 1938, Serial No. 225,197
8 Claims. (Cl. 23—236)

1. The method of producing a catalyst for use in dehydrating alcohols, which comprises preparing a solution containing phosphoric acid and a compound of aluminum, adding ammonia until a precipitate of complex aluminum phosphates is formed, separating the precipitate from the solution, washing water-soluble material from the precipitate and drying the washed precipitate.

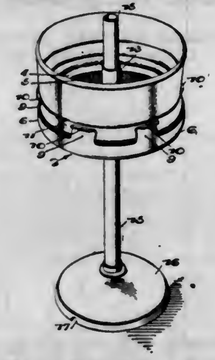
8. A pelleted catalyst comprising a solid catalytic material which will catalyse the dehydration of 1.3 butanediol, and a substantial quantity of 1.3 butanediol as a lubricant.

2,204,158

PERCOLATOR STRAINER BASKET FOR COFFEEPOTS

Harry P. Serio and Anthony W. Serio, Elmira, N. Y.

Application June 3, 1938, Serial No. 211,672
4 Claims. (Cl. 53—3)



1. A percolator strainer basket adapted to be mounted on a hollow stem of a percolator member and comprising a body portion open at both ends, a filter element, and a separate perforated bottom, said body portion and bottom having coacting means for detachably securing the bottom across the lower open end of the body portion and being provided with coacting clamping portions for securing the filter element upon the perforated bottom, said bottom of the percolator strainer basket having a central upright hollow stem for disposal on a percolator tube and having means to hold portions of said filter element against flatwise contact therewith.

2,204,159

PLATFORM SHOE AND PLATFORM FOR USE IN THE SAME

Arthur C. Sewall, Auburn, Maine

Application October 5, 1938, Serial No. 233,472
10 Claims. (Cl. 36—28)

1. A shoe having an outsole, a platform at at least the ball and toe portions, an insole, and uppers; said platform between the edges of the shoe at the ball portion comprising cushion material, and at its edge portions adjacent said cushion material comprising relatively incompressible stiff material which, at at least a material part of the ball portion, is transversely slashed for rendering it relatively flexible, resilient sheet material in adhering relation to said



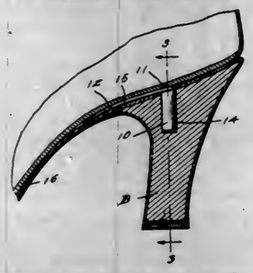
stiff material covering the slash lines therein, said insole being operatively secured to said stiff material for tying together the portions of the latter at opposite sides of said cushion material.

2,204,160

HEEL BRACE

Joseph Stapp, Sunnyside, Long Island, N. Y., assignor of fifty per cent to Ernest Rheinauer, New York, N. Y.

Application November 27, 1939, Serial No. 306,401
4 Claims. (Cl. 36—34)



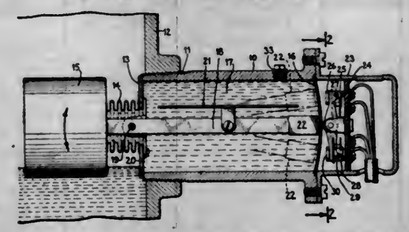
1. The combination with an arch portion of a shoe, of a heel longitudinally bored in its top, a stem frictionally fitted into the bore, a brace arm integral with the upper end of the stem progressively tapered in width, said arm having an opening, a nib extending upwardly from the upper end of the stem through the opening and promoting flexibility between the arm and the stem, the arm extending downwardly in an arcuate path from the stem and being secured between conventional layers of the bottom of the arch portion of the shoe.

2,204,161

CONTROL DEVICE

Alfred W. Shepherd, Maplewood, N. J.

Application June 13, 1938, Serial No. 213,319
8 Claims. (Cl. 200—84)



1. A control device of the character described, with a float adapted for disposition within a boiler for operation by the water therein and with switching means controlled by the float, characterized by the fact that there is combined with said float and switching means, a sealed stationary dampening chamber containing liq-

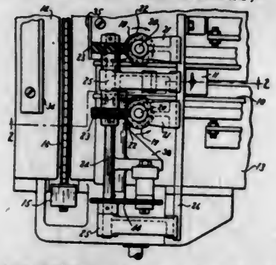
uid and horizontally disposed between the float and switching means, float moved operating connections for the switching means extending through the liquid in said chamber, said connections having dampening means therefor housed within said liquid dampening chamber, whereby the movements of the connections are dampened by the contained liquid, said chamber being sealed off from the boiler whereby sediment accumulations are prevented from reaching and impeding operation of the operating connections.

2,204,162

ARTICLE FORWARDING DEVICE FOR WRAPPING MACHINES

Elmer L. Smith, Longmeadow, and Carlton Wetsel, Springfield, Mass., assignors to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts

Application August 18, 1938, Serial No. 225,496
7 Claims. (Cl. 198—20)



1. In a wrapping machine of the type having two wrapping channels at right angles to each other and a continuously moving series of article forwarding pushers passing through the first channel, a device for transferring partially wrapped articles from said pushers to a position for entrance into the second channel which comprises, means positioned adjacent the delivery end of the first channel to successively engage each article as it is presented by the pushers and move it at an increased speed to clear it from the pusher, and means engaging the article after it is cleared from the pusher by the first means to advance the article into alignment with the second channel.

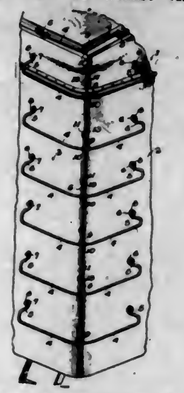
2,204,163

CAR LADDER

George A. Steuber, Penfield, N. Y., assignor to Despatch Shops, Inc., a corporation of New York

Application January 24, 1939, Serial No. 252,697
2 Claims. (Cl. 228—49)

2. The combination with a railway car having a side wall, an end wall, and a corner portion connecting said walls, of a stileless ladder consisting solely of a plurality of individual rungs spaced an equal distance throughout their length from the corner portion and side and end walls of the car, one end of each rung being secured to the side wall of the car and the other end thereof to the end wall of the car, and an individual support for each rung located mainly above the level of the rung and having an upper end portion secured to the corner portion of the car and thence bent outwardly and downwardly therefrom and having a lower end engaging the center of the rung, whereby each rung is supported from the car free from connection with any other rung and whereby each individual rung support forms a foot brace against which the foot of a trainman standing on the rung may be brought to bear to assist the trainman in



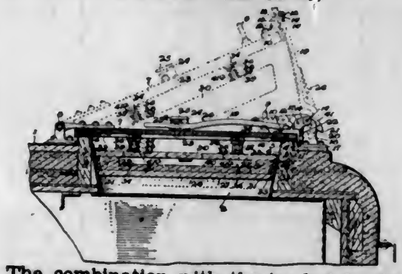
maintaining his position on the ladder when the car is in motion.

2,204,164

ICE HATCH FOR REFRIGERATOR CARS

George A. Steuber, Penfield, N. Y., assignor to Despatch Shops, Inc., a corporation of New York

Application January 24, 1939, Serial No. 252,699
1 Claim. (Cl. 98—7)



The combination with the ice hatch of a refrigerator car, of a door for the hatch, a lever pivoted to the car to open said door, a longitudinal series of rack teeth on the under face of said lever, a segmental pinion on the pivoted end of the lever, a toothed rack secured to the free end of the door engageable with the segmental pinion, whereby movement of the lever causes the segmental pinion to operate the rack on the door to give the door a preliminary opening, said rack on the door being engageable with the rack teeth on the under face of the lever to hold the door in a desired position for ventilation, and means to hold the rack teeth on the underface of the lever in engagement with the teeth of the rack on the door against accidental disengagement.

2,204,165

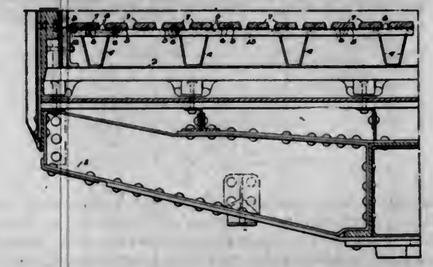
FLOOR RACK FOR REFRIGERATOR CARS

George A. Steuber, Penfield, N. Y., assignor to Despatch Shops, Inc., a corporation of New York

Application January 25, 1939, Serial No. 252,842
3 Claims. (Cl. 105—375)

1. A slatted floor for refrigerator cars comprising a plurality of spaced parallel stringers in the form of inverted channels having their webs facing upwardly and their channeled sides

and flanges forming the same facing downwardly, said channels being spaced from the car floor, a plurality of individual channeled metal slat holders arranged at right angles to the stringers and supported on the webs of the stringers, said holders having the open sides of their channels facing upwardly and being secured at their bases to the stringers, upwardly facing coplanar wood slats fitted in the channels of the holders and



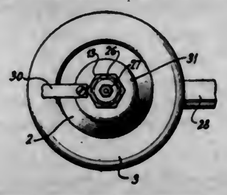
having their upper surfaces projecting outwardly from and above the level of the open sides of the channels, the holders and slats held therein being spaced properly for vertical circulation of air but arranged in sufficiently close relation to each other so that the upwardly projecting surfaces of the slats cooperatively form a floor or support, and fastening means passing through and securing the bases of the holders to the webs of the stringers.

2,204,166

ELECTRIC CONDENSER

George Lindley Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 3, 1938, Serial No. 205,675
18 Claims. (Cl. 175—41.5)



1. A variable condenser comprising a fixed electrode and two adjustable electrodes, at least one of said adjustable electrodes comprising a fixed support and a movable electrode portion, a tubular flexible metallic member connected between the fixed support and movable electrode portion of said adjustable electrode, and a dielectric of a fluid under pressure interposed between said fixed electrode and at least one of said adjustable electrodes.

2,204,167

SOLVENT FOR HIGH MOLECULAR WEIGHT POLYMERS OF ISO-OLEFINS

Peter J. Wiezevich, Elizabeth, N. J., now by judicial change of name Peter J. Gaylor, assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 17, 1936, Serial No. 106,156
5 Claims. (Cl. 260—32)

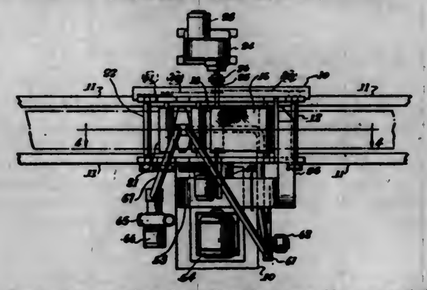
1. A composition of matter comprising a solution of a high molecular weight polymer of isobutylene having a molecular weight lying between 8,000 and 250,000 and an aliphatic ester of an organic fatty acid having more than 10 carbon atoms.

2,204,168

APPARATUS FOR CLEANING STRIP METAL

Frank J. Wood, Riverside, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application February 25, 1938, Serial No. 192,439
1 Claim. (Cl. 15—97)



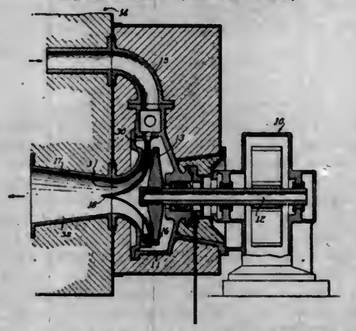
In an apparatus for cleaning continuous strips of metal, two continuous belts spaced so as to form a passageway therebetween to permit the metal to pass therethrough in a direction extending lengthwise of said belts, means for driving said belts at a different speed than the speed of the metal, and means disposed at the entering end of said passageway for subjecting opposite sides of the metal to an absorbent cleaning medium and permitting said cleaning medium to be carried through the passageway formed between said belts.

2,204,169

TURBINE FOR THE EXPANSION OF GAS TO PRODUCE REFRIGERATION

Guido Zerkowitz, Trieste, Italy, assignor to Gesellschaft für Linde's Eismaschinen A. G., Hollriegelskreuth, near Munich, Germany

Application February 15, 1938, Serial No. 190,568
In Germany February 27, 1937
16 Claims. (Cl. 62—123)



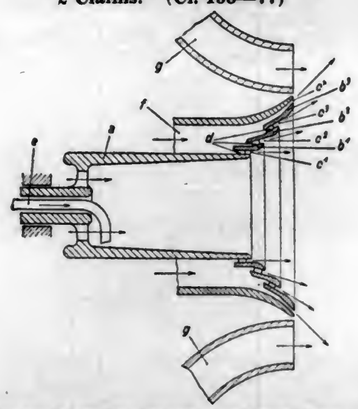
1. In a turbine for expanding compressed gas at relatively low temperature to produce refrigeration, said turbine having a rotor, a discharge diffuser comprising two stationary surfaces of revolution disposed on the discharge side of the rotor, said surfaces forming inner and outer walls of a discharge passage, said inner wall surface tapering to substantially a point located within the diffuser and extending throughout a portion only of the length of the diffuser.

2,204,170

ATOMIZER BURNER FOR LIQUID FUELS

Theodor Zwilling, Kiel, Germany, assignor to Deutsche Werke Kiel Aktiengesellschaft, Postschliessfach, Kiel, Germany, a corporation of Germany

Application August 20, 1938, Serial No. 225,927
In Germany October 19, 1937
2 Claims. (Cl. 158—77)



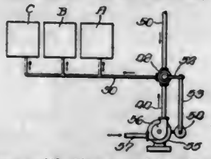
1. In an atomizer burner for liquid fuels, a rotating atomizer cup having a throw-off edge; means supplying liquid fuel to the interior of said cup, a plurality of annular members surrounding said throw-off edge and projecting beyond said edge, said members being fitted stepwise one over the other to form at least one inner air channel and at least one outer air channel, said inner channel extending parallel to the axis of rotation of the cup and said outer channel extending outwardly and at an angle to said axis.

2,204,171

AUTOMATIC LUBRICATION DEVICE

Karl W. Atwater, Pittsburgh, Pa.

Application January 24, 1938, Serial No. 186,556
7 Claims. (Cl. 184—6)



1. In a rolling mill, the combination with a pair of working rolls, of means journalling said rolls, comprising bearing members engaging the necks thereof, means cooling said roll necks and bearings comprising water sprays delivering cooling water thereto, a system of pipes for conducting the cooling water to said sprays, an oil supply line, and valve means connecting said system of pipes with either said water main or said oil supply line, whereby said sprays may deliver either cooling water or lubricating oil to the roll necks of said working rolls.

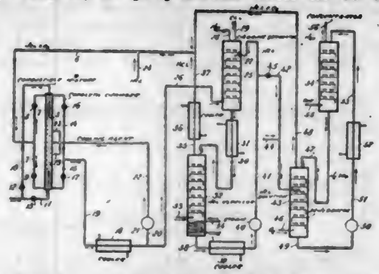
2,204,172

METHOD OF PRODUCING CHLORINE

Frederick R. Balcar, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application July 22, 1938, Serial No. 220,647
13 Claims. (Cl. 23—219)

1. The method of producing chlorine by oxidation of hydrogen chloride which comprises introducing a gaseous mixture of hydrogen chloride and oxygen into a body of a catalyst capable of promoting the reaction and volatile at elevated temperatures, in proportions such as to avoid



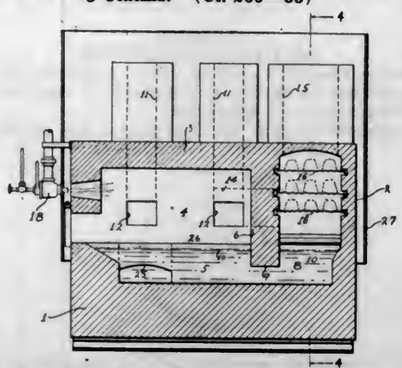
excessive temperatures resulting from the reaction, and cooling the catalyst body beyond the zone of initial reaction to a temperature at which catalyst volatilized during the reaction will condense therein by introducing cooled reaction products to the catalyst.

2,204,173

MELTING FURNACE

Percy L. Bowser, Jr., St. Louis, Mo., assignor to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware

Application August 30, 1937, Serial No. 161,581
3 Claims. (Cl. 266—33)



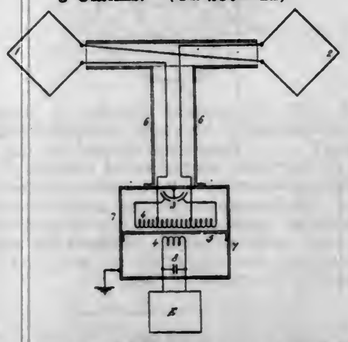
1. A melting furnace for light metals such as aluminum having side and end walls, a cross-wall dividing the furnace into separate roasting and collecting chambers, means providing a melting receptacle in said roasting chamber and a collecting receptacle for the molten metal in said collecting chamber, means providing a passage through said cross-wall establishing communication between said receptacles below the level of the molten metal therein and through which molten metal may flow from one to the other, means for projecting a flame into said collecting chamber over said collecting receptacle, one or more outlet flues from said collecting chamber extending upwardly in said side walls, a heat-transferring flue in one of said walls extending horizontally around said cross-wall to carry combustion gases from said collection chamber to said roasting chamber to heat the latter, a roasting support for ingots in said roasting chamber, a dipping pool on the outside of said collecting chamber communicating with said collecting receptacle, and an envelop providing a circulation space along said outside walls adapted to promote circulation of atmospheric air in contact with the wall surface to cool the same.

2,204,174

DIRECTION FINDING SYSTEM

Heinrich Brunswig, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company

Application March 3, 1938, Serial No. 193,638
In Germany March 4, 1937
3 Claims. (Cl. 250—11)



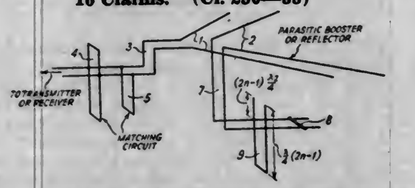
1. A direction finding system comprising two spaced frame aerials in substantially the same horizontal plane, a pair of substantially horizontal conductors interconnecting said frame aerials in electric opposition, a direction finding receiver having an input circuit, additional conductors connecting said input circuit to one of said horizontal conductors at substantially the mid-point thereof to form a series circuit including said additional conductors, said horizontal conductors and said frame aerials, and means connected to said additional conductors for symmetrically balancing with respect to earth said frame aerials as a whole.

2,204,175

ANTENNA SYSTEM

Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 19, 1939, Serial No. 251,743
16 Claims. (Cl. 250—33)



1. An antenna system including one or more parasitic units, and a plurality of circuits connected to said parasitic units and being so proportioned and located as to result in high radiation efficiency at two or more frequencies.

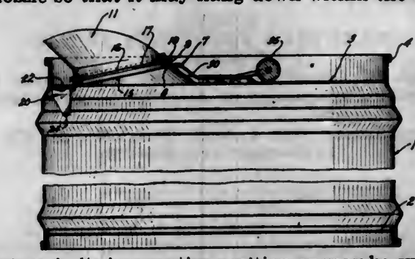
2,204,176

DISPENSING CONTAINER

Alfred J. Chamberlain, Wauwatosa, Wis.

Application November 16, 1938, Serial No. 240,651
9 Claims. (Cl. 221—11)

1. A dispensing container comprising a body portion having a top provided adjacent its periphery with an upwardly displaced portion formed with a nozzle projecting outwardly therefrom and inclining downwardly and outwardly toward the periphery of the container, and a spout pivotally supported with respect to said nozzle so that it may hang down within the container in its inoperative position or may be swung up to a position projecting beyond the nozzle for pouring, said spout and said nozzle having interengageable portions in the projected position of the spout so that the spout is inclined in its pouring position.

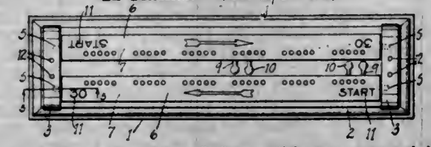


2,204,177

CRIBBAGE BOARD

Schuyler C. Eddy, Kalamazoo, Mich.

Application February 6, 1939, Serial No. 254,877
11 Claims. (Cl. 235—90)



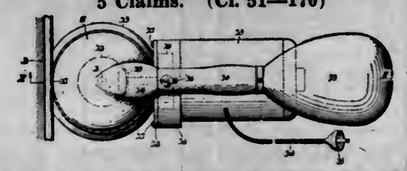
1. A counting board for cribbage, comprising a base, a pair of end members on said base having vertically extending guides, and a pair of counter members provided with trunnions slidably guided by said guides, said counter members being rotatable about said trunnions as an axis and having a plurality of sides provided with counting holes adapted to receive a counting peg, the lowermost side of a counter member resting on said base in use to stabilize the counter member during pegging of another side thereof, said trunnions rising and falling relative to said base during rotation of the counter members during indexing of successive sides to pegging position.

2,204,178

FLOOR DRESSING MACHINE

Joseph A. Gartner, Elkins Park, Pa.

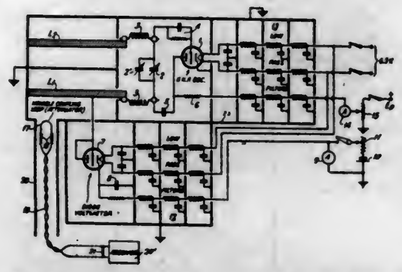
Application January 25, 1938, Serial No. 186,808
5 Claims. (Cl. 51—170)



1. A floor dressing machine comprising a housing; a horizontal abrading disk projecting downward through a bottom opening in the front of the housing; a horizontally-arranged motor directly affixed to the upper part of the housing and extending rearwardly therefrom; driving connections within the housing between the disk and the motor; rollers supporting the overhanging end of the motor with the disk bearing upon the surface being dressed; and a grasp handle

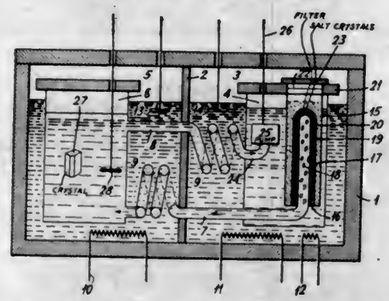
extending rearwardly from the housing over the top of the motor whereby the device may be rocked on the rollers to vary the pressure on the disk.

2,204,179
ULTRA HIGH FREQUENCY SIGNAL GENERATOR
Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 1, 1938, Serial No. 216,874
15 Claims. (Cl. 250—20)



1. In a signal generator of the type including a radio frequency oscillator tunable over a band of frequencies, said oscillator having a tuned circuit for determining the frequency of the signals generated by said oscillator, said circuit including in series two inductor elements having uniformly distributed inductance and capacitance, and means for shielding said elements from each other, and a voltage attenuator inductively coupled to at least one of said inductor elements.

2,204,180
APPARATUS FOR CULTIVATING CRYSTALS
Erwin Gerlach, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 13, 1937, Serial No. 153,375
In Germany July 14, 1936
10 Claims. (Cl. 23—273)



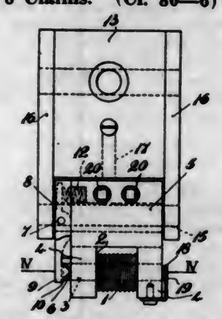
1. An arrangement for cultivating crystals comprising a casing, a wall for dividing said casing into two separate spaces, a vessel within each separate space, means for maintaining a saturated solution within said vessels, fluid communicating means between said vessels and passing through said wall, a heating arrangement adjacent each vessel for maintaining a temperature difference between said vessels, and means for filtering and continuously circulating said saturated solution from one vessel to another.

2,204,181
CALL TRANSMITTER
Daniel H. Gleason, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1938, Serial No. 230,006
3 Claims. (Cl. 179—90)



1. A call transmitter having a supporting shaft, a manually operable element secured to the shaft, a multiple cam rotated by the movement of the shaft, and a set of pulsing contacts, in combination with a pawl disposed for operation by the movement of the cam for actuating the impulse contacts, an arm carried by said pawl, and resilient means engaged by said arm for damping the operation of said pawl when actuated by the multiple cam.

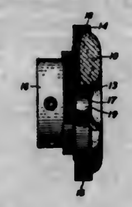
2,204,182
APPLIANCE FOR ROLLING SCREW THREADS
George Gould, Birmingham, England, assignor to Wolseley Motors Limited, Birmingham, England
Application July 20, 1939, Serial No. 285,546
In Great Britain May 25, 1939
6 Claims. (Cl. 80—6)



1. An appliance for rolling a screw thread upon a revolving work-piece comprising a roll carrier movable laterally towards the work, a pair of spaced and free or independent screw-threaded rolls rotatably mounted upon the carrier, and spring-influenced devices exerting pressure upon parts turning with the rolls, a cam surface being provided upon one of the engaging parts co-operating with the other part to cause the rolls to come to rest in predetermined relative angular positions.

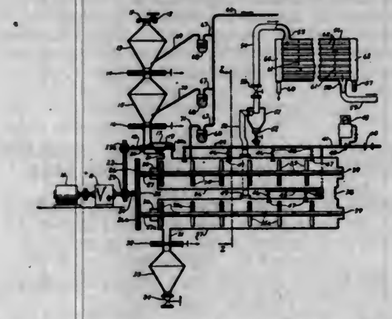
2,204,183
EARPIECE
Lynford S. Hulin, Nyack, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 11, 1937, Serial No. 173,970
5 Claims. (Cl. 179—182)

1. A telephone earpiece comprising an annular core of soft material, flexible annuli of acoustically opaque material on opposite sides of said core, and annuli of soft moisture-absorbent material having high lateral acoustic impedance, outside of said first annuli, said first and second



annuli being joined at their edges to form acoustic seals at said edges.

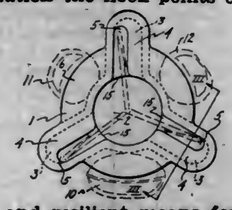
2,204,184
PROCESS FOR PRODUCING ACETYLENE AND LIME HYDRATE
Hugo V. Kojola and Maurice O'Brian, Indianapolis, Ind., assignors to The Prest-O-Lite Company, Inc., a corporation of New York
Application March 27, 1936, Serial No. 71,210
5 Claims. (Cl. 48—216)



1. A process for the continuous and simultaneous production of a gas and a substantially dry residue by the exothermic reaction of a solid and a liquid, which comprises continuously introducing said solid into a reaction chamber, contacting the solid in said reaction chamber with only sufficient liquid, in excess of the theoretical amount necessary to completely react the solid, to absorb only that portion of the heat of reaction necessary to maintain the products of reaction at a temperature substantially above the boiling point of said liquid, introducing said liquid directly into said solid to prevent its contacting the generated gas, continuously conveying the unreacted solid and the solid products of reaction along a predetermined path in said reaction chamber, and simultaneously agitating the unreacted solid and solid products of reaction so as to completely react the solid, continuously discharging the generated gas from said chamber at predetermined points in the path of said solid and solid products of reaction, and continuously discharging the substantially dry residue from said reaction chamber at the end point of said path.

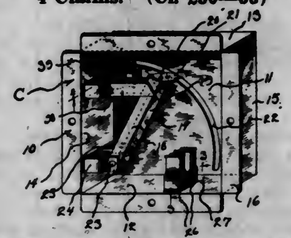
2,204,185
GANG HOOK BOOT
John W. Lougheed, Jackson, Mich.
Application January 23, 1939, Serial No. 252,249
6 Claims. (Cl. 43—39)

1. A gang hook boot, comprising a body having a cavity for receiving the gang hook to be booted, relatively soft structure overhanging said cavity for providing a guard for receiving in embedded relation the hook points of the hook in



the gang, and resilient means for holding said points in said guarding structure.

2,204,186
CONTROL DEVICE FOR RADIO RECEIVING SETS
Roger W. Mohr, Burlington, Wis.
Application December 10, 1938, Serial No. 244,879
4 Claims. (Cl. 250—33)

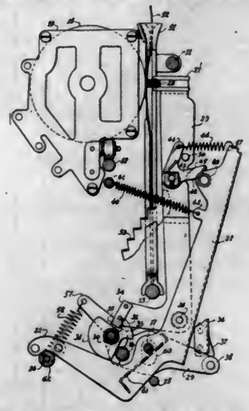


1. The combination with a radio receiving set having a pair of independent antenna terminal posts and a doublet antenna including sections insulated one from the other; of a device for connecting one or both sections of the doublet antenna with the terminal posts of the radio receiving set including, a double-bladed switch lever, means insulating one blade from the other, means including independent conductor wires electrically connecting each antenna section with a switch blade, blade contact clips, means including independent conductor wires electrically connecting the terminal posts of the radio receiving set with the blade contact clips, said contact clips being disposed in the path of the switch blades, with one of the contact clips being arranged in advance of the other, whereby the last-mentioned contact clip will be engaged by a switch blade prior to the engagement of the other contact clip by the other switch blade, clips arranged in spaced relation to the contact clips disposed in the path of the switch blades and adapted to be engaged by the switch blades when the switch is in a predetermined position and out of engagement with the contact clips, and means including a common ground terminal post and wire for grounding the last-mentioned clips.

2,204,187
TIME RECORDER
Ernest S. Ostler, Park Ridge, Ill., assignor, by mesne assignments, to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application September 29, 1938, Serial No. 232,298
3 Claims. (Cl. 101—93)

1. In a time recorder the combination with a printing member and an actuating member therefor, of means to limit the motion of said actuating member, stop means against which said printing member may perform a printing operation and adapted to cause rebound of said print-

ing member into contact with said actuating member, and shock absorbing means to prevent rebound of said printing member from said actuating member after contact therewith, said shock absorbing means including a bell crank pivoted on said printing member, one arm of which is provided with a cam surface adapted to engage



said actuating member, and a resilient member connecting said other arm and said actuating member, said engagement of said first arm and said actuating member being such that motion of said printing member toward said actuating member will rotate said bell crank in opposition to the tension of said resilient member.

2,204,188

POLYMETHINE DYES

Oskar Riester, Dessau-Ziebigk, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 28, 1938, Serial No. 193,083. In Germany March 4, 1937

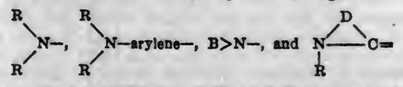
5 Claims. (Cl. 260—240)

4. A process for the preparation of polymethine dyes which comprises condensing two mol of a compound corresponding with the following structural formula

$$A(CH)_n—CHO$$

where n is a member of the group consisting of O and an integer;

A is a member of the group consisting of



where R is an alkyl, and B and D represent the atoms necessary to form a member of the group consisting of a heterocyclic nucleus and a substituted heterocyclic nucleus, with at least one mol of acetone dicarboxylic acid in the presence of acetic anhydride.

2,204,189

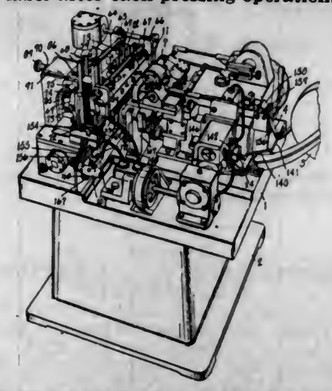
APPARATUS FOR CUTTING, FOLDING, AND CREASING LABELS

Arthur Rosenthal, Grand Rapids, Mich., assignor to Rose Patch & Label Co., Grand Rapids, Mich.

Application February 21, 1938, Serial No. 191,740

15 Claims. (Cl. 270—61)

14. In an apparatus of the class described, the combination of means for folding a label or the like, means for pressing the folded label to form a crease at the fold, said means operating to press the label a plurality of times, and means for moving the label after each pressing operation.



15. In an apparatus of the class described, the combination of means for folding a label or the like, and means for pressing the folded label to form a crease at the fold, said means operating to press the label a plurality of times.

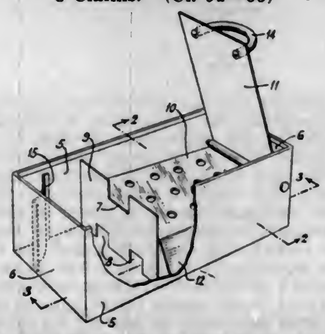
2,204,190

MOISTENING APPARATUS FOR SEALING ADHESIVE SURFACES AND THE LIKE

Jane Siegel, New York, N. Y.

Application June 10, 1939, Serial No. 278,577

3 Claims. (Cl. 91—66)



1. As an article of manufacture, an oblong water receptacle, a partition dividing the longest dimension of said receptacle into a reservoir section and a drain section, said partition having holes therein for enabling water from said drain section to flow into said reservoir, a raised perforated plate in said drain section, and a cover for said perforated plate for cooperating therewith to squeeze surplus water from an absorbent material adapted to be placed therebetween.

2,204,191

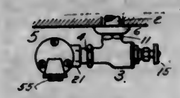
FLUSH VALVE

William E. Sloan, River Forest, and John I. Bellamy, Brookfield, Ill., assignors to Sloan Valve Company, Chicago, Ill., a corporation of Illinois

Application April 4, 1938, Serial No. 199,812

5 Claims. (Cl. 137—93)

1. In a flush valve, a valve member reciprocable between a closed position and an open position, a throttle member surrounding a section of said valve member intermediate the ends thereof, said throttle member being slidable longitudinally of said valve member, and means for limiting the sliding movement sufficiently to enable said throttle member to be carried by said valve member between a throttle position and a non-throttle position, said throttle member reaching its throttle position before the valve member reaches its closed position, said throttle member substantially sealing around its outer periphery when in its said throttle position there being sufficient



clearance between the throttle member and the valve member where the latter member encircles the former member to enable a substantial but reduced flow to occur after throttling and before seating, the said clearance between the throttle member and the valve member being only a small fraction of an inch, and said throttle member extending longitudinally of said valve member a sufficient way to provide a length of passageway for the said reduced flow of several times the width of such passageway, whereby the velocity of the fluid through the said passageway during the said reduced flow is greatly retarded to promote quietness.

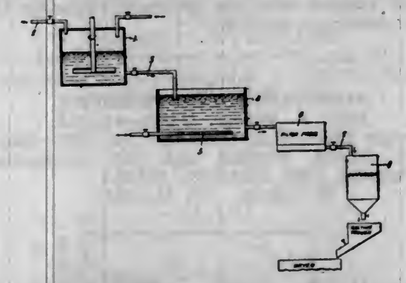
2,204,192

METHOD OF MAKING BARIUM CHLORIDE

Randolph C. Specht, St. Albans, W. Va., assignor to Barium Reduction Corporation, Charleston, W. Va., a corporation of Delaware

Application February 5, 1938, Serial No. 188,850

6 Claims. (Cl. 23—90)



1. The method of making barium chloride, which comprises effecting the settling out from an impure concenterated barium chloride liquor, while the same is in a substantially neutral but still barely alkaline condition, of the insoluble impurities thereof, separating the supernatant liquor, slightly acidifying the same, then introducing into the liquor an oxidizing medium which is incapable of reacting with the barium chloride content of the liquor to produce a compound other than barium chloride and thereby effecting the oxidation of the oxidizable impurities in the liquor, then when such impurities are completely oxidized, neutralizing the solution with a barium compound, separating the insoluble impurities from the liquor, then evaporating the same, effecting the crystallization of the barium chloride content of the liquor and then recovering and drying the crystallized barium chloride.

2,204,193

RECLAIMING CATALYSTS

William E. Spicer and Rhea N. Watts, Baton Rouge, La., assignors to Standard-I. G. Company

No Drawing. Application September 27, 1938, Serial No. 231,915

4 Claims. (Cl. 23—238)

1. A method of recovering molybdenum compound from spent catalyst containing molybdenum oxide, zinc oxide and magnesium oxide which comprises digesting the spent catalyst mass with boiling water at a temperature above 300° F. and below 800° F. while under a pressure sufficient to raise the boiling point of said water to the digestion temperature, for an extended period of the order of 4 hours or more, thereafter extracting the mass with an ammoniacal solution to form a soluble molybdate and thereafter precipitating the molybdenum compound from said solution.

2,204,194

ALKYLATION PROCESS

Eldon E. Stahly and Erwin M. Hattox, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 25, 1938, Serial No. 242,275

17 Claims. (Cl. 196—10)

2. A process which comprises alkylating acyclic isoparaffins with mono-olefins in the presence of a catalyst comprising an oxide of an element of the fifth group of the periodic system in concentrated sulfuric acid.

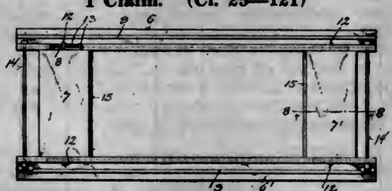
2,204,195

CONCRETE MOLD

George Steinmetz, Green Bay, Wis., assignor to Catholic Diocese of Green Bay, Green Bay, Wis.

Application March 11, 1937, Serial No. 130,336

1 Claim. (Cl. 25—121)



A concrete mold comprising, an open frame including longitudinally extending, spaced parallel side rails, and transversely extending end strips disposed between the rails and adjustable toward and away from one another, said rails being provided with a plurality of spaced openings adjacent the opposite ends thereof, pins carried by the end strips adapted to be inserted in any selected openings of the rails, and tie rods connecting the side rails together beyond the end strips for holding the end strips in adjusted position against movement.

2,204,196

METHOD AND APPARATUS FOR DETERMINING THE NATURE OF BOREHOLE FLUIDS

Alphons Gerard Hubert Straatman, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

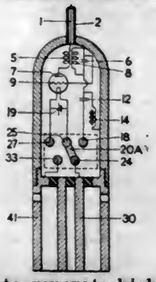
Application November 7, 1938, Serial No. 239,339

In the Netherlands November 16, 1937

6 Claims. (Cl. 175—183)

1. In a process for determining the nature of a

substantially electrolytic fluid within a borehole, the steps of lowering thereinto a casing containing a high frequency oscillatory circuit electrically connected to two electrodes carried by said casing in contact with the well fluid, said electrodes being made of materials capable of generating an electromotive force therebetween when immersed in an electrolyte, at least one of said electrodes being insulated from the casing, caus-



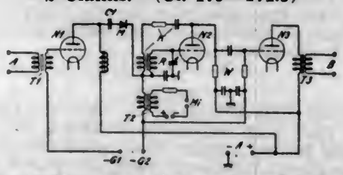
ing said circuit to generate high frequency electric oscillations, causing an electromotive force to be generated between said electrodes by contact with the electrolyte, applying said electromotive force to the oscillatory circuit, and determining the nature of the electrolyte well fluid confined between said electrodes from the variations in the electrical characteristics of the oscillatory current due to the changes in the value of the electromotive force generated between said electrodes.

2,204,197
INSECTICIDE
Homer E. Whitmire, Richmond Heights, Mo., assignor to Shell Oil Company, Incorporated, a corporation of Virginia
No Drawing. Application February 11, 1938, Serial No. 190,044
17 Claims. (Cl. 167—22)

1. An insecticide comprising, the reaction product of dichlorethyl ether and an organic cyanate at temperatures in excess of 100° C.

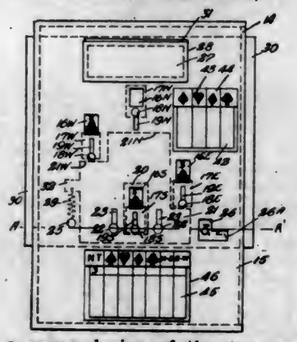
16. In the art of making insecticides the process comprising mixing a dichlorethyl ether with an N,N-alkyl-acyl-cyclohexylamine and heating at a temperature in excess of 100° C.

2,204,198
ARRANGEMENT FOR CARRIER FREQUENCY MODULATION
Alfred Wiessner, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company of Germany
Application June 11, 1937, Serial No. 147,597
In Germany June 13, 1936
2 Claims. (Cl. 179—171.5)



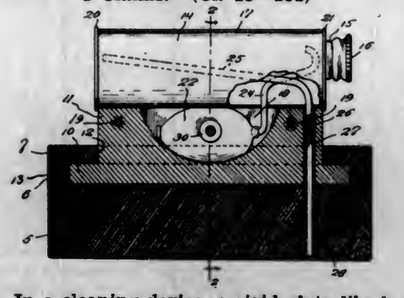
1. A carrier generation and modulation system for generating a carrier frequency and simultaneously modulating it in accordance with audio frequency waves, comprising a self-excited carrier frequency generator including a thermionic vacuum tube oscillator having a control grid, and rectifier means for freely transmitting to said grid those potential changes of said audio frequency which tend to render said grid more positive but for blocking from said grid those potential variations of said audio frequency which tend to render said grid more negative, whereby the extinction of oscillations by said audio frequency is prevented.

2,204,199
GAME APPARATUS
Russell Leo Willis, Steubenville, Ohio
Application June 22, 1938, Serial No. 215,086
5 Claims. (Cl. 35—8)



1. In a game device of the type described a manually movable card member on which are inscribed indicia representing the card-value holdings and the sequence of play thereof of four players, the indicia on said card being arranged in four substantially parallel rows of which the two exterior rows represent respectively the card-value holdings of two players who are partners in the game and the two interior parallel rows represent the card-value holdings respectively of two other players who are partners opposing the aforementioned partners.

2,204,200
FOUNTAIN CLEANING DEVICE
John A. Wisner, Baltimore, Md.
Original application November 27, 1935, Serial No. 51,929. Divided and this application August 5, 1937, Serial No. 157,601
4 Claims. (Cl. 15—131)

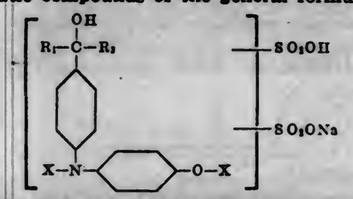


1. In a cleaning device, a rigid plate-like back member having a central upwardly projecting longitudinal rib, a handle-forming reservoir for a chemical cleaning solution secured upon said rib, manually operable means for discharging limited quantities of the cleaning solution from said reservoir, the upstanding rib of the back member having a recess in the top thereof, said

cleaning solution discharging means including an air pressure pump of the bulb type arranged within said recess and having an air discharge pipe extending into said reservoir whereby the cleaning solution in the latter may be placed under pressure, a discharge pipe communicaing with the interior of the reservoir and projecting downwardly therefrom, and the back member and its rib having a passage receiving the projecting portion of said discharge pipe.

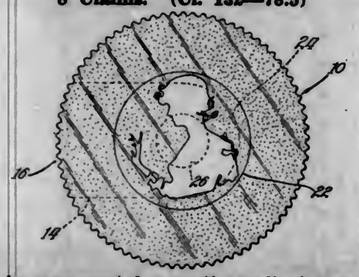
2,204,201
ACID DYESTUFFS OF THE INDOLYLDIPHENYL-METHANE SERIES
Paul Wolff and Emil Beniers, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application May 13, 1938, Serial No. 207,789. In Germany May 25, 1937
3 Claims. (Cl. 260—319)

1. The compounds of the general formula:



wherein X represents an alkyl of the group consisting of methyl and ethyl, R_1 is a radical selected from the class consisting of sulfonated phenyl and sulfonated -N-alkyl-diphenylamine radicles, and R_2 is an N-alkyl-indole radical which is substituted in alpha-position by a phenyl radicle and is bound in its beta-position to the methane carbon atom of the compound, said compounds being acid dyestuffs yielding tints of good fastness properties.

2,204,202
COSMETIC APPLICATOR
Charles E. Zimmerman, Chicago, Ill.
Application October 30, 1939, Serial No. 301,892
8 Claims. (Cl. 132—78.5)



1. An ornamental cosmetic applicator comprising a pad-like body formed of porous rubber material having pores varying in sizes up to a maximum of the order of magnitude of 0.075 inch and having a density of approximately 0.0040 pound per cubic inch, said body having formed on one face thereof a skin having pores smaller than the pores in the remainder of said body so that it is relatively impervious to pulverulent materials but permeable to liquids and gases; and a thin design applique covering at least the central portion of said skin formed of colored flexible and elastic material which adheres to said skin but permits cleansing of said body.

2,204,203
APPLICATION OF COSMETICS
Charles E. Zimmerman, Chicago, Ill.
Application November 13, 1939, Serial No. 303,943
20 Claims. (Cl. 132—78.5)



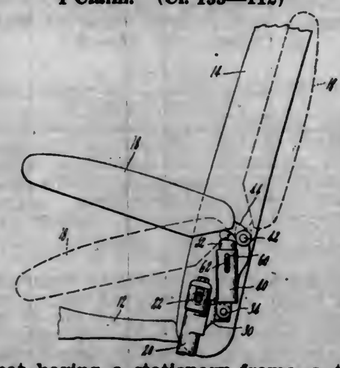
1. A cosmetic applicator comprising a pad-like body of porous latex rubber having pores of varying sizes; said pores communicating with one another and rendering the body pervious to pulverulent materials; said body having a skin formed on one side face and around the edge only; said skin being relatively impermeable to pulverulent materials, but permeable to liquids and gases.

2,204,204
ELECTRIC DISCHARGE DEVICE
Otto Baier, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application May 13, 1938, Serial No. 207,753
In Germany May 13, 1937
1 Claim. (Cl. 250—27.5)



An electric discharge tube comprising an envelope, a base portion of ceramic material having radial slots and being united with said envelope, a plurality of electrodes located within said envelope, and leading-in conductors to said electrodes, said leading-in conductors passing perpendicularly through said base portion and having portions extending at right angles through said slots radially outwards with respect to the centre of the tube.

2,204,205
ARMREST SUPPORT
Alfred B. Bell, Gardner, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application August 4, 1937, Serial No. 157,295
1 Claim. (Cl. 155—112)



A seat having a stationary frame, a tubular upstanding link hinged to said frame and rockable in a front-to-rear plane, means adjacent to

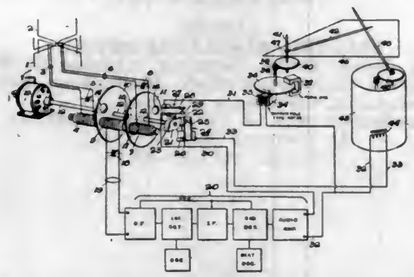
the hinge limiting the rocking movement of said link, a plunger normally projecting from the upper end of said link, a spring within said link pressing said plunger upward, a bracket on said link near the upper end thereof, an armrest pivotally attached to said bracket, and means for limiting the pivotal movement of said armrest relative to said bracket, said last-named means including said plunger and an abutment element on said armrest arranged to engage said plunger when the armrest is moved to its horizontal position for use.

2,204,206

DIRECTION FINDING APPARATUS

Reed R. Brunner, Chevy Chase, Md., assignor to United Air Lines Transport Corporation, Chicago, Ill., a corporation of Delaware

Application February 25, 1939, Serial No. 258,509
8 Claims. (Cl. 250—11)



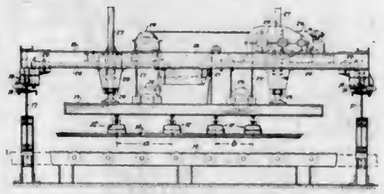
8. In radio direction finding apparatus, a source of signals, two directional antennae, a radio receiver having means to produce an alternating current output, means for alternately coupling said antennae to said receiver, an indicator including a pair of current integrating means, a circuit connected to each of said integrating means, and switch means connected to the output of said receiver and operated conjointly with said antennae coupling means to alternate the output of said receiver between said circuits.

2,204,207

METHOD OF HANDLING MAGNETIZABLE PLATES AND APPARATUS THEREFOR

Clifton R. Coburn, Youngstown, Ohio, assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a corporation of New Jersey

Application April 18, 1938, Serial No. 202,655
12 Claims. (Cl. 214—8.5)



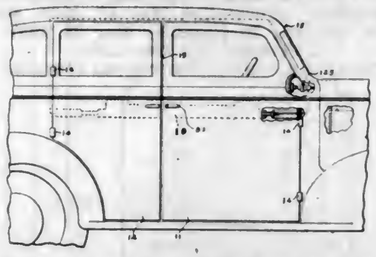
1. The method of transferring magnetizable plates in groups from a stock pile and depositing them from the transferred group one by one at a desired delivery station or stations which comprises, positioning an electromagnetic lifting device on the top of the stock pile, energizing the device sufficiently to cause a plurality of the plates to cling to the device and to each other due to magnetic attraction, then positioning the device above a delivery station, intermittently decreasing the energizing current of the device in controlled varying amounts to free the plates one by one so that they drop off serially onto the delivery station above which the device is positioned, and after each such decrease in current again increasing the current supplied to the device sufficiently to retain the remainder of the plates in position thereon.

2,204,208

LATCH FOR AUTOMOTIVE VEHICLE DOORS

Burnie J. Craig, Los Angeles County, Calif.

Application August 22, 1939, Serial No. 291,341
36 Claims. (Cl. 180—82)



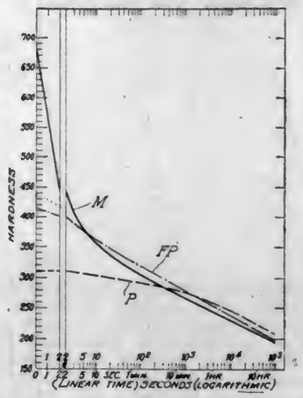
1. In an automotive vehicle door latch, a bolt movable to engaged and released positions, a handle and vehicle speed influenced means movably mounted on the handle for releasing the bolt.

2,204,209

METHOD OF HEAT TREATING STEEL AND THE METALLURGICAL PRODUCT PRODUCED THEREBY

Edmund S. Davenport, Chatham, N. J., and Edwin H. Engel, Vandergrift, Pa., assignors to United States Steel Corporation, a corporation of New Jersey

Application October 5, 1938, Serial No. 233,464
12 Claims. (Cl. 148—21.5)



1. The method of treating a quench hardened steel having a hardened exterior portion consisting mainly of martensite and a softer interior core consisting mainly of pearlite to render the exterior portion softer than the interior core, which comprises heating the steel to a temperature at which the rate of softening of the exterior portion is greater than the rate of softening of the interior core and maintaining the temperature until the exterior portion has acquired a hardness lower than the said core.

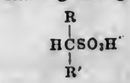
2,204,210

PREPARATION OF SECONDARY ALKYL SULPHONIC ACIDS

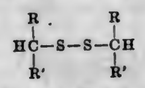
Mark Wendell Farlow, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 15, 1938, Serial No. 245,909
7 Claims. (Cl. 260—513)

1. A process of making secondary alkyl monosulphonic acids having the general formula:



in which R and R' each denotes a saturated aliphatic hydrocarbon radical and the group R—C—R' contains at least 10 carbon atoms in a straight chain which comprises oxidizing secondary dialkyl disulphides having the general formula:



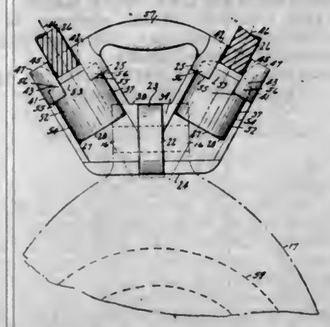
in which R and R' each denotes a saturated aliphatic hydrocarbon radical and each of the groups R—C—R' contains at least 10 carbon atoms in a straight chain.

2,204,211

DEVICE FOR HANGING TRIP LINE CORNER BLOCKS

Jesse W. Forrester, Marshfield, Oreg.

Application August 9, 1938, Serial No. 223,834
3 Claims. (Cl. 254—194)



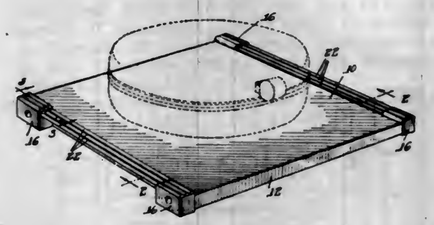
1. In a device for hanging a trip line corner block to an anchorage, the combination of a wire rope strap having a thimble on each end thereof; an interconnection which includes a pair of chambered portions formed to receive the thimbled strap ends to form a loop with said strap to encircle the anchorage, a tie member positioned between the lower ends of said chambered portions to hold them apart to form an open space therebetween above said tie member, and a tie portion between the upper ends of said chambered portions bridging said open space and formed to constitute a hand grip for carrying said interconnection; and a block provided with means for securing said block to the tie member; said strap, interconnection, and block, being in consecutive axial alignment under strain.

2,204,212

HANDLE AND BASE CONSTRUCTION FOR AN ELECTRICAL APPLIANCE

James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application April 24, 1939, Serial No. 269,637
7 Claims. (Cl. 65—53)



7. In an appliance of the class described, a base plate for supporting the appliance and having a flange adjacent a side margin thereof, a handle construction secured to said flange, said handle construction comprising an elongated manually engageable member located in spaced relation to said flange, a pair of blocks for supporting said elongated member, each of said blocks having a recess extending only partially through the block from a side face thereof, the opposed extremities of said elongated member residing freely within the recesses, and said blocks being fixed to said flange in spaced relationship with the recesses oppositely facing for permanently retaining said elongated member therewithin.

2,204,213

STIMULATION OF PLANT GROWTH BY THE TREATMENT OF SEEDS

Nathaniel Hew Grace, Ottawa, Ontario, Canada, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of Canada

No Drawing. Application June 27, 1938, Serial No. 217,819. In Canada August 20, 1937
4 Claims. (Cl. 47—58)

1. A method of stimulating and increasing the germination of seeds and growth of seedlings which comprises mixing the seed before planting with an adsorptive, adherent dust having intimately incorporated therein 0.1 to 10% of hormone chemicals, the proportion of hormone-chemical-dust mixture being 2 to 500 parts per million parts by weight of seed.

2,204,214

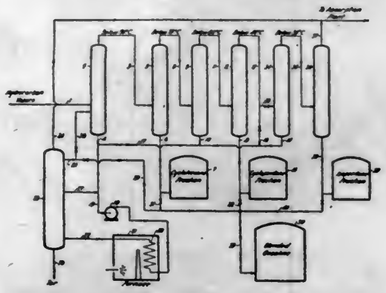
STIMULATION OF GROWTH FROM PLANT CUTTINGS

Nathaniel Hew Grace, Ottawa, Ontario, Canada, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of Canada

No Drawing. Application November 30, 1939, Serial No. 306,840. In Canada October 25, 1937
10 Claims. (Cl. 47—58)

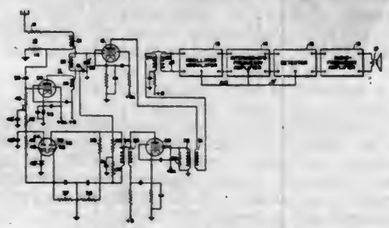
1. A method of initiating root formation and growth in plant stem cuttings which comprises causing to adhere to moist and freshly cut stem portions of live plants dust containing at least one non-gaseous, organic, synthetic hormone chemical, in the proportion by weight of not less than 10 and less than 2000 parts per million parts of dust, and planting the so-treated cuttings.

2,204,215
MANUFACTURE OF MOTOR FUEL
Bernard Sutro Greensfelder, Martinez, and Russell Norman Shiras, Long Beach, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 15, 1936, Serial No. 85,196
7 Claims. (Cl. 44—9)



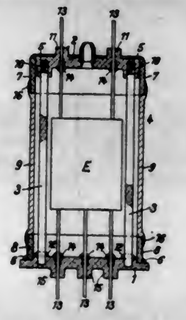
1. A gasoline-type motor fuel of normal vapor pressure consisting essentially of a blend of a depentanized portion of a gasoline distillate having a subnormal vapor pressure and a quantity of a cyclopentane fraction obtained by distillation of petroleum oil containing said fraction consisting essentially of naphthenic and branched chain aliphatic hydrocarbons and being substantially free from aromatic and normal paraffinic hydrocarbons.

2,204,216
ATTENUATOR CIRCUIT
Daniel E. Harnett, Tuckahoe, and John F. Farrington, Flushing, N. Y., assignors to Hazeltine Corporation, a corporation of Delaware
Application April 7, 1938, Serial No. 200,610
11 Claims. (Cl. 250—20)



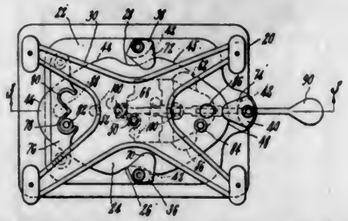
1. In a modulated-carrier signal receiver comprising an input circuit and a vacuum tube having an input circuit in the signal-translating channel of the receiver and comprising the first signal-translating tube of the receiver, an attenuator comprising a first feed-forward coupling circuit for coupling said input circuit of said receiver to said input circuit of said vacuum tube, a second feed-forward coupling circuit substantially nonfrequency-selective over the tuning range of the receiver and including a repeater and terminal circuits individually coupled to said input circuit of said receiver and to said input circuit of said vacuum tube, said second coupling circuit and its terminal circuits providing a system substantially nonfrequency-selective over the sideband range of received signals, said second coupling circuit and its coupling to the input circuit of said tube comprising means for developing therein potentials opposite in phase to those developed therein by said first coupling circuit, and means for controlling the repeating ratio of said second coupling circuit in accordance with the amplitude of received signals.

2,204,217
ELECTRON TUBE
Felix Herriger, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof (Germany), Lorenzweg, a company
Application September 10, 1938, Serial No. 229,246
In Germany September 20, 1937
8 Claims. (Cl. 250—27.5)



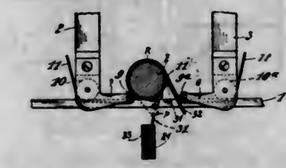
1. An electron tube having two ceramic cover discs and a cylindrical closure member extending therebetween, said closure member comprising a ceramic ring fastened to one of said cover discs, a ceramic ring fastened to the other of said cover discs and a cylinder of different material interconnecting said ring.

2,204,218
REVERSING CAR-SEAT BASE
Oiva E. Hill, Gardner, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application December 24, 1937, Serial No. 181,546
9 Claims. (Cl. 155—96)



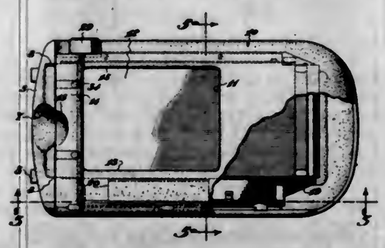
9. A reversible seat-base mechanism comprising a stationary pedestal having a plane upper surface, a seat carriage including an oval plate slidable on said surface to reverse the carriage from positions in which the minor diameter of the oval plate is in a front-to-rear direction, a pair of fixed fulcrum elements adjacent to the ends of said minor diameter of the plate, a third fulcrum element adjacent to an end of the major diameter of the plate, hold-down elements projecting from said fulcrum elements to overlap marginal portions of said plate, and means for restricting the movement of said plate on said surface so that the plate engages said fulcrum elements in succession during a reversing movement.

2,204,219
CIGAR BANDING MACHINE
Ernst Hermann Jähne and Rudolf Erich Schleehahn, Dresden, Germany, assignors, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application November 27, 1937, Serial No. 176,794
In Germany December 1, 1936
6 Claims. (Cl. 216—9)



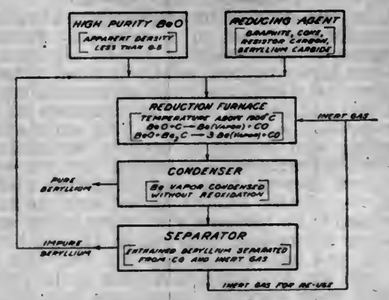
1. A cigar banding machine, comprising means for holding a cigar, a pair of fingers for bending a band about the cigar, one of said fingers first partially embracing one portion of the band around the cigar, allowing the adjacent end to project from the cigar, air jet means for completing the enveloping movement of said end of said band, and means moving the other finger to move the other end of the band circumferentially around the cigar.

2,204,220
AUTOGRAPHIC REGISTER
Russell Katz, Hamilton, and Harry J. Waechter, Mount Healthy, Ohio, assignors to Paul Benninghofen and Fritz G. Diesbach, both of Hamilton, Ohio, as trustees
Application February 6, 1939, Serial No. 254,822
18 Claims. (Cl. 282—12)



1. A housing for autographic registers and like machines, said housing formed of a molded plastic and comprising: a base and a cover hinged together, the base being of shallow interior and having a centrally longitudinally channelled bottom producing ledges at the opposite longitudinal sides for the support and mounting of a chassis containing the working parts of the machine, and a front wall of higher elevation than the sides of the base having its upper edge recessed to provide shoulders for guiding the record strip in its withdrawal from the housing, the front wall centrally having a concavity for clearance to obtain a finger hold upon the leading end of the record strip, and the cover of deep wall formation resting upon the sides and rear end of the base, its front end adjoining the inner side of the elevated front wall of the base, the top of the cover having an opening therein to frame and expose a form length of record strip sustained upon a writing platen beneath the top of the cover, the forward margin of the top of the cover bridging the recess in the front wall of the base and therewith providing an outlet for the record strip and a tear edge for record strip severance, and a sheet metal chassis within the housing fixed to the base thereof providing a container for a record strip packet, the top of the chassis providing a writing platen immediately beneath the top of the housing cover, framed by the open forward portion of the cover.

2,204,221
PROCESS FOR PRODUCING BERYLLIUM
Bengt R. F. Kjellgren, Rocky River, and Charles B. Sawyer, Cleveland Heights, Ohio, assignors to The Brush Beryllium Company, Cleveland, Ohio, a corporation of Ohio
Application September 18, 1939, Serial No. 295,474
4 Claims. (Cl. 75—84)



1. In a process for recovering beryllium by thermal reduction wherein beryllium oxide is decomposed by reaction with carbonaceous reducing agent at temperatures above about 1900° C. and wherein the reduced beryllium is removed from the reaction zone in vapor form and subsequently condensed, the step of using high purity beryllium oxide having an apparent density of less than 0.5.

2,204,222
BOARD FOR DROP HAMMERS
George H. Lawrence, Chicago, Ill.
Application October 6, 1937, Serial No. 167,608
7 Claims. (Cl. 78—29)



6. A hammer board comprising a plurality of separate sheets of fibrous material, readily detachable clamping means engaging the outermost sheets near their lower ends and holding said outer sheets in face-abutting but unconnected relationship to an intermediate sheet, and means separate from said clamping means for connecting said intermediate sheet to a ram, said outer

sheets terminating short of the connection of the intermediate sheet with the ram, whereby the outer fibre sheets may be removed and reversed without disconnecting the hammer from the intermediate sheet.

2,204,223

METHOD OF TREATING OIL AND GAS WELLS

Howard C. Lawton and Albert G. Loomis, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 30, 1939, Serial No. 253,604

5 Claims. (Cl. 166—21)

1. In the process of selectively sealing off a formation traversed by a well, said formation comprising water-bearing layers adjacent oil-bearing layers holding relatively small quantities of connate water, the steps of introducing into the well and forcing into the formation an inert non-aqueous solvent miscible with water and oil, allowing said solvent to dissolve the formation waters, withdrawing the solvent and the waters dissolved therein from the formation and the well, whereby the water removed with the solvent is caused to be replaced with water in the water-bearing layers and with oil in the oil-bearing layers, and introducing into the well and forcing into the formation a sealing agent forming oil and water insoluble compounds by hydrolysis, whereby a sealing precipitate is caused to form within the water-bearing layer.

2,204,224

PROCESS FOR TREATING OIL WELLS

Donald A. Limerick and Howard C. Lawton, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 28, 1938, Serial No. 192,963

3 Claims. (Cl. 166—21)

1. In the process of cleaning wells from high-melting organic deposits comprising paraffinic matter, the steps of introducing thereinto a comminuted electropositive metal, an aqueous solution of an inorganic acid, and an inorganic oxidizing agent selected from the group consisting of water-soluble metal nitrates, chlorates, perchlorates, chromates, dichromates, permanganates, and persulfates, causing nascent hydrogen to be evolved by the action of the acid on the electropositive metal, causing the oxidizing compound to be reduced by the nascent hydrogen in acid reaction, allowing the heat generated by the interaction of said agents to melt the paraffinic deposits within said wells and removing from the wells the matter melted by said heat.

2,204,225

METHOD OF AND MEANS FOR PURIFYING WATER

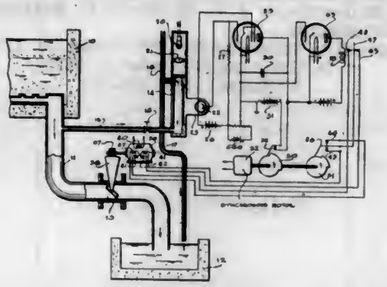
Frederick G. Merckel, Montclair, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

Application June 27, 1936, Serial No. 87,627

Renewed November 23, 1938

10 Claims. (Cl. 210—125)

4. In a method of controlling the rate of flow of liquid through a solid-removing purifying apparatus, in combination, the steps of photo-electrically scanning the effluent, converting variations in turbidity of the scanned effluent into variations in electric current, and converting variations of the electric current into variations in the



rate of flow of the liquid to vary the rate of flow inversely in accordance with the turbidity.

2,204,226

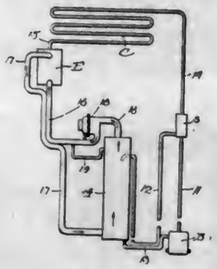
ABSORPTION REFRIGERATING APPARATUS

Rudolph S. Nelson, Larchmont, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application June 10, 1935, Serial No. 25,732

Renewed October 27, 1939

18 Claims. (Cl. 62—119.5)



1. A fluid circulator adapted for use in a continuous absorption refrigerating system, said circulator including fluid conduit means, a movable element, electromagnetic means for actuating said movable element, means forming chambers on the opposite sides of said element, a nozzle connected to each of said chambers and to said fluid conduit means, the arrangement being such that fluid may be drawn from said fluid conduit means into the chambers through each of said nozzles and expelled therefrom in the form of jets into said fluid conduit means when said electromagnetic means is energized whereby said jets aid each other in maintaining flow in the conduit means.

2,204,227

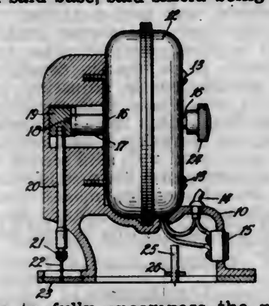
PAPER CUTTER

Clarence H. Richardson, Peoria, Ill.

Application January 26, 1939, Serial No. 252,844

2 Claims. (Cl. 164—89.5)

1. A paper cutter including a base, a motor mounted on said base, reciprocating driving means on one end of said shaft, a reciprocating chuck bar driven by said driving means, a cutting needle in said chuck bar, and a glass needle shield in said base, said shield being of sufficient



thickness to fully encompass the needle in its entire reciprocating movement.

2,204,228

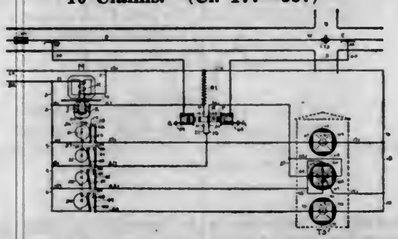
TRAFFIC SIGNAL

Frank H. Richterkessing, Louisville, Ky., assignor to Nachod & United States Signal Co., Incorporated, Louisville, Ky., a corporation of Kentucky

Application August 24, 1928, Serial No. 301,799

Renewed June 18, 1934

10 Claims. (Cl. 177—337)



5. A traffic control system to be applied at the intersection of vehicle lanes and including signaling means for alternately according and interrupting right-of-way to the said lanes, normally active timer means for timing the alternating periods of right-of-way, and means responsive to the presence of a vehicle in one of said lanes approaching the intersection, for arresting the operation of the said timer to retain the right-of-way accorded to the said one lane, and means responsive the instant the vehicle clears the intersection to restore the timer to its normally active condition.

2,204,229

AZO DYES

Swanie S. Rossander and Chiles E. Sparks, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

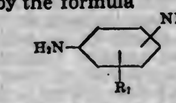
No Drawing. Application March 29, 1939, Serial No. 264,836

10 Claims. (Cl. 260—145)

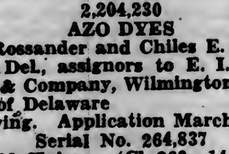
1. A compound represented by the formula

$$A{\leftarrow}X{\rightarrow}Y{\rightarrow}Z{\rightarrow}w$$

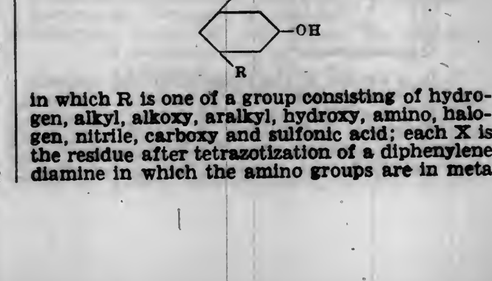
in which X is a meta- or para-diamino benzene represented by the formula



in which R_1 is at least one of a group consisting of hydrogen, alkyl, alkoxy, nitro, nitrile, sulfonic acid and carboxy; Y and Z are each a compound represented by the formula



in which R_3 is at least one of a group consisting of hydrogen, alkyl, and alkoxy, R_4 is at least one of a group consisting of hydrogen, alkyl, alkoxy, sulfonic acid and carboxy, n is an integer not greater than 2 and m is an integer not greater than 2; w is one of a group consisting of the naphthols represented by the formulae



in which R_3 is one of a group consisting of hydrogen, alkyl, an alkoxy, R_4 is at least one of a group consisting of hydrogen, alkyl, alkoxy, sulfonic acid and carboxy, m is an integer not greater than 2, one X_1 is sulfonic acid and the other is hydrogen and one Y_1 is hydroxy and the other is hydrogen; and A is a meta-dihydroxy benzene represented by the formula

in which R is one of a group consisting of hydrogen, alkyl, alkoxy, hydroxy, amino, halogen, nitrile, carboxyl and sulfonic acid.

3. The metallic complexes of the compounds of claim 1.

2,204,230

AZO DYES

Swanie S. Rossander and Chiles E. Sparks, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

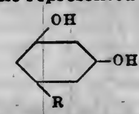
No Drawing. Application March 29, 1939, Serial No. 264,837

18 Claims. (Cl. 260—144)

1. A compound represented by the formula

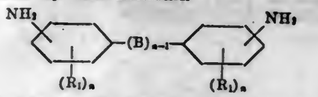
$$A{\leftarrow}X{\rightarrow}Y{\rightarrow}Z{\leftarrow}X{\rightarrow}A$$

in which A is the residue after coupling of a meta-dihydroxy benzene represented by the formula

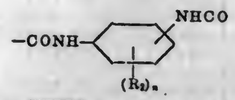


in which R is one of a group consisting of hydrogen, alkyl, alkoxy, aralkyl, hydroxy, amino, halogen, nitrile, carboxy and sulfonic acid; each X is the residue after tetrazotization of a diphenylene diamine in which the amino groups are in meta

or para positions to the bridged carbons and are represented by the formula



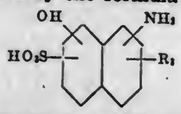
in which B is one of a group consisting of —O—, —S—, —NH—, —NHCONH—, —NHCSNH—, —CONH—, —(CONH(CH₂)ₘNHCO)—, —HC=CH—



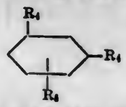
wherein the —NHCO— groups are meta or para to each other, —O(CH₂)ₘO—, —S(CH₂)ₘS—, —N=N—,



and —(CH₂)ₘ—, *n* is an integer not greater than 2, *m* is 2 to 7, R_1 and R_2 are each from the group consisting of hydrogen, alkyl, alkoxy and halogen; Y is the residue of an amino naphthol sulfonic acid represented by the formula



in which amino is in one of the positions 1 and 2 and R_3 is one of a group consisting of hydrogen, alkyl, alkoxy, aralkyl, nitro, halogen, nitrile, sulfonic acid and carboxy; and Z is the residue of a compound represented by the formula



in which R_5 is one of a group consisting of hydrogen, alkyl, alkoxy, phenyl-alkoxy, hydroxy, amino, alkylated amino, halogen, CN and sulfonic acid and the R_4 groups are like or different members of a group consisting of amino, alkylated amino and hydroxy.

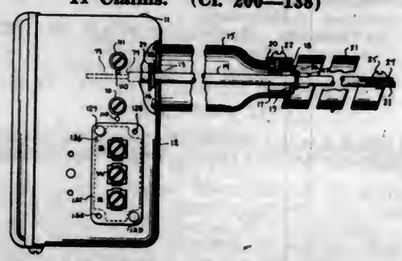
2,204,231

COMBINATION THERMOSTATIC SWITCH

Chester A. Rudolph, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 29, 1938, Serial No. 205,056

11 Claims. (Cl. 200—138)



1. In a device of the class described comprising in combination, a first switch, a second switch, a condition responsive device, a first operating means operatively associated with said condition responsive device for operating said first switch in one direction at one condition value and in the other direction at a second condition value, a second operating means operatively associated with said condition responsive device for operating said second switch in one direction at a third condition value and in the other direction at a fourth condition value, means for simultaneously adjusting the condition values at which said first operating means operates said first switch in each direction without affecting the operation of said second switch, and means associated with said second operating means for adjusting said third condition value at which said second operating means operates said second switch without substantially affecting the operation of said first switch or said fourth condition value.

2,204,232

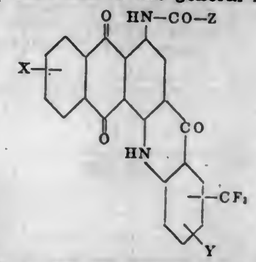
VAT DYESTUFFS OF THE ANTHRAQUINONE-ACRIDONE SERIES

Hans Schlichenmaier and Ludwig Wilhelm Berlin, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application April 7, 1938, Serial No. 200,675. In Germany April 27, 1937

6 Claims. (Cl. 260—277)

1. The compounds of the general formula:



wherein X represents a member of the group consisting of hydrogen, chlorine and acetylamino, and Y represents a member of the group consisting of hydrogen and halogen, Z being a member of the group consisting of phenyl, naphthyl, tetrahydrophenyl and tetrahydronaphthyl radicals, being vat-dyestuffs yielding vivid tints of good fastness properties.

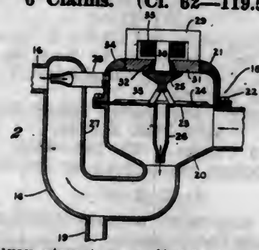
2,204,233

ABSORPTION REFRIGERATING APPARATUS

Howard L. Schug, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application March 13, 1939, Serial No. 261,478

6 Claims. (Cl. 62—119.5)



1. A pump structure suitable for use in the inert gas circuit of an absorption refrigeration apparatus comprising a casing housing a vibratable diaphragm, a gas conduit communicating with said casing, a gas nozzle having a discharge portion co-axial with a part of said conduit and so

arranged with respect to said diaphragm that vibration thereof will alternately withdraw gas from the lateral sides of the nozzle discharge and eject gas axially thereof, and means for actuating said diaphragm including an electromagnet having a core with a tapered end, a corresponding opening in said casing, and means securing said core in said opening and in operative position with respect to said diaphragm whereby said casing is sealed against the escape of gas.

2,204,234

TREATMENT OF HYDROCARBON OILS

Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application November 9, 1938, Serial No. 239,732

7 Claims. (Cl. 196—29)

1. A process for sweetening and stabilizing petroleum oil of the type of naphthas, kerosenes, heating oils and the like, comprising, admixing air with the said oil, percolating the admixture of oil and air through a solid adsorbent material consisting of fuller's earth impregnated with a solution of a soluble copper salt and a soluble chloride salt, then contacting the mixture of oil and unreacted air with a solid adsorbent material consisting of fuller's earth impregnated with an aqueous solution of a non-oxidizing acid compound insoluble in the oil, said solution having a pH in the range of about 1 to 4.

2,204,235

ANTI-THUMB-SUCKING DEVICE

Donald D. Shelton, Portland, Oreg.

Application November 15, 1937, Serial No. 174,643

2 Claims. (Cl. 128—133)



2. In a device of the class described, the combination of a body element made of stretchable material and made of a single piece, tabs each having a plurality of strips disposed therein outwardly extending from one of the longitudinal edges of the body element, straps formed integral with and outwardly extending from the other one of the longitudinal edges of the body element with said pad and tabs being in registry with each other and with the straps adapted for being passed through the slits of the body element to maintain the body element upon the arm of the wearer, a rib outwardly extending on one side of the body element, and a head being curved on its one end outwardly extending from one edge of the body element, abutting walls formed adjacent the end of the rib and the head forming buttresses adapted for engaging each other to limit the freedom of flexing of the body element adjacent the juncture of the head and the rib.

2,204,236

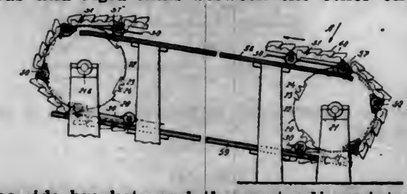
CONVEYER MECHANISM

Harold W. Shonnard, Montclair, N. J.

Application September 16, 1938, Serial No. 230,215

8 Claims. (Cl. 198—151)

1. Conveyer mechanism comprising longitudinally spaced pairs of laterally spaced sprockets, rails intermediate the longitudinally spaced sprockets, transverse rods supported on the rails, a plurality of rigid carrying members supported on said rods, each of said carrying members comprising a pair of side brackets and a plurality of transverse molds affixed to said brackets, there being a direct pivotal connection between one end of each bracket and one of the transverse rods and rigid links between the other end of



the side brackets and the next adjacent transverse rod, and a series of flexible links, each link comprising a pair of pivotal shackles and an interconnecting flexible element, said rods passing through the shackles and interconnecting the flexible links, said sprockets having arcuate supports for the flexible elements and one of the laterally spaced sprockets being arranged to drive the rods.

2,204,237

ALARM CABLE AND SWITCH

Charles M. Slack, Glen Ridge, and George G. Cromartie, Maplewood, N. J.

Application August 20, 1938, Serial No. 225,852

14 Claims. (Cl. 200—142)



1. The combination of a pair of elongated conductors, each of said conductors including a plurality of conducting strands, electrical insulating means for said conductors, said insulating means located in close proximity to each other at places along the length thereof, a plurality of thermally responsive switching means spaced from each other at intervals along the length of said conductors, the major portion of said switching means located between said insulating means and disposed lengthwise along the length of said insulating means, said insulating means being in close proximity to said switching means along the length of said switching means and means extending through said insulators and electrically connecting said conductors and said switching means, a portion of said last mentioned means located between a plurality of said strands of one of said conductors.

2,204,238

PICTURE TELEGRAPH APPARATUS

Helmut Steiner, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company

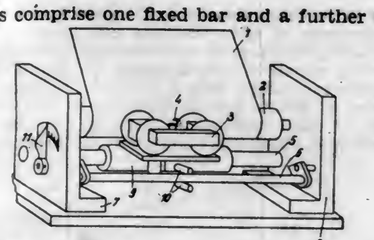
Application August 24, 1938, Serial No. 226,439

In Germany August 24, 1937

3 Claims. (Cl. 178—13)

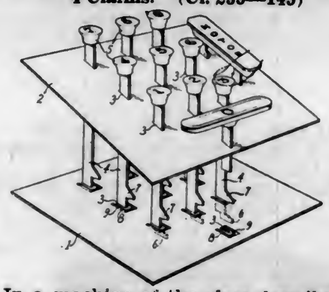
1. In a picture telegraph apparatus having a record carrier guided on a platten, a writing equipment, means for moving said equipment in a longitudinal direction perpendicular to the direction of the record carrier advancement, and means for guiding said writing equipment, which

means comprise one fixed bar and a further bar



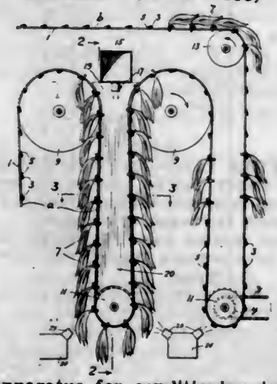
which is eccentrically adjustable relative to said fixed bar.

2,204,239
CALCULATING MACHINE KEYBOARD
Oscar W. Swanson, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 24, 1938, Serial No. 247,713
4 Claims. (Cl. 235—145)



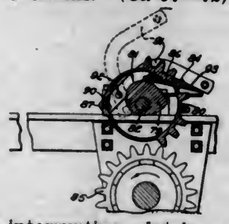
1. In a machine of the class described, a keyboard including a plate having an aperture, and being cut away around the greater portion of said aperture to form a tongue through which said aperture extends, a depressible key having a stem extending through the aperture, and a stop on said stem for limiting movement of the key by striking said tongue.

2,204,240
METHOD AND APPARATUS FOR CONDITIONING TOBACCO
Rush D. Touton, Cynwyd, Pa., assignor to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 11, 1936, Serial No. 63,313
8 Claims. (Cl. 131—136)



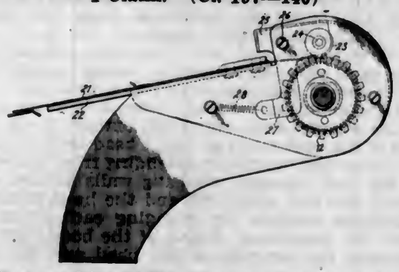
1. In apparatus for conditioning tobacco including a chamber and means for circulating conditioned gas within the chamber, the combination of a conveyor for the tobacco positioned within the chamber and having a pair of substantially vertical reaches, a plurality of plates positioned between said vertical reaches adjacent the edges of said conveyor and extending substantially the entire length and width of the gap between said reaches, and means for introducing conditioned gas into the space between said reaches and inside of said plates.

2,204,241
CLUTCH MECHANISM
Austin E. Young, Syracuse, N. Y., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y., a corporation of New York
Application August 29, 1938, Serial No. 227,241
9 Claims. (Cl. 97—72)



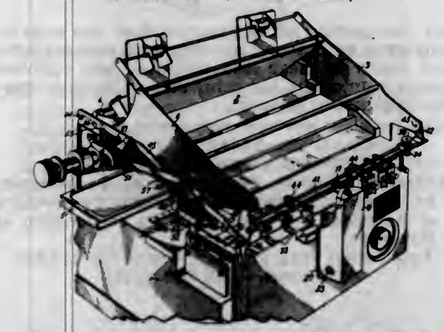
1. A self interrupting clutch comprising, in combination, a driving gear, a driven mutilated gear member having teeth adapted to mesh with the teeth of said driving gear and rotate therewith through a portion of a revolution, control means engageable with said driven member for holding the latter out of engagement with said driving gear in either of two positions, means engaged by said control means and coacting therewith for engaging said driven member with said driving gear, and link means connected with said driven member.

2,204,242
ADJUSTABLE PAPER STOP FOR ACCOUNTING MACHINES
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 25, 1937, Serial No. 150,366
1 Claim. (Cl. 197—140)



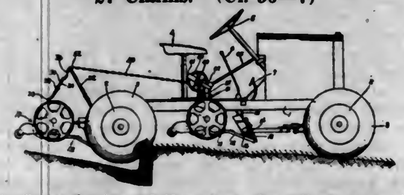
In a machine of the class described, an adjustable paper stop device including a paper stop, a flexible apertured tape connected thereto, a toothed reel on which the tape is wound, retaining means for holding the tape in engagement with the teeth at the point where the tape leaves the reel, and means for moving the retaining means toward the tape and reel to keep the retaining means in contact with the tape as the latter is unwound from the reel.

2,204,243
PAPER CARRIAGE FOR ACCOUNTING MACHINES
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 25, 1937, Serial No. 150,367
13 Claims. (Cl. 197—127)



12. In a machine of the class described, a traveling paper carriage, a front feed mechanism thereon, and a cam member for opening and closing the front feed mechanism during travel of the carriage.

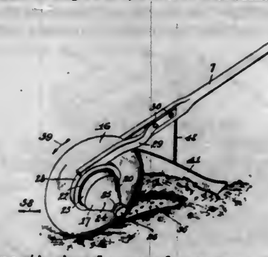
2,204,244
POWER GANG LAWN MOWER
George F. Bishop, San Francisco, Calif., and Amos F. Moyer, Minneapolis, Minn., assignors, by mesne assignments, to Toro Manufacturing Corporation of Minnesota, a corporation of Minnesota
Application June 16, 1933, Serial No. 676,086
Renewed July 15, 1938
27 Claims. (Cl. 56—7)



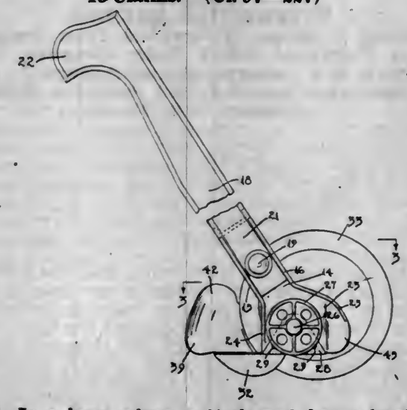
1. In a device of the class described, a motor-driven vehicle, a mower unit, means operatively attaching the unit to the vehicle to be drawn thereby and to permit vertical swinging motion, a shaft on the vehicle, means by which the shaft controls raising and lowering of the unit, a lever, and means by which it controls the shaft to obtain raising or lowering of the unit, ratchet means for securing the shaft against rotation in unit-lowering direction including a detent, and means controlled by said shaft control means for holding the detent in release position while said shaft control means is manipulated to lower the unit.

2,204,245
SEED PLANTER
Eugene Bower, Angola, N. Y.
Application August 3, 1938, Serial No. 222,857
5 Claims. (Cl. 111—82)

2. A seed planter, comprising a frame, a furrow-forming disk rotatably mounted on said frame, a seed receptacle co-axial with said furrow-forming disk and rotatable therewith, said seed receptacle having a circular series of feed openings therein, and controlling means surrounding said seed receptacle at the region of said feed openings to control the feeding of seed from said receptacle, said controlling means having a parti-circular seed passage receiving seed from said receptacle and including means to direct the seed into the trough formed by said furrow-forming disk.



2,204,246
LAWN EDGER
James A. Brooks, Minneapolis, Minn.
Application December 27, 1937, Serial No. 181,948
15 Claims. (Cl. 97—227)

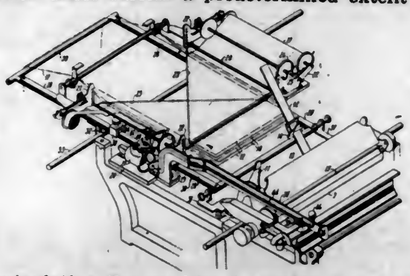


1. In a lawn edger, a U-shaped frame having two spaced reaches providing a space therebetween, said frame being channel-shaped in cross section and formed with a web and flanges issuing therefrom, said web being disposed upon the interior of the frame, a cutting disc disposed within said space, means for rotatably supporting said cutting disc, said means being attached to the web of one of said reaches and being free of the other reach, means cooperating with said disc to remove sod and a handle attached to said frame upon the exterior thereof and received between the flanges of the frame.

2,204,247
MANIFOLDING TYPEWRITING MACHINE
Frank Kelso Davis, Silver Spring, Md., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application February 18, 1939, Serial No. 257,197
7 Claims. (Cl. 197—126)

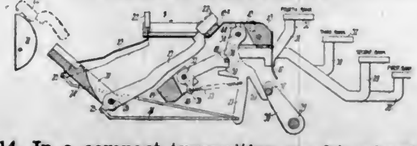
1. In a manifolding typewriting machine for typing on a work web with carbon sheets interleaved therewith, having a platen, work web severing means, a carbon sheet carrier reciprocable relative to the platen for feeding and retracting the carbon sheets, and stop means having

a prescribed relation to said severing means for limiting the retractive movement of the carrier; in combination, gaging means normally ineffective and movable to cooperate with said stop means to modify the normal movement of the carbon sheet carrier a predetermined extent in



manipulating the machine to supply a new carbon sheet panel, so that upon subsequent withdrawal of said gaging means, in further operation of the machine, an offset of the carbon sheet ends relative to the leading end of the work web is provided.

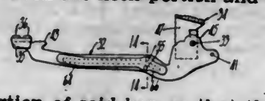
2,204,248
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application August 5, 1936, Serial No. 94,329
15 Claims. (Cl. 197—28)



14. In a compact typewriting machine having a platen, a system of swingable type bars and a type bar fulcruming segment inclining forwardly and downwardly from the platen, the type bars normally inclining upwardly and forwardly from their pivots to a horizontally arcuate type-end array, said type bars being adapted to strike rearwardly and downwardly on the platen, a series of sub-levers of the third order pendent from a transverse fulcrum axis disposed substantially immediately forwardly of said type-end array, links operatively connecting the lower ends of said sub-levers to said type bars, and a system of key-levers of the second order presenting a plurality of transverse key rows, interspaced with and therefore crossing said sub-levers to extend from the key rows to a transverse common fulcrum axis disposed within the region confined by the normally inclined type bars, sub-levers and links, each sub-lever including a cam intermediate its fulcrum end and lower end, and each key-lever having a pin engaging said cam.

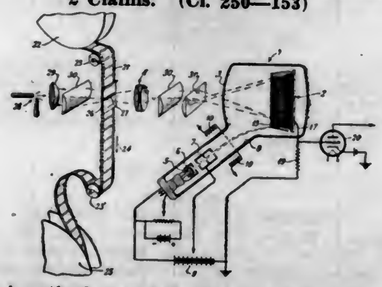
2,204,249
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application May 14, 1937, Serial No. 142,528
2 Claims. (Cl. 197—35)

1. In a typewriter, an elongate type-carrying bar integral in its extent from end to end, a type head being secured to one end of said bar, said bar having a type-guide-entering neck-portion immediately below said type head, and a snubber strip attached to said bar solely for the purpose of muting its vibrations, said strip being materially shorter than said bar and placed thereon, between the neck-portion and the oppo-



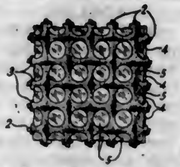
site end portion of said bar, so that the ends of said strip do not overlap either of said portions and hence do clear said portions, said opposite end portion of the bar being disposable in a type-bar-fulcruming segment.

2,204,250
TELEVISION TRANSMITTING TUBE
Willard H. Hickok, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 31, 1938, Serial No. 210,965
2 Claims. (Cl. 250—153)



1. A cathode ray television transmitting tube comprising an envelope a portion of which is light transmitting, an electrode assembly including an insulating base within said tube exposed to said portion, a light sensitive structure on one side of said base exposed to said portion, said structure comprising a plurality of equally spaced mutually insulated and electrically isolated elongated photo-electron emissive metal conductors of low electrical resistance extending in a longitudinal direction substantially from one edge to the opposite edge of said one side of said base, an electrically conductive coating coextensive with and covering the opposite side of said base, means wholly exposed to said light sensitive structure to generate an electron beam within said tube and means to scan said electron beam across substantially the entire width of said base, in one direction only and normal to the length of said conductors to scan substantially all of said conductors.

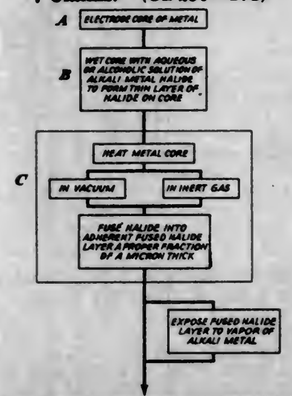
2,204,251
ELECTRODE FOR TELEVISION TUBES
Robert B. Janes, Rutherford, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 29, 1937, Serial No. 166,250
1 Claim. (Cl. 250—167)



An electrode for electron discharge devices

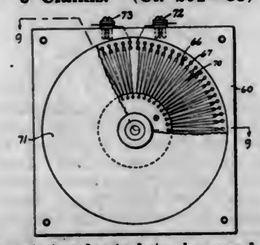
comprising a nickel base member having a plurality of apertures, an electrically insulating coating of vitreous enamel on the walls of said apertures, and conductive plugs within the apertures of said base member consisting of nickel, whereby the electrical leakage through the enamel is a minimum.

2,204,252
SECONDARY ELECTRON EMITTER AND METHOD OF MAKING IT
Otto Krenzien, Berlin-Siemensstadt, Germany, assignor to "Fides" Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany
Application July 8, 1939, Serial No. 283,469
In Germany July 28, 1938
7 Claims. (Cl. 250—174)



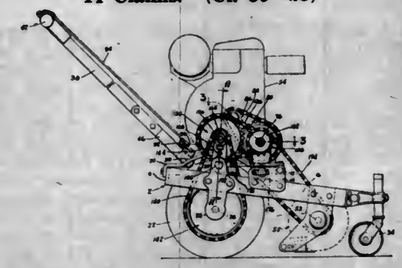
1. A secondary electron emitting electrode having a ratio of secondary electron emission several times unity upon impact by primary electrons at several hundred volts which comprises a metal core and a secondary electron emitting surface layer a fraction of a micron thick adherent to said core and consisting of an alkali metal fluoride.

2,204,253
LIQUID LEVEL GAUGE
William E. MacCreedy, Houston, Tex.
Application December 13, 1935, Serial No. 54,229
3 Claims. (Cl. 201—55)



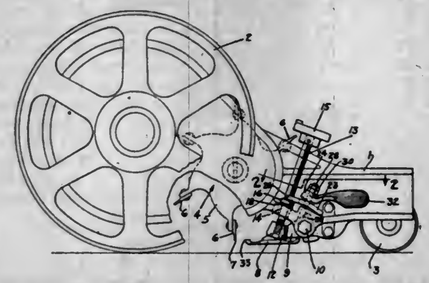
1. A rheostat adapted to be used in a liquid level indicating apparatus comprising a base of insulating material, a plurality of spaced anchor plates in substantially parallel relation to said base and to each other, each plate having a plurality of spaced openings about its outer periphery and the openings in one plate being staggered with respect to the openings in the other, a plurality of anchor posts on said base and arranged in a circular row spaced outwardly from said plates, a resistance wire strung in turn about one of said anchor posts, through an adjacent opening in one of said anchor plates, about the next adjacent anchor post, through an adjacent opening in the other anchor plate, and so on, and a brush movable to bear on said anchor posts in turn.

2,204,254
POWER MOWER
Amos F. Moyer, Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application January 6, 1938, Serial No. 183,672
14 Claims. (Cl. 56—25)



1. A transmission for a power mower comprising a support, a propelling wheel therefor, a cutter connected to the support, wheel drive means for transmitting power to the propelling wheel, and cutter drive means connecting the wheel drive means and the cutter for simultaneously operating the cutter from the wheel drive means, said cutter drive means including means to interrupt the transmission of power from the propelling wheel to the cutter when said propelling wheel is moved in the reverse direction.

2,204,255
LAWN MOWER
Amos F. Moyer, Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application January 27, 1938, Serial No. 187,194
8 Claims. (Cl. 56—294)



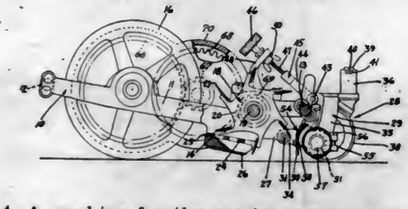
1. A bed knife adjustment for a lawn mower having a frame, a cutting reel rotatably mounted on said frame, and a bed knife mounted on said frame for movement into a position for cooperation with said cutting reel, comprising a flanged adjustment screw connecting said bed knife and frame for adjustably positioning said knife with respect to said frame, and clamping means positioned to bear upon said flange.

2,204,256

MOWING MACHINE FOR BENT TURFS

Emil Picha, Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota

Application October 15, 1938, Serial No. 235,229
4 Claims. (Cl. 56—252)



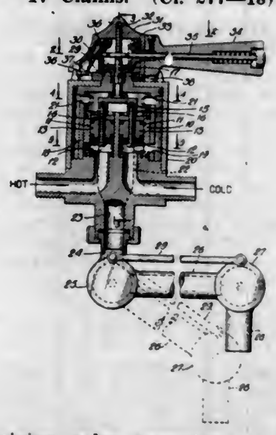
4. A machine for the precise mowing of grass on putting greens and the like comprising a pair of side frame members, a cutting reel and cooperating knife bar mounted between said side frame members, ground engaging roller means mounted substantially parallel to the cutting reel between said side frame members behind said cutting reel and knife bar, means for rotating the cutting reel, another ground engaging roller means mounted substantially parallel to and ahead of the cutting reel and knife bar for lifting them over humps and ridges, a toothed grass lifting comb mounted transversely of the frame between the cooperating cutting reel and knife bar and the last mentioned ground engaging roller means, said comb being mounted with the teeth extending downwardly into contact with the grass to be cut for lifting the grass blades for cutting after traversal by said last mentioned roller means, and ground engaging wheels mounted on the frame adjacent the ends of said last mentioned roller means, said wheels being mounted so as to engage the turf and carry the last mentioned roller means out of contact with the turf except when a hump intervenes between the wheels.

2,204,257

VALVE

Joseph Blair Powers, Flushing, N. Y.

Application February 10, 1939, Serial No. 255,638
17 Claims. (Cl. 277—18)



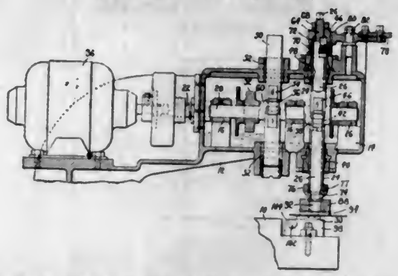
1. A mixing valve comprising a cylindrical block containing a pair of cylindrical passages having radial ports, a piston in each passage, a sleeve enclosing said block and having ports effective upon rotation of the cylinder to register with said block ports in varying ratio, a chamber communicating with both said sleeve ports, a handle connected to said sleeve for bodily movement therewith and for rotation about an interior axis, and means operated by rotation of said handle to effect simultaneous movement of said pistons longitudinally of the passages to vary the effective area of said block ports.

2,204,258

NIBBLING MACHINE

George F. Ryan, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application April 21, 1938, Serial No. 203,381
10 Claims. (Cl. 164—47)



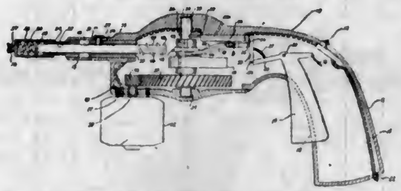
1. In a nibbling machine, a die, rotatable shafts each having a pair of oppositely disposed cranks, means for rotating said shafts at the same velocity, a punch device connected to one of the cranks of each shaft and mounted to reciprocate toward and away from said die, and an idling plunger for counterbalancing said punch device connected to the other cranks on said shafts.

2,204,259

SPINAL ADJUSTMENT DEVICE

Fred E. Schuster, Cincinnati, and Homer E. Paul, Sharonville, Ohio

Application July 22, 1937, Serial No. 155,070
3 Claims. (Cl. 128—69)



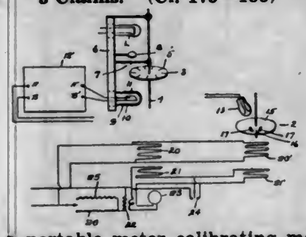
1. In a vertebral adjusting appliance, a housing having a forwardly extending nozzle and a hand grip portion formed integrally therewith, an impact drive shaft extending through said nozzle, resilient means disposed adjacent each end of said shaft for limiting its travel relative to said housing, a resilient tip operatively associated with one end of said impact shaft, means disposed intermediate of said impact shaft for imparting a torque thereto, impact shaft actuating means disposed rearward of said shaft, said actuating means comprising a motor driven cam slidably mounted on a cam shaft, means for maintaining said cam in a non-engaging relationship with the rear end of said impact shaft, and trigger actuated means for sliding said cam upon its shaft to engage the rear end of said impact shaft and release means for returning said cam back to a non-engaging relationship with said impact shaft after one revolution of said cam, whereby said impact shaft is actuated but once each time said trigger is pulled.

2,204,260

APPARATUS FOR CALIBRATING MEASURING INSTRUMENTS

Rulo Wayne Smith, Auburn, Ind.

Application March 24, 1937, Serial No. 132,809
3 Claims. (Cl. 175—183)



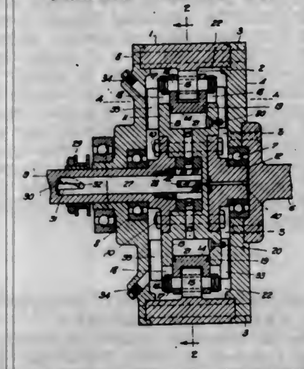
1. In a portable meter calibrating mechanism the combination with a watt-hour meter having a rotating disk having alternate light transmitting and light retarding areas, the transmitting areas consisting of radial slits very narrow compared to the light retarding areas, of a light generating means, means to direct a beam of light therefrom towards the disk, a photo-electric cell exposed to the light that passes through the light transmitting areas on the disk, the light generating means and the beam directing means and the cell being mounted for unitary adjustment about the axis of the disk, a second watt-hour meter having a single reference mark on its rotating armature disk, means to place any desired load on the meters, a fixed element of the latter meter and above the disk thereof with respect to which the position of the mark may be observed as the latter disk rotates and means responsive to the intermittent operation of the cell to flash illuminate the disk of the second meter.

2,204,261

HYDRAULIC COUPLING

William Fraser, Liverpool, England

Application December 5, 1938, Serial No. 244,040
In Great Britain December 29, 1937
6 Claims. (Cl. 192—60)



1. A hydraulic coupling for transmitting power from a driving to a driven shaft, comprising, an outer casing on one shaft forming a fluid reservoir, an inner casing on the other shaft rotarily mounted in the outer casing, a series of intercommunicating radially disposed cylinders and pistons in the inner casing forming an enclosed pressure zone within the reservoir, a valve controlling intercommunication between the cylinders, a symmetrical cam formed on the outer casing, rollers on the pistons engaging the symmetrical cam whereby the pistons are reciprocated in rotary balance, and non-return valves in the cylinder walls located radially within the piston travel and adapted to open and permit fluid to pass from the outer reservoir to the inner pressure zone to replenish such zone only when leakage occurs therein.

2,204,262

METHOD OF PRODUCING SUEDE FINISH

Ernest Rudolf Stern, Forest Hills, N. Y., assignor to Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York

No Drawing. Application January 10, 1938, Serial No. 184,249
31 Claims. (Cl. 149—6)

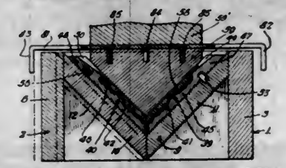
1. In a method of producing a colored suede finish on skins containing chrome tannage, the steps which comprise dyeing a plurality of the selected skins, separating the fibers by chemically producing a bulky deposit on and between the fibers on the surface of the dyed skins, and subjecting the skins to a finishing treatment.

2,204,263

MEANS FOR MANUFACTURING ORNAMENTAL CORNER PIECES

Edwin H. Thoresen, Chicago, Ill., assignor to William Thoresen Company, Chicago, Ill., a corporation of Illinois

Application November 10, 1937, Serial No. 173,878
10 Claims. (Cl. 18—35)



1. A molding section of a molding machine for forming corner pieces of plastic material with a given contoured design surface form with spaced vertical side and end walls, said section being of generally rectangular form and comprising separable section parts divided in a central longitudinal vertical plane, each part having an inclined bottom wall extending downwardly from a side thereof to said dividing plane so as to form a dihedral angle between said inclined walls of said parts when said parts are adjacently located at said dividing plane and at least one of said section parts having end walls for closing the ends of the space of said angle, and a two part die divided by said plane and generally forming a dihedral angle so as to seat upon said inclined walls, the upper surfaces of said die parts being contoured with a given design to impart a counterpart design on the outer surfaces of an angular blank of plastic material pressed against said contoured die parts.

2,204,264

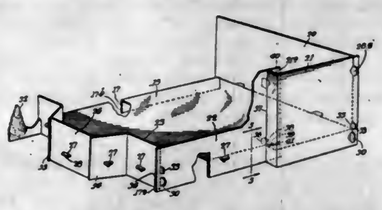
TOY STRUCTURE

Donald M. Warren, La Fayette, Ind.

Application February 19, 1938, Serial No. 191,422
9 Claims. (Cl. 46—21)

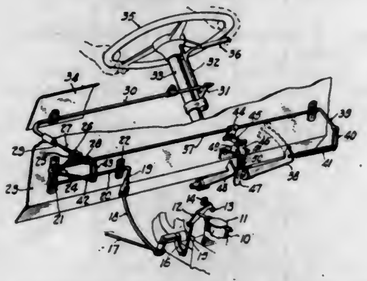
1. A toy structure having main and auxiliary house parts, the latter constituting a reduced size portion projecting from the former, said structure comprising a floor member for the main house part, an extension integral with said floor member and constituting a floor for said auxiliary house part, said extension having at least one edge extending from a point interme-

diate the ends of an edge of said floor member, and main and auxiliary house part walls, independent of the floor member and detachably



secured against the edges thereof, said floor member being spaced upwardly from the plane of the lower edges of the wall member.

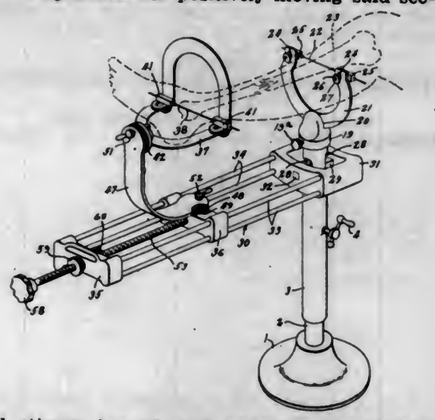
2,204,265
MOTOR VEHICLE CONTROL
Anton A. Wentzel, Milwaukee, Wis.
Application October 22, 1938, Serial No. 236,445
6 Claims. (Cl. 192—.01)



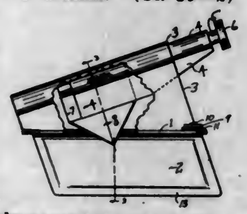
1. In a control system for a motor vehicle having a steering wheel and a control pedal, the combination of a manually adjustable element mounted adjacent said wheel, means yieldably retaining said element in various positions of adjustment, a fuel regulator, means responsive to adjustment of said element for adjusting said regulator, means including an independently moveable element operable on said last named means to further adjust said regulator without disturbing the position of said first named element, and means responsive to actuation of said pedal for returning said first named element and said regulator to idling position.

2,204,266
FRACTURE REDUCTION APPARATUS
Robert W. Wilcox, Long Beach, Calif.
Application February 20, 1937, Serial No. 126,853
5 Claims. (Cl. 128—84)

3. In a fracture reduction apparatus, a standard, a carriage mounted upon said standard for vertical movement relative thereto, a stirrup secured on the upper end of said carriage for engaging and supporting a wire through the proximal fragment of a bone, a lever structure, a ball and socket joint coupling one end of said lever structure to said carriage at a predetermined distance below said stirrup for universal movement relative to said carriage and said stirrup, a second stirrup adapted to engage a wire extending through the distal bone fragment, means slidably mounting said second stirrup upon said lever structure for movement toward and away from said first named stirrup, screw means engaging said lever structure and said mounting means for positively moving said second stirrup toward and away from said first stirrup.



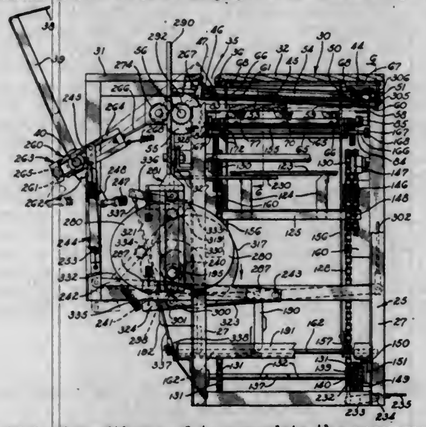
2,204,267
PACKAGE OPENER
Samuel Wyres, Warren, Ohio
Application March 28, 1938, Serial No. 198,413
3 Claims. (Cl. 30—2)



1. A package opener comprising a section of suitable material formed into a semi-L shaped frame having an upwardly extended looped portion formed at an angle thereto, the said upwardly extended looped portion forming a channel, a knife positioned in the said channel, the said knife comprising a knife handle formed similarly to the said upwardly extended looped portion of the frame, a blade holder of similar shape and adapted to be positioned in a slideable manner within the said knife handle, a double edged cutting blade positioned in the said blade holder, for the purpose of providing a knife formed of replaceable units, a slotted clamping bar pivoted to the horizontal portion of the semi-L shaped frame and adapted to engage the said upwardly extending looped portion of the frame for the purpose of clamping them together and locking the said knife in position therein.

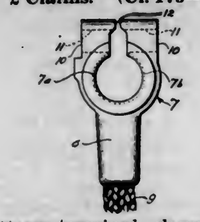
2,204,268
APPARATUS FOR FOLDING SHEETS OF FABRIC AND THE LIKE
James H. Brackett, Pasadena, Calif.
Application October 24, 1938, Serial No. 236,716
9 Claims. (Cl. 270—62)

1. In a machine of the character described, means for making a fold in a flexible sheet, said means comprising: means to support said sheet at a first level; means forming a slot under the supported sheet; reciprocating means movable downwardly against said sheet along the desired line of fold to force said sheet partially through said slot to form a leading folded edge in the sheet below said slot; means to lift said folded edge to a feed position; means movable along a second lower level to engage said folded edge at



said feed position and to complete the movement of the sheet through the slot; and means to actuate said reciprocating means, said lifting means and said engaging means in timed sequence.

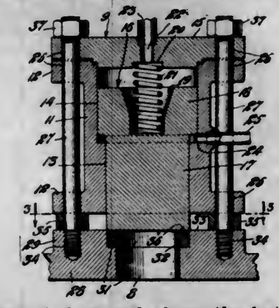
2,204,269
BATTERY TERMINAL CLAMP
Kenneth F. Brown, Burbank, Calif., assignor to National Cable & Metal Co., Glendale, Calif., a corporation of California
Application July 30, 1937, Serial No. 156,507
2 Claims. (Cl. 173—259)



1. A battery terminal clamp comprising an apertured, radially split body adapted to be clamped around a battery terminal, alined lugs of substantially uniform length, extending from said body on opposite sides of said split and provided with transverse bolt receiving openings, laterally extending alined abutment portions of substantially uniform length, carried by said lugs at the free ends thereof and adapted to contact one another when said lugs are moved towards one another, and means on said body affording connection thereof with a battery cable.

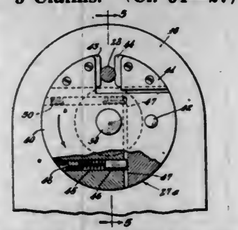
2,204,270
SURGE VALVE FOR HYDRAULIC PRESSES
Richard W. Dinzl, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application April 29, 1938, Serial No. 204,971
2 Claims. (Cl. 121—38)

1. In a hydraulic press of the type set forth, including a press cylinder, a surge tank over said cylinder and having at its bottom a port connecting it with the press cylinder, and a surge valve for closing and opening said port, a seat for said valve facing upwardly and surrounding said port, a mounting for said valve comprising a cylinder, the valve being shiftable in the latter cylinder by fluid pressure and supported by the cylinder for vertical reciprocation to close upon said seat by downward movement and open by upward movement, and releasable fastening means detachably holding said valve cylinder in place within the surge tank, the valve cylinder



being supported spaced above the bottom of the surge tank for lateral flow therebeneath to and from said port, said seat and the seating face of the valve being located for lateral access through the space beneath the valve cylinder, and the valve and valve cylinder being constructed and arranged for removal as a unit from said seat and surge tank.

2,204,271
FACSIMILE SCANNING SYSTEM
William G. H. Finch, New York, N. Y.
Application June 26, 1937, Serial No. 150,489
5 Claims. (Cl. 64—27)



1. A mechanical filter arrangement between a driving means and driven means comprising a member operable by said driving means, said member having a first element, a second element pivotally supported by said first element, said first and second elements having opposed surface portions, and a pin attached to said driving means and arranged to coact with said elements between the opposed surface portions thereof.

2,204,272
ANTIGEN FOR DETERMINATION OF TUBERCULOSIS AND PROCESS OF MAKING THE SAME
Benjamin Gruskin, Philadelphia, Pa., assignor to Lakeland Foundation, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 25, 1938, Serial No. 204,136
18 Claims. (Cl. 167—78)

16. An antigen specific to the diagnostic determination of tuberculosis by intradermal injection comprising a substantially neutralized alkaline hydroxide extract of tissue from the body of an animal having tuberculosis and containing

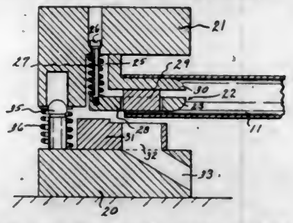
a specific protein homologous to the specific protein characteristic of tuberculosis, and which produces a skin reaction by pseudopod formation when injected intradermally into an animal having tuberculosis.

2,204,273

TUBE SLOTTING OR PUNCHING DIE

Adolph A. Hale, Grand Haven, Mich.

Application February 3, 1940, Serial No. 317,079
7 Claims. (Cl. 164—108)



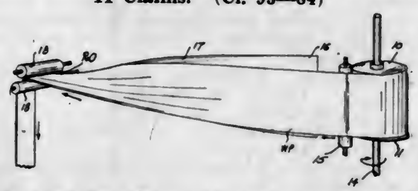
1. A die for punching holes in side walls of open-ended tubes, near their ends, from the insides of the tubes outwardly, comprising a stationary block and a movable block, these being spaced in the direction of relative movement of the two blocks to provide a space into which an end of the tube may be inserted, means for moving the movable block away from the stationary block, said means being overcome upon the application of force to move the movable block towards the stationary block, an arbor in the space between the blocks having a free end adapted to be received within the open end of the tube and mounted at its other end on the movable block, the arbor consisting of two parts normally relatively separated radially of the tube and arranged to be movable rectilinearly relatively towards and away from each other and having a blade fixed to one of said parts projecting through a slot in the other, the stationary block having a blank chute aligned with said blade of a size to receive and clear a punched blank, a coiled compression spring between the movable block and the slotted arbor part for separating such block and part, the arbor being so constructed that, when the arbor parts are separated relatively, movement of the movable block towards the stationary block first causes the arbor as a whole to approach the stationary block to clamp a tube against it, and then loads the spring to hold the arbor in tube-clamping position, and then causes the blade to approach and punch the tube, after which, with the release of pressure on the movable block, the latter leaves the stationary block and the blade leaves the tube.

2,204,274

WAX PAPER FOLDING MACHINE

Frank M. Hitner, Detroit, Mich.

Application March 28, 1938, Serial No. 198,575
11 Claims. (Cl. 93—84)



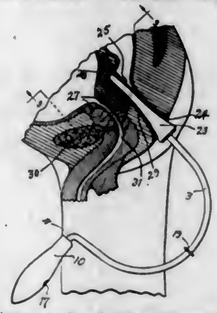
1. A machine for continuously unrolling a flat wide ribbon of waxed paper from a supply roll on which it is wound, and folding and creasing it into a narrow folded and creased ribbon comprising means for holding a supply roll of flat wide ribbon in a condition where the wide ribbon can be unrolled readily therefrom, an elongated stationary form having a head end adjacent the supply roll holding means, and a creasing means having a narrow slot through which may be passed the folded ribbon for creasing and disposed adjacent the tail end of the form, the supply roll holding means being so arranged with respect to the mouth of the creasing means slot that each half of the ribbon turns over a quarter turn on its way from the supply roll to the creasing means slot, the surface of the form at the head end having each half a quarter turn removed from the positions of such surfaces at the tail end, the form having its convex surface coated with a rough yielding coating such as loose-woven felt, cloth, canvas, soft rubber, fiber, etc.

2,204,275

SURGICAL INSTRUMENT AND METHOD OF USING THE SAME

Elmer G. Kesling, Bloomfield, Mo.

Application February 15, 1936, Serial No. 64,016
Renewed June 5, 1939
5 Claims. (Cl. 128—345)



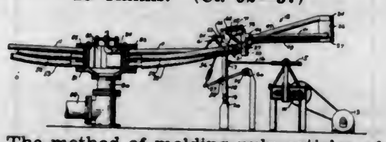
1. An instrument of the character described comprising a beak consisting of a pair of jaws, a handle, a curved shank member connected to each of said jaws, means for rotatively mounting said shank members in said handle, and means pivotally connecting said jaws at the junction of said jaws with said shank members.

2,204,276

METHOD AND APPARATUS FOR FORMING PULP ARTICLES

William P. Lass, Santa Cruz, Calif.

Application July 27, 1936, Serial No. 92,799
10 Claims. (Cl. 92—57)



2. The method of molding pulp articles which comprises passing a perforate mold through pulp in a fluent state, subjecting the mold to gradually increasing suction as it passes through and emerges from the pulp, and then maintaining suction on the mold until the moisture has been removed from the molded article.

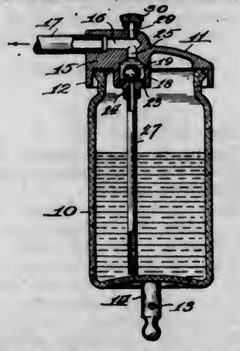
7. In an apparatus for forming pulp articles, the combination of a perforate mold, conduits communicating with the mold, means for introducing pulp to the mold surfaces, means for effecting a vacuum within the mold through said conduits, and maintaining the conduits and mold in a position to effect complete drainage away from the mold and through the conduits during drying of the pulp on the mold.

2,204,277

AUTOMATIC LUBRICANT INJECTOR FOR INTERNAL COMBUSTION ENGINES

Connie B. Leigh, Los Angeles, Calif.

Application January 20, 1939, Serial No. 251,949
3 Claims. (Cl. 123—196)



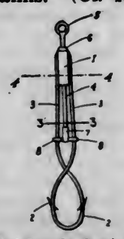
1. An automatic lubricant injector for internal combustion engines comprising an open mouthed container, a cap removably applied to the mouth of said container, said cap being provided with a valve chamber and an outlet leading from said chamber, there being a valve seat formed around the end of the outlet that communicates with said valve chamber, a plug closing said valve chamber, said plug being provided with an aperture, a tube connected to said plug and communicating with the aperture therein, which tube extends to the lower portion of the container, said plug being provided with a valve seat around the aperture therein, a ball valve loosely arranged in said valve chamber and adapted to rest on either one of said valve seats and there being an aperture formed in said plug and leading from the valve seat therein to the exterior of said plug.

2,204,278

FISHHOOK

Morgan L. Lockridge, Knights Landing, Calif.

Application September 30, 1938, Serial No. 232,545
2 Claims. (Cl. 43—36)



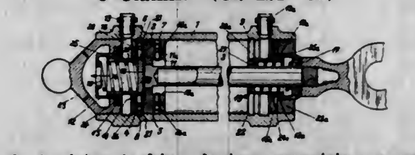
1. A multiple fishhook device comprising a pair of outwardly facing hooks including elongated resilient shanks, a sleeve disposed between the upper end portions of the shanks, said upper end portions of the shanks being fixed on opposite sides of the sleeve end longitudinally thereof, said shanks initially diverging from the inner end of the sleeve, a rod slidably extending through said sleeve, an eye on the upper end of the rod, a head fixed on the lower end of the rod, said head being adapted to engage the lower end of the sleeve and limit upward movement of the rod relative thereto, and a pair of loops formed rigid with said head and projecting in radially opposite directions and surrounding the shanks in slidable relation thereto; said loops being spaced apart from center to center substantially the same distance as the distance between the longitudinal axes of the shanks at the sleeve whereby upon movement of the loops down the shanks in a direction away from said sleeve, said shanks are sprung inward and releasably held in such position until relative approaching movement occurs between the loops and sleeve.

2,204,279

PISTON LOCKING DEVICE

Ludwig Meyer, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany, a corporation of Germany

Application November 23, 1938, Serial No. 242,050
In Germany November 26, 1937
9 Claims. (Cl. 121—40)



9. A piston locking device comprising, a cylinder having a groove in the wall thereof adjacent one end, a piston mounted for axial movement in the cylinder, a locking mechanism carried by said piston including a part projectible outwardly from the piston and into the groove in the wall of the cylinder when the piston is advanced to a predetermined position adjacent said end of the cylinder, a member for actuating said locking mechanism, means mounting said member on the cylinder adjacent said end thereof for limited movement relative to the cylinder, means for admitting fluid under pressure to said end of the cylinder, said piston and said member both being responsive to such admission of fluid pressure to move in one direction along their respective paths of movement, and spring means yieldingly urging said member in the direction opposite to that in which it is urged by said fluid pressure, said member having a camming face adapted when the piston approaches said end of the cylinder to engage a part of said locking mechanism and thrust the latter outwardly into the groove in the wall of the cylinder to lock the piston assembly against movement, said member adapted when influenced by the admission of said fluid pressure to move against the resistance of said spring means sufficient to free the locking mechanism for withdrawal from the groove in the cylinder wall.

2,204,280

ROLLER SKATE

Georg Meister, Solothurn, Switzerland

Application July 18, 1938, Serial No. 219,695
In Switzerland August 17, 1937
1 Claim. (Cl. 280—11.23)

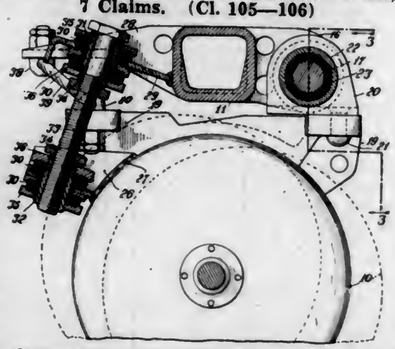
In a roller skate with two rollers arranged one behind the other in axle forks, the pivots of the axle forks being inclined in opposite directions, in combination a main body, a supporting member and a carrier piece for each axle fork, said sup-

porting member being inclined at a definite angle to the main body and secured to the latter, guiding bolts provided on said supporting members at its lowest portion and located on opposite sides with respect to the axes of the rollers and outside the vertical plane passing through the axes of the rollers, rolling bodies and guiding members for the latter, said axle forks and guiding members being pivotally mounted on said guiding



bolts, bearing surfaces on said axle forks and said supporting members, said rolling bodies being arranged between said bearing surfaces of said axle forks and said supporting members, abutment lugs attached to the left and right of said bearing surfaces of the supporting members, said axle forks being located between said abutment lugs, resilient cushions interposed between said abutment lugs and both sides of said axle forks.

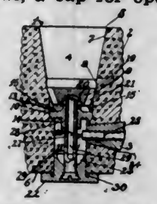
2,204,281
GENERATOR SUSPENSION MECHANISM
Karl F. Nystrom, Milwaukee, Wis.
Application December 12, 1938, Serial No. 245,247
7 Claims. (Cl. 105—106)



1. Generator suspension mechanism of the character described comprising, in combination with a railroad car truck frame and a belt driven generator; laterally disposed lugs arranged on one side of the truck frame end member; upstanding brackets secured adjacent the top of the generator; a tubular member rigidly secured between said upstanding brackets; rubber bushings inserted in the ends of said tubular member; a supporting shaft disposed through the lugs of the truck frame and through said bushings and tubular member whereby the generator is swingingly supported in place; and means operatively associated with the opposite side of the truck frame end member and the generator for adjustably holding the latter toward one side of the vertical plane of the supporting shaft, said means involving cushion elements for absorbing vibratory movements between the truck and the generator.

2,204,282
TOBACCO PIPE
Joseph Pedery, New York, N. Y.
Application July 15, 1936, Serial No. 90,622
3 Claims. (Cl. 131—206)

3. In a tobacco pipe, the combination with a bowl and stem, said bowl having a floor with a tapped opening therein, said floor having a chamber thereunder extending clear through the bottom of the bowl, a cap for opening and closing

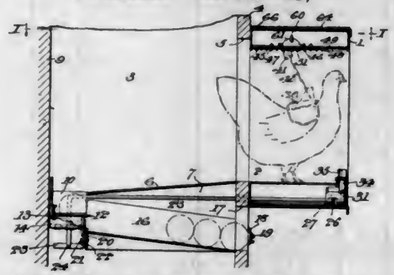


the bottom of the bowl and said chamber, said cap carrying a post extending from it and having a terminal threading into and out of said opening, and said stem leading to said chamber.

2,204,283
TOOL STEEL
Allen D. Potts, Lockport, N. Y., and Daniel Simonds, Hollis, N. H., assignors to Simonds Saw and Steel Co., Fitchburg, Mass., a corporation of Massachusetts
No Drawing. Application March 15, 1938, Serial No. 195,956
3 Claims. (Cl. 75—126)

1. As an article of manufacture, a high-speed cutting or shearing tool, the working edge of which is composed of a high-carbon, high-chromium alloy steel containing from 7 to 18% of chromium, from 1.40 to 2.25% of carbon, and sulfur in amount more than .15% and less than about 2%, the balance being iron, and said steel having a hardness in excess of Rockwell C43.

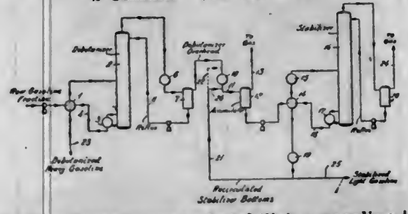
2,204,284
POULTRY NEST
Constantin A. Sifakas, New York, N. Y.
Application August 10, 1937, Serial No. 158,267
9 Claims. (Cl. 119—48)



1. A nest for poultry comprising, a nest compartment, a housing having a tubular passage therethrough communicating with said compartment and forming a free entrance and exit to and from the compartment, an egg receiving channel connected with the compartment, a hinged platform interposed between the compartment and channel and normally closing said channel, said platform being actuated by the weight of the egg thereon to deliver it to the channel, a record receiving mechanism above said passage, means for exposing and covering the record receiving mechanism, said means comprising a vertically movable plunger, a spring pressed bell crank lever in the housing connected to actuate the record receiving mechanism and oscillated by the movement of the plunger, and a latch adapted to engage said lever and connected with

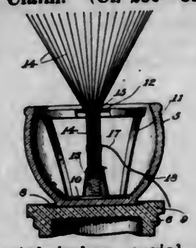
the platform, said latch being moved by the actuation of the platform to release the lever and plunger and expose the record receiving mechanism.

2,204,285
GASOLINE RECOVERY
Reading Barlow Smith, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application January 19, 1938, Serial No. 185,646
2 Claims. (Cl. 196—11)



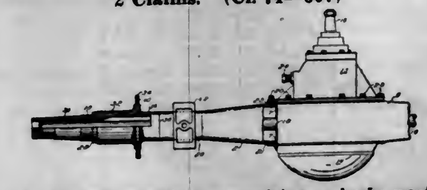
1. In debutanizing and stabilizing gasoline in a system where the raw gasoline fraction is separated in a debutanizer into a liquid bottoms of limited volatility and an overhead vapor fraction which passes through a condenser to an accumulator and in which the condensed overhead fraction from said accumulator is thereafter separated in a stabilizer into a liquid bottoms and an overhead fraction, the improvement which comprises reducing the vapor pressure of the liquid discharged from said condenser for the debutanizer overhead by admixing therewith a recirculated part of the liquid bottoms from the stabilizer.

2,204,286
ORNAMENTAL INDOOR AERIAL
Jacob Stevens, New York, N. Y.
Application March 30, 1939, Serial No. 265,022
1 Claim. (Cl. 250—33)



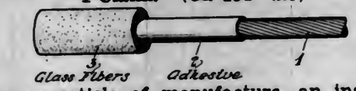
An ornamental indoor aerial, comprising, a hollow open ended receptacle, an aerial supporting unit removably disposed within said receptacle, said unit including a disk supported upon the bottom wall of said receptacle for centering the unit therein, a second disk carried by and spaced from said first disk, said second disk normally lying in a plane substantially flush with the open end of said receptacle, said first disk being of substantially the same diameter as the bottom wall of said receptacle and said second disk being of substantially the same diameter as the open end of said receptacle, a socket formed on and projecting above said first disk, said second disk having an opening formed therein in alignment with said socket, a multiplicity of fine wires carried by said socket and extending fan-shaped through said opening above said receptacle, said wires being bunched in contacting relation within said socket, and a lead-in wire electrically connected with said bunched wires.

2,204,287
AXLE HOUSING
Carl L. Wilber, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application December 29, 1936, Serial No. 118,166
2 Claims. (Cl. 74—607)



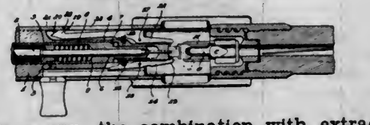
1. An axle housing comprising a body portion having a mid-section and tubular portions of substantially rectangular cross-section extending therefrom; spindle elements having axially directed tubular flanges matching said rectangular portions and joined to the outer ends of said portions by means of butt-welds; the wall thicknesses of tubular flanges and said tubular extending portions being substantially equal and uniform around the entire peripheries thereof; spring clips shaped to conform to the outer surface of said tubular portions and secured thereto; said tubular portions being of substantially uniform size and shape throughout a part of their entire length, whereby said clips may be positioned at any desired point thereon to vary the spacing thereof and whereby said spindle elements may be selectively located with respect to said mid-section, to vary the overall length of the housing, by severing portions of said tubular portions and butt-welding said spindle elements to said severed ends.

2,204,288
INSULATION
Howard Milton Wilkoff, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application August 12, 1936, Serial No. 95,645
1 Claim. (Cl. 154—2.6)



As an article of manufacture, an insulating material comprising interentangled fibers of which at least 50% by weight are spun glass, 25% by weight are asbestos, 15% by weight are cotton and 10% by weight are silk, said fibers being felted to form a coherent mass.

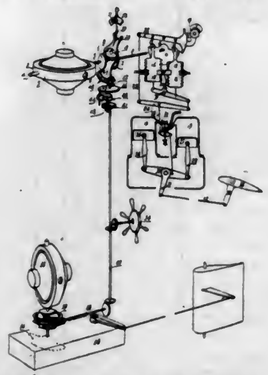
2,204,289
EXTRACTOR MECHANISM FOR FIREARMS
David M. Williams, Godwin, N. C.
Original application February 7, 1931, Serial No. 514,252. Divided and this application August 21, 1937, Serial No. 160,322
5 Claims. (Cl. 42—25)



1. In a gun, the combination with extractor means, shell engaging members carried by said extractor means, ejector means, means on a stationary portion of said gun for moving the

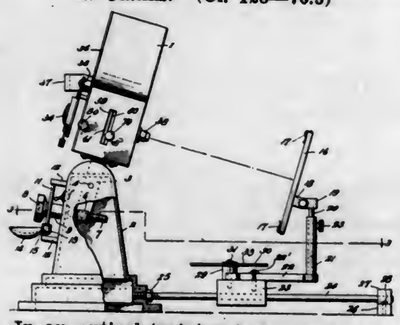
extractor means to a shell-releasing position slightly in advance of the shell-ejecting action of the ejector means, said means for moving the extractor means being entirely independent of the ejector means.

2,204,290
AUTOMATIC STEERING DEVICE
Robert Alkan, Paris, France
Application August 8, 1938, Serial No. 223,776
In France August 12, 1937
17 Claims. (Cl. 244—76)



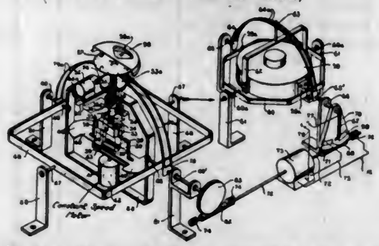
1. In an automatic pilot for aircraft, the combination with a directional base line, a servo-motor and a rudder, of control elements actuated by said base line and servo-motor, respectively, the relative position of which governs the servo-motor, means for shifting the relative position of said elements whereby a turn is caused, and means responsive to the speed of shifting of the relative position of said elements for causing automatic banking of the craft during a turn at the correct banking angle.

2,204,291
OPTICAL INSTRUMENT
James L. Barnes, Fostoria, Ohio
Application October 28, 1937, Serial No. 171,550
12 Claims. (Cl. 128—76.5)



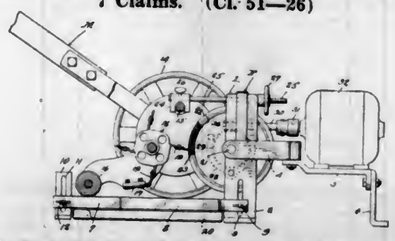
1. In an optical training instrument, a target holder, a sighting unit including lenses mounted for movement into and out of an operative position, means carried by the sighting unit for illuminating a target carried by the target holder, and means for intermittently shifting the lenses into and out of the operative position and extinguishing the illuminating means in synchronized relation to movements of the lenses.

2,204,292
DIRECTION INDICATING MEANS
Gustav Barth, Berlin, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application June 4, 1938, Serial No. 211,912
In Germany July 13, 1937
5 Claims. (Cl. 33—204)



1. In an earth inductor compass for a craft, a bridge circuit having a coil provided with a core, said coil and core comprising an armature arranged for rotation in the earth's magnetic field, means supplying periodically varying current to said bridge circuit, means for rotating said coil and core in the earth's magnetic field at uniform speed, commutating means rotating synchronously with said armature and electrically connected to said bridge circuit, azimuthally adjustable brushes contacting said commutating means for collecting the current induced in said coil, means responsive to current flow in said brushes as the craft changes heading for automatically adjusting said brushes to stabilize the latter in azimuth, and means including an indicating device connected to be moved with said brushes for ascertaining the angular shift of said brushes in azimuth as a function of the change in heading.

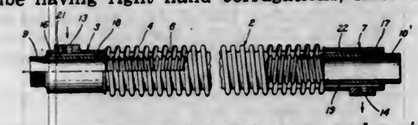
2,204,293
LAWN MOWER SHARPENER
Hartsell W. Beaver, Statesville, N. C.
Application May 12, 1939, Serial No. 273,317
7 Claims. (Cl. 51—26)



1. In a machine for sharpening a lawn mower by cooperation between the blades of the rotary cutter and the shear of the mower, a frame, a mower mount associated with the frame, a rotary driven member journaled on the frame, means for holding the blades of the rotary cutter of a mower carried by the mount, in engagement with the periphery of the driven member, and means for rotating the driven member.

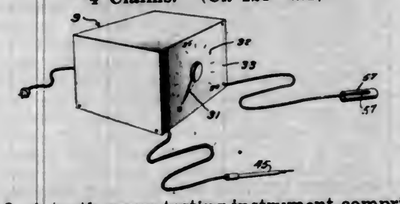
2,204,294
EXHAUST PIPE
Arthur D. Blanchard, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application June 23, 1938, Serial No. 215,466
2 Claims. (Cl. 257—246)

1. In an engine exhaust pipe, the combination of a spirally corrugated tube adapted to direct the engine exhaust gases, a second spirally corrugated tube arranged about the first tube to form a closed jacket space, one of said tubes having left hand spiral corrugations and the other tube having right hand corrugations, inlet and



outlet means for said jacket space, and a rigid tubular extension secured to each end of said tubes for securing the exhaust pipe to an engine and to a fixed member, each of said rigid connections being arranged to support the tubes in spaced relation to each other.

2,204,295
DENTAL PULP TESTER
Robert H. Brockman, St. Petersburg, Fla.
Application November 29, 1938, Serial No. 243,002
4 Claims. (Cl. 128—2.1)



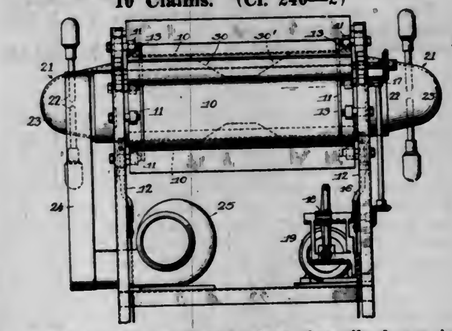
2. A tooth nerve testing instrument comprising a hollow handle, an electrically conducting probe mounted therein, a single conductor electrically connected to the probe and adapted to constitute one terminal of a secondary electrical circuit, a pair of conducting terminals mounted in insulated relation to each other within the handle and adapted to constitute a switch in a primary electrical circuit, and a movable element enclosed by the handle to open and to close the primary circuit across the pair of terminals, and, exterior to the handle and connected therewith, a primary circuit and a secondary circuit interconnected by a transformer, variable resistance in the secondary circuit, and means operated by flow of current in the primary circuit to vary the secondary resistance continuously when the primary circuit is closed.

2,204,296
SCAVENGING OF THE CYLINDERS OF TWO-STROKE INTERNAL COMBUSTION ENGINES
Herbert Brooks, Yeovil, England, assignor to Petters Limited, Yeovil, Somerset, England, a company of Great Britain
Application December 12, 1938, Serial No. 245,288
In Great Britain January 6, 1938
11 Claims. (Cl. 123—65)



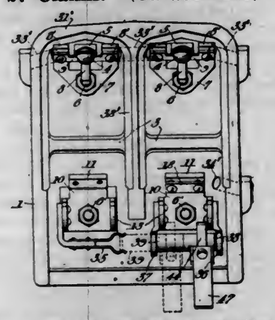
4. A two-stroke cycle internal combustion engine including in combination a cylinder containing a piston and having formed therein a ring of scavenging ports adapted to be uncovered simultaneously by the piston towards the end of its outstroke, and a cylinder head closing the end of the cylinder and containing at least one valve-controlled exhaust port, the scavenging ports being arranged symmetrically in the cylinder and so formed that the air entering the cylinder through the majority of the scavenging ports is caused to flow in the same tangential direction to cause rotation of the charge as a whole about the cylinder axis while air entering the cylinder through each of the remaining scavenging ports is caused to flow substantially radially or in an opposite tangential direction so as to superimpose a general turbulence on the rotation of the charge as a whole.

2,204,297
MEANS FOR DISTRIBUTING LIGHT UNIFORMLY
Harold J. Brunk, Chicago, Ill., assignor to The C. F. Pease Company, a corporation of Delaware
Application May 21, 1937, Serial No. 144,089
10 Claims. (Cl. 240—2)



1. In a device of the class described, an incomplete cylinder having an inner reflecting surface, the wall of said cylinder having a longitudinal slot therein of maximum width near the middle of said cylinder and decreasing in width to the two ends thereof, and a source of light near each end of said cylinder positioned to direct the light toward the inner surface of said cylinder.

2,204,298
FUSE CUTOUT
George L. Carlisle, Greensburg, Pa., assignor, by mesne assignments, to Railway and Industrial Engineering Company, Greensburg, Pa., a corporation of Delaware
Application January 31, 1936, Serial No. 61,830
27 Claims. (Cl. 200—126)



4. In an enclosed fused cutout, the combination with insulated casing means, sets of upper

and lower terminals supported by said casing means, means for electrically connecting one terminal of the first set to one side of a line and the second terminal of all sets to the other side of a line, a dropout fuse assembly normally connected between the terminals of each set, and a casing cover secured to each fuse assembly and movable therewith between an upper operative and a lower inoperative position of the fuse assembly, of normally open switch means operative automatically upon the blowing of a fuse assembly to connect the first terminal of the set associated with the blown fuse to the corresponding terminal of the adjacent set, said switch means including a movable member electrically connected to said first terminal of the set associated with the blown fuse.

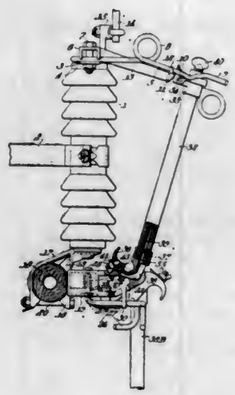
2,204,299

REPEATER CIRCUIT BREAKER

George L. Carlisle, Greensburg, Pa., assignor, by mesne assignments, to Railway and Industrial Engineering Company, Greensburg, Pa., a corporation of Delaware

Application September 23, 1936, Serial No. 102,189

19 Claims. (Cl. 200—126)



1. A repeater fuse assembly of the type including a plurality of drop-out fuse assemblies normally retained in operative position between pairs of upper and lower terminals, and means for successively connecting said fuse assemblies into a circuit as the fuse element of each fuse assembly except the last is blown, characterized by the fact that said means comprises means connecting all upper terminals in parallel, means for connecting only the lower terminal of the first fuse assembly to the circuit to be protected, a switch member carried by each lower terminal except that of the last fuse assembly, a contact seat for each switch member on the lower terminal next adjacent to that lower terminal which carries the switch member, spring means urging each switch member towards its contact seat, a latch seat for each switch member on the terminal carrying that switch member, said spring means normally retaining each switch member in its latch seat to prevent closing movement of said switch members, and means operable upon the blowing of each fuse element except that of the last fuse assembly for releasing the associated switch member from its latch seat.

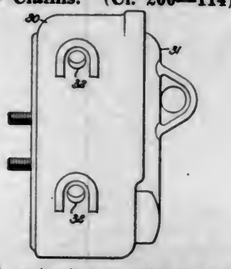
2,204,300

FUSED CUTOUT

George L. Carlisle, Greensburg, Pa., assignor, by mesne assignments, to Railway and Industrial Engineering Company, Greensburg, Pa., a corporation of Delaware

Original application March 13, 1935, Serial No. 10,949, now Patent No. 2,088,152, dated July 27, 1937. Divided and this application February 12, 1937, Serial No. 125,503

20 Claims. (Cl. 200—114)



1. A fused cutout comprising an insulating casing having an open front, a pair of vertically spaced terminals supported by and within said casing, means on the lower terminal for removably and pivotally supporting a fuse assembly, a fuse assembly pivotally mounted on the lower terminal and including an upper conductive member for engagement with the upper terminal, and a door secured to said fuse assembly for closing said casing when the fuse assembly is in operative position between said terminals; said fuse assembly including a fuse unit and means displacing upon the blowing of said fuse unit for releasing said fuse unit from the upper terminal.

2,204,301

ELASTIC FORCE AND EQUIPOISING MECHANISM

George Carwardine, Bath, England, assignor of one-half to Herbert Terry & Sons Limited, Redditch, England, a company of Great Britain

Application January 21, 1938, Serial No. 186,208

In Great Britain January 26, 1937

12 Claims. (Cl. 248—280)



4. In equipoising mechanism, in combination, a support, a lever system pivoted to swing as a whole in a vertical plane about a horizontal axis on said support, said system comprising an articulated linkage and a tension spring organized to act between two points on said linkage and to contract as said points approach each other while two further points on said linkage move away from each other, one of said further points being located on said axis, a mass connected to said linkage at the other of said further points, and a second tension spring organised to act between a point on said support and a point on said linkage to counteract both said first-mentioned spring and the turning moment about said axis due to the weight of said mass, said axis and said point on said support being

located one above the other and each of said springs having the characteristic of exerting a force which is always substantially directly proportional to the distance between the two points between which it acts.

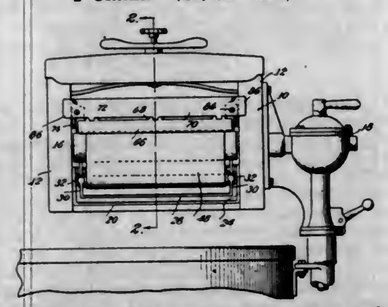
2,204,302

WRINGER FEED

George Czefra, Chicago, Ill.

Application March 16, 1938, Serial No. 196,291

1 Claim. (Cl. 68—264)



In combination, a supporting frame, a pair of wringer rolls arranged in pressure relation and rotatably journaled in said frame, one of said wringer rolls including a shaft projecting beyond the ends of the wringer roll, a plate pivotally connected with said frame, rollers carried by said plate, an endless feed belt passing about said rolls and between the wringer rolls to be driven thereby, a plate supporting frame movably related to said first frame, and plates hinged to said hinge supporting frame on opposite sides of one of said wringer rolls, said plate supporting frame having openings for the reception of said shaft and being provided with guide means cooperable on said first frame to restrain the plate supporting frame from rotation about a horizontal axis.

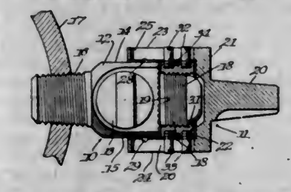
2,204,303

TOOL

Elmer H. Fawley, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois

Application October 15, 1938, Serial No. 235,248

4 Claims. (Cl. 81—53)



1. A tool of the class described comprising a shank portion and a head portion at one end of said shank portion having a socket therein coaxial with said shank portion, said head portion including circumferentially spaced jaw portions projecting in the opposite direction from said shank portion and adapted to engage a body to be turned, said head portion having parallel axially extending slots extending into said jaw portions, a member axially reciprocable in said socket and along said jaw portions, said member having a threaded bore coaxial with said shank portion, and projecting means on said member engaged in said slots and cooperating with the latter to rectilinearly guide said member and to prevent relative rotation of said member and said head portion.

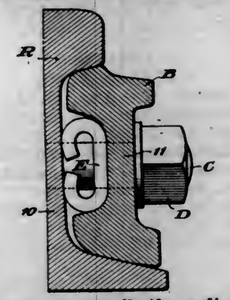
2,204,304

JOINT EQUALIZER SPRING

John J. Gallagher, Denver, Colo., assignor to Poor & Company, New York, N. Y., a corporation of Delaware

Application February 25, 1939, Serial No. 258,518

1 Claim. (Cl. 238—259)



In a rail joint, the rail, the splice bar having inner head and foot projections at its inner side, and a spring plate substantially corresponding in height to the distance between said inner head and foot projections of the splice bar, the said spring plate having an upright web and upper and lower bent end portions adapted respectively to firmly engage the said inner head and foot projections of the splice bar, said bent end portions extending laterally relative to said upright web portion by amounts such that the normal over-all width of the spring plate is greater than the width of the space between the web of the splice bar and the webs of the rails when the splice bar is operatively applied to the rails.

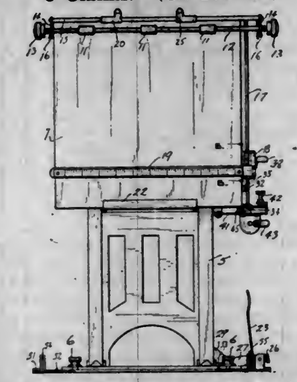
2,204,305

LINE DESIGNATING MACHINE

Joseph Arthur Gottlieb, San Francisco, Calif.

Application March 3, 1939, Serial No. 259,683

3 Claims. (Cl. 120—34)



1. In a device of the character described, a vertically positioned standard, an easel mounted on said standard and having a vertical sliding pivotal connection therewith, whereby when said easel is raised with relation to said standard said pivotal action may take place and said easel swing in a horizontal position on either side

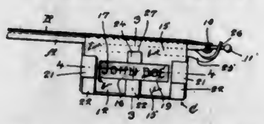
of the standard, a pair of guide rods mounted to one side of said easel, a traveller movable on said guide rods, a guide carried by said traveller and extending parallel with the face of said easel, a vertically reciprocating rod extending through said traveller and mounted parallel with said guide rods, clutch means connecting said traveller to said reciprocating rod, means for releasing said clutch means, whereby said traveller may be freely moved in one direction, and remotely controlled means for moving said reciprocating rod to cause said traveller to move in a downward direction.

2,204,306
VACUUM TUBE
Wilbur T. Harris, Trenton, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Original application November 10, 1938, Serial No. 239,885. Divided and this application December 27, 1938, Serial No. 247,933
16 Claims. (Cl. 250—27.5)



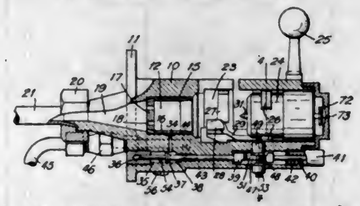
5. A vacuum tube comprising an evacuated envelope, an anode, a cathode assembly comprising an electron emitting filamentary member and a non-emitting shield member partially enclosing and spaced from the filamentary member, an electrical connection from said shield member to a point on said filamentary member, and grid means between said anode and cathode assembly to control the intensity of the electron stream; said grid means comprising a pair of members straddling the space occupied by the electron stream and having surfaces substantially parallel to the general direction of the electric field between said anode and the cathode assembly, and a common conductive support and lead for said pair of members.

2,204,307
UMBRELLA MARKER
Irvin I. Hearing, Hammonton, N. J.
Application December 8, 1938, Serial No. 244,701
2 Claims. (Cl. 40—10)



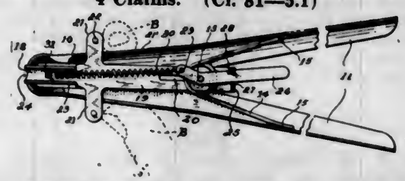
1. In combination with an umbrella having a rib, and a cover tacked thereto, a marker comprising a folded body saddling said rib adjacent to the tucked point of the cover therewith and forming a front and back of uniform size with respect to each other in matched relation one to another, said front having a slot, an identification card between the front and back and partially exposed by said slot, a section fitting the body in rear of the said card and having a folded flap next to the fold side of said body provided with a tongue engaged in said body, and tongues on the section and reversely folded over the front and back of said body for unitary assembly of the card, body and section.

2,204,308
GAS OPERATED STARTING MECHANISM
Nicolas Herzmark, Paris, France
Application June 13, 1938, Serial No. 213,525
In Great Britain December 8, 1937
8 Claims. (Cl. 123—183)



1. A gas generator for the operation of piston mechanism, comprising a combustion chamber, one end of said combustion chamber being connected to a gas outlet, said combustion chamber adapted to receive an explosive cartridge, a breech chamber extending from the other end of said combustion chamber, a movable member guided in said breech chamber and adapted to feed an explosive cartridge axially from said breech chamber into said combustion chamber and to seal the end of said combustion chamber remote from said gas outlet, a heating plug mounted on said movable member, said heating plug adapted to engage said cartridge when fed into said combustion chamber, and electrical means for heating said plug to cause ignition of said cartridge within said combustion chamber.

2,204,309
DEVICE FOR HOLDING VALVE KEEPERS
Frederick Hildenbrand, Stockton, Calif.
Application March 4, 1938, Serial No. 194,011
4 Claims. (Cl. 81—5.1)

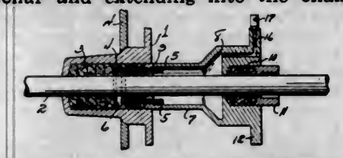


1. A device of the character described comprising relatively movable clamping members having shank portions longitudinally slotted and pivoted mountings therefor, a spacer longitudinally slidable between the clamping members and slidably mounted with respect to said mountings, and having arms extended through the slots of respective shanks and beyond, said spacer having an operative piston when moved to a position between the clamping members whereby to hold the clamping members apart, said clamping members and spacer being constructed to permit closing of the clamping members when the spacer is at the retracted or inoperative position.

2,204,310
VALVE PACKING GLAND
Oscar B. Holmquist, Sr., Amory, Miss.
Application March 29, 1938, Serial No. 198,781
5 Claims. (Cl. 286—27)

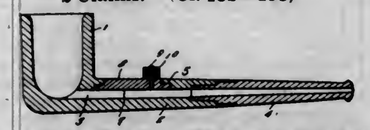
1. In combination with a packing gland having packing and a valve stem extending through the gland and engaging the packing, a chambered member engageable with said packing and having a sliding fit with said gland, adjustable tie means between said member and the gland,

means permitting lubricant to be forced into said member, a channeled collar arranged on the stem within the packing, tubes connected with said collar and extending into the chambered



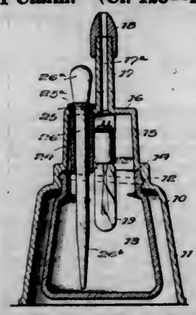
member to receive lubricant therefrom permitting said lubricant to lubricate the packing, and packing carried by said member to engage the stem.

2,204,311
TOBACCO PIPE
Harry Howell, Ilford, Manitoba, Canada
Application May 23, 1939, Serial No. 275,294
2 Claims. (Cl. 131—184)



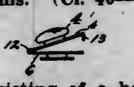
1. A tobacco pipe comprising a stem having a smoke passage therein and further having a groove therein communicating with the smoke passage, said stem still further having a slot therein communicating with the groove, a cleaning member slidable in the smoke passage and engageable in the groove when not in use, means operable in the slot for actuating the member and for securing said member in the groove when not in use, said means including a shank fixed on the member and rising therefrom, and a thumb nut threaded on said shank and engageable with the stem for securing the member in the groove.

2,204,312
VAPORIZER
Walker L. C. Huxter, Richmond, Va.
Application December 18, 1936, Serial No. 116,618
1 Claim. (Cl. 128—192)



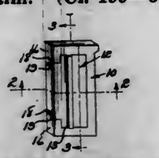
A vaporizer for liquids and semi-liquids embodying volatile therapeutic inhalants, comprising: a bell-like shell consisting of an open-bottomed imperforate skirt and a top closure therefor, said imperforate skirt having its base adapted for support upon a table or similar flat surface and when so disposed substantially sealing the enclosed space to the external atmosphere, means associated with said closure for withdrawing vapors therethrough by direct human aspiration, a radiant heating element carried by said closure and depending within said skirt, and a receptacle adapted to retain a quantity of inhalent-embodying material disposed about said radiant heating element, detachably secured to said closure in air-spaced relation to said skirt and having its lower end suspended therewithin well above the skirt base and any flat surface upon which said base is supportable.

2,204,313
IDENTIFICATION BUTTON
Anita J. Jones, Beverly Hills, Calif.
Application December 17, 1938, Serial No. 246,392
2 Claims. (Cl. 40—10)



1. A device consisting of a hollow body with an access opening in its bottom, an indicia element insertible into the body through the opening, and a base member having a fastener part for attachment to a given article and forming a closure for said opening and retaining the said element in the hollow body, and the body and the base member being hingedly connected.

2,204,314
LINER FOR MOLDS FOR LINOTYPE MACHINES
John Joseph Koblinski, Des Plaines, Ill.
Application October 23, 1939, Serial No. 300,867
1 Claim. (Cl. 199—58)

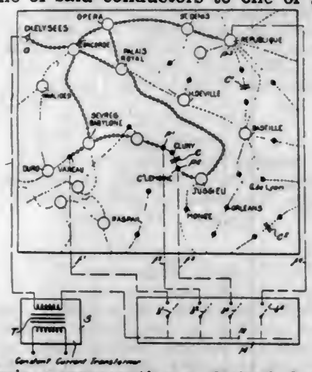


A liner for molds for Linotype machines comprising a substantially G-shaped frame of steel having the inner perimeter beveled, a filler of Linotype metal of the same contour as the frame fitting into the enclosure of the frame and having its perimeter beveled to conform to the bevel of the frame, and a rib extending from one face of the filler longitudinally of the frame for engaging one of the spaced grooves of a mold.

2,204,315
ELECTRICAL ROUTE INDICATOR
Rémy Félix Olivier Levin, Paris, France, assignor to Compagnie du Chemin de Fer Metropolitain de Paris, Paris, France, a joint-stock company of France
Application February 26, 1937, Serial No. 128,022
In France February 29, 1936
2 Claims. (Cl. 177—311)

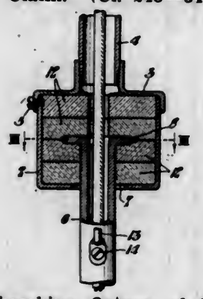
1. An electrical itinerary finder, comprising a plan representing a transport system, electrical display devices representing on said plan a plurality of routes within said system and a plurality of individual points along said routes, a plurality of conductors connecting adjacent display devices in series, said conductors being interconnected at crossing points and interrupted between adjacent points to which substantially equivalent itineraries along portions of different routes are available from a specific starting point, a common lead to a point on one of said conductors representing a position on one of said routes adjacent to said starting point, a source of current, selective means for sending current through said common lead and along a single circuit in-

cluding at least one uninterrupted portion of at least one of said conductors to one of said dis-



play devices representing a desired destination, and means for preventing excessive currents in said display devices.

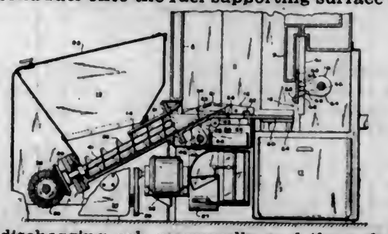
2,204,316
ELECTRIC LAMP FIXTURE
Parks W. Miller, McKeesport, and Walter A. Trosen, Clairton, Pa.
Application December 3, 1937, Serial No. 177,996
1 Claim. (Cl. 248—342)



A shock absorbing fixture of the class described comprising a rigid support, a housing rigidly connected therewith, a plurality of sponge-like rubber disks positioned in said housing, each of said disks having a hole substantially centrally therethrough and being arranged one on top of the other so that the holes align with each other, and a sleeve having a flange arranged on one end thereof with its opposite end adapted to receive a lamp socket member, said housing having an opening in the bottom thereof which is substantially larger than the cross-sectional area of said sleeve, said sleeve extending outwardly through the hole in said housing with the flange thereof interposed between two of said disks therein.

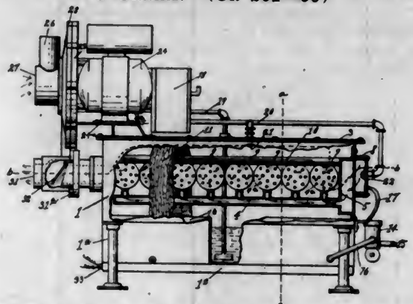
2,204,317
COMBUSTION APPARATUS
Donald J. Mosshart, Springfield, Pa., assignor of one-half to Harold F. Hildreth, Long Meadow, Mass.
Original application April 19, 1935, Serial No. 17,162. Divided and this application December 7, 1936, Serial No. 114,601
13 Claims. (Cl. 110—110)

1. In combustion apparatus, the combination of means defining a combustion chamber including upwardly extending front and rear wall portions; means providing a fuel supporting surface extending across the lower portion of the combustion chamber; the portion of said surface adjacent the rear wall portion terminating in the plane of said rear wall portion and being vertically spaced from the lower end thereof to provide an ash discharge orifice extending vertically through said rear wall portion; means for feeding solid fuel onto the fuel supporting surface and



for discharging ash rearwardly and through the vertical orifice; an ash crushing member vertically reciprocable across the vertical orifice for crushing ash and shearing clinker formations in the ash as the ash moves through the vertical orifice, and means for reciprocating said ash crushing member, said ash crushing member and the reciprocating means therefor being positioned rearwardly of the rear wall portion of said combustion chamber.

2,204,318
GAS PRODUCING APPARATUS
Frank J. Nolan, Bridgeport, Conn., assignor to Electro-Gas Corporation, Rochester, N. Y.
Application February 23, 1939, Serial No. 257,975
8 Claims. (Cl. 261—99)

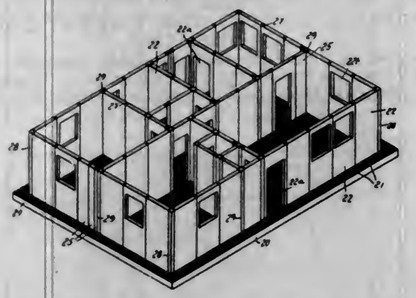


1. In an apparatus for producing a dry fixed gas from liquid hydrocarbons, a body portion having a diffusion chamber and a lower liquid hydrocarbon container, a wick supporting air diffusing means disposed in the diffusion chamber, a multiplicity of roved yarn wicks of unequal pendence disposed between and over the air diffusing means and extending into the lower liquid hydrocarbon container to provide a continuous circulation of liquid hydrocarbon through the diffusion chamber, and an air impelling means to force a current of air through the carburetting means and wick assembly at a predetermined pressure and in variable volume.

2,204,319
BUILDING CONSTRUCTION
Raymond V. Parsons, New York, N. Y., and Albert L. Wilcox, Darien, Conn., assignors of one-third to Gertrude E. Byer
Application March 11, 1937, Serial No. 130,250
6 Claims. (Cl. 46—19)

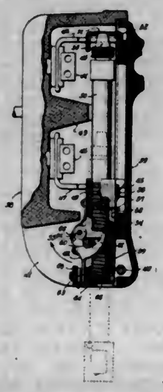
1. A building structure comprising side walls,

at least one of which is formed by a plurality of aligned panels having grooves in adjacent edges thereof, the grooves in adjacent edges of adjoining panels cooperating to form a slot, a tie rod extending through the slot and held at



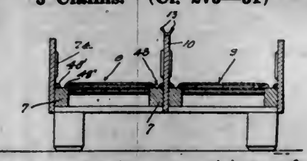
one end against relative longitudinal movement in the slot, and a member connected to the opposite end of the tie rod engaging adjoining edges of the adjacent panels to hold the panels in a fixed relationship.

2,204,320
FUSE CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Original application May 24, 1934, Serial No. 727,250. Divided and this application August 4, 1939, Serial No. 288,445
3 Claims. (Cl. 200—114)



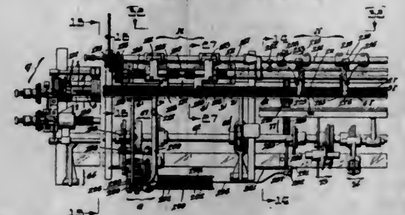
1. A fuse construction comprising a housing having an open bottom and having contacts, guiding means mounted within said housing, a fuse tube slidably supported within said guiding means, a spring encircling said fuse tube and urging said fuse tube towards said open bottom, said fuse tube having spaced contacts normally electrically connected to said first mentioned contacts, a fuse link electrically joining said spaced contacts, a lever for temporarily latching said fuse in operative and restraining position and movable toward a released position, said lever when in restraining position relieving said fuse link of excessive mechanical strain, and being constructed and arranged to be urged toward a released position when the fuse link is ruptured.

2,204,321
GAME APPARATUS
Carl J. Siegrist, Stockton, Kans.
Application August 6, 1937, Serial No. 157,788
3 Claims. (Cl. 273—51)



1. A game apparatus comprising a frame including a pair of spaced longitudinally extending beams, a floor structure extending across the upper portion of the space between the beams, upright members connected with the outer edges of the beams and forming side walls and a pair of spaced gutter forming runners on each beam, one runner abutting a side edge portion of the floor structure.

2,204,322
STRAIGHT KNITTING MACHINE
Otto F. Smetana, Philadelphia, Pa., assignor, by mesne assignments, to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Original application May 9, 1935, Serial No. 20,541. Divided and this application November 20, 1935, Serial No. 50,635
11 Claims. (Cl. 66—128)



1. A straight knitting machine comprising knitting mechanism including a bank of needles, a yarn source for supplying a plurality of separate yarns to the needles, carriers for traversing the needles with the respective yarns, means for reciprocating certain of said carriers to lay certain of said separate yarns in recurrent sequence throughout a knitted area, means for reciprocating certain other of said carriers each to lay a single yarn in successive courses providing an area and connecting it to said first area by a split seam, means carrying opposing stops for each of said carriers, detents on the carriers for said stops, means for oppositely moving said stop-carrying means to simultaneously move all of said stops relative to said detents for narrowing and widening operations, and means for selectively moving one of said stops between a plurality of positions transversely of its rod.

2,204,323
SULPHATION OF HIGHER ALCOHOLS
Earl W. Smith, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application January 8, 1937, Serial No. 119,631
9 Claims. (Cl. 260—459)

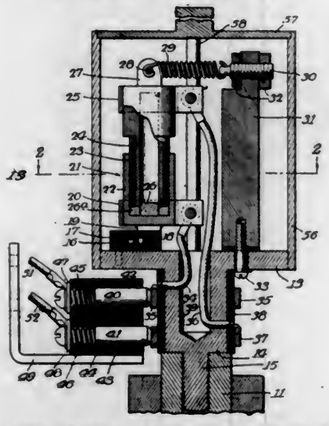
1. The process for preparing monoalkyl esters of sulphuric acid comprising reacting an aliphatic primary saturated alcohol of at least four carbon atoms with a molecular excess of substan-

tially 100% sulphuric acid to form an alkyl sulphuric acid, extracting said alkyl sulphuric acid by treating the reaction mixture with a water-immiscible organic liquid in which the alkyl sulphuric acid is soluble and the sulphuric acid insoluble and subsequently precipitating the alkyl sulphuric acid from the organic liquid by means of a relatively small amount of water.

2,204,324
WOOD PUTTY
Louis C. Sohngen, Hamilton, Ohio, assignor to The Las-Stik Manufacturing Company, Hamilton, Ohio, a corporation of Ohio
No Drawing. Application August 14, 1936, Serial No. 96,119
6 Claims. (Cl. 260—9)

1. A dough-like plastic composition which hardens in the air without shrinking, consisting of wood flour, polymerized vinyl acetate resin, solvent therefor, and a smoothing agent comprised of a semi drying oil distributed as a film over particles of flour.

2,204,325
CENTRIFUGAL CONTROL
Joseph H. Staley, Columbus, Ind., assignor to Electric Switch Corporation, Columbus, Ind., a corporation of Indiana
Application May 17, 1937, Serial No. 143,087
25 Claims. (Cl. 200—80)

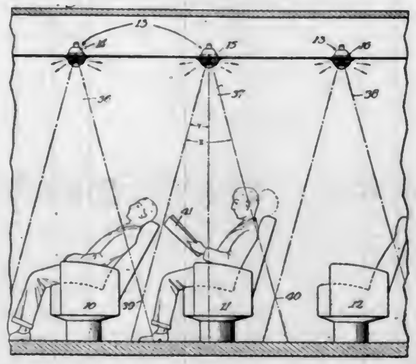


2. A centrifugal control comprising a rotary part, a fluid flow switch mounted on the part to swing and reposition the fluid relative to at least one of the electrodes of the switch by the action of centrifugal force, and means independent of centrifugal force for assisting in determining the position of the switch at any rotative speed of the part.

2,204,326
OIL-INSOLUBLE REACTION PRODUCT OF AN ALKANOL AMINE AND PETROLEUM SULPHONIC ACIDS
Karl T. Steik, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 20, 1936, Serial No. 111,845
5 Claims. (Cl. 260—501)

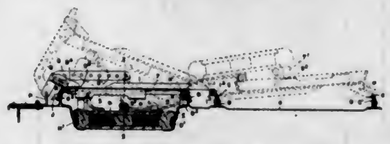
1. A product comprising essentially a substantially pure alkylol amine compound of oil-soluble sulphonic acids derived from petroleum, said compound being substantially free from metal compounds of such acids and insoluble in oil.

2,204,327
LIGHTING FIXTURE FOR RAILWAY CARS AND THE LIKE
Lemuel L. Stewart, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application December 31, 1937, Serial No. 182,861
1 Claim. (Cl. 240—7.35)



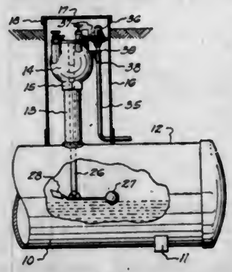
In a vehicle having a first, second, and third seat arranged in tandem, each seat having a movable back adapted to be tilted to a reclining position and also each seat being closely adjacent to the reading plane over the seat behind, a lighting unit over each seat, each of said lighting units comprising means including a source of light for directing a beam of light downwardly from the source onto the reading plane below the beam, the beams from adjacent fixtures intersecting substantially at the floor line so as to provide illumination over the floor area between the seats, the beam for each seat providing adequate illumination of the reading plane immediately below but being restricted so as to pass in front of the eyes of the occupant in the seat directly below when the occupant is resting his head on the back of the seat and in back of the eyes of the occupant of the seat directly ahead when the latter occupant is in a reclining position.

2,204,328
HATCH CLOSURE
Earl R. Swanson, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application April 11, 1938, Serial No. 201,432
6 Claims. (Cl. 105—377)



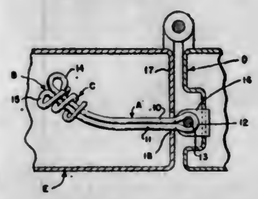
1. In a hatch construction including a hatch frame, a hatch cover for said frame and a plug within said frame, and hinge butts for said cover and plug secured to said frame respectively outside and inside thereof.

2,204,329
DISPENSING APPARATUS FOR STORAGE TANKS
Roger L. Tennant, Dallas, Tex.
Application May 12, 1939, Serial No. 273,209
2 Claims. (Cl. 62—1)



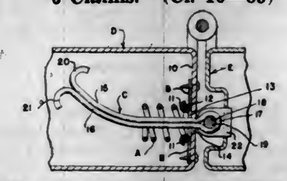
1. A device for use with a liquefied gas dispensing system having a gas generating and storage tank and a standpipe connected thereto, composed of a single fitting having means to removably connect same to the upper end of said pipe, said fitting being composed of a spherical body having a central opening in its top and bottom and other openings in its top, said connecting means composed of an annular collar surrounding the bottom opening and depending from the body, an upstanding collar at the top of the body surrounding the central opening of said top, said upstanding collar having screw-threaded openings for securing a level indicator fitting thereto, and having a plurality of vertically extending bosses surrounding the other top openings and which bosses are integral with the body and have their inner sides abutting the upstanding collar of the central opening and are internally screw-threaded, whereby a supply line, equalizing valve, pressure gage, and relief valve fittings may be vertically mounted on said body, the lower ends of the bosses being disposed at points above the greatest horizontal diameter of the body.

2,204,330
DOOR CHECK
Paul H. Travis, Detroit, Mich.
Original application September 15, 1939, Serial No. 295,136. Divided and this application February 5, 1940, Serial No. 317,405
5 Claims. (Cl. 16—85)



1. A door check having a shank and a cushioning element carried thereby, the shank and cushioning element being formed from a single strand of wire, one portion of the wire being elongated in form and constituting the shank, and another portion of said wire being coiled about the shank in substantially concentric relation thereto and constituting the cushioning element.

2,204,331
DOOR CHECK
Paul H. Travis, Detroit, Mich.
Original application September 15, 1939, Serial No. 295,136. Divided and this application February 5, 1940, Serial No. 317,406
6 Claims. (Cl. 16—85)



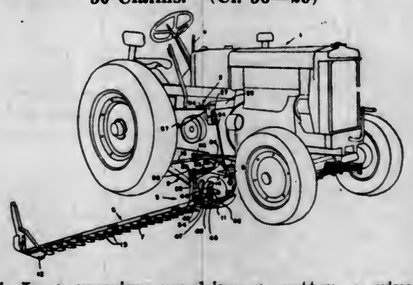
1. A door check having a shank and a cushioning element, the shank being formed from a single strand of wire return-bent upon itself, the return-bend of the wire being enlarged to form an eye, the free ends of the wire being bent laterally into substantially C-configuration, and the cushioning element being formed from another strand of wire and being sleeved in substantially concentric relation upon the shank between the eye and C-shaped end portions aforesaid.

2,204,332
VANE TYPE HEATER
Harold E. Trent, Philadelphia, Pa.
Application April 5, 1937, Serial No. 135,016
1 Claim. (Cl. 113—118)



The method of making a heater unit characterized by a body portion and a terminal portion, which consists in providing a plurality of blanks with dumb-bell shaped apertures formed between oppositely extending ears, and a second set of blanks of substantially one-half the size of the first-mentioned blanks, and provided with longitudinally spaced recesses separated by single ears, deflecting the ears of both sets of blanks into perpendicular relationship with the plane of their respective blanks, then slipping said first set of blanks in sequence over the body of a heater, integrally securing the ears of said blanks to said heater body, then placing said second set of blanks upon and laterally of said heater body, and finally integrally securing each of said last-mentioned ears to said heater body.

2,204,333
MOWING MACHINE
Robert W. Wagner, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application June 20, 1938, Serial No. 214,806
50 Claims. (Cl. 56—25)



1. In a mowing machine, a cutter, a pivotal

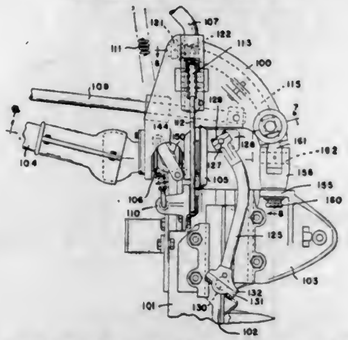
mowing arm carrying said cutter and adapted to be swung rearwardly through a substantially horizontal path, a support, a spherically shaped mounting on said support, means on said arm embracing said mounting, and an arcuate rod longitudinally movably mounted on said support and permanently operatively connected to said arm, said rod having a curvature the axis of which substantially coincides with the axis of said mounting.

2,204,334

MOWING STRUCTURE

Robert W. Wagner, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Application May 8, 1939, Serial No. 272,513
15 Claims. (Cl. 56—25)



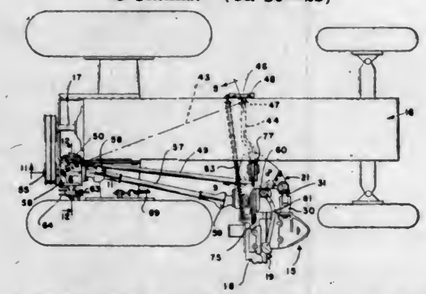
1. In a mowing machine, a support having a spherically shaped mounting thereon, a mowing shoe having means embracing said mounting to provide relative universal adjustability between said support and said shoe, a bracket carried by said shoe and vertically adjustable relative thereto, an arcuate member secured to said bracket and extending horizontally about the center of said mounting, said support having an aperture receiving said arcuate member in guiding relation.

2,204,335

MOUNTING FOR MOWER MECHANISM

Robert W. Wagner, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Application May 15, 1939, Serial No. 273,742
18 Claims. (Cl. 56—25)



1. In a mowing machine, a tractor, a mower arm at one side and disposed at substantially right angles to the tractor, a support for the arm, a member extending beneath the tractor with one end connected to the support and with the other end pivotally connected to the tractor at one side thereof intermediate the ends of the latter for swinging movement about an axis extending diagonally of the longitudinal center line of the tractor, a second member extending rearwardly from the support and having the rear end bent at an angle to assume a position with its axis in alignment with the axis of pivotal connection of the first member, and a bracket attached to the tractor at the rear thereof near the side of the tractor opposite the pivotal connection of the first member with the tractor and having a bearing for supporting the angularly bent portion of the second member on said diagonal axis.

2,204,336

FIBER

Earle O. Whittier and Stephen P. Gould, Washington, D. C., dedicated to the free use of the People of the United States of America

No Drawing. Original application August 12, 1937, Serial No. 158,822. Divided and this application May 19, 1938, Serial No. 208,829
3 Claims. (Cl. 18—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

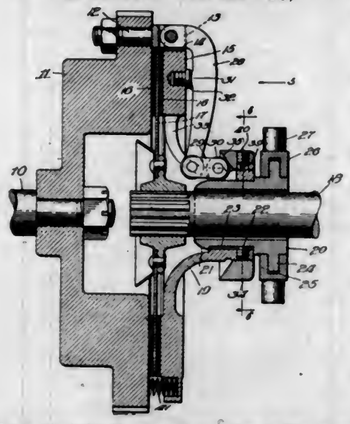
1. A method for producing fire retardant and water resistant fibers, which comprises subjecting a dispersion comprising casein and sodium silicate having an alkaline reaction in the form of fine streams to the action of a bath comprising an acid and calcium chloride, whereby calcium silicate is formed in the fibers.

2,204,337

CLUTCH

Percy H. Batten and Donald W. Morris, Racine, Wis., assignors to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin

Application January 13, 1938, Serial No. 184,748
23 Claims. (Cl. 192—68)



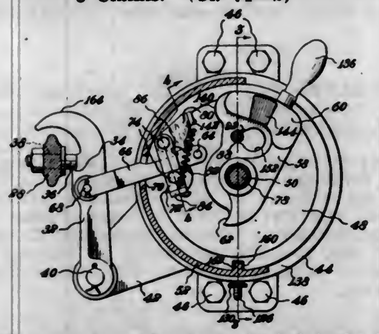
1. In a clutch, the combination with a drivably connected clamping member and shiftable clamping plate adapted to grip a clutch plate therebetween, of an operating lever pivotally connected to the member and adapted to bear against the clamping plate and shift the same to clamping position, a link pivoted at one end on the lever, and pinching means for shifting the lever to clamping position comprising coacting parts having angularly disposed surfaces engageable with the opposite end of the link, one of the parts being movable relative to the other.

2,204,338

SAFETY DEVICE

Charles E. Blank, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application October 5, 1938, Serial No. 233,408
5 Claims. (Cl. 74—2)



1. In a latch mechanism adapted to be held inoperative by a pressure actuated device for a valve adapted to be closed by a gravity actuated lever comprising a latch to hold said lever in unactuated position, a pivotally mounted member weighted at one end and held against gravity by said device, a catch on said pivotally mounted member, and a member carried by said latch and cooperating with said catch to actuate the latch.

2,204,339

ALKYLATED PHENOLS AND A PROCESS OF PRODUCING THEM

Albert Frank Bowles, Philadelphia, Pa., assignor to Reilly-Whiteman-Walton Company, Conshohocken, Pa., a corporation of Pennsylvania

Application September 19, 1938, Serial No. 230,572
5 Claims. (Cl. 260—624)

5. A crude synthetic product resulting from double condensation and alkylation of a phenolic compound and a saturated aliphatic alcohol of chain length at least as great as ethyl alcohol in the presence of a dehydrating catalyst, having a toxicity of from 0.75 to 1.37 grams per kilogram of body weight on white mice, relatively non-corrosive to healthy tissue, having a phenol coefficient by the Federal Food and Drug Administration method of from 90 to 240 depending upon the particular microorganism used in the tests and including fractions having specific boiling ranges at a pressure of 3 to 4 millimeters of mercury of between 138° C. and 142° C., between 155° C. and 164° C. and between 190° C. and 220° C.

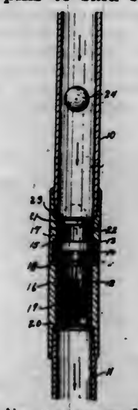
2,204,340

RELEASABLE FLOATING VALVE

John R. Bradshaw, Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.

Application June 1, 1939, Serial No. 276,769
2 Claims. (Cl. 166—13)

1. In floating equipment for use in pipe in oil wells, a collar adapted to be made up with the pipe, a valve cage in said collar, said valve cage having a valve therein, means for latching the valve cage against upward movement in said collar, means for sealing the valve cage to said collar and means for tripping the latching means when desired to permit said valve cage and the valve therein to move upwardly and out of the pipe after the pipe has been floated into the well, said latching means including a releasing ring held by shear pins to said collar and having a



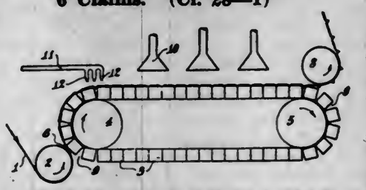
valve seat on its upper end and said tripping means including a ball adapted to rest upon said valve seat.

2,204,341

CRIMPING THREADS, FILAMENTS, AND THE LIKE

Henry Patrick Cobb, Harrow Weald, England, assignor to Courtaulds Limited, London, England, a British company

Application April 17, 1939, Serial No. 268,401
In Great Britain April 27, 1938
6 Claims. (Cl. 28—1)



1. A method of crimping thread which comprises delivering the thread on to the outer surface of an endless moving conveyor passing round drums or rollers and provided with transverse slots which are closed as the conveyor passes between the said drums or rollers but are forced open as it passes round them, at a point where the said conveyor passes round one of the said drums or rollers, fixing the crimp formed in the thread by the walls of the slots nipping the thread as they close together as the conveyor leaves the said drum or roller and thereafter removing the crimped thread from the conveyor at a point where it passes round another drum or roller.

2,204,342

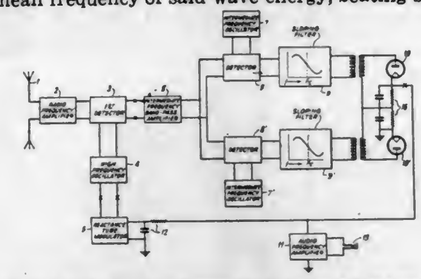
BACK-TO-BACK RECEIVER

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 6, 1938, Serial No. 244,153
12 Claims. (Cl. 250—20)

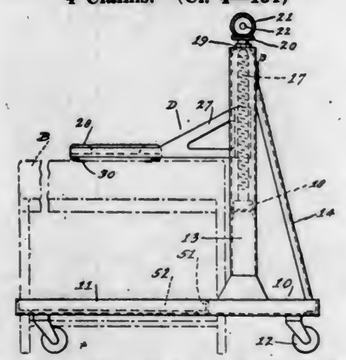
1. The method of producing by means of phase or frequency modulated wave energy other wave energies modulated in opposed sense or polarity by phase or frequency modulations corresponding to the phase or frequency modulations on the said first wave energy which includes the steps of, generating oscillations of a frequency higher than the mean frequency of said wave energy.

beating said original phase or frequency modulated wave energy with said generated oscillations of higher frequency to produce a first phase or frequency modulated beat note, or generating oscillations of a frequency lower than the mean frequency of said wave energy, beating said



original phase or frequency modulated wave energy with said generated oscillations of lower frequency to produce a second phase or frequency modulated beat note in which the sense or polarity of phase or frequency modulation is opposite to the sense or polarity of the phase or frequency modulations on said first beat note.

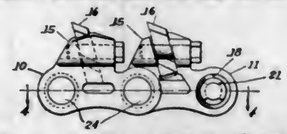
2,204,343
ADJUSTABLE BEDPAN
Melville Patrick Dawson, Outremont, Quebec, Canada, assignor of sixty per cent to Pious James Dunlop, Timmins, Ontario, Canada
Application April 21, 1939, Serial No. 269,156
4 Claims. (Cl. 4—134)



1. In a bedpan device, the combination of a frame adapted to be moved upon a floor to a position adjacent the bed and including a rigid structure rising vertically above said frame, a rigid member extending from said structure above said frame, a toilet seat supported by said member, a receptacle supported under said seat, and means associated with said structure and said member for lowering said member to the bed to seat the patient upon said seat, and to raise said member with the patient to the required position.

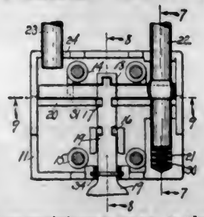
2,204,344
CUTTER CHAIN
Edward J. Doberstein, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 3, 1938, Serial No. 222,749
12 Claims. (Cl. 74—252)

1. An endless chain including a plurality of chain links, and a pivotal bearing connection between adjacent links of said chain including an annular recess formed in one of said links, an annular bearing member projecting from another of said links and adapted to have pivotal bearing engagement with said recess, a retaining member projecting from said link having said recess formed therein and having an interengag-



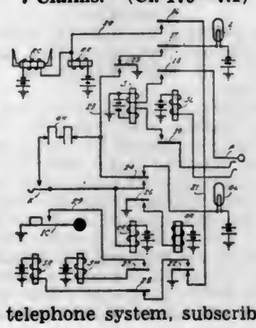
ing member projecting laterally therefrom, the wall defining the inner periphery of the annular bearing member of said other link extending within said link to form a recess therein, and an interengaging member extending inwardly from said wall and adapted to be slidingly and lockingly engaged with said other interengaging member.

2,204,345
LOCK
Louis M. Dyson, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application August 15, 1939, Serial No. 290,215
5 Claims. (Cl. 70—38)



1. A lock comprising a case, a shackle including a long arm extending into said case, a recess formed in one side of said arm by metal extruded therefrom, a stop formed by the metal extruded from said recess, means engaging said stop to limit both outward and inward movement of said shackle, and a locking member engaged within said recess to lock the shackle in place and positioned for operation by a key to release said shackle.

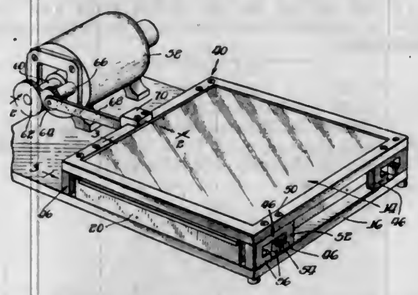
2,204,346
TIME RECORDER SYSTEM
George R. Eaton, Oak Park, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application December 3, 1936, Serial No. 113,980
7 Claims. (Cl. 179—7.1)



1. In a telephone system, subscribers' lines, a

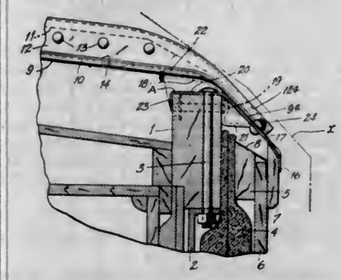
cord circuit for interconnecting said lines, a time recording device in said cord circuit, means for progressively actuating said recording device during the continuance of a conversational circuit over connected lines, means for releasing said recording device and means for actuating said releasing means upon connection of said cord circuit to a subscriber's line.

2,204,347
RADIOGRAPHIC METHOD AND APPARATUS
Glenn W. Files, Oak Park, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application March 10, 1938, Serial No. 195,183
18 Claims. (Cl. 250—62)



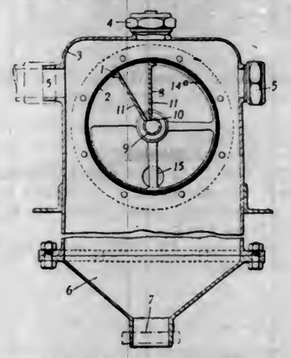
1. A method of making short exposure X-ray radiographs which comprises energizing an X-ray tube by pulsating current and vibrating a diaphragm of alternate X-ray opaque and X-ray transparent strips transversely of the produced beam of X-rays in synchronism with the pulsating current, the reversal of the diaphragm at each of its limits of movement being accomplished within the time interval that the magnitude of the pulsating current impulse is below the value required to produce X-rays.

2,204,348
FREIGHT CAR CONSTRUCTION
Paul E. Finger, New Kensington, Pa., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa., a corporation of Delaware
Application November 23, 1938, Serial No. 241,922
14 Claims. (Cl. 105—404)



1. In a freight car construction, wooden side plates, metal cover plates having portions seated on the tops of the respective side plates and portions extending outwardly therebeyond, and a metal roof spanning from side plate to side plate with its eaves end portions supported on, and secured to the outwardly extending portions of said metal plates beyond the outer faces of said side plates, the outwardly extending portions of said metal plates and the eaves end portions of the roof supported thereon and secured thereto being inclined downwardly and outwardly beyond said side plates at an angle approximately equal to the slope of the established clearance outline for car roofs above the eaves thereof.

2,204,349
FILTERING OR STRAINING OR LIKE TREATMENT OF FLUIDS
William James Forrest, Ilford, England
Application August 26, 1937, Serial No. 160,982
In Great Britain May 11, 1937
5 Claims. (Cl. 210—152)

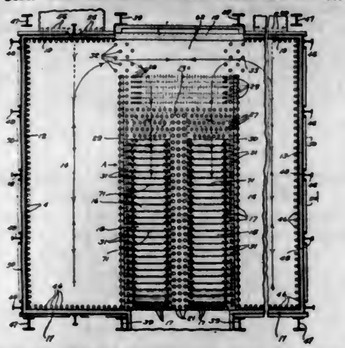


1. A method of filtering solid bodies out of liquids to obtain a pure filtrate which consists in passing the liquid to be filtered through a stationary filtering medium, isolating the filtrated liquid completely from the crude material except by way of the filtering medium, returning a confined body of the filtrate toward the filtering medium under a pressure greater than that of the crude material and passing said confined body of filtrate under pressure through a portion of the filtering medium in a direction reverse to the main flow therethrough to dislodge the dross adhering to the crude material side thereof and to discharge same together with the returning filtrate into the crude material whilst continuously carrying on filtration, moving said confined body of filtrate under pressure progressively over the filtrate side of the filtering medium and maintaining its volume uniform so that the crude material side of the filtering medium is uniformly cleansed, said returning filtrate carrying the dross therewith freely mixing with the crude material whereupon such dross or the major portion thereof separates itself from the crude material under the influence of gravity.

2,204,350
STEAM GENERATOR
Martin Frisch, Cranford, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application November 19, 1936, Serial No. 111,638
13 Claims. (Cl. 122—336)

1. A steam generator comprising a setting, a steam generating section in the setting, an undivided furnace in the setting laterally disposed with respect to the steam generating section and separated therefrom, a gas passage at one end of the furnace connecting the furnace and said section, and means at said one end of the furnace for producing a stream of products of combus-

tion which flows through the furnace toward the other end thereof and then returns to said one



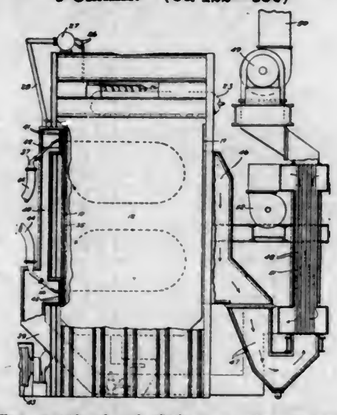
end and thereafter flows through said gas passage and through the steam generating section.

2,204,351

METHOD OF FIRING STEAM GENERATORS

Martin Frisch, Cranford, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application November 19, 1936, Serial No. 111,639
9 Claims. (Cl. 122—336)



1. The method of firing a steam generator which comprises producing a plurality of separate, vertically disposed, substantially parallel streams of products of combustion in a furnace, causing said streams to abruptly change their directions of flow in a vertical plane and to impinge upon and mix with each other and to flow through the furnace in a direction substantially parallel to the separate streams, and causing the resulting stream to abruptly change its direction of flow prior to flowing in heat exchange relationship with the steam generating surface of the generator.

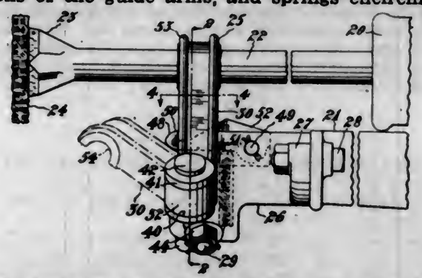
2,204,352

CENTRALIZER FOR DRILL STEELS

George H. Fuehrer, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application May 25, 1938, Serial No. 209,895
4 Claims. (Cl. 255—45)

1. A centralizer for drill steels, comprising a support, a pair of guide arms, pivots on the support for the guide arms, portions on the guide arms and the support interlockingly engaging each other in the guiding and non-guiding positions of the guide arms, and springs encircling



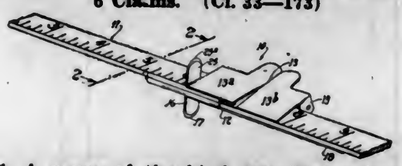
the pivots acting on the guide arms and the pivots to maintain said portions in interlocking engagement.

2,204,353

RULE GAUGE

James W. Fulton, Waukegan, Ill.

Application December 12, 1938, Serial No. 245,115
6 Claims. (Cl. 33—173)



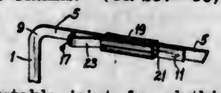
1. A gauge of the kind described embodying therein a pair of plate-like members adapted for engagement with opposite sides of an elongated blade member, one of said plate-like members comprising a plurality of plate-like parts, means providing a spring pressed, relatively hinged connection between said plate-like parts and the other of said plate-like members, and means carried by one of said plate-like members and arranged at a right angle to the length of the blade member and forming a gauge flange.

2,204,354

GARMENT STRETCHER AND CREASER

Walter C. Hansen, St. Louis, Mo.

Application October 6, 1938, Serial No. 233,512
6 Claims. (Cl. 287—58)



1. An adjustable joint for clothing stretcher bars and the like, comprising a pair of adjacent, relatively slidable sections, an integral portion of at least one of said sections being directed toward the other section to provide a resilient wedge-shaped portion between sections, and at least one separate sliding tubular thimble snugly surrounding the sections where the sections are closely adjacent to one another, said thimble being adapted to slide over said wedge-shaped portion to effect a frictional grip between the sections.

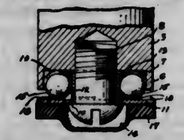
2,204,355

VALVE SEAL

Terence G. Hare, Windsor, Ontario, Canada

Application March 10, 1939, Serial No. 260,924
8 Claims. (Cl. 251—46)

1. In a valve having a seat and a control stem mounted on threads for rotary movement toward and away from the seat, a sealing member and antifriction mounting therefor comprising, a race disposed adjacent the end of the stem, a second race, balls between the races, a collet having one end associated with one race and the other end



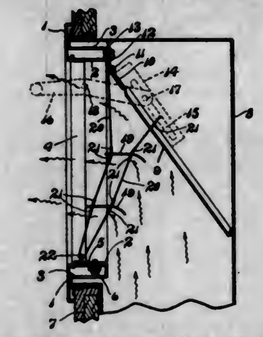
connected to the other race for holding the races and balls in assembly, a screw extending through the collet and threaded into the stem for clamping the collet to the stem, and a sealing member secured to the second race for closing the seat.

2,204,356

GRILLE

Loyd E. Heasley and Nelson E. Cole, Holland, Mich., assignors to Hart & Cooley Manufacturing Company, Holland, Mich., a corporation of Delaware

Application August 1, 1938, Serial No. 222,435
7 Claims. (Cl. 98—106)



1. In a register construction, an open register frame, a plate pivotally suspended at its upper edge at the rear of the frame and adapted to close the frame in one position or to be moved rearwardly to open said frame and extend downwardly and to the rear from the frame, manually operable means for moving the plate between its closed and open positions, a plurality of air directing vanes, and flexible means secured at their upper ends to the frame and extending downwardly to adjacent the lower side of the frame and thence upwardly to and through said plate, said vanes being carried by said flexible means in spaced apart relation to each other and each connected to said flexible means at two spaced apart points on the vanes whereby the vanes are automatically moved to a substantially horizontal position upon moving the plate to its register opening position.

2,204,357

LAMELLAR TRISODIUM PHOSPHATE HYDRATE

Winfield Walter Heckert, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 5, 1938, Serial No. 194,170
6 Claims. (Cl. 23—239)

3. A flaked product composed essentially of trisodium phosphate, alkali metal silicate and water of crystallization having the composition which results from flaking a melt containing 5 to 9 per cent soluble SiO_2 and about 55 to 58 per cent water and having the form resulting from casting the melt into a thin, semi-solid film on a flaking drum and stripping the film from said drum while it is in a semi-solid state and amenable to plastic deformation, said form characterizing the product as thin, curly, somewhat lace-like flakes bulking at least 85 cubic inches per pound.

2,204,358

LAMELLAR TRISODIUM PHOSPHATE HYDRATE

Winfield W. Heckert, Wilmington, and James E. Kirby, Holly Oak, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 5, 1938, Serial No. 194,171
8 Claims. (Cl. 23—239)

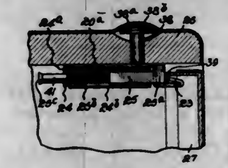
3. A flaked product composed essentially of trisodium phosphate, alkali metal borate, and water of crystallization having the composition which results from flaking a melt containing 5 to 9 per cent soluble B_2O_3 and about 50 to 60 per cent water and having the form resulting from casting the melt into a thin, semi-solid film on a flaking drum and stripping the film from said drum while it is in a semi-solid state and amenable to plastic deformation, said form characterizing the product as thin, curly, somewhat lace-like flakes bulking more than 70 cubic inches per pound.

2,204,359

DOOR LATCH OR CATCH FOR CAMERAS AND OTHER STRUCTURES

Henry M. Hendrickson, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Application October 28, 1939, Serial No. 301,798
6 Claims. (Cl. 292—86)



1. A combined latch and opening-starter for camera doors and other structures, comprising in combination, a resilient, metallic body portion adapted to be secured at a part only thereof to an inner face of a fixed wall of the structure adjacent the position of the forward edge of the door when tightly closed to said inner face, leaving another part of the body portion capable of being sprung from latching position, and which door has at said leading edge a formation to be engaged by said latch, said body portion having at its said springable part, a part adapted to engage the outer face of said formation, and having a spring pressed plunger to engage the opposite face of said formation, and a finger-actuated plunger mounted in said fixed wall of the structure at such springable part of said body portion of the said latch, whereby pressure against said latter plunger releases said part of the latch from said formation and permits said spring pressed plunger to force open the said door.

2,204,360
PROCESS FOR PROTECTING MATERIALS OF KERATIN COMPOSITION
Harry Humfeld and James H. Kettering, Arlington, Va., and Ruth E. Elmquist, Washington, D. C.; dedicated to the free use of the People of the United States of America
No Drawing. Application June 29, 1937, Serial No. 150,930
2 Claims. (Cl. 21—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

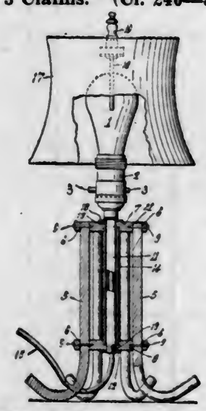
1. A process for protecting fibrous materials of keratin composition, which comprises subjecting said materials to the action of heat ranging from 212° F. to 275° F. for periods from 12 to 1 hours, the while immersed in Stoddard solvent, thence removing the excess liquid therefrom.

2,204,361
HAIR DEVICE
William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application April 14, 1939, Serial No. 267,763
4 Claims. (Cl. 132—38)



4. A hair former of the character described comprising a flexible rubber tube having open ends, a loop of pliable wire having one arm extending lengthwise through the tube and a second arm extending lengthwise over the exterior surface of the tube, a ribbon passing through the tube and having free end portions extending outwardly beyond the ends of the tube, a clasp for joining the arms together to form the loop and for securing the ribbon to the loop, said clasp being disposed within the tube.

2,204,362
ELECTRIC TABLE LAMP
Douglas F. Illian, Evanston, Ill.
Application April 7, 1939, Serial No. 266,550
3 Claims. (Cl. 240—81)



1. In an electric lamp comprising an electric light source and a base supporting said source, said base including a plurality of supporting elements each having an end exposed to said source and having the characteristic of transmitting and bending light without emitting same between its ends, the ends of said elements spaced from said source facing outwardly to emit light received from said source, spaced horizontal elements spacing said supporting elements, a conductor conduit extended between said horizontal elements, a connection at the upper end of said conduit to seat removably said light source, a current conductor extended upwardly thru said conduit to said connection, and a shade enclosing said light source.

2,204,363
METAL AWNING
John F. Jenkins, Park Ridge, and Frederick W. Burrows, Evanston, Ill.
Application January 16, 1939, Serial No. 251,078
3 Claims. (Cl. 156—44)

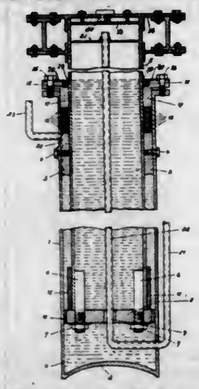


2. An awning in which is comprised a plurality of longitudinally extending slats, means interconnecting the slats along adjacent longitudinal edges and depending therebelow in spaced relation to each other whereby to provide a continuous rollable sheet, means for sustaining one awning edge adjacent a fixed support, means for sustaining the opposite awning edge outwardly from such support, and flexible tension means extending crosswise of the awning between said opposite edges thereof having a fixed connection with each slat at a point intermediate of the depending connecting means therefor whereby the flexible tension means furnishes for each slat a truss support with all of the slats placed under compression, said truss support comprising oppositely inclined portions extending upwardly from opposite sides of the bottom of each interconnecting means of the slats to the points of attachment of the flexible tension means, the interconnecting means of the slats offsetting the flexible tension means from the slats and forming a strut for the truss support.

2,204,364
LAMELLAR TRISODIUM PHOSPHATE HYDRATE
Raymond J. Kepfer, Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 5, 1938, Serial No. 194,079
5 Claims. (Cl. 23—239)

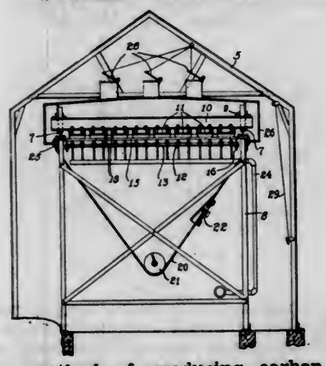
4. A composition of matter in the form of thin, curly, somewhat lace-like flakes bulking about 75 to 85 cubic inches per pound containing trisodium phosphate, sodium carbonate, sodium sulfate, and water of crystallization, said composition having on an anhydrous basis about 14 to 22 per cent of sodium carbonate and sodium sulfate in the proportion of about 1:2 to 2:1 and the balance substantially trisodium phosphate.

2,204,365
LIFTING PLATFORM
Karl Klemm, Dresden, Germany
Application November 30, 1937, Serial No. 177,323
In France October 28, 1936
1 Claim. (Cl. 121—46)



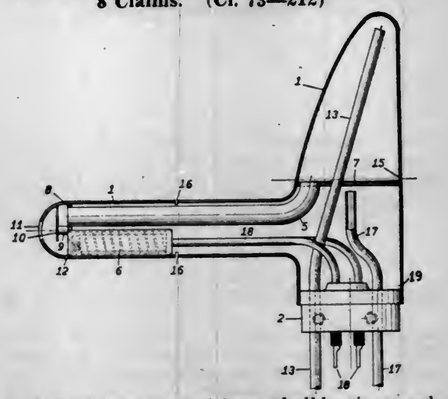
A lifting platform for vehicles, comprising an outer cylinder, a hollow piston sliding in the cylinder and closed on top, supports on the piston for holding vehicles, a liquid nearly filling the piston and cylinder, means for conducting compressed air under the piston on top of the liquid, a guide formed at the upper end of the cylinder for said hollow piston, a head provided at the lower end of the piston and extending beyond the circumference of the piston and serving as a lower piston guide, a central opening in said head, the said means for conducting compressed air passing through said central opening, said opening being so dimensioned that a passage is formed between the means for conducting compressed air and the walls of the opening, additional passages provided in the piston head in the space between the cylinder wall and the piston wall, the said central and additional passages acting as a brake during a lowering motion.

2,204,366
METHOD OF MAKING CARBON BLACK
William A. Knapp, Monroe, La., assignor to Imperial Oil & Gas Products Company, Pittsburgh, Pa., a corporation of West Virginia
Application February 12, 1936, Serial No. 63,530
Renewed November 8, 1939
2 Claims. (Cl. 134—60)



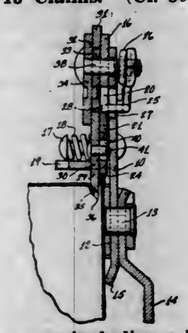
1. The method of producing carbon black, which comprises moving a flat collecting surface over burner tips positioned to produce on the said surface areas of flame spread which are of lesser width than the spaces between said areas, confining the products of combustion from the burner to a zone closely surrounding the said surface, at a temperature not substantially less than 500° F., and removing the deposited carbon black from said collecting surface after it has been exposed to said products of combustion for a period of not substantially less than 3½ hours.

2,204,367
TRAPPED SELF-DRAINING PITOT-STATIC TUBE
Paul Kollsman, New York, N. Y., assignor, by mesne assignments, to Square D Company, Detroit, Mich., a corporation of Michigan
Application May 3, 1938, Serial No. 205,765
8 Claims. (Cl. 73—212)



1. A Pitot tube comprising a shell having a substantially horizontal tubular portion and a protuberance extending above said horizontal portion; a partition separating the space within the protuberance to form a chamber separate from the remainder of the space within said shell; a dynamic pressure duct in said horizontal portion forming a dynamic pressure port at the front end of the horizontal portion and terminating in said chamber; and a pressure connection at said chamber at a point above said duct and below the highest point of said protuberance.

2,204,368
CAN OPENER
Frederick W. Kublin, St. Louis, Mo., assignor to Dazey Churn & Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application June 26, 1936, Serial No. 87,353
13 Claims. (Cl. 30—15)



1. A can opener including a base, a feed wheel

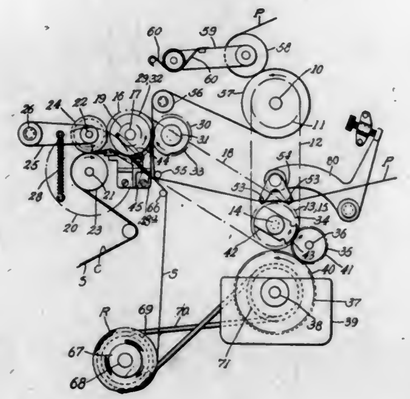
and means for turning the same, mounted on said base, a blade movable toward and from said feed wheel, a spring-biased pressure element adapted to engage a can and urge the same into frictional engagement with the feed wheel, said element being mounted on the base for movement, independently of the blade movement, in the direction of the plane of the feed wheel, and a lever operatively connected to the blade and pressure element for moving the same away from the feed wheel.

2,204,369

CIGARETTE TIPPING DEVICE

James W. Leary, Bloomfield, N. J., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application April 6, 1935, Serial No. 14,994
17 Claims. (Cl. 154—36)



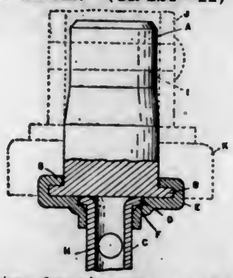
1. In a tipper, the combination with mechanism for continuously advancing from a roll a web of tipping material having a backing strip, of means for separating the backing strip from the web of tipping material, mechanism for continuously advancing a web of wrapping material, a device for applying paste at predetermined intervals to the traveling web of wrapping material, cutting mechanism operating to sever lengths from the traveling web of stripped tipping material and advance them into register with the pasted sections of the web of wrapping material, and means for pressing the registered lengths into adhering relation with the pasted sections of the wrapping material, said cutting mechanism including a stationary block having a concave face, a ledger plate set into said face, a revolving drum disposed adjacent said face and provided with a chordal slot, the gap between said drum and face being slightly greater than the thickness of the tipping material, a knife fastened in the slot in said drum with its cutting edge projecting sufficiently from the periphery of the drum to sever lengths on said ledger plate from the web of tipping material in said gap and advance them along said face, and a suction conduit on which said drum revolves, said conduit having a perforation and said drum being provided with port holes in front of said knife to register with said perforation in order to suctionally retain the severed length on the drum while it is being transferred to the pasted section of the web of wrapping material.

2,204,370

PISTON FOR AIR GUNS

Charles F. Lefever, Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan

Application December 19, 1938, Serial No. 246,715
5 Claims. (Cl. 124—11)



1. In a piston for air guns, a solid cylindrical core member radially outwardly flanged at its forward end, an aligned air tube radially outwardly flanged at its rear end, and a coupling member surrounding said air tube and engaging the flange thereof having a clinching engagement with the flange of said core member.

2,204,371

PROCESS FOR THE PRODUCTION OF N-SUBSTITUTED FORMAMIDES

Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 22, 1937, Serial No. 155,005
17 Claims. (Cl. 260—561)

9. A process for the production of substituted formamides by reaction of an alcohol, ammonia, and carbon monoxide, in the presence of a catalyst comprising a salt of a weak acid and a strong base, substantially in accordance with the reaction:

$$CO+NH_3+ROH \rightarrow HCONHR+HOH$$

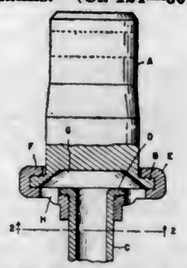
wherein R represents a radical of the group consisting of alkyl and aralkyl radicals.

2,204,372

PISTON FOR AIR GUNS

John J. McHenry, Detroit, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan

Application December 19, 1938, Serial No. 246,716
4 Claims. (Cl. 124—30)



1. In a piston for air guns, a solid cylindrical core member enlarged and transversely slotted at its forward end, an axially aligned air tube with a peripherally flanged rear end abutting against the slotted end of said core member and

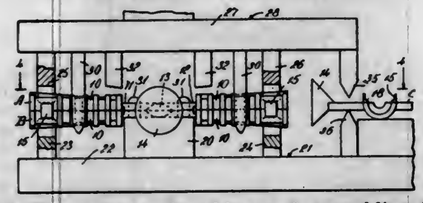
communicating with said slot, and clamp means coupling said air tube to said enlarged end of said core member leaving an unobstructed air passage into said slot.

2,204,373

METHOD OF MAKING AND ASSEMBLING EXPANSION SHIELDS

Roy E. McIntosh, New York, N. Y., assignor to Star Expansion Bolt Company, New York, N. Y., a corporation of Illinois

Application September 7, 1938, Serial No. 228,759
8 Claims. (Cl. 29—148.2)



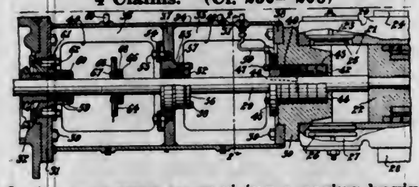
1. The process of making and assembling interconnected groups of sectional expansion shields which consists in die casting a plurality of complementary, longitudinally divided shield sections in an interconnected group, certain of the longitudinally divided sections having embracing means engageable with other divided sections in a manner to hold the sections in assembled relation, assembling interconnected groups of complementary sections, severing the connecting portions of the assembled sections and causing the holding means on one group of divided sections to embrace and engage the other divided sections.

2,204,374

COMPRESSOR

Chester W. Metzgar, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application June 4, 1938, Serial No. 211,735
4 Claims. (Cl. 230—206)



1. A compressor, comprising a casing having a compression chamber and a pressure chamber, a piston in the compression chamber, a rod for the piston extending through the pressure chamber, a self-lubricating packing at one end of the pressure chamber for the rod, an oil lubricated packing at the other end of the pressure chamber, means on the rod to prevent the flow of oil along the rod from the oil lubricated packing to the self-lubricating packing, and means for constantly introducing pressure fluid into the pressure chamber to prevent fluid medium being pumped by the compressor from entering the pressure chamber.

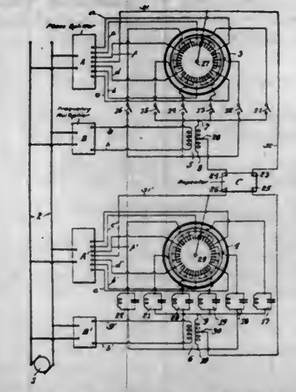
2,204,375

ELECTRONIC DISTRIBUTOR SYSTEM

Montford Morrison, Upper Montclair, N. J.

Application March 17, 1937, Serial No. 131,285
19 Claims. (Cl. 250—27)

1. In an electron discharge tube system, an even number of anodes greater than two and an even number of control grids greater than two, means providing electron tube conductivity for said grids and anodes, a circuit for each grid,



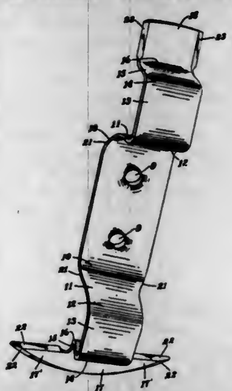
means providing polyphase alternating voltage excitation for the said grids, a circuit for each anode, and means in the anode circuit for rendering only one of said anode circuits practically operable at a time under grid excitation.

2,204,376

OIL CONVEYING MEMBER FOR JOURNAL BOXES

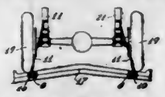
Thomas E. Newberry, Northumberland, Pa., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

Application August 14, 1936, Serial No. 95,985
3 Claims. (Cl. 308—86)



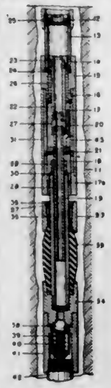
3. A dipper for a railway journal box comprising a flat plate having blades at the ends thereof adapted to lift oil in the journal box, said plate having a flat base portion adapted to be secured to the end of a journal, intermediate portions of lesser width than and offset laterally from said base portion and parallel thereto, said blade portions being parallel to said base portion and offset from said base an amount less than said intermediate portions, the portions joining said base and intermediate portions being gently curved throughout substantially their entire length and progressively decreasing in width from said base toward said intermediate portions.

2,204,377
AUTOMOBILE DECKING DEVICE
William J. Nightingale, Flint, Mich., assignor, by mesne assignments, to H. J. Forster, trustee for the Association of American Railroads
Application December 20, 1934, Serial No. 758,378
2 Claims. (Cl. 105—368)



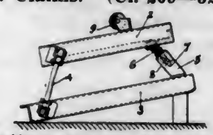
2. An automobile decking frame for raising and supporting automobiles comprising, in combination, a base frame having means thereon in positions to receive and support the road wheels of an automobile, tensioning means on said frame adapted to be connected to the automobile thus supported to hold the same down upon said wheel supporting means of the frame, said wheel supporting means being inclined to the normal plane of contact of the road wheels of an automobile and so arranged relative to one another that the wheel supporting means on one side of the frame are inclined opposite to those on the other side whereby when an automobile is supported upon said decking frame, the road wheels thereof are prevented from extensive lateral play by the inclined character of the supporting means therefor.

2,204,378
OPEN HOLE PACKER
Roland E. O'Donnell, Midland, Tex., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application June 8, 1939, Serial No. 278,051
3 Claims. (Cl. 166—10)



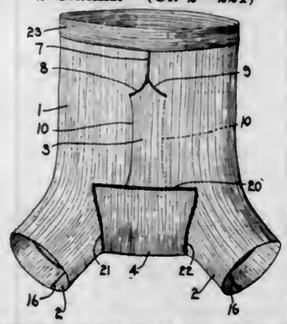
1. In combination, an open hole packer assembly and a packer setting assembly for temporarily securing and sealing a conduit in a well, said packer assembly including a central hollow mandrel with a lower shoe fixed thereto and having a back pressure valve operatively connected therewith, an anchor pipe for preventing downward movement of said mandrel and lower shoe, a packer on said mandrel above said lower shoe, an upper shoe slidably mounted on said mandrel above said packer and having means for gripping said mandrel to prevent upward movement with respect thereto, and said packer setting assembly including means for detachably connecting a conduit to said hollow mandrel in fluid tight relation, means for depressing said upper shoe to set the packer and releasable means operable by manipulation of said conduit for holding said upper shoe depressing means in inoperative position, to prevent the setting of said packer prematurely.

2,204,379
VIBRATING SCREEN STRUCTURE
Gustave A. Overstrom, Big Sur, Calif.
Application December 20, 1935, Serial No. 55,348
7 Claims. (Cl. 209—326)



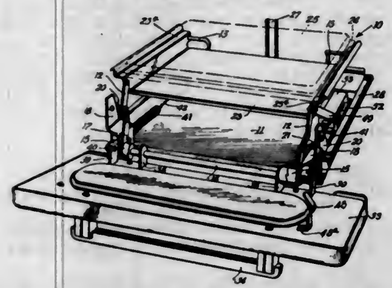
2. A vibrating screen structure including a screen box having a screen cloth therein, a support, a pair of flexible leaf spring supporting legs secured at one end to the support and attached at the other end to the screen box near its discharge end, the longitudinal axes of said legs being inclined upwardly and at an angle towards the feed end of the box, a pair of longitudinally compressible resilient members interposed between the support and the box near the feed end, said members being resilient along lines inclined upwardly and at an angle towards the discharge end of the box, said supporting legs and compressible members forming the sole support for the box, and a rotatable unbalanced vibration imparting member mounted solely on the screen box.

2,204,380
UNDERWEAR
Gordon D. Pray, Grand Rapids, Mich., assignor to Globe Knitting Works, Grand Rapids, Mich., a corporation of Michigan
Application November 14, 1938, Serial No. 240,232
2 Claims. (Cl. 2—224)



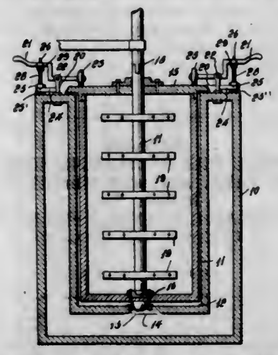
1. A garment of the class described comprising a body portion and a crotch member having opposing side edges and a horizontally extending front top edge, said body including side portions, the material thereof having ribs extending longitudinally thereof, said side portions adapted to be overlapped in front and secured together by a vertical seam extending downwardly from the top edge thereof, said front having a slit therein spaced downwardly from the bottom of said seam and extending transversely of said ribs, the horizontally extending front top edge of said crotch member being secured to the upper edge of said slit, the free portion between said seam and said slit forming a normally closed fly, and the lower edges of the slit being secured to the forwardly extending portions of opposing side edges of the crotch member.

2,204,381
BROILER CONSTRUCTION
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application April 19, 1937, Serial No. 137,601
13 Claims. (Cl. 126—41)



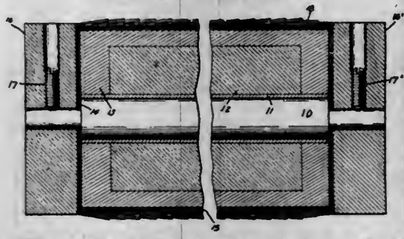
1. In combination in a broiler construction of the character described adapted for use in a stove having an opening for access to the broiler, supporting structure having a vertically adjustable food support and elevating mechanism connected between said structure and support, a pivoted door member adapted to close the access opening of the stove, means for rendering said door member releasably connectible with said mechanism in response to a motion other than pivotal and thereafter acting in response to pivotal motion of said door member to operate said mechanism and effect movement of said food support into a selected elevated position, and means for holding said food support in such elevated position.

2,204,382
REFRIGERATION
Henry Romanski, New Orleans, La.
Application May 20, 1937, Serial No. 143,794
1 Claim. (Cl. 62—173)



The method of converting an edible mass into a frozen confection; said method comprising securing a container in heat exchange relation with and in fixed relation with an evaporator of a refrigerating system of the compressor, condenser, expander type; confining said mass within said container; simultaneously driving an agitation means through the mass through power derived from the prime mover of the compressor and absorbing heat from said mass by operation of the evaporator; and utilizing the mass after the latter becomes frozen to release the container from said fixed relation and cause it to partake of the motion of the agitation means and thereby obviate a drag upon the prime mover due to movement of the agitating means through the frozen mass.

2,204,383
MANUFACTURE OF PRINTING ROLLS
Moyer M. Safford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application October 25, 1935, Serial No. 46,686. Divided and this application April 8, 1937, Serial No. 135,750
5 Claims. (Cl. 91—67.8)



1. The method of making a printing roll which comprises winding on a core provided with a partially vulcanized soft rubber surface the requisite number of layers of a composition comprising alkyd resin and plastic polymers of chloroprene, securing the end surfaces of the roll and tightly binding the resin surface with a porous covering, vulcanizing in dry heat to the desired surface hardness, cooling, removing the coverings and machining the roller surface to size.

2,204,384
ADHESIVE COMPOSITION AND METHOD OF PREPARING THE SAME
Henry M. Salisbury, Hawthorne, N. J.
No Drawing. Application April 24, 1937, Serial No. 138,753
2 Claims. (Cl. 134—23.4)

2. A dry mixture adapted for use with water to make paste and liquid adhesives and comprising sucrose about 55% to about 45%, material selected from the group consisting of starch and dextrine about 43½% to about 53½%, and an invert-converting material selected from the group consisting of non-volatile acids and non-volatile acid salts about 1½%.

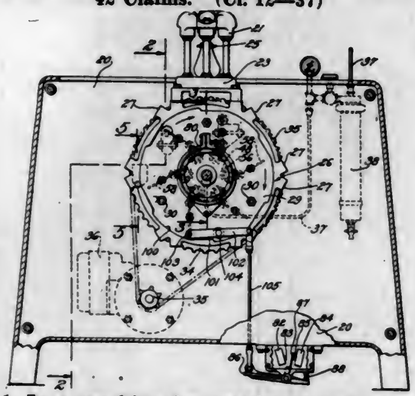
2,204,385
SELF-LOCKING NUT
Martin Schmidt, Weende, near Gottingen, and Karl Gmöhling, Gottingen, Germany
Application September 29, 1938, Serial No. 232,382
In Germany September 29, 1937
4 Claims. (Cl. 151—7)



1. A self-locking nut for fastening a screw stud to a non-apertured sheet metal member, comprising an outer casing having at least one lateral projection of its bottom portion adapted to be secured to said sheet metal member, a female threaded member within said casing, said casing having an aperture in its top, coaxial with said threaded member, and a locking insert of a resilient material, said insert being secured next to the lower portion of said female member, said

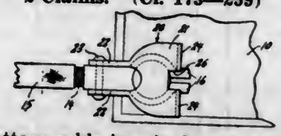
female member and said casing embodying means for preventing rotation relatively to each other.

2,204,386
PRESSING MACHINE FOR USE IN FOOTWEAR MANUFACTURE
John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application October 28, 1938, Serial No. 237,447
42 Claims. (Cl. 12—37)



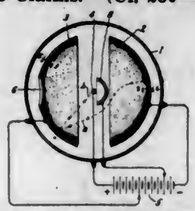
1. In a machine for pressing shoe work, the combination comprising a rotary carrier having a plurality of presses thereon, each press having a fluid operated pressure applying device associated therewith, a common source of pressure fluid, conduits connecting each device with said source, a valve in each conduit movable to pressure applying position where it connects its associated device with said source and to exhaust position where it exhausts fluid from said device, means for driving said carrier step by step to present said presses in turn at an operating station, means controllable by an operator for moving the valve of a press at said operating station to pressure applying position, carrier starting means controllable at the will of an operator to start said driving means, carrier stopping means for automatically stopping said driving means when said carrier has advanced one step, mechanism located in advance of said operating station for moving an adjacent valve to its exhaust position, and means operable during a dwell of said carrier for controlling operation of said mechanism by said carrier starting and stopping means.

2,204,387
BATTERY TERMINAL QUICK ACTION CLIP
Raymond C. Steenholdt, Canton, S. Dak.
Application November 25, 1939, Serial No. 306,090
2 Claims. (Cl. 173—259)



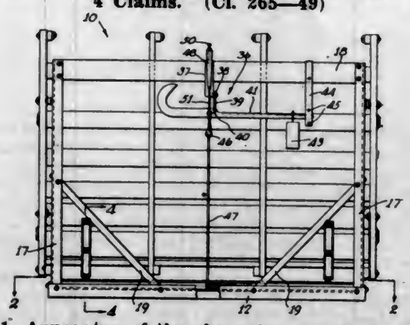
1. A battery cable terminal connector for connection with a battery terminal post comprising a split sleeve member adapted to encircle said post, a shank on said sleeve member to which said battery cable is fixed, the opposed ends of said sleeve member at the gap thereof being each provided with an extension, said extensions being arranged in opposed parallel relation, a clip comprising a pair of rearwardly extending arms adapted to straddle said shank and hingedly connected thereto, and a pair of laterally spaced depending jaw members provided at the forward end of said clip adapted to co-act in wedging engagement with said sleeve extensions when said clip is moved downwardly with relation to said post for forcing said split sleeve into clamping engagement therewith, said sleeve extensions being each provided with a vertical groove on the outer side thereof and said clip jaw members being each formed with a convexly curved inner edge portion adapted to seat in an adjacent extension groove.

2,204,388
PHOTOELECTRIC TUBE
Herbert Steyskal, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application January 28, 1938, Serial No. 187,521
In Germany March 3, 1937
3 Claims. (Cl. 250—166)



1. A discharge device including a primary cathode of relatively extensive surface area, a secondary emission electrode positioned in spaced relation to the primary cathode to receive electrons therefrom, an anode interposed between the primary cathode and the secondary emission electrode and effective during operation of the device to receive current from the secondary emission electrode, said anode being essentially punctiform so as to offer little physical obstruction to the passage of current from the primary cathode to the secondary electrode, and a baffle interposed between the anode and the primary cathode for shielding the anode from electrons emitted by the cathode.

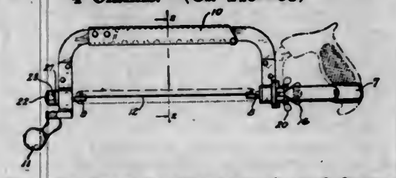
2,204,389
APPARATUS FOR WEIGHING LIVESTOCK
Andrew A. Vater, Art, and Christian J. Vater, Mason, Tex.
Application April 2, 1938, Serial No. 199,616
4 Claims. (Cl. 265—49)



1. Apparatus of the character described, comprising a bottom frame, a pair of vertical posts

on said frame, a bar interconnecting the upper ends of said posts, a horizontal V-shaped member, means for pivotally connecting the outer ends of the arms of said V-shaped member to said frame, weighing mechanism interconnecting the apex of said V-shaped member with said bar, a crate adapted to receive animals, supported on intermediate portions of the arms of said V-shaped member, and links interconnecting said posts with said crate, said crate having upwardly and outwardly inclined front and rear walls, and doors at both ends thereof.

2,204,390
HACKSAW
Sterling W. Albright, Racine, Wis.
Application May 26, 1938, Serial No. 210,096
4 Claims. (Cl. 145—33)



1. In a hacksaw having a U-shaped frame, a blade support projecting inwardly from one end of said frame, a stud journaled in the other end of said frame and having a part projecting outwardly therefrom, said projecting part having a squared portion and having an outer threaded portion, and said stud having a squared bore extending therethrough, a squared blade support extending through said squared bore, the inner end of said support being cooperable with the blade support at the other end of the frame to support a saw blade therebetween, and the outer end of said blade support projecting beyond the outer end of the stud and being threaded, a handle having a squared aperture through which the squared portion of the stud extends, a nut threaded on the threaded portion of the stud for locking said handle in a desired angular position with respect to the frame, and a nut threaded on the outer end of the blade support for moving the latter axially to apply tension to the blade.

2,204,391
CATHODE FOR ELECTRON DISCHARGE DEVICES
Victor O. Allen, Madison, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application April 29, 1939, Serial No. 270,909
15 Claims. (Cl. 250—27.5)

15. The method of forming a thermionic cathode comprising forming a cathode body of one of the group of metals comprising tungsten and molybdenum, and immersing said cathode body in a weak solution of acid, passing a current through said acid and said cathode body to cathodically electrolyze said cathode body, and coating said cathode body with thoria.

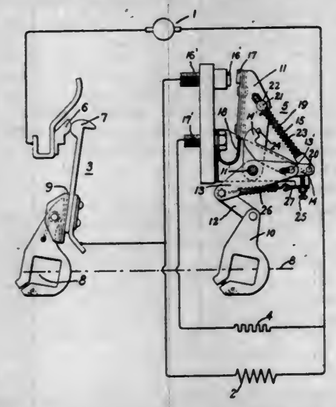
2,204,392
HOSE AND PIPE COUPLER
Frederick E. Arm, Brooklyn, N. Y., assignor of one-half to Mary Mastowski, New York, N. Y.
Application February 25, 1938, Serial No. 192,573
1 Claim. (Cl. 285—178)

A coupler for a pair of tubular members consisting of matching hooks and recesses, said hooks including rounded terminals and contiguous cam surfaces, a spring on each of the tubular members, a locking member encasing each of the springs and including a shouldered end, interengaging means on said tubular members and said locking members for limiting relative axial movement, so that the confronting edges of the shouldered ends are stopped short of the rounded terminals, means to prevent relative rotation between said locking members and said



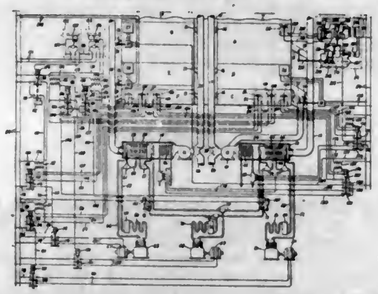
tubular members, and interengageable lugs and notches on said confronting edges of said locking members, including leading heels held in setback positions in respect to said rounded terminals to expose said terminals for initial engagement whereat the lugs are abutted preparatory to a mutual cam action of said surfaces upon oppositely turning the tubular members, the lugs riding upon each other forcing retreat of said locking members by said cam action and eventually snapping into the notches to establish a non-turning interlock.

2,204,393
AUXILIARY SWITCH
Winfield A. Atwood, Yeadon, Pa., assignor to General Electric Company, a corporation of New York
Application March 2, 1939, Serial No. 259,365
10 Claims. (Cl. 200—50)



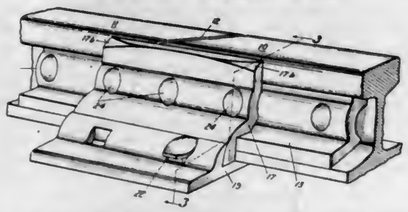
1. The combination with a circuit breaker having an operating member, of an auxiliary switch operatively connected to said member for predetermined operation with respect to said breaker comprising a pivoted switch contact arm, latching means for directly connecting said arm to said member for effecting opening movement of said auxiliary switch, and a resilient connection between said member and arm for closing said auxiliary switch in response to initial movement of said member prior to actual opening of said breaker, said connection being stressed during continued opening of said breaker for latching said arm with respect to said member, and for increasing the contact pressure at said auxiliary switch.

2,204,394
AIR CONDITIONING SYSTEM
Edward A. Bailey, West Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application March 21, 1936, Serial No. 70,100
19 Claims. (Cl. 257—3)



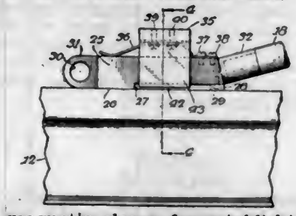
10. In a variable demand cooling system the combination of a pair of zones normally having maximum cooling demands during different predetermined periods, separate cooling apparatus for each zone comprising an air conditioner having means for circulating air from said conditioner to the corresponding zone, and refrigerating apparatus for cooling the air, an auxiliary refrigerating apparatus having separate heat absorbing means for cooling the air in each of said conditioners, and time control means for oppositely controlling the separate heat absorbing means of said auxiliary apparatus to increase the air cooling capacity of one of said conditioners and decrease the air cooling capacity of the other of said conditioners during each of said predetermined periods.

2,204,395
RAIL JOINT
Otto Balcar, Cedar Rapids, Iowa
Application July 23, 1938, Serial No. 220,907
2 Claims. (Cl. 238—218)



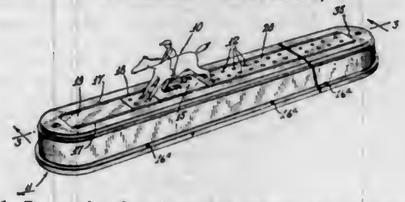
1. A rail joint including a base plate having two shoulders, joint bars having flanges extending to the edge of the rail base on each side of the abutting ends of the rails, and an auxiliary plate extending from the top surface of the head of the rail fitting against a joint bar on one side of the rail, the base plate having a shoulder at one side thereof having a lip to fit over the bottom of one joint bar and having another longitudinal undercut shoulder positioned laterally of the rails and joint bar with two openings therein, the auxiliary plate being flared at the bottom to form a wedge fit between said undercut shoulder of the base plate and the bottom vertical edge of the joint bar, said auxiliary plate being notched at two points, one of said notches being offset in relation to a corresponding opening in the undercut shoulder of the base plate.

2,204,396
MAGNETIC CLAMP
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Highland Park, Ill.
Application March 12, 1937, Serial No. 130,566
6 Claims. (Cl. 173—273)



3. A magnetic clamp for establishing a pressure contact between an electrical conductor and a magnetizable body, said clamp including a terminal block adapted to electrically engage the magnetizable body at one end only of said block, a lead secured to the other end of the block, an armature resiliently supported on the block between the ends thereof and so arranged that it will become magnetized by the flux surrounding the block when a current is passed through the block, said armature being held normally out of contact with the magnetizable body and being adapted to urge the terminal block against the body whenever a current is flowing between the terminal block and the body.

2,204,397
AMUSEMENT DEVICE
Edward L. Barrett, La Grange, Ill., assignor to Barrett Engineering Company, Chicago, Ill., a corporation of Illinois
Application July 21, 1939, Serial No. 285,763
18 Claims. (Cl. 273—86)

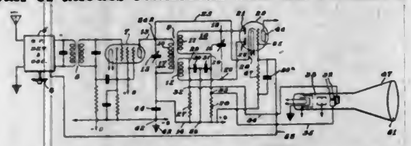


1. In a simulated racing game the combination of a movable racing figure, means including a trackway supporting said figure for movement along a predetermined path with a step-by-step motion, means continuously biasing said figure for motion along said path in one direction, releasable latch means for arresting the motion of the figure along said path after each of a series of steps of its advance along the same, said latch means presenting after each step a plurality of portions optionally engageable by the player to release the same, presettable means at each step for preventing engagement by the player of desired ones of said optionally engageable portions of said latch means, and means for hiding from view the said last named means after it has been preset.

2,204,398
TUNING INDICATOR SYSTEM FOR RADIO RECEIVING APPARATUS AND THE LIKE
George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1937, Serial No. 156,676
4 Claims. (Cl. 250—20)

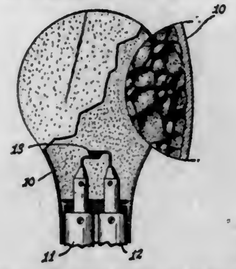
4. In a superheterodyne receiving system, the

combination with an intermediate frequency amplifier, of an interstage coupling transformer therefor having a tuned primary and a tuned secondary winding responsive to the same intermediate frequency, a pair of resistors interposed in the secondary providing a center tap therefor, a rectifier having a cathode connected through said primary winding with said center tap and having a pair of anodes connected with the terminals of



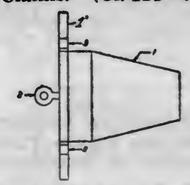
the secondary, a cathode ray indicating tube having at least one pair of beam deflecting electrodes connected with one of said windings to receive a differential controlling potential therefrom responsive to a variation in frequency of a signal, a rectifier device connected with a portion of the secondary winding and having an output resistor, and an audio frequency amplifier connected with said resistor to receive output signals therefrom

2,204,399
REFLECTING ELECTRIC LAMP
Clarence Birdseye and Pincus Deren, Gloucester, Mass., assignors, by mesne assignments, to Birdseye Electric Corporation, Gloucester, Mass., a corporation of Massachusetts
Application November 25, 1938, Serial No. 242,216
6 Claims. (Cl. 176—34)



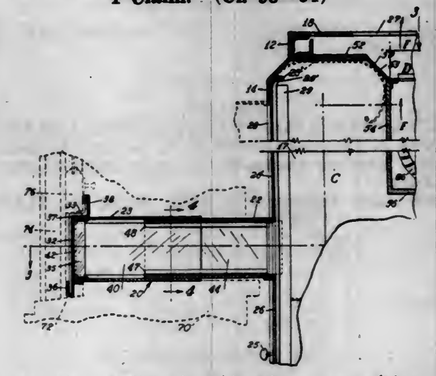
1. A reflecting electric lamp comprising a bulb having an interior surface with a shell configuration of contour, a metallic coating covering portions of said surface and presenting a roughened diffusing reflecting surface which limits and defines a shell surfaced transmitting area in the bulb, and a light source hooded within the reflecting area.

2,204,400
SCUPPER PLUG
Ernest Alexander Brooks, Baltimore, Md.
Application August 24, 1939, Serial No. 291,669
3 Claims. (Cl. 114—0.5)



1. A plug device for closing a scupper hole aboardship comprising a plug body of a size to close the hole, said body including a metallic core and a unitary lead casing integrally attached thereto and completely covering the same, a plate member secured at its mid-portion to one end of said body and extending beyond opposite sides thereof to provide arms, each of which are provided with a recess to receive clamping means whereby the plug may be held in the hole.

2,204,401
AIR CONDITIONING APPARATUS
Fred Butler, Chicago, Ill., assignor to Fred C. McClellan, Chicago, Ill.
Application June 18, 1936, Serial No. 86,020
1 Claim. (Cl. 98—94)

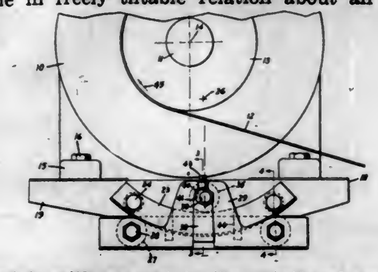


An air conditioning structure comprising: a substantially upstanding housing having an apertured wall portion and a frame substantially bordering the apertured portion thereof; an adjustable, multi-channeled duct member for said housing including a pair of telescoping duct members of rectangular shape having wide horizontally extensive top and bottom walls and relatively narrow side walls; means for adjustably supporting said duct member on said housing comprising a panel member vertically slidable in said frame on the apertured portion of the wall in said housing and having a relatively flexible portion extensible into and out of said housing, one of said duct members being attached at one end to said panel member and extended horizontally therefrom; and adjustable means carried on the movable one of said telescoping duct members for engagement with a window frame and sash structure, said means including a wing panel slidable transversely of the duct opening, spaced channel portions in the free horizontally-extensive and outermost edge parts of the said top and bottom walls of said movable duct member, said wing panel being disposed for sliding movement in said channel portions; and expansible partition means in said telescoping duct member for the provision of a plurality of channels therein.

2,204,402
DYNAMO-ELECTRIC MACHINE
Kenneth K. Cooper, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 20, 1938, Serial No. 185,884
8 Claims. (Cl. 248—23)

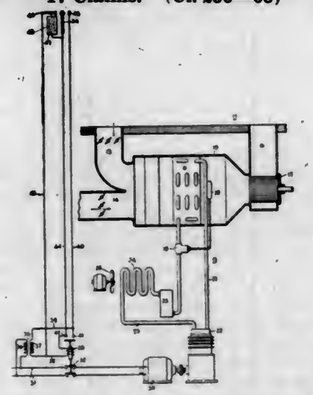
1. A dynamo-electric machine or the like including a stationary member and a rotatable member, a supporting member provided with curved tracks, a second supporting member, and means secured to one of said supporting members arranged to engage said curved track for

pivotally supporting said dynamo-electric machine in freely tiltable relation about an axis



eccentric with respect to the rotational axis of said rotatable member.

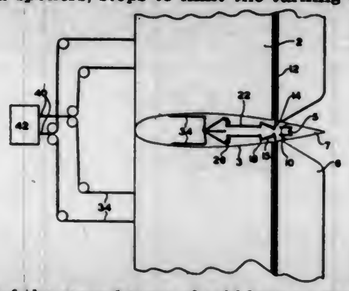
2,204,403
METHOD OF AND APPARATUS FOR COOLING
Harry R. Crago, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application February 12, 1936, Serial No. 63,529
17 Claims. (Cl. 236—68)



14. In a temperature control system, in combination, means operable for changing the temperature of a space, means including a thermostat responsive to changes in the temperature of the space for starting and stopping operation of said temperature changing means to maintain the space substantially in thermal equilibrium, and means for adjusting said thermostat to raise the space equilibrium temperature as the demand for operation of said temperature changing means increases including an electric heater having the energization thereof controlled by said thermostat in a predetermined relation with the operation of said temperature changing means.

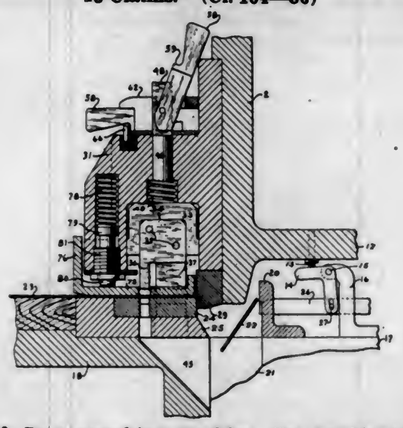
2,204,404
AIRCRAFT CONSTRUCTION
Ivan H. Driggs, Towson, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application June 13, 1939, Serial No. 278,832
2 Claims. (Cl. 244—87)

1. In an aircraft tail construction, a fixed stabilizing surface, a trim surface hinged at the trailing edge of the stabilizing surface, means carried by said stabilizing surface adjacent said trim surface for changing the velocity of airflow over said stabilizing surface, said last means comprising two spoilers hinged within said stabilizing surface for movement to positions projecting therefrom on opposite sides thereof, opposed bell crank levers, links each pivoted to one arm of one of said bell crank levers and to one of said spoilers, stops to limit the turning move-



ment of the second arms of said levers away from each other, links pivoted to the second arms of said levers converging towards a common point, a flexible control, and means connecting said links to said flexible control.

2,204,405
PUNCHING MACHINE
Wilbur B. Dunlap, Philadelphia, Pa., assignor to Dunlap Printing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 23, 1938, Serial No. 203,778
13 Claims. (Cl. 164—86)

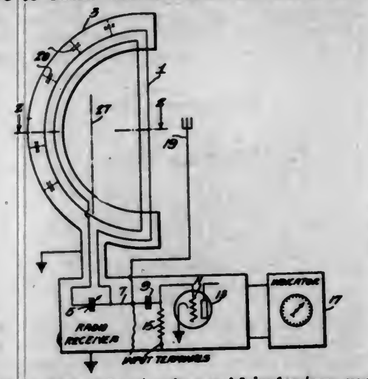


10. In a punching machine, the combination of a die head, a series of dies carried thereby and movable with respect thereto, resilient means tending to maintain said dies in extended operative position, manually actuatable levers operative to retract said dies against the tension of said resilient means, or to release said dies selectively so that they project in operative position, said levers when in lowered position and shifted in one longitudinal direction being operative to prevent the projecting dies from receding, and locking means engageable with said levers to maintain them in shifted die-securing position.

2,204,406
DIRECTIONAL ANTENNA
Warren S. Eaton, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1939, Serial No. 253,709
11 Claims. (Cl. 250—11)

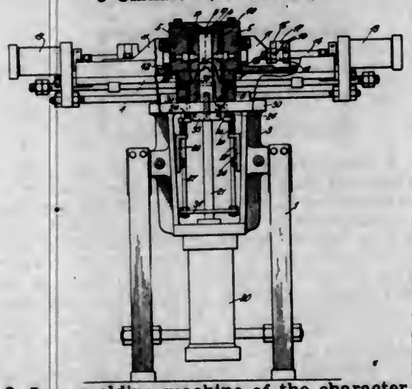
1. A directional antenna including an inductor,

means for shielding said inductor, said inductor including an unshielded portion equal to a substantial fraction of the total inductor and responsive to radio waves whose direction is to be



indicated, means for tuning said inductor, means for connecting said shield to a load circuit, and a unilateral connection from said inductor to said load circuit.

2,204,407
MOLDING MACHINE
John Flammang and Percy L. Bowser, St. Louis, Mo., assignors to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application July 20, 1936, Serial No. 91,486
5 Claims. (Cl. 22—57)



2. In a molding machine of the character described, a base, a mold thereon, a sectional core for said mold comprising center and side sections, said sections being constructed and arranged for withdrawal successively with a succeeding section moving into the space vacated by a preceding section, and means other than the parting faces of said sections, positionable in the path of movement of the succeeding section for locking said succeeding section against movement before the preceding section has cleared said space.

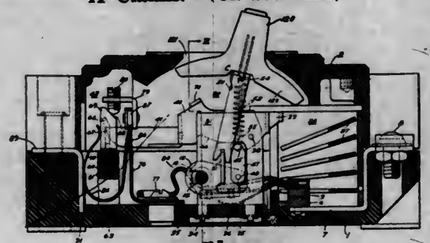
2,204,408
CONNECTOR PLUG
Elwood E. Folsom, Trumbull, Conn., assignor to General Electric Company, a corporation of New York
Application September 18, 1937, Serial No. 164,513
5 Claims. (Cl. 173—363)

3. In a socket construction for use in a connector plug, two elongated flat strips of metal having flat shank portions in engagement with each other, an opening formed in the shank portions of each strip reducing the cross-section thereof, said strips having walls forming grooves at one end of the shank portions to receive a conductor and being flared outwardly at the other end to form spaced contacts providing a socket, a weld on said wall portions connecting



the strips and conductor together, and a second weld on said flat shank portions adjacent the flared contact portions securing the strips together and placing said contact portions under tension upon insertion of a heating appliance connector into said socket; said elongated shanks of reduced cross-section dissipating the heat from said connector and preventing it from reaching the connection to said conductor.

2,204,409
CIRCUIT BREAKER
Harlan S. Gano, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 1, 1936, Serial No. 93,807
41 Claims. (Cl. 200—116)



1. In a circuit breaker, a movable contact member having opposed inclined surfaces, an actuating member cooperatively engaging said inclined surfaces, a support member also having an inclined surface, and yielding means for maintaining said actuating member in engagement with said inclined surface on said support, said yielding means being operable between predetermined positions to operate said contact member to open and closed positions.

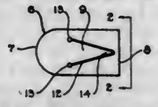
2,204,410
SHOE WITH A DEVICE FOR PREVENTING AND TREATING FLAT-FOOTEDNESS
Hugo Ganzer, Berlin, Germany
Application April 10, 1939, Serial No. 267,027
In Germany April 7, 1938
7 Claims. (Cl. 36—71)



1. A shoe for preventing and treating flat footedness comprising a heel, an adjustable de-

vice running diagonally forwards and inwards from the back outer surface of the heel, a supporting element also directed diagonally forwards and inwards operated by said adjusting device, and an insole on the inside of the shoe under the tarsus of the foot, raised by said supporting device in such a manner that the insole slopes outwards and backwards.

2,204,411
CURTAIN ROD DEVICE
Joseph R. Guildford, Regina, Saskatchewan, Canada
Application March 14, 1939, Serial No. 261,748
3 Claims. (Cl. 223—105)



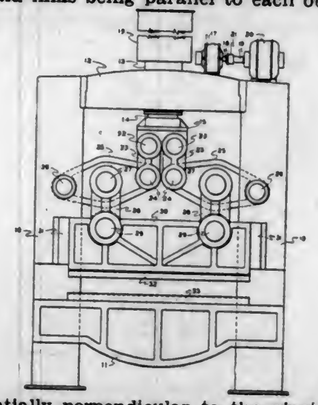
1. A curtain rod device comprising a casing for encasing the end of a curtain rod, said device being provided with an integral resilient portion for clamping said device to said curtain rod, said casing being closed at one end and open at its opposite end and provided with comparatively flat front and rear walls, said open end provided for the insertion of said rod, said integral resilient portion formed tongue-like by perforating one of the said flat walls intermediate of the open and closed ends of said casing and normally retained in alignment with said perforated wall while in a state of inertia, the remaining flat wall of the casing forming an abutment limiting the movement of the end of said resilient portion as it is moved inwardly of the casing, said resilient portion having its free end extending in the direction of said open end of the casing and adapted to clamp the wall of said rod between said resilient portion and the perforated wall of said casing.

2,204,412
WELD ROD
Josef Hinnüber, Essen, Germany, assignor to General Electric Company, a corporation of New York
No Drawing. Application April 15, 1938, Serial No. 202,275. In Germany August 4, 1937
7 Claims. (Cl. 219—8)

1. A sintered weld rod adapted to be applied to the cutting edge of a drill bit, said rod being made of 27 parts powdered iron, 16 parts ferrochrome, 3.2 parts powdered ferromanganese, 1.5 parts powdered ferrosilicon, 2.3 parts powdered carbon and 50 parts of fine powdered presintered "hard metal," said "hard metal" consisting principally of tungsten carbide.

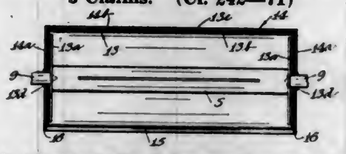
2,204,413
HYDROMECHANICAL PRESS
Leslie S. Hubbert, Edison, Ohio, assignor to The Hydraulic Press Corp. Inc., Wilmington, Del., a corporation of Delaware
Application July 26, 1937, Serial No. 155,604
2 Claims. (Cl. 100—70)

1. In combination in a press, a frame, a cylinder mounted thereon, a piston in said cylinder, a crosshead on said piston, a platen reciprocable relatively to said frame, a pair of inwardly directed levers having their outer ends pivotally mounted on said frame, a first link pivotally connecting the inner end of each lever to said crosshead, and a second link pivotally connecting an intermediate pivot in each lever with a pivot on said platen, the inner, outer and intermediate pivots on each lever being disposed in a straight line, said links being parallel to each other and



substantially perpendicular to the pivot line of said levers in one position of said platen, whereby to transmit the maximum thrusts from said crosshead to said platen and to minimize the production of oblique thrusts.

2,204,414
CONTAINER FOR FILM ROLLS
Mark M. Hurd, Minneapolis, Minn.
Application January 23, 1939, Serial No. 252,384
3 Claims. (Cl. 242—71)

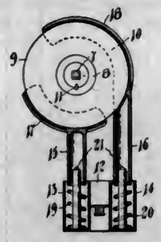


1. A substantially light-proof container for a conventional photographic film spool having the usual apertures in the ends thereof for receiving the spool-carrying spindles of a camera comprising, a pair of partial cylindrical shells associated in overlapping and telescopically rotative relation with each other to form, when in one rotated relative position a cylindrical container for closely containing a film spool, said shells being rotatable relative to each other to a position affording a gap therebetween through which a film spool may be placed in or removed from said container, end walls on respective ends of each of said shells, and a pair of bosses formed centrally on the respective end walls of one of said shells and projecting toward the corresponding end walls of the other of said shells, said corresponding walls having apertures therein wherein said bosses are journalled and said bossed walls and bosses being centrally apertured to afford access of the spool carrying spindles of a camera to the spindle receiving apertures of a spool contained within said container.

2,204,415
SHOCK ABSORBER
Curtis Daniel Johnston, Black River, Jamaica
Application August 1, 1938, Serial No. 222,401
4 Claims. (Cl. 267—31)

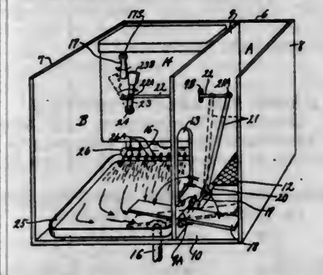
1. For use with a vehicle having an axle and a body resiliently mounted on the axle, a shock absorber comprising a support adapted to be

mounted on to the body; a support adapted to be mounted on the axle, one of said supports having pneumatic cushioning means mounted thereon; a pair of compressor members, a spring connecting each of said compressor members to said support, one of said springs being under tension and the other under compression, the com-



pressor members to which the compression spring is connected engaging the adjacent side of the cushioning means to resist movement of the supports towards one another, and the compressor member to which the tension spring is connected engaging the remote side of the cushioning means to resist movement of said supports away from one another.

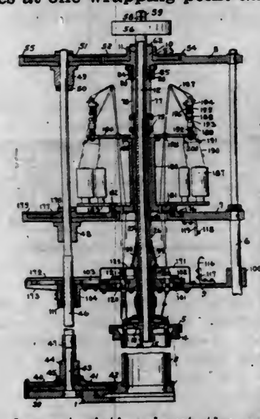
2,204,416
ANIMAL TOILET
Sheridan H. Kramer, St. Paul, Minn.
Application April 13, 1939, Serial No. 267,737
2 Claims. (Cl. 119—15)



1. An animal toilet comprising a box with a removable lid, a partition in said box providing adjoining chambers, one a bed chamber and the other a toilet chamber, a fixed tray in the latter chamber and water outlet means therefrom, a flushing tank in said chamber and valve means to release water therefrom to flush the tray, said partition provided with a passageway, a tilter board under said passageway and arranged to be tilted by the weight of an animal in passing from one chamber to the other, and means operable by the movement of said board in a predetermined direction to actuate said valve means and release a quantity of water directed onto said tray.

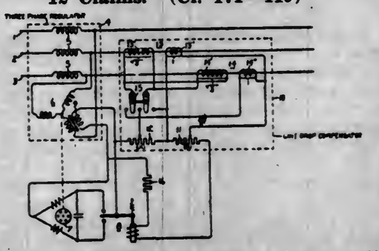
2,204,417
AUTOMATIC WRAP STRIPE KNITTING MACHINE
Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application October 13, 1937, Serial No. 168,766
23 Claims. (Cl. 66—25)

1. In a knitting machine, the combination of a cylinder and dial, needles in said cylinder and dial, said cylinder having twice as many needles as the dial, means for imparting stitch drawing movements to the needles whereupon rib fabric may be knitted at times and at other times, certain cylinder needles only may be controlled for knitting plain fabric, means for transferring stitches from the dial needles to certain of the cylinder needles and means for wrapping pattern threads about selected needles including wrap thread guiding devices, said devices being constructed to wrap threads of one characteristic about needles at one wrapping point and threads



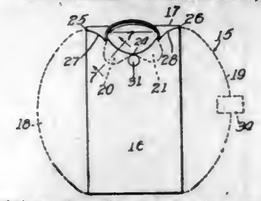
of another characteristic about the same group of needles at a second wrapping point, and selecting means for said needles adapted to select them at the first wrapping point, to return them to non-selected position after being wrapped at the first point, and then for imparting a separate and distinct selecting movement to any of the needles desired at a second wrapping point whereupon said needles may have a thread of either characteristic wrapped thereabout as desired.

2,204,418
LINE DROP COMPENSATOR
Thomas C. Lennox and Salvatore Minneci, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application September 26, 1939, Serial No. 296,602
12 Claims. (Cl. 171—119)



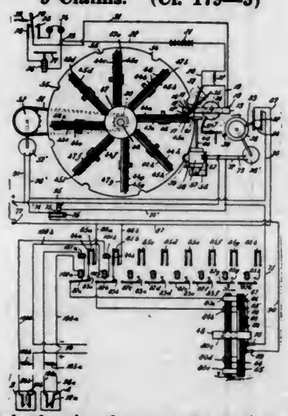
1. In a line drop compensator for a voltage regulator for a three-phase circuit, a pair of similar type impedance elements serially connected in a circuit for measuring the voltage to neutral of one of the conductors of said circuit, means energized by the currents in the other two conductors of said three-phase circuit for passing through one of said impedances a current which is in phase with said voltage, and means energized by the currents in said other two conductors for passing through the other of said impedances a current which is in quadrature with said voltage.

2,204,419
SHIRT AND COLLAR PROTECTOR
Stephen Lighter, Chicago, Ill.
Application August 5, 1935, Serial No. 34,749
11 Claims. (Cl. 229—87)



1. A shirt and collar protector, said protector having a main body portion, said body portion having two parabolic tabs extending from the top portion of said body portion, said tabs being separated by a single slit, said slit commencing at the top of the body portion and extending downwardly into said body portion on the central line thereof.

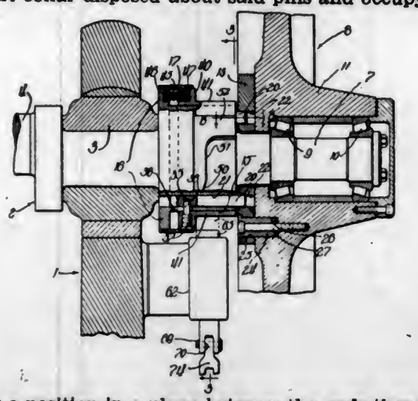
2,204,420
ALARM SYSTEM
Richard D. Lightfoot, Great Neck, N. Y., assignor to Signaphone Corporation of America, New York, N. Y., a corporation of Delaware
Application July 11, 1939, Serial No. 283,839
9 Claims. (Cl. 179—5)



1. A telephonic alarm system for a plurality of areas to be protected which comprises a phonograph pick-up common to all of the areas, a central receiving station, a transmission line between the pick-up and the receiving station, a phonograph record for each area operable on the pick-up to send a telephonic alarm message over said line indicating the location of the area, a selector common to all of the areas and operable from each area to select a record for operating on the pick-up, impulsing contacts near the pick-up, actuating means, one for each record, for causing the contacts to open and close in a predetermined sequence, and a recording device connected to the impulsing contacts for recording the impulses initiated by each actuating means to identify its corresponding record.

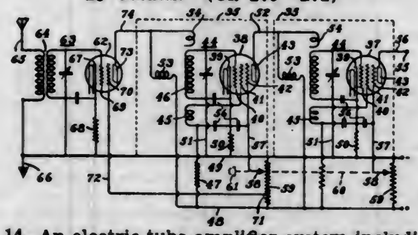
2,204,421
CLUTCH FOR PUNCH PRESSES
James E. Loshbough, Elkhart, Ind.
Application January 22, 1938, Serial No. 186,286
17 Claims. (Cl. 192—25)

1. In a press, a frame, a crank shaft journaled for rotation therein and extending therefrom at one end, means on the crank shaft providing a peripheral series of axially extending through holes, a flywheel journaled for rotation on the extended end of the crank shaft, a plurality of pins carried for axial sliding movement in said through holes between the frame and the flywheel and shiftable into engagement with the latter for connecting the flywheel to the crank shaft, a shift collar disposed about said pins and occupy-



ing a position in a plane between the ends thereof so as to reduce the overhang required between said frame and said flywheel, there being slots in the crank shaft radially outwardly of said through holes, and means also between the ends of the pins and including parts extending radially inwardly through said slots to connect said collar with said pins for sliding all of them toward and away from said flywheel.

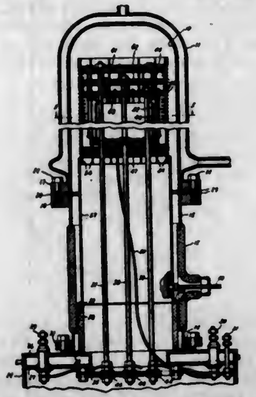
2,204,422
RADIO SIGNALING SYSTEM
Arthur V. Loughren, Moorestown, and Jerome C. Smith, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 30, 1933, Serial No. 678,406
16 Claims. (Cl. 179—171)



14. An electric tube amplifier system including in combination, a signal input grid circuit, a regenerative feed-back circuit coupled to said input circuit, a suppressor grid circuit, and means for supplying a variable controlling potential to said suppressor grid circuit.

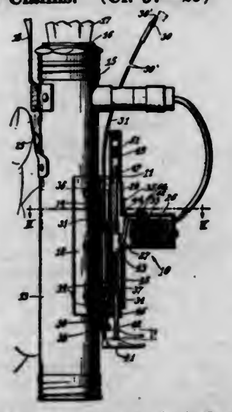
2,204,423
DISCHARGE DEVICE
Elmer D. McArthur, Schenectady, N. Y., and Hobart E. Rowe, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Original application March 31, 1937, Serial No. 134,046. Divided and this application June 30, 1938, Serial No. 216,734
2 Claims. (Cl. 250—27.5)

1. A vacuum discharge device including an evacuated envelope, a cathode within said envelope comprising electron emissive elements arranged to form a hollow structure, an anode surrounding the cathode, the diameter of said structure being substantially greater than the length of the normal path from the cathode to the an-



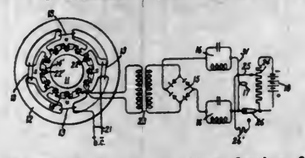
ode, and a generally cylindrical conducting member within the structure for substantially preventing ionization therein, said conducting member being electrically connected to the cathode and being spaced from said elements a distance substantially less than the length of the normal path from the cathode to the anode.

2,204,424
PHOTOFLASH SYNCHRONIZER
Samuel Mendelsohn, Brooklyn, N. Y.
Application September 21, 1936, Serial No. 101,782
8 Claims. (Cl. 67—29)



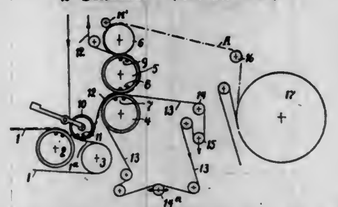
1. A device for operating a photoflash lamp and a camera shutter simultaneously, comprising a shutter actuating member, means for storing potential energy upon a movement of said member, a solenoid having an armature arranged to constitute a trigger member for holding said shutter actuating member ready for actuation, means for adjusting said trigger member for varying the time factor of operation of said device, means for supporting a photoflash lamp, a solenoid circuit, a photoflash lamp circuit in parallel with said solenoid circuit, and means for causing a flow of electrical energy through said circuits to flash said lamp and move said trigger within a predetermined time period following initial flow of energy in said circuits to release said shutter actuating member at substantially the peak of the flash.

2,204,425
VIBRATION INDICATOR
Alfred V. Mershon, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 2, 1937, Serial No. 118,893
8 Claims. (Cl. 73—51)



1. An eccentricity-responsive device for rotating shafts tending to vibrate transversely at a given frequency of vibration, said device comprising in combination with such a shaft, a magnetic detector unit having relatively movable magnetic core elements with an air gap between them, one of said elements being toothed, one of said elements rotating with said shaft, a current-conducting winding in inductive relation to said magnetic core elements, means for magnetizing said magnetic core elements, an instrument responsive to alternating current of the frequency at which the shaft tends to vibrate, said instrument being in electroresponsive relation to said winding, and means in circuit with said instrument for eliminating a direct current component of current.

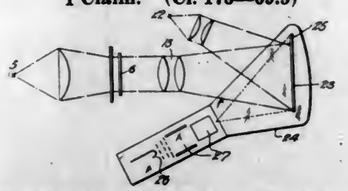
2,204,426
PAPERMAKING MACHINE
William Hulse Millspaugh, Sandusky, Ohio, assignor to Sandusky Foundry and Machine Co., Sandusky, Ohio, a corporation of Ohio
Application June 19, 1936, Serial No. 86,167
In Great Britain June 21, 1935
2 Claims. (Cl. 92—49)



2. A papermaking machine of the character described comprising a making wire, a transfer felt engaging said wire and a suction transfer roll arranged over a run of said felt for transferring a fibrous web from an end portion of the making wire to the lower side of said felt, and a suction press independent of said suction transfer roll and located at a distance forwardly from the making wire and receiving said transfer felt and web, a press felt extending partly around at least one of the suction rolls of the suction press and cooperating with said transfer felt to carry the web therebetween through the first bite of the suction press, said suction press comprising a lower suction roll having an upper suction box for downward withdrawal of water from the felts and the web, a cooperating upper suction roll having a lower suction box and having therein a second suction box at the top thereof for downward withdrawal of water from the transfer felt

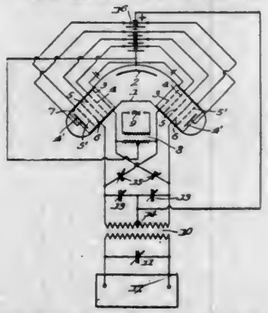
and the web, and a smooth surfaced pressure roll cooperating with the top of said upper suction roll and directly engaging the wire side of the web.

2,204,427
SYNCHRONIZING METHOD
Rolf Möller, Zehlendorf, near Berlin, Germany, assignor to the firm of Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany
Application April 2, 1936, Serial No. 72,393
In Germany April 10, 1935
1 Claim. (Cl. 178—69.5)



In a television transmitter utilizing a cathode ray scanning tube containing a mosaic of photo-emissive cells upon which the optical image is directed, the method of producing a synchronizing pulse which comprises directing in addition to said optical image an unmodulated light beam uniformly over all of said screen except one edge thereof scanning said mosaic with a cathode ray beam of elemental cross-section, and utilizing the difference in signal strength occurring when the edge portion of said mosaic not under illumination by said unmodulated light beam is scanned at this point by said beam to produce said synchronizing pulse.

2,204,428
ELECTRON MULTIPLIER
Rolf Möller, Berlin-Zehlendorf, and Fritz Below, Klein Machnow Post Berlin-Zehlendorf, Germany, assignors to the firm of Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany
Application December 4, 1936, Serial No. 114,286
In Germany January 31, 1936
4 Claims. (Cl. 250—27)



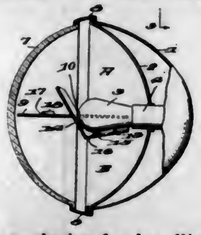
1. In combination, an electron discharge device comprising an envelope having therein a source of electrons, an anode, a control electrode disposed between said cathode and said anode and arranged to receive high-frequency potentials, secondary electron emissive electrodes positioned substantially to enclose said anode to electrostatically shield said anode from said control electrode, at least two of said secondary electron emissive electrodes being disposed between the anode and control electrode, means for energizing said anode to a potential positive with respect to said source of electrons, and means for energizing said secondary electron emissive electrodes to positive potentials having values intermediate that existing between said source of electrons and said anode.

2,204,429
ANTIGLARE DEVICE FOR HEADLIGHTS
Carroll H. Montague, Richmond, Va.
Application February 10, 1939, Serial No. 255,770
6 Claims. (Cl. 240—48.4)



1. An antiglare device for headlights comprising a vertically disposed disc-like shield, the rear edge of said shield being cut out to accommodate the main bulb of a headlight, a hood having an imperforate front wall covering said cut-out portion on one side of said shield, screening openings in the sidewall of said hood, screening openings in said shield, means adjacent said openings for intercepting direct light rays from one side of the shield, and means for supporting said shield in a headlight casing so as to divide the latter axially into two light zones.

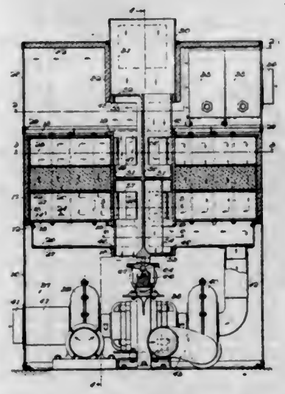
2,204,430
ANTIGLARE DEVICE FOR HEADLIGHTS
Carroll H. Montague, Richmond, Va.
Application September 5, 1939, Serial No. 293,497
3 Claims. (Cl. 240—48.4)



1. An antiglare device for headlights comprising a disc-like shield, the rear edge of said shield being cut out to accommodate the main bulb of a headlight, a hood covering said cut-out portion on one side of said shield, an auxiliary shield at the forward end of said hood projecting angularly through said first named shield across the front of said bulb, screening openings in said hood and disc-like shield, means adjacent said openings for intercepting direct light rays from one side of said disc-like shield, and means for vertically supporting said disc-like shield in a headlight casing so as to divide the latter axially into two light zones.

2,204,431
ADSORPTION APPARATUS AND METHOD
William E. Moore, Pittsburgh, and George L. Simpson, Coraopolis, Pa., assignors to Pittsburgh Research Corporation, Pittsburgh, Pa.
Application February 14, 1936, Serial No. 63,966
10 Claims. (Cl. 183—4)

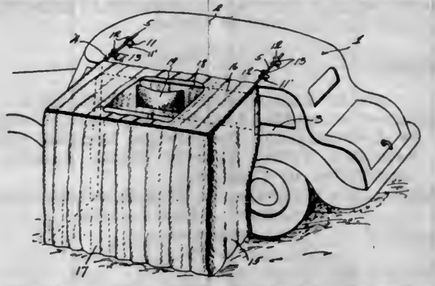
1. In an adsorbent apparatus, a casing, an adsorbent unit arranged in said casing and comprising a plurality of adsorbent beds, said casing having a lower plenum chamber below the adsorbent unit and an upper plenum chamber above the adsorbent unit, a valve casing in said unit in communication with each of the adsorbent beds, said valve casing being in communication with both plenum chambers, a reactivating fluid inlet conduit in communication with the valve casing and out of communication with the plenum chambers, a reactivating fluid outlet conduit connecting the valve casing with the exterior of the casing and being out of communication with the plenum chambers, a valve in said valve casing having an adsorbing duct connecting the plenum chambers through a plurality of the adsorbent beds, said valve having a reactivating duct connecting the reactivating fluid inlet conduit with the reactivating fluid outlet conduit through other of said adsorbent beds, means to pass fluid through the adsorbing valve duct, means to pass a reactivating fluid through the reactivating valve duct, and means to operate said valve to successively add adsorbent beds to the adsorbent phase of operation while dropping other adsorbent beds therefrom, and to add adsorbent beds to the reactivating phase of operation while dropping other adsorbent beds therefrom.



7. In an adsorbent apparatus having a plurality of stationary beds of adsorbent material disposed about a substantially central duct and communicating therewith, there being a rotatable valve mechanism in said duct, the method of adsorbing and reactivating which comprises forcing a fluid to be treated under pressure through said duct and valve mechanism, and drawing a stream of reactivating fluid by suction through said duct and valve mechanism, whereby any leakage of fluid will be from the fluid to be treated to the stream of reactivating fluid.

2,204,432
AUTOMOBILE TENT
Dolores Morgadanes, New Orleans, La.
Application October 31, 1939, Serial No. 302,236
8 Claims. (Cl. 135—7.1)

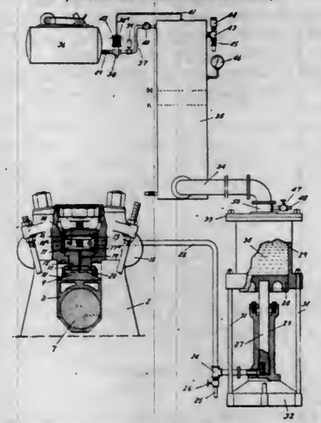
1. A folding tent supporting structure for attachment to a motor vehicle body, comprising a roof frame defining three sides of a rectangle, means carried by the two opposite sides of the frame adjacent the ends thereof remote from the third side, for securing the said sides at at least two points to the roof of a vehicle whereby the major portion of the frame will extend outwardly from the vehicle for supporting a tent covering.



2,204,433
DETERGENT
Fred Weaver Muncie, New Brunswick, N. J., and Kenneth L. Russell, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application January 18, 1938, Serial No. 185,622
13 Claims. (Cl. 260—400)

1. As a new composition of matter, a chemical compound consisting of beta methyl glycerine, one hydroxy group of which has been esterified by a long-chain fatty acid and another hydroxy group of which has been replaced by a sulphonate radical.

2,204,434
ROLLING MILL
Joseph J. Munson, Houma, La.
Application July 16, 1937, Serial No. 154,058
8 Claims. (Cl. 100—47)



8. In a mill for rolling sugar cane and like materials requiring extremely high pressures and having a floating bearing, the combination of a hydraulic press having a plunger for applying pressure to said floating bearing, of a pressure accumulator, having a cylinder containing a liquid body and a volume of gas, a piston for moving said liquid body and having a larger area than said plunger whereby to transmit the movement of said bearing to said accumulator with multiplied effect, and means to maintain the pressure of said gas up to a predetermined minimum, and means associated with said pressure-

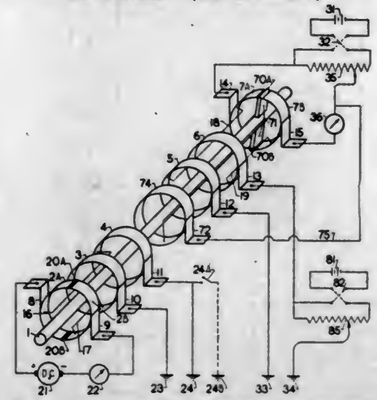
maintaining means to vary the volume of liquid in said accumulator whereby the rate of pressure increase and decrease in response to movement of said bearing may be varied.

2,204,435
ANIMATED DISPLAY APPARATUS
Georges Musaphia, Los Angeles, Calif., assignor to Animatagraph Corporation Limited, Charlottetown, Prince Edward Island, Canada, a corporation of Canada
Application September 12, 1938, Serial No. 229,539
10 Claims. (Cl. 40—132)



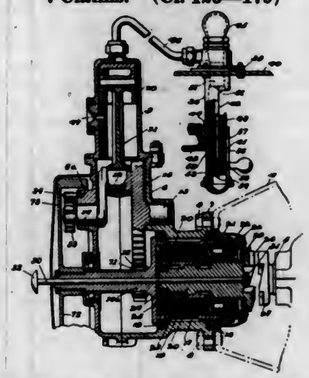
1. An apparatus for creating animated effects including a source of light, means for moving said source of light in a fixed path, a light penetrable carrier arranged so that rays from said light will pass therethru, a translucent figure supported by said carrier between the carrier and the source of light, and means for moving the carrier and figure thereon while light rays from said source of light are directed thereon.

2,204,436
COMMUTATION SYSTEM
David Saville Muzzey, Jr., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application February 5, 1938, Serial No. 188,954
12 Claims. (Cl. 175—182)



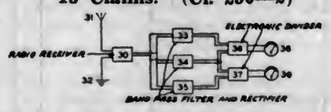
1. In a commutation system comprising two electrical circuits, a source of direct current in the first circuit, means for periodically reversing the direction of the current flow in the first circuit, means for interrupting said flow at each reversal, an indicating device in the second circuit, means for reversing the polarity of the second circuit in synchronism with the current reversals of the first circuit, and means for short-circuiting the indicating device in synchronism with the interruptions of the current flow in the first circuit.

2,204,437
ENGINE STARTING MECHANISM
Romeo M. Nardone, East Orange, N. J., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application February 16, 1937, Serial No. 126,064. Divided and this application August 25, 1937, Serial No. 160,927
7 Claims. (Cl. 123—179)



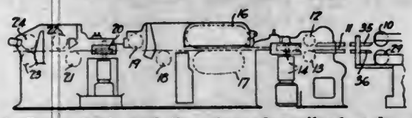
1. In a starter for an internal combustion engine, the combination with a driving barrel of a longitudinally movable engine engaging clutch, disposed within said barrel, means including a clutch retracting rod extending through said barrel for withdrawing said clutch from engine engaging position, and barrel driven means independent of and distinct from said rod for moving said clutch to engine engaging position, a flywheel rotatable with said barrel, said barrel having a rearward extension connecting with said flywheel, a prime mover including a pinion surrounding said rearward extension, and an overrunning clutch drivably connecting said pinion with said rearward extension, to transmit torque to said barrel and simultaneously store reserve energy in said flywheel.

2,204,438
POSITION DETERMINING SYSTEM AND METHOD
Jacob Neufeld, Tulsa, Okla.
Application June 12, 1937, Serial No. 147,995
13 Claims. (Cl. 250—2)



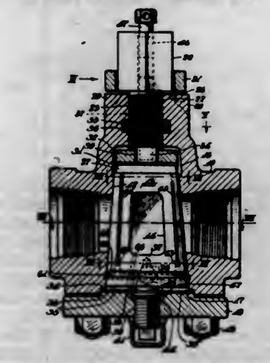
1. In an arrangement for determining position of a craft in a certain geographical area, at least three radio transmitting stations arranged at different geographical locations in said area, each of the said stations transmitting a distinguished signal of determined character, an apparatus on the said craft comprising means responsive to the said signals and producing electric currents upon the reception of the said signals, the said electric currents having distinguished characters related to the characters of the said signals, means for receiving the said currents and for producing other electrical currents, each of the said other electrical currents indicating the relative magnitudes of at least two of the first said electrical currents, the said relative magnitudes representing positional coordinates of the craft, and a navigational map on the said craft, the said navigational map being provided with the said coordinates for indicating the position of the said craft.

2,204,439
MECHANISM FOR MACHINE FINISHED MATCHING OR EDGE JOINTING LUMBER FOR STOCK OF NONUNIFORM WIDTH
Frederick A. Nicholson and Wilmot T. Pritchard, Seattle, Wash., assignors to Stetson-Ross Machine Company, Seattle, Wash., a corporation of Washington
Application December 21, 1936, Serial No. 116,965
14 Claims. (Cl. 144—114)



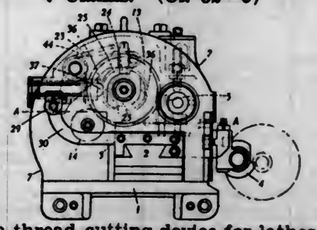
1. In a device of the class described, a lumber feeding table provided with a fixed lower lumber feeding means and a resiliently supported upper lumber feeding means positioned in operative vertical spaced relation to the lower lumber feeding means; a feeding device positioned in longitudinal spaced relation to said feeding table and provided with a fixed upper lumber feeding means and a resilient lower lumber feeding means positioned in operative vertical spaced relation to the upper lumber feeding means; and transfer means adapted to transfer travelling lumber from said feeding table to said feeding device, said transfer means comprising a longitudinally disposed upper plate resiliently supported at each end portion and a lower longitudinally disposed plate positioned in operative vertical spaced relation to the upper plate, said lower plate being pivotally supported at the feeding table end portion and resiliently supported at the said feeding device end portion.

2,204,440
VALVE
Sven J. Nordstrom, Lafayette, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware
Application March 16, 1939, Serial No. 262,299
8 Claims. (Cl. 251—103)



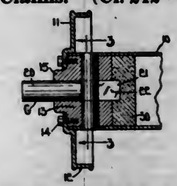
1. In a valve, a valve casing having a passageway therethrough, a valve member in said casing for controlling flow through said passageway, a separate operating stem for said valve member passing through said casing having a laterally extending sealing surface interfitting with a complementary sealing surface on the casing, means for supplying lubricant between said surfaces, and a secondary seal of packing material about said stem forming part of said complementary seating surface on the casing to prevent outward escape of lubricant from between said surfaces.

2,204,441
THREAD-CUTTING DEVICE FOR LATHES
William Ogilvie, Knowle, England, assignor to B. S. A. Tools Limited, Birmingham, England, a British company
Application April 22, 1939, Serial No. 269,516
In Great Britain May 3, 1938
7 Claims. (Cl. 82—5)



1. In a thread-cutting device for lathes wherein the longitudinal feed traverse of the cutter is effected by means of a lead screw, the provision of means for effecting the transverse and longitudinal return movement of the cutter to its initial operative position, comprising a constantly driven clutch shaft geared to the lead screw, a sleeve rotatably mounted on said clutch shaft and geared to an intermittently rotatable cam shaft, a slidable clutch member on the clutch shaft actuated by the longitudinally movable slide when the cutter reaches the end of its feed traverse, a cam track on said cam shaft operating through a pivoted lever arranged to impart a transverse movement to the compound slide, a cam face on said cam shaft arranged to engage with a peg or roller on the longitudinally movable member of the compound slide whereby the cutter is returned to the commencement of its feed traverse, and means whereby the clutch is disengaged and rotation of the cam shaft arrested to permit of a succeeding forward feed movement of the cutter.

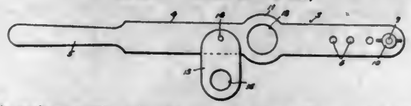
2,204,442
WARP BEAM
Joseph M. Patrick, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 6, 1938, Serial No. 212,092
2 Claims. (Cl. 242—118)



1. In a warp beam having a metallic tubular barrel provided with perforations adjacent one end thereof, a gudgeon projecting from one end of the barrel, a rod fitted into the perforations and extending across the interior of the barrel, said gudgeon and rod having mutually engaging

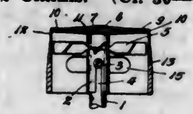
flattened surfaces, and a block of cast metal engaging the interior surface of the barrel and surrounding the gudgeon and the rod and closing said end of the barrel, the rod tending to prevent movement of the block of cast metal relatively to the barrel, and said rod and block of cast metal holding the gudgeon in fixed position with respect to the barrel.

2,204,443
VALVE SPRING TOOL
Ben H. Peak, Simi, Calif., assignor of one-third to Dohrman McCoy, Simi, Calif.
Application October 6, 1938, Serial No. 233,638
1 Claim. (Cl. 29—86.3)



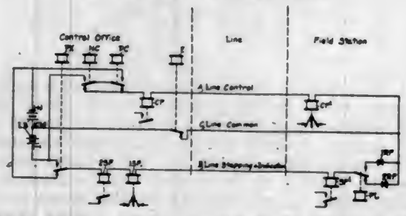
A valve spring tool comprising a longitudinally elongated lever in the form of a plate flat and straight from end to end, one end of said plate being fashioned to provide a handle, the opposite end of the plate being provided with a series of selectively usable longitudinally spaced and aligned bolt holes, an anchoring unit adapted to be permanently carried by said lever and comprising a chain to be attached to the motor block, an eye bolt carried by the chain and a thumb nut for said eye bolt, said eye bolt being selectively connectable with said bolt holes, the intermediate portion of the lever being formed with a hole of a predetermined diameter for passage of a valve stem, the marginal edge portion of said hole constituting an end thrust shoulder and being adapted to engage and press against a coiled spring for compressing the latter to facilitate insertion and removal of a cotter key, and an optionally usable auxiliary spring thrust plate hingedly attached at one end to the lever at a point adjacent said valve stem hole, said auxiliary plate being adapted to swing into superimposed relation with respect to the first named plate and having on its free end an additional valve stem hole of a diameter less than said first named valve stem hole, whereby to register with the latter to provide a second spring thrust shoulder.

2,204,444
ELECTRIC RAZOR
William A. Phelps, Dayton, Ohio
Application April 2, 1938, Serial No. 199,694
2 Claims. (Cl. 30—43)



1. In a motor driven razor construction, in combination, a handle, a motor driven shaft carried by said handle, and detachable cutting means, comprising a cutter head of hood-like formation detachably secured to said handle, said cutter head including a guard portion and a depending skirt portion having an opening therein, a member detachably associated with said shaft and axially slidable respecting the same to different positions for adjustment of said member relative to the guard portion of said head, means for maintaining said member in fixed relation to said shaft upon axial adjustment of said member, a rotary cutting member detachably secured to said first member in fixed relation thereto and co-acting with the guard portion of said head, and a suction fan member carried by said first member for drawing off hairs severed by the cutting member, said fan being located within the skirt portion of said head adjacent the aforesaid opening therein, whereby the hairs drawn off by said fan will be exhausted from said head through said opening.

2,204,445
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application May 16, 1936, Serial No. 80,095, now Patent No. 2,169,480, dated August 15, 1939. Divided and this application December 15, 1937, Serial No. 179,982
10 Claims. (Cl. 177—353)



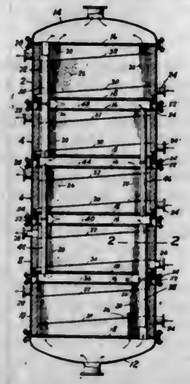
1. In a remote control system, a control office and a field station connected by a line circuit, impulsing means at said office for applying a series of current impulses to said line circuit, means in said office for attempting to mark each of said impulses with one polarity, a first rectifier at said station for preventing said office from marking an impulse with said one polarity, means in said office responsive to its failure to mark an impulse with said one polarity for marking said impulse with another polarity, a second rectifier at said station for permitting said office to mark said impulse with said one polarity, and means responsive to the polarity with which said impulse is marked for transmitting a code message from said station to said office.

2,204,446
DISPLAY RACK
Harry C. Robinson, Chattanooga, Tenn.
Application October 1, 1938, Serial No. 232,855
7 Claims. (Cl. 211—71)



1. A wire rack for supporting merchandise and the like comprising a main supporting frame formed of rod or bar stock having a substantially rectangular shape, opposite ends of the frame thus provided being turned downwardly to provide legs for the rack with the elevated-portion of the frame therebetween constituting a platform frame portion, a series of cross wires or rods connected to the underside of the platform frame portion, thereby providing a floor for the platform, and a series of partition rods connected in spaced relation across the top of the frame member thereby partitioning off said floor.

2,204,447
HEAT EXCHANGE APPARATUS
Walter Samans, Philadelphia, Pa., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application July 16, 1938, Serial No. 219,567
6 Claims. (Cl. 257—224)



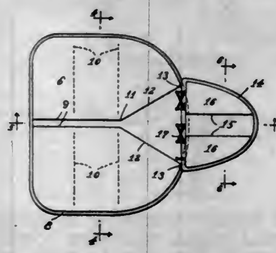
3. Heat exchange apparatus comprising a series of alternate distributing and gathering chambers, a group of heat exchange tubes connecting each pair of adjacent chambers, an enclosure surrounding each group of heat exchange tubes, means providing for the entrance of fluid into each of said enclosures and exit of fluid from each of said enclosures whereby the fluid may pass about said tubes, means extending through the said enclosures connecting successive distributing chambers, and means providing for the exit of fluid from the gathering chambers, so that a second fluid provided for heat interchange with the first mentioned fluid may flow from each distributing chamber into the adjacent gathering chambers through groups of said heat exchange tubes, and additionally to the next distributing chamber.

2,204,448
CONTAINER VENTING MEANS
Carl J. Schmid, New York, N. Y., assignor to Julius Schmid, Inc., New York, N. Y., a corporation of New York
Application April 30, 1938, Serial No. 205,312
3 Claims. (Cl. 215—31)



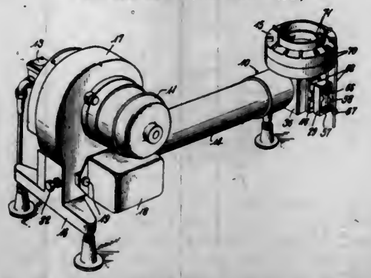
1. A device of the class described comprising a container having a neck portion, a rigid rib of a relatively narrow gauge formed upon the outer face of the neck portion and having irregularly shaped side edges providing laterally extending protruding portions and alternate intermediate valley portions, the container neck being adapted to support an elastic nipple in a manner whereby the rib will fit between the elastic nipple and the neck of the bottle to form air vent passages upon opposite sides of the rib of material length and of circuitous formation, and whereby the elastic characteristics of the nipple will cause the nipple to snugly fit around and follow the course of the rib, the elastic nipple being adapted to span the valley portions to define enlarged pockets and snugly fit around the protruding portions to provide a plurality of restricted portions constituting spaced valve-like portions within the length of the rib and thereby retard back-flow of liquid out through the air vent passages.

2,204,449
SEAT CUSHION
Joseph P. Gordon, Rockford, Ill.
Application June 17, 1938, Serial No. 214,199
7 Claims. (Cl. 155—182)



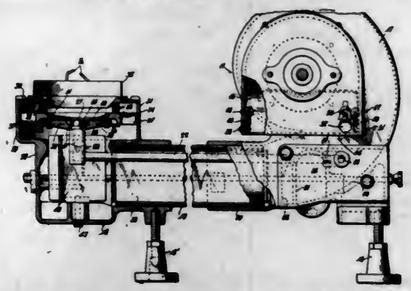
5. As an article of manufacture, a cushion corresponding in size and shape with the seat of an ordinary chair, padded substantially uniformly throughout its area except for a relief area extending centrally from front to back, the relief area being uniformly narrow through the front portion to a medial joint from which it widens substantially at the rear portion, and an auxiliary cushion pad of substantially the same shape and size as the widened portion of the relief area hinged to the rear portion of the seat cushion, padded at its side portions and having a relief area on its rear face extending centrally from front to back adapted to register with the relief area of the seat cushion when the pad is folded against said seat cushion.

2,204,450
IGNITION MEANS FOR OIL BURNERS
Reinhold D. Schoenwetter, Clarendon, Va., assignor to Swirling Heat, Inc., a corporation of Delaware
Application October 5, 1936, Serial No. 104,068
14 Claims. (Cl. 158—28)



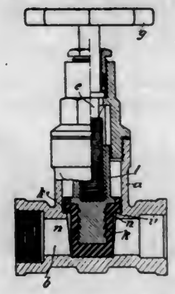
1. In an oil burner the combination of a burner head having an upper opening and a side opening, means for supplying fuel to said head, means for supporting said igniting means in a position adjacent said upper opening, said supporting means being movable and positioned in said side opening, and means for adjusting the position of said igniting means with respect to said upper opening, said means extending from a point inside said burner head adjacent said supporting means to a point outside the oil burner.

2,204,451
OIL BURNER
Reinhold D. Schoenwetter, Clarendon, Va., assignor to Swirling Heat, Inc., a corporation of Delaware
Application October 5, 1936, Serial No. 104,069
6 Claims. (Cl. 158—28)



1. An oil burner comprising in combination a fuel atomizing nozzle, means for conducting air to and around the axis of said nozzle, air deflector plates disposed coaxially with respect to the axis of said nozzle, and means formed on each of said plates for imparting a swirling motion to the air supplied to said nozzle, the upper surface of one of said plates being substantially in the same horizontal plane as the discharge end of said nozzle and another of said plates being substantially above said plane, whereby air is conducted to fuel sprayed from said nozzle both in the plane of the discharge end of the nozzle and thereabove.

2,204,452
STOPCOCK
Otto Seppelfricke, Gelsenkirchen, Germany
Application March 30, 1938, Serial No. 198,989
In Germany March 31, 1937
2 Claims. (Cl. 251—59)



1. In a stopcock, a cock casing, a conical slide adapted to reciprocate within the said casing for opening and closing the passage in the cock, means for lifting and lowering the said slide, a conical seating in the said casing adapted to receive the said slide in the closed position of the cock, the said seating in the neighbourhood of the said passage being produced according to a truncated cone, the base of which has a larger diameter than the truncated cone according to which the remainder of the seating is formed so as to leave a spacing between the mouth of the said passage and the wall of the said slide, a peripheral flange forming a part of said slide above its conical face portion, and an annular seating in the said casing to receive the said flange in the closed position of the cock.

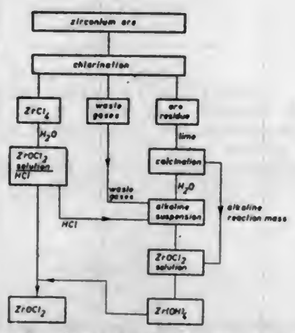
2,204,453
METHOD OF MAKING ABRASIVE CASTINGS
Walter Siegert, Chicago, Ill., assignor to Howard Foundry Co., Chicago, Ill., a corporation of Illinois
Application July 30, 1938, Serial No. 222,204
1 Claim. (Cl. 22—202)



The method of making abrasive castings which consists in forming a mold about a pattern having closely spaced relatively small protuberances throughout its surface to produce corresponding small indentations in the surface of the mold, sprinkling in the surface of the mold particles of abrasive material and partially socketing the same within certain indentations of the mold, said particles being of a size when socketed to project over adjacent indentations, whereby intervening indentations are left empty and thereafter pouring the metal into the mold in position to underflow and embed the bodies of the abrasive particles within the metal and flow into the empty intervening indentations, leaving the tips of the abrasive particles projecting therefrom and interspersed with metal tips forming a composite abrasive tread surface with the tips all lying in substantially the same plane.

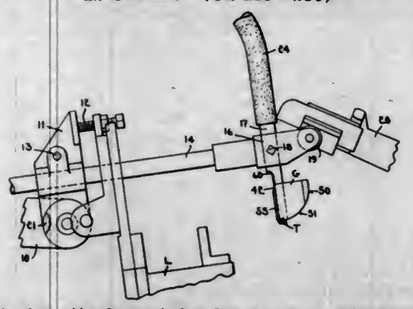
2,204,454
PROCESS FOR DECOMPOSING ZIRCONIUM ORE
Ludwig Teichmann and Hans Martini, Leverkusen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application October 20, 1938, Serial No. 236,040
In Germany October 30, 1937
4 Claims. (Cl. 23—22)

Flow Sheet.



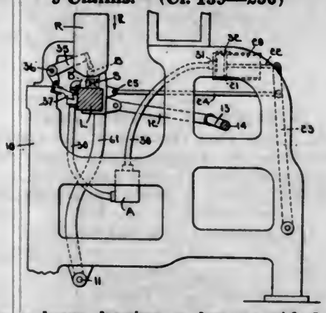
1. Process for decomposing zirconium ore containing a substantial amount of zirconium oxide which comprises chlorinating the zirconium ore at a temperature of about 400–1000° C. until a substantial amount of the zirconium ore is transformed into zirconium tetrachloride, decomposing the zirconium tetrachloride with water, subjecting the ore residue resulting from the chlorinating treatment to an alkaline decomposition treatment at a temperature of about 800–1200° C. and forming a suspension of the alkaline reaction mass in water and acidifying the suspension with the hydrochloric acid obtained in the decomposition of the zirconium tetrachloride with water and the waste gases obtained in the chlorination of the ore.

2,204,455
GUARD FOR PNEUMATIC THREAD EXTRACTORS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 1, 1939, Serial No. 265,471
12 Claims. (Cl. 139—256)



1. An attachment for loom pneumatic thread extractor, said attachment comprising a tube one end of which has a smaller internal cross-section than the other end to cause eddy currents in air passing through the tube, and said tube having an intake mouth in said one end, and a thread guiding tongue to direct a thread to the opening.

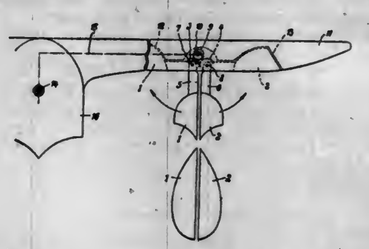
2,204,456
PNEUMATIC THREAD REMOVER
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 1, 1939, Serial No. 265,472
9 Claims. (Cl. 139—256)



1. In a loom having a lay provided with a shuttle box containing a shuttle from which a thread extends to the fell of the cloth, means to cut the thread adjacent to the shuttle, a pneumatic thread remover on the lay having an intake mouth to receive the thread, and means to induce sub-atmospheric pressures in the thread holder to cause a rush of air into the mouth, movement of the lay rearwardly with respect to the fell of the cloth causing approach of the intake mouth to the thread.

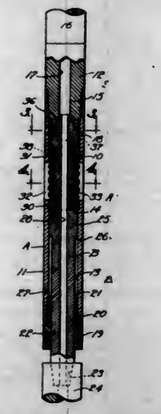
2,204,457
FLOAT SYSTEM
Richard Vogt, Hamburg, Germany
Application June 13, 1939, Serial No. 278,946
In Germany July 12, 1937
2 Claims. (Cl. 244—102)

2. A flying boat, comprising a boat hull, two wings, at least one pair of swingable float elements symmetrically arranged on the underside of each wing, means for swinging said float elements into separate recesses of said wings to



form a substantially smooth face with the wings in their inoperative condition and means for swinging out each pair of float elements to an operative position in which said elements are close together and act as a unitary float.

2,204,458
JARRING TOOL
Harry P. Wickersham, Huntington Park, Calif., assignor of one-half to Erwin Burns, Los Angeles, Calif.
Application March 20, 1931, Serial No. 524,017
25 Claims. (Cl. 255—27)

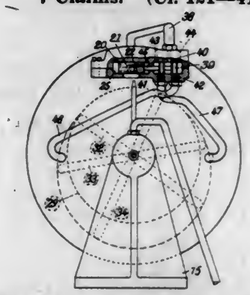


16. A jarring tool of the character described for use in a well string, including: a pair of cooperating parts in longitudinal sliding engagement so as to move between collapsed and extended positions, there being means for securing said parts between adjacent portions of said well string; cooperating stop means on said parts engaging when said parts are in relatively extended position and limiting the outward movement thereof; and movement delay means operative between said parts to releasably hold said parts in relatively collapsed position, said movement delay means comprising interengaging elements on said cooperating parts so formed as to be releasable by tension forces applied to said coopon said cooperating parts so formed as to be rerating parts and being so formed and connected to said cooperating parts that they will resist release in proportion to the torsion stress transmitted through one of said cooperating parts to the other.

2,204,459
TREATMENT OF LIVER
Verl A. Wise, Stanley B. Duffies, Grover R. Henney, and Carl L. Lohner, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 3, 1939, Serial No. 277,260
2 Claims. (Cl. 99—169)

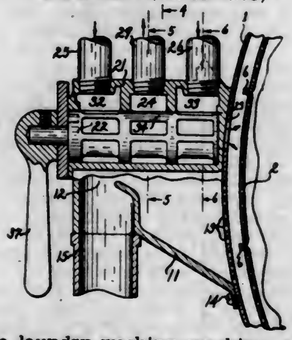
1. The method of treating livers which comprises removing excess blood from fresh livers, placing the livers in forms, wiping the exposed surface of the livers to assure a uniform thin film of blood coating the exposed surface of the livers and freezing the livers.

2,204,460
MOTION TRANSMISSION SYSTEM
Guido Wünsch, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application July 30, 1937, Serial No. 156,573
In Germany August 1, 1936
7 Claims. (Cl. 121—41)



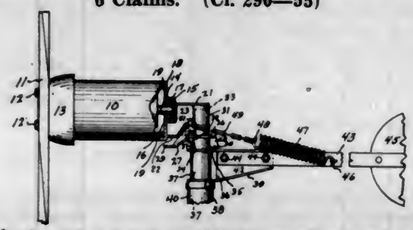
1. Motion transmission system comprising, in combination, a rotary pressure fluid motor; a jet-pipe relay including a jet-pipe mounted for full rotations about an axis coaxial with the motor and a reception orifice member mounted for full rotations with the motor; a valve controlling the flow of pressure fluid tothe motor; and means controlled by said jet-pipe relay for operating said valve.

2,204,461
WASHING MACHINE (SCUM OVERFLOW)
Louis Zimarik, Syracuse, N. Y., assignor to The Prosperity Company Inc., Syracuse, N. Y., a corporation of New York
Application September 11, 1935, Serial No. 40,111
9 Claims. (Cl. 68—208)



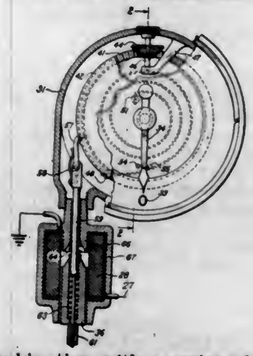
1. In a laundry washing machine, a horizontal, substantially cylindrical outer casing for receiving a washing liquid and a perforated drum rotatably mounted on a horizontal axis in the casing, the casing having a chamber located outside of the portion of the casing in which the drum is mounted and opening into said portion at a point opposed to the periphery of the drum and above the normal level of the liquid in the casing, said chamber having an outlet located above its bottom and the lowermost part of the side of the chamber opening into the portion of the casing in which the drum is mounted, whereby the surface liquid and the scum thereon is thrown into said chamber during the surging of the liquid under the influence of the rotating drum and the liquid runs from the chamber back into the casing and the scum passes into the outlet.

2,204,462
MOUNTING FOR WIND CHARGING UNITS
John R. Albers, Sioux City, Iowa, assignor to Wincharger Corporation, Sioux City, Iowa, a corporation of Minnesota
Application January 9, 1939, Serial No. 249,996
6 Claims. (Cl. 290—55)



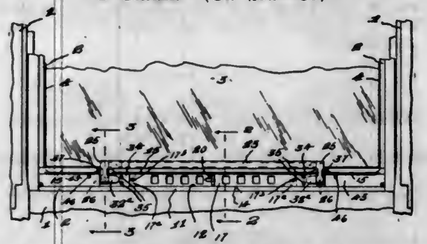
1. A generator turn table mounting comprising a pivoting member, said pivoting member having a forward circular horizontal cavity adapted to receive a generator shaft bearing, said pivoting member being pivoted off center with respect to the longitudinal axis of said generator.

2,204,463
INDICATING MECHANISM
Joseph W. Allen, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application March 2, 1935, Serial No. 9,101
Renewed May 17, 1938
3 Claims. (Cl. 264—21)



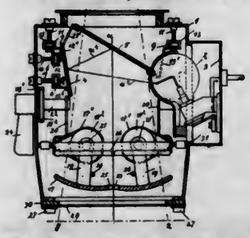
1. In combination with a series of characters, an index element movable along said series of characters, reciprocable variable stroke means for driving said index element forward, and means for imparting energizing impulses to said reciprocable means; the stroke of said reciprocable means being shortened as the energizing impulses become more frequent.

2,204,464
SASH HOLDER MECHANISM
Roy T. Axe, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application February 23, 1937, Serial No. 127,138
1 Claim. (Cl. 292—36)



A sash holding mechanism for a window sash including a transverse rail slidable in the window frame, comprising a movable operating bar extending lengthwise of the rail the greater part of the width of the sash and being shiftable bodily relative to the rail, the operating bar being pivoted at spaced apart points to the rail on an axis eccentric and parallel to the longitudinal axis of the bar, the bar being entirely outside of the rail, where it is accessible throughout a substantial portion of the width of the sash for operating movement, locking members carried by the sash and coacting with the frame, said members having an operating movement in a direction edgewise of the sash, and motion transmitting means for transmitting the pivotal movement of the bar to the locking members, the rail having a pinch-handle extending lengthwise of the bar and arranged in juxtaposition thereto, the transverse bar being located above the pinch-handle, and the pivotal axis thereof being located below the pinch-handle.

2,204,465
DEVICE FOR ADJUSTING THE ROENTGEN RAY CONE BY MEANS OF AN AUXILIARY LAMP
Anton Baier, Munich, Germany
Application February 3, 1939, Serial No. 254,386
In Germany February 3, 1938
7 Claims. (Cl. 250—94)

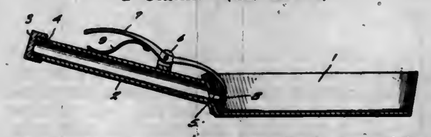


1. A device for adjusting the Roentgen ray cone by means of an auxiliary lamp whose light rays are so directed by reflection that they seem to emanate from the focus of the Roentgen tube, comprising in combination a tubular housing adapted to be fitted on the Roentgen apparatus, an auxiliary lamp, a casing for this auxiliary lamp adapted to be fitted laterally on said housing, a mirror in said housing facing said lamp, means carried by the housing and connected to said mirror for adjusting the obliquity thereof relative to the longitudinal axis of the housing and operative for adjusting the mirror relative to the vertical axis of the housing, a second mirror located in the Roentgen ray cone within said housing and adapted to catch the rays reflected by said first mirror and reflect downwardly the light ray cone to be produced coinciding with the Roentgen ray cone, means for adjusting the angle of inclination and vertical position of said second mirror, a pair of screen shutters of curved cross-section arranged one above and at right angles to the other within said tube and hingedly mounted in the tube below said mirrors, and a beam center indicating device formed by four incisions in the middle of the contacting edges of said flaps.

2,204,466
MIXTURE APPLICABLE TO TIRES, FOOTWEAR OR THE LIKE TO PREVENT SKIDDING
Howard Turner Barnes, Montreal, Quebec, Canada, assignor to George F. Foss, Montreal, Quebec, Canada
No Drawing. Application June 16, 1938, Serial No. 214,168. In Canada July 29, 1937
4 Claims. (Cl. 106—7.5)

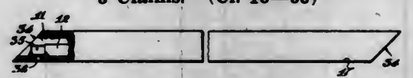
1. A mixture applicable to tires, footwear and the like to prevent skidding comprising calcium chloride, alum, and borax.

2,204,467
FRYING PAN
William Beatson, Long Branch, N. J.
Application July 16, 1938, Serial No. 219,659
Renewed May 4, 1940
1 Claim. (Cl. 53—7)



A device of the class described comprising a pan, a tubular handle, for the reception of grease, fixed on said pan, a nozzle fixed on the pan and projecting thereinto, said nozzle communicating with the handle for receiving grease therefrom, a substantially U-shaped bracket mounted on the handle at an intermediate point, a lever pivotally mounted in said bracket at an intermediate point and extending over and into the pan, a valve on one end of said lever engageable with the nozzle for closing said nozzle, and a spring for actuating the lever for engaging the valve with the nozzle.

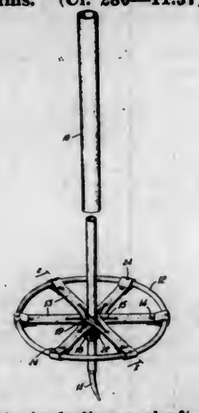
2,204,468
METHOD OF FORMING PNEUMATIC TIRES
Grover C. Berryman, Los Angeles, Calif.
Application July 21, 1936, Serial No. 91,693
3 Claims. (Cl. 18—53)



1. The method of forming a resilient hollow tube consisting in forming a length of raw rubber tubing with internal ribs extending longitudinally thereof on its outer and inner wall portions, forming the ends of the tube and the ribs thereof on a bias, forming a recess in the rib

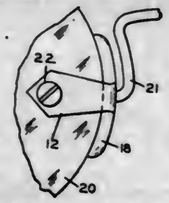
on the inner wall portion adjacent to one biased end of the tube by removing a portion of the material of the rib, forming an opening leading through the bottom wall of the recess, placing the length of tubing on a split ring having a cross section contoured to correspond to the contour of the inner periphery of the tube while the material of the tube is hot and soft, allowing the tube to cool on the ring until the material thereof is set, then removing the tube from the ring, cementing the bias ends of the tube and ribs together, inflating the tube in a mold, and heating the mold to vulcanize the tube.

2,204,469
SKI POLE CONSTRUCTION
John J. Birkhofer, Newark, N. J., assignor to The Kroydon Co. Inc., Maplewood, N. J., a corporation of New Jersey
Application March 29, 1939, Serial No. 264,713
9 Claims. (Cl. 280—11.37)



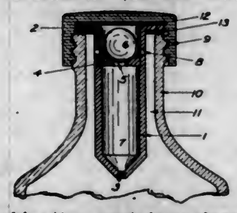
1. In a ski pole including a shaft and a snow ring, means for retaining said snow ring on said shaft comprising a collar axially affixed about said shaft adjacent one end thereof, an annular groove about the outer periphery of said collar disposed transversely of said shaft, a retainer member having an annular portion maintained within said groove, strap means connected to said ring and straddling said shaft, and means interconnected between the shaft straddling portions of said strap means and said retainer member to prevent the movement of said ring longitudinally of said shaft.

2,204,470
OPHTHALMIC MOUNTING
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application September 30, 1939, Serial No. 297,396
3 Claims. (Cl. 88—47)



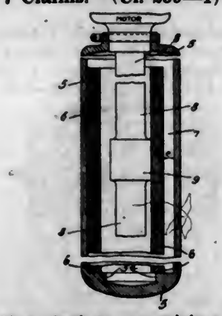
1. An ophthalmic mounting for rimless spectacles comprising strap means for engaging a surface of an ophthalmic lens, said strap means having a neck portion overlying the edge of the lens, a shoe member for engaging the edge of the lens, said shoe member being heat joined to said neck portion, said shoe member being formed of a metal having a relatively high recrystallization temperature whereby the metal will not lose any susbtantial amount of hardness or stiffness by the application of the heat necessary to unite the shoe member to said neck portion, said strap means being formed of a metal which is annealed by the heat of the joining operation whereby the strap means may be bent for adjustment.

2,204,471
COMBINATION BOTTLE CLOSURE AND LIQUID DISPENSER
James Le Roy Campbell, Jr., and Hugh Manson Dorsey, Jr., Atlanta, Ga.
Application April 24, 1939, Serial No. 269,656
3 Claims. (Cl. 221—147)



1. A combination container closure and liquid measuring and dispensing device, comprising a container closure carrying on its under face a downwardly extending tube open at its lower extremity, an apertured horizontal partition in such tube making upper and lower chambers therein, a hole in the tube wall of the upper chamber, and means in the upper chamber for opening and closing the aperture in the partition by tilting the device.

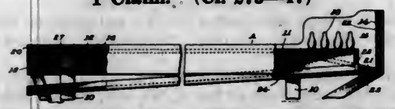
2,204,472
VIBRATING DEVICE
Albert Irénée Caquot, Paris, France
Application May 11, 1939, Serial No. 273,152
In France May 20, 1938
7 Claims. (Cl. 259—1)



1. A vibrating device, comprising an outer cylindric stationary casing member, an inner cylindric eccentrically disposed "planetary" member adapted to rotate with a roll upon and around the inner periphery or wall of said casing member, the said "planetary" member having an intermeshing outer periphery engagement with said inner periphery of the casing member, and a rotary driving means disposed within and having

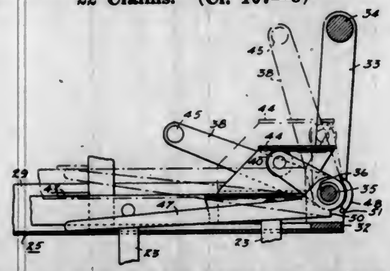
an intermeshing drive engagement with the inner wall of said "planetary" member for rotating the same in rolling movement upon and around the said inner periphery or wall of the casing member, the said rolling movement being in a direction counter to that in which the "planetary" member itself is rotatably driven.

2,204,473
GAME APPARATUS
Leonardo Colaluca, Somerville, N. J.
Application August 2, 1939, Serial No. 288,049
1 Claim. (Cl. 273—47)



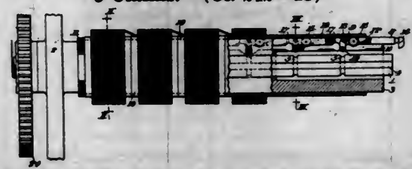
A game apparatus comprising a substantially rectangular shaped table having a bed, side walls and opposite end walls, respectively, the side and end walls being vertical to the bed and extending for a major portion of the length thereof with the minor portion of the said side walls together with one end wall elevated a considerable distance above the plane of said bed for effecting a trapping space, a flat level ball runway superimposed upon said bed and carried into the trapping space and having a uniform width considerably less than the width of the table for a major distance thereof and a minor flared fan spreadlike portion constituting a pin-setting terminal within the said trapping space, vertical side and end walling immediately beneath the terminal, a chute opening into the trapping space beyond opposite sides and the end adjacent thereto of the said setting terminal and being inclined away from the said trapping space with the lowermost end of the said chute terminating remote from the said space, and an inclined board within the trapping space with the incline of such board reversed to the incline of the chute for gravity action of the pins from the terminal when knocked therefrom and their delivery into the trapping space, the end walling beneath the terminal and the inclined board having registering openings for the passage of a ball only therethrough to the chute.

2,204,474
ART OF FORMING, REFRIGERATING, AND HARVESTING FROZEN BODIES
Richard J. Cowling, Cleveland, Ohio
Application October 29, 1932, Serial No. 640,217
22 Claims. (Cl. 107—8)



1. In a refrigerating device, peg means for supporting a confection frozen thereto, a handle for said means, means adapted to engage the confection for breaking the bond between the peg means and confection, a handle for the second means, said handles being disposed adjacent one another for grasping both with one hand and adapted when grasped to move said first and second means away from one another for causing the engagement of the confection and second means.

2,204,475
SPINDLE FOR WINDING MACHINES
Julian T. Crandall, Ashaway, R. I., assignor to Ashaway Line & Twine Manufacturing Company, Ashaway, R. I., a corporation of Rhode Island
Application May 28, 1938, Serial No. 210,586
5 Claims. (Cl. 242—18)

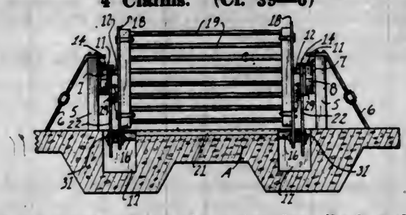


1. In a package winder, a rotary spindle having circumferential grooves, a sleeve slidable lengthwise only and adjustable along said spindle, means for holding the sleeve on the spindle including a spring pressed dog positioned to coact with said circumferential grooves, a core slidable on the sleeve, and means for releasably holding the core on the sleeve, comprising swingable members provided at their outer ends with core penetrating elements and a hand bar for bringing said elements into and out of operative positions.

2,204,476
PRODUCTION OF HYPOSULPHITES
Kurt William Freddy Dorph, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application July 10, 1934, Serial No. 734,515
11 Claims. (Cl. 23—116)

11. In the manufacture of alkali metal hyposulphites the process comprising continuously supplying to a reaction zone liquid alkali metal amalgam and sulphur dioxide gas in amounts approximating the combining ratios of the sulphur dioxide and the alkali metal of the amalgam, supplying water to the reaction zone, maintaining the temperature of the reaction zone at approximately 20°–35° C., intimately contacting these materials while in the reaction zone and continuously withdrawing spent amalgam and alkali metal hyposulphite liquors from said zone.

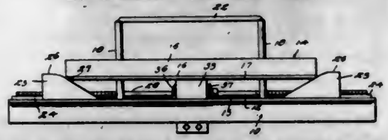
2,204,477
GATE
Edward L. Ebaugh, Kneeland, Calif.
Application August 15, 1938, Serial No. 225,009
4 Claims. (Cl. 39—6)



1. In a gate of the character described, a shaft flush with the surface of the highway, a vertical standard on each side of the highway opposite

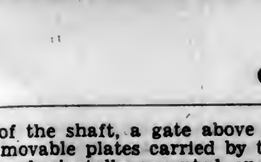
the ends of the shaft, a gate above said shaft, vertically movable plates carried by the ends of the gate and pivotally mounted on the shaft, studs carried by the ends of the gate, latches carried by the standards and engaging the studs and normally holding the gate in a vertical position, remote means operated by a vehicle for moving said plates vertically for releasing the latch, and oscillating them on the shaft for swinging the gate down parallel with the highway.

2,204,478
MATERIAL SEPARATOR
John Enbusk, Astoria, Oreg.
Application November 20, 1939, Serial No. 305,391
12 Claims. (Cl. 254—104)



1. A load spreading means comprising a pair of elongated superposed blade members, and means slidably engaging the confronting face of said members for moving one of said members relative to the other member while maintaining said members in parallel relation.

2,204,479
MEANS AND METHOD FOR PRODUCING ELECTRON MULTIPLICATION
Philo T. Farnsworth, San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application May 16, 1936, Serial No. 80,194
10 Claims. (Cl. 250—27)



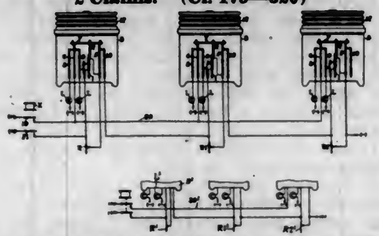
5. In an electron multiplier wherein a series of surface elements are energized to cause electrons contacting one of said surfaces to impact each of the others in succession, accelerating electrode means connected to each of said elements and extending adjacent the previous element in said series for insuring electron contact with said elements.

2,204,480
FEED TROUGH FOR GRADING MACHINES
Otto Fesefeldt, Elmshorn, Germany, assignor to Kommandit-Gesellschaft in Firma Peter Kolln, Elmshorn, Germany
Application December 2, 1938, Serial No. 243,645
In Germany June 20, 1938
2 Claims. (Cl. 209—497)



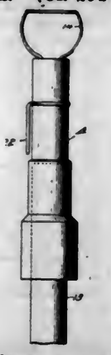
1. A feed trough for sorting apparatus comprising, a trough-like box, means providing a series of steps arranged longitudinally of the box, said box laterally and longitudinally of said steps having a smooth bottom, means for guiding granular material to be sorted onto said steps, saw-like sheet means adapted to the profile of said steps arranged along the steps providing a separating wall between the surface of the steps and the smooth bottom of the box, and the lateral wall of the box adjacent said smooth bottom having apertures providing outlets for the granular material.

2,204,481
THERMAL OPERATED CIRCUIT CONTROLLING DEVICE
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application August 15, 1934, Serial No. 739,981, now Patent No. 2,109,169, dated February 22, 1938. Divided and this application August 13, 1937, Serial No. 159,396
2 Claims. (Cl. 175—320)



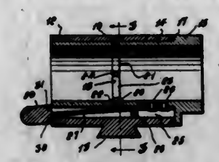
1. Apparatus for operating a plurality of contacts in a predetermined time relation, comprising, a plurality of separate thermal-responsive contact operating devices each including a heating coil and a contact, and a series heating circuit for simultaneously supplying current to said heating coils and including separate means for varying the current supplied to each coil independently of that supplied to the others, said heating circuit being opened and closed by the operation of a contact of the one of said devices which operates last.

2,204,482
GOLF BALL RETRIEVER
Walter Filipiak, Chicago, Ill.
Application August 21, 1939, Serial No. 291,252
1 Claim. (Cl. 294—19)



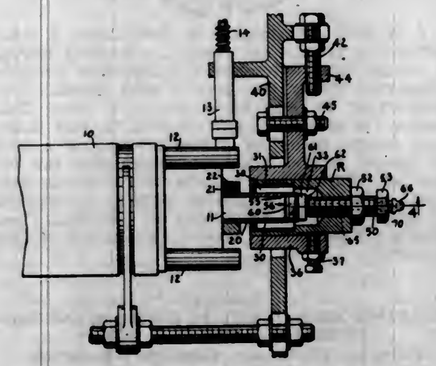
A golf ball retriever, comprising a socketed member having its socket opening through one end thereof, a grapple having opposed inherently resilient jaws provided with separated stems fitting the socket, and a compressible plug releasably interposed between the stems and frictionally engaged in the socket for the separable fastening of the grapple.

2,204,483
FULL VIEW RIFLE FRONT SIGHT
Oscar E. Forsling, Kimball, Nebr.
Application October 12, 1939, Serial No. 299,197
4 Claims. (Cl. 33—47)



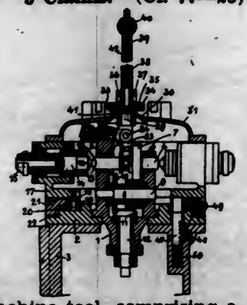
1. A gun sight having substantially parallel posts, projections at the terminals of said posts extending toward each other and being in spaced relation, a ring from the inner wall of which said posts extend, said ring having a peripheral reduced portion, a carrier having a transverse slot and communicating groove conforming in shape to the ring and its reduced portion and fitted by the latter, a hood in which said carrier is slidably disposed, said hood having an interior longitudinal groove, a spring latch on the carrier having a shoulder normally engaged with the outer end of the hood through the tension of the spring, said shoulder being movable in the groove to permit relative sliding of the carrier and hood, and a pin on the hood disposed across said groove in the path of movement of the shoulder.

2,204,484
MOUNTING FOR JACQUARD CYLINDERS
Herbert V. Foster, Providence, R. I., assignor to Crompton & Knowles Jacquard & Supply Company, Pawtucket, R. I., a corporation of Massachusetts
Application October 9, 1939, Serial No. 298,559
11 Claims. (Cl. 139—317)



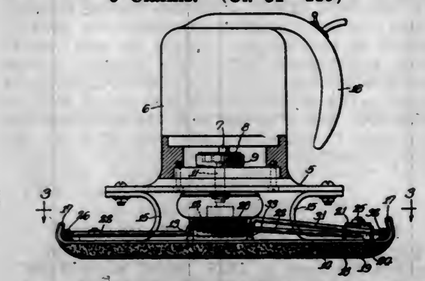
1. In a jacquard having a cylinder provided with a gudgeon extending into a fixed bearing member, an adjusting screw in the bearing member substantially in alignment with the gudgeon and movable within the bearing member toward and from the cylinder, and a body of wear resisting material introduced in force transmitting relationship between the adjusting screw and the cylinder to communicate an adjusting force from the screw to the cylinder.

2,204,485
MACHINE TOOL
Friedrich Galtzsch, Chemnitz, Germany
Application February 25, 1938, Serial No. 192,667
In Germany March 3, 1937
3 Claims. (Cl. 77—25)



1. A machine tool, comprising a frame, a rotatable tool carrier head, a plurality of tool spindles rotatably arranged in said head radially to the axis thereof, a bearing bracket disposed in said frame and encircled by said head, a tool driving shaft positioned in said bracket transversely to the pivot of said head, tool spindles disposed in said head, means for detachably coupling said driving shaft with the tool spindle coaxially adjusted relative to said driving shaft, and means for axially displacing the driving shaft, in the bearing bracket comprising a fork adjustably disposed in a recessed portion of the tool carrier head, a lever projecting from said head for operating said fork and a spherical covering on said fork to shut off the recess.

2,204,486
SURFACING MACHINE ABRASIVE SHEET HOLDER
Edward B. George, Chicago, Ill.
Application September 9, 1939, Serial No. 294,124
6 Claims. (Cl. 51—189)

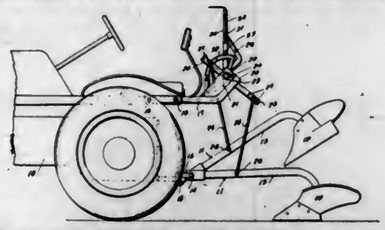


1. A device of the character described comprising a plate having upturned ends, a holding member pivoted on said plate in position to clampingly cooperate with one of said ends, a second holding member mounted on said first member and adapted to clampingly cooperate with the other end of said plate, and spring means interposed between said members for yieldingly urging said members apart.

2,204,487
TWO WAY PLOW
Edward Glorfield, Burley, Idaho, assignor of one-half to Arla R. Dawson, Burley, Idaho
Application November 9, 1939, Serial No. 303,694
3 Claims. (Cl. 97—29)

1. In combination with a plurality of plow de-

vices mounted for movement relatively to each other in a vertical plane, a rockshaft above said plow devices, cranks extending from the rockshaft, an operating means for the rockshaft, suspending links from the cranks to the plow devices to operate the latter so that one will lift as the



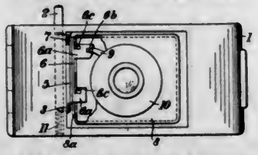
other is lowered, bearing devices in which said rockshaft is journaled, bracket means below the bearing devices to which the plow devices are pivoted, said bearing devices and bracket means being attachable to the draft means for the plow devices.

2,204,488

PHOTOGRAPHIC CAMERA

Leo Goldhammer, Munich, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application October 9, 1937, Serial No. 168,185
In Germany October 13, 1936
3 Claims. (Cl. 95—53)



1. In a photographic camera including a casing and an objective carrier movable toward and away from said casing, a shutter release member on said carrier, a shutter releasing rod slidably mounted in said casing, a slide on said carrier having engagement with said shutter release member and movable in a direction substantially parallel to the direction of movement of said releasing rod, and a connecting rod pivotally engaging said releasing rod and said slide for operative connection therebetween.

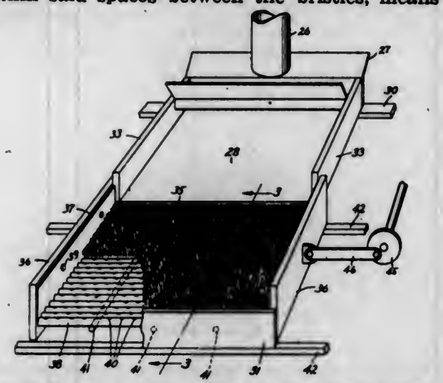
2,204,489

PLACER GOLD MINING DEVICE

William W. Gray, Colorado Springs, Colo.

Application June 9, 1938, Serial No. 212,766
9 Claims. (Cl. 209—479)

1. An apparatus of the character described for the mining of substantially dry placer deposits of gold and the like, comprising means for continuously feeding a mixed fraction of values and waste material having the values and the waste materials of substantially the same size in a relatively thin stream, a riffle surface for receiving said fraction, said surface comprising the upper ends of a plurality of relatively stiff, elongated bristles maintained substantially upright and having spaces between bristles of a size coordinating with the size of the material received on said surface and adapted to permit values of relatively heavy specific gravity to pass downwardly therebetween while maintaining waste material of relatively lighter specific gravity on the tops thereof, means for reciprocating said riffle surface to cause said thin stream of values and waste material to pass over the tops of said bristles and to effect selective separation of values within said spaces between the bristles, means



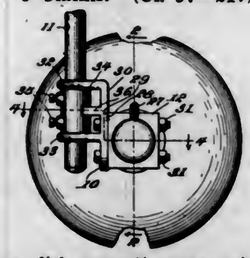
for continuously discharging values from the lower ends of said bristles, and means for continuously discharging tailings of waste material from a side of said bristle surface.

2,204,490

PLOW DISK MOUNTING

Abel G. Harris, Tonica, Ill.

Application February 13, 1939, Serial No. 256,190
5 Claims. (Cl. 97—217)



1. A plow disk mounting comprising, a shaft depending from a plow beam, a housing having a central bore extending therethrough, an axle supported within the bore of said housing and supporting on one end thereof a plow disk, means for attaching said housing to said shaft, said means including a bracket having a pair of spaced lateral apertured extensions for receiving therebetween a collar surrounding said shaft, means for permitting vertical adjustment of said collar and extensions on said shaft, and means for permitting lateral adjustment of said housing.

2,204,491

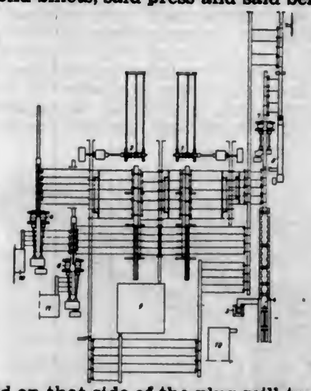
ROLLING MILL PLANT FOR THE MANUFACTURE OF SEAMLESS TUBES

Heinrich Heetkamp, Dusseldorf-Buderich, Germany

Application June 1, 1939, Serial No. 276,924
In Germany May 16, 1938
4 Claims. (Cl. 80—11)

1. A rolling mill plant containing a furnace for the heating of billets, a skew rolling mill for the production of tubular pieces from the billets, two plug rolling mills, means for the conveying of the tubes from the skew rolling mill to the one or the other plug rolling mill, the said plug rolling mills being arranged alongside of one another and to

one side of the skew rolling mill, a piercing press, a push or draw bench for the production of tubes from solid billets, said press and said bench being



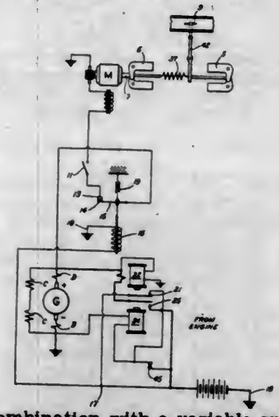
disposed on that side of the plug mill train which is opposite the skew rolling mill, and means for the conveying of the tubes from the push or draw bench to the one or the other plug rolling mill.

2,204,492

ENGINE CONTROL MECHANISM

Ralph M. Heintz, Montclair, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application February 28, 1939, Serial No. 259,016
2 Claims. (Cl. 123—102)



1. In combination with a variable speed internal combustion engine having an engine speed controlling governor thereon, means including an electric motor for varying the governor loading, and automatic means for energizing said motor, said automatic means including a source of current, a circuit from said source to said motor, and means responsive to an excessive voltage across the terminals of said source for preventing current flow in said circuit and thereby preventing excessive loading of said governor.

2,204,493

CURTAIN ROD

Charles P. Henry, Cranston, R. I., assignor to James N. Henry, Cranston, R. I.

Application February 9, 1938, Serial No. 189,481
1 Claim. (Cl. 156—19)

In a hollow curtain rod, a vertical web, the upper and lower edges thereof extending laterally from the web and then having depending portions bent in spaced parallel relation to the web and spaced from each other to form upper and lower panels, lugs extending from the ends of the



lateral edges and bent at right angles to the web and to the depending portions to close the panels, and a lift on the end of the web bent at right angles thereto to overlap the bent lugs and close the gap therebetween.

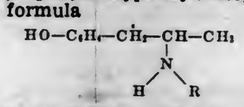
2,204,494

PREPARATION OF DERIVATIVES OF β-(P-HYDROXYPHENYL)-ISOPROPYLAMINE

Gustav Hildebrandt, Mannheim, Germany, assignor to E. Bilhuber Inc., Jersey City, N. J.

No Drawing. Application December 23, 1937, Serial No. 181,460. In Germany December 31, 1936
3 Claims. (Cl. 260—574)

1. A process for the preparation of derivatives of β-(p-hydroxyphenyl)-isopropylamine having the formula



wherein R is selected from the group consisting of lower alkyl radicals containing at least two carbon atoms and cycloalkyl radicals, which consists in condensing p-hydroxybenzylmethylketone with an amine of the formula RNH_2 and reducing the condensation product at the nitrogen atom to form the corresponding saturated amine.

2,204,495

METHOD OF FORMING FROZEN CONFECTIONS

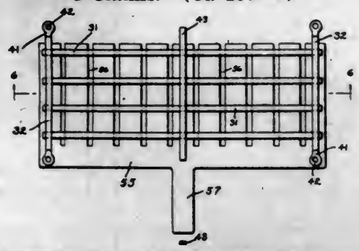
James E. Hogue, Hot Springs, Ark., assignor to Joe Lowe

Original application May 2, 1932, Serial No. 608,808. Divided and this application April 5, 1933, Serial No. 664,584
12 Claims. (Cl. 107—54)



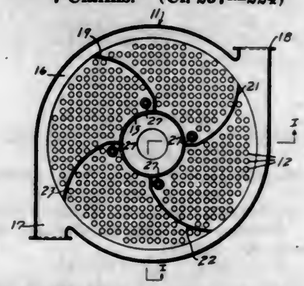
6. The method of molding and handling individual frozen confections which consists in placing the confection material to be frozen in a plurality of mold cavities, placing a rod in each mold cavity so that the lower portion of the rod is immersed in the confection material, freezing the confection material whereby it becomes bonded to the rods and to the mold walls, breaking the bond between the mold walls and the confection material, simultaneously withdrawing all the rods with a molded confection congealed on each rod, and simultaneously exerting pressure on the tops of the confections for forcing them from the rods in a single operation.

2,204,496
CONFECTION MAKING APPARATUS
James E. Hogue, Hot Springs, Ark., assignor to Joe Lowe
Application April 25, 1933, Serial No. 667,844
3 Claims. (Cl. 107—8)



1. A confection making apparatus comprising a portable carrier, pins depending from said carrier in spaced relation for supporting a series of confections bonded to said pins, a plate having a series of open ended elongated slots extending across said plate in parallel spaced relation, said slots being spaced at intervals corresponding to the distance between pin centers, said plate being slidably insertable between said carrier and the tops of confections bonded to the pins, and said plate being slidable longitudinally along the pins to exert pressure on the tops of all confections at the same time thus breaking the bond between the pins and confections and stripping all confections off all pins in one operation.

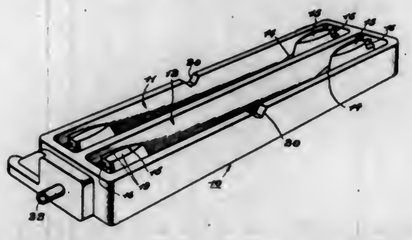
2,204,497
CALANDRIA
Henry M. Hunter, New York, N. Y., assignor to Goslin-Birmingham Manufacturing Company, Inc., a corporation of Alabama
Application March 28, 1938, Serial No. 198,501
7 Claims. (Cl. 257—224)



4. In a calandria, a tube nest, a down-take well disposed centrally of the tube nest, an outer shell surrounding the tube nest, an annular steam passage formed in the outer shell, tangential steam inlets to the steam passage, baffle walls in the tube nest curved in the direction of entering steam flow and dividing it into separate converging heating zones, said walls extending radially inward to the down-take well, and off-take means for non-condensable gases and condensate disposed adjacent the juncture of the curved walls and the down-take well.

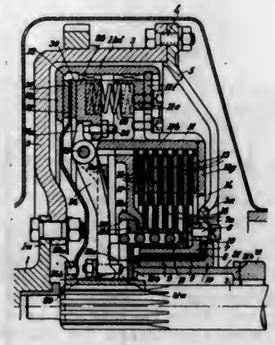
2,204,498
CASTING APPARATUS
Albert H. Jung, Flushing, N. Y., assignor to United American Metals Corporation, Brooklyn, N. Y., a corporation of New York
Application July 21, 1938, Serial No. 220,534
3 Claims. (Cl. 22—143)

1. A slotted eared metal ingot mold of the kind suitable for use in the casting of ingots for association with automatic type metal feeders such as the "Margach" feeder, said mold having side, end and bottom walls forming a cavity, said mold having an elongated body portion and an end portion and an end wall, an upstanding relatively thick strong core formed integral with the bottom wall of said end portion, an upstanding web comprising a relatively thin fragile portion formed integral with the core, bottom wall



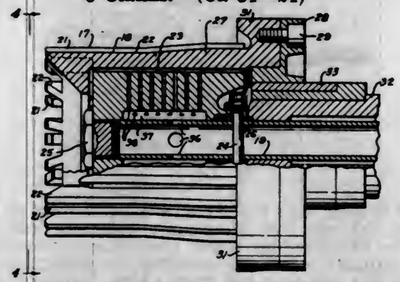
and end wall of the end portion, the top of said web and the top of said core being definitely at variance with each other in that the top of the core is higher than the top of said web, whereby when the mold is tilted an ingot cast therein may ride up on the core and permit the insertion of a tool or the gloved fingers of the operator into the slot formed by the web and the removal of the ingot without dropping thereof is greatly facilitated.

2,204,499
CLUTCH DEVICE
Hans Kattwinkel, Radebeul, Germany
Application September 27, 1938, Serial No. 231,992
In Germany September 30, 1937
10 Claims. (Cl. 192—48)



1. A clutch device for coupling two shafts, more particularly for automobile vehicles with change-speed gears comprising in combination, a multiple disc clutch having a loose disc carrier rotatably supported in relation to both shafts to be coupled together and a second disc carrier fixedly connected to one of said shafts, a supplementary friction clutch adapted to couple said loose disc carrier to one of said shafts, clutch levers distributed round the periphery, a single system of spring means adapted to act upon both said multiple disc clutch and said supplementary clutch through the medium of said clutch levers, and means to strain said spring means.

2,204,500
METHOD OF DRYING WET THREAD
Hayden B. Kline, Lakewood, and Lavern J. Jordan, Fairview Village, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Original application October 26, 1936, Serial No. 107,667. Divided and this application May 12, 1938, Serial No. 207,530
3 Claims. (Cl. 34—24)



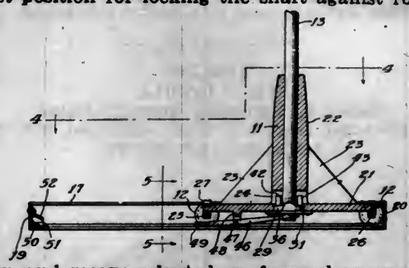
3. The method of drying wet thread comprising the steps of continuously winding the wet thread in a plurality of generally helical turns upon a thread-advancing device heated to a temperature high enough to remove moisture from the thread, the thread being wound upon said device under a degree of tension such that the turns are supported firmly; advancing the thread lengthwise of said device in the form of a traveling helix characterized by loosely supported generally helical turns which are substantially free from tension, meanwhile removing moisture from the thread to an extent such that a substantial amount of unrestrained shrinkage takes place; and, after completion of the drying operation, continuously unwinding the dried thread from said thread-advancing device.

2,204,501
METHOD FOR OBTAINING PURE NOBLE GASES
Alwin Krauss, Frankfort - on - the - Main - Griesheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application October 6, 1937, Serial No. 167,675. In Germany October 9, 1936
5 Claims. (Cl. 23—2)

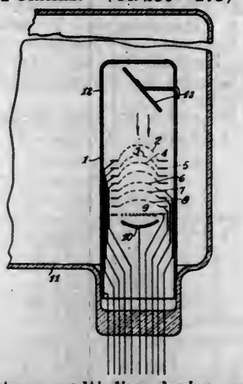
1. In the purification of crude rare or noble gases containing as part of the impurities at least one of the gases of the group consisting of hydrogen and gaseous compounds of carbon and hydrogen the steps which comprise passing the crude gas through a heated layer of metal oxides having an oxidizing action and then over a layer of a metal of the group consisting of alkali metals and alkaline earth metals which is heated only to such temperature as is necessary to fix the nitrogen contained in the gases and then passing the treated gas mixture through another heated layer of metal oxides having an oxidizing action whereby any residues of oxidizable gases are oxidized.

2,204,502
REVOLVING GARMENT CARRIER
Carl Krauss, Chicago, Ill., assignor to Garden City Plating & Mfg. Co., Inc., a corporation of Illinois
Application July 18, 1938, Serial No. 219,736
6 Claims. (Cl. 312—133)

4. In a rotatable garment carrier, a base frame and a carrier member adapted to move back and forth therein, a shaft, means for rotatably mounting said shaft in said carrier member, said means including means for causing said shaft to assume a definite rest position, locking means carried by said carrier member and adapted to coact with said shaft only while the shaft is in rest position for locking the shaft against rotation and means adapted on forward movement of the carrier member to the front part of the base frame to coact with said locking means to unlock the shaft, said last-named means being also adapted on rearward movement of the carrier to coact with said locking means to lock the shaft.



2,204,503
ELECTRON MULTIPLIER
Hans Wolfgang Langenwalter, Berlin-Zehlendorf, Germany, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, Germany
Application February 22, 1938, Serial No. 191,851
In Germany February 20, 1937
4 Claims. (Cl. 250—175)



1. An electron multiplier device comprising a source of electrons, a plurality of successive secondary emissive electrodes, a collector electrode positioned between two of said secondary emissive electrodes, said secondary emissive electrodes being of concave shape as viewed from said collector electrode, the decrease in the radii of curvature of said electrodes progressing more rapidly than the increase in spacing of said secondarily emissive electrodes from said collector.

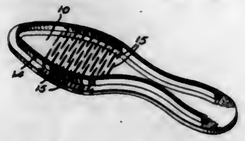
2,204,504
MANUFACTURE OF ZINC HYPOSULPHITE
Rolf Luehdemann, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application April 1, 1938, Serial No. 199,445. In Germany April 20, 1937
4 Claims. (Cl. 23—116)

1. A process for the manufacture of concen-

trated solutions of zinc hyposulphite which consists in acting on zinc amalgam in an aqueous medium with sulphur dioxide in the absence of alkali salts.

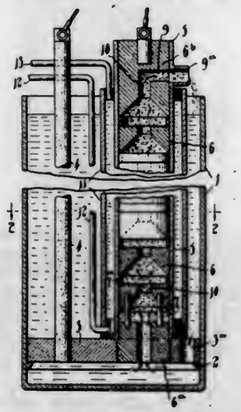
4. In a process as in claim 1 the working in the presence of a salt of zinc with from weak to medium strength acid as a buffer substance.

2,204,505
WELT INSOLE
Henry G. Lumbard, Auburn, Maine
Application August 7, 1939, Serial No. 288,716
3 Claims. (Cl. 36—22)



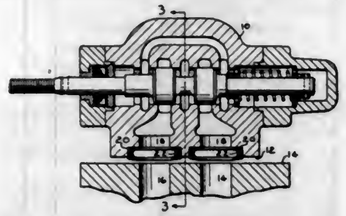
3. A welt insole comprising a body portion, a sewing rib integral with said body portion, the ball portion of the body and rib being provided with staggered rows of short, through-and-through slashes some of which sever the edges of the body portion and the ribs, each row of slashes extending entirely across the body portion and a fabric reinforcing sheet disposed in face to face contact with the body portion and the inside of the rib within the area defined by the sewing rib.

2,204,506
ELECTROLYTIC APPARATUS
Archibald J. MacDougall, Toronto, Ontario, Canada, assignor to MacDougall Chemical Company, Toronto, Ontario, Canada, a firm composed of said MacDougall, David Ross and John V. Culbert
Application December 17, 1937, Serial No. 180,265
3 Claims. (Cl. 204—5)



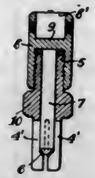
1. In an electrolytic cell the combination of an upwardly extending tube of non-conducting material; a series of blocks of conducting material inert to the electrolyte and fitting closely within the tube and held in spaced and non-conductive relationship to one another to form a series of electrolyte spaces, each block having a central opening therethrough forming the sole connection between the adjacent spaces, all of the openings being substantially concentric with one another so that all the electrolyte flows through each of the spaces consecutively.

2,204,507
SEALING RING
Joseph A. Martin, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application May 4, 1940, Serial No. 333,435
1 Claim. (Cl. 288—14)



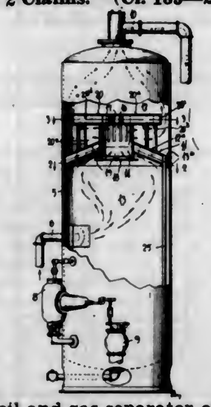
A sealing ring for use in a conduit joint of the class having two flange-like members adapted to be brought into direct contact and providing an annular recess surrounding the conduit at the juncture between the flange-like members, said ring being formed throughout of a material having the resilient characteristics of rubber having a hardness of between 65 and 85 durometer and shaped to provide when unstressed before assembly a cylindrical face at one side, end faces substantially in the form of an obtuse truncated cone and at the other side a face of generally hollowed out form to provide divergent radially extending lip portions adapted to be deflected toward each other when assembled in the joint and thus maintain tight contact with said members at the periphery of the truncated conical surfaces.

2,204,508
ELECTRIC LAMP STAND
August Matthies, Elbingerode, Harz, Germany
Application October 23, 1937, Serial No. 170,686
In Germany October 25, 1935
1 Claim. (Cl. 248—160)



In an adjustable lamp stand with a plurality of sockets, means for selectively fixing a lamp in any one of the sockets of the stand, said means comprising in combination a flexible tube carrying at one end the lamp, a screw threaded sleeve fixed on the other end of said flexible tube, a transverse partition wall in said sleeve, a plug having a screw threaded rear portion adapted to be screwed into said sleeve, a split front portion forming flexible fingers, adapted to be inserted into a socket in the stand and having a central bore extending from the rear end into the split portion between said flexible fingers and terminating in tapered portion forming a seat, and a pin inserted into said bore and having a pointed front end bearing against said seat and a flat rear end bearing against said portion wall, said pin adapted to spread said fingers and press them against the inner side of the socket when the screw threaded portion of the pin is screwed into said sleeve.

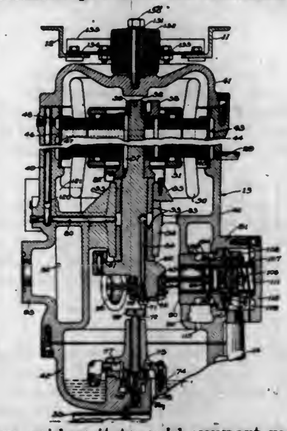
2,204,509
OIL AND GAS SEPARATOR
Roy S. McKeever, Tulsa, Okla., assignor, by mesne assignments, to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a corporation of West Virginia
Application July 22, 1938, Serial No. 220,805
2 Claims. (Cl. 183—2.7)



1. In an oil and gas separator of the type having a tank provided with a lower oil outlet, an intermediate mixture inlet and an upper gas outlet, the improvement which comprises a substantially frusto-conical hollow partition positioned in the tank between the mixture inlet and the gas outlet, means for admitting a fluid into the partition and for discharging said fluid from the partition, a chimney extending through the central portion of the partition and having upper and lower portions, the upper portion of the chimney above the partition being slotted, a hollow cover closing the upper end of the chimney and projecting outwardly beyond the outer surface of the chimney, means for admitting a fluid into the cover and for discharging said fluid from the cover, and vanes extending outwardly from the upper portion of the chimney and positioned between said hollow cover and said partition for causing gas flowing from the chimney through the slots of the latter to flow toward the inner surface of the tank and to contact with the upper surface of the partition and the lower surface of the hollow cover.

2,204,510
COMPRESSOR MOUNTING
Charles R. Neeson, Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 29, 1937, Serial No. 145,585
2 Claims. (Cl. 230—235)

2. In combination, a compression unit including a motor and compressor assembly having parts rotatable about a substantially vertical axis, and a casing enclosing said assembly, discharge and suction pipes connected to said casing, a support member for said unit positioned above said casing, a single suspending means positioned substantially vertically above the center of gravity of said unit for resiliently suspending substantially the entire weight of said unit from said support member to provide resiliently restrained limited rotation of said casing relative to said support member about a vertical axis due to variation in the speed of rotation of said parts, said means comprising a member fixed to the upper portion of said casing and spaced from said support member and a rubber element secured to and positioned between said members to support the weight of said unit and resiliently restrain said limited rotation substantially entirely by stretching stresses of said rubber, whereby said element prevents transmission of vibrations from said unit to said support member and permits resiliently restrained partial rotation of said unit and oscillation thereof in all directions relative to said support member, and flexible portions in said discharge and suction pipes permitting said partial rotation and oscillation without straining said pipes.



2,204,511
INSECTICIDE
Anderson W. Ralston and James Harwood, Chicago, and Ervin W. Hopkins, Hinsdale, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 4, 1938, Serial No. 238,890
7 Claims. (Cl. 167—22)

1. An insecticide containing as its essential active ingredient a compound chosen from the group consisting of dioctyl amine and its salts.

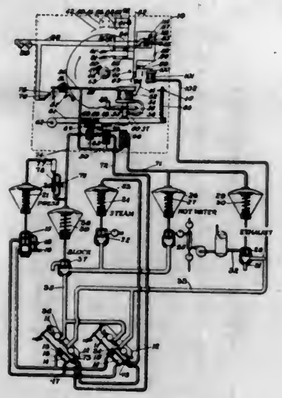
2,204,512
TANNING MATERIAL
Alfred Russell and John W. Copenhaver, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application October 6, 1937, Serial No. 167,534
14 Claims. (Cl. 149—5)

14. An improvement in the tanning of leather with naphthalene sulfonic acid-formaldehyde condensation product which consists in incorporating in the solution of the tanning agent a member of the group consisting of dihydroxy diphenyl dimethyl methane, dihydroxy diphenyl sulfone and mixtures thereof.

2,204,513
SAFETY CONTROL FOR VULCANIZER PRESSES
Rolf A. F. Sandberg and Paul F. K. Erbguth, Brooklyn, and Ed S. Smith, Jr., St. Albans, N. Y., assignors to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a corporation of New York
Application May 26, 1937, Serial No. 144,821
10 Claims. (Cl. 18—17)

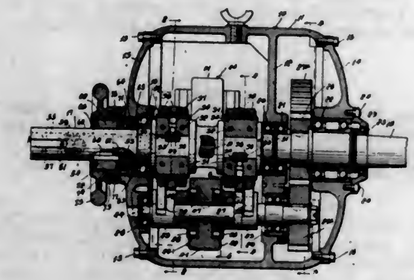
1. In an apparatus including a press for heat-

processing a hollow article, the combination with means for governing the closing and opening of the press, and means for controlling the supply of an inflating fluid under pressure to such hollow article and the exhausting of such fluid there-



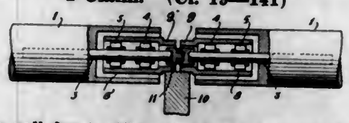
from: of means operatively connected with said press-governing means and connected in series with said fluid-supply controlling means and constructed and arranged to positively block the supply to the interior of the hollow article before said press opening means can act.

2,204,514
TRANSMISSION
Guido F. Schlote, Milwaukee, Wis., assignor to The Automatic Power Transmission Company, Inc., Ogden, Utah
Application June 3, 1937, Serial No. 146,160
8 Claims. (Cl. 74—571)



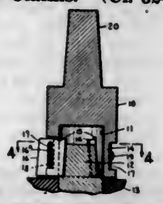
1. An eccentric mechanism for use in an intermittent grip device comprising a rotatably adjustable shaft adapted to be housed within a drive shaft, a governor device having an opening through which the first shaft passes, gear means between the first shaft and governor device at said opening to move the governor device laterally with respect to the first shaft through turning of the latter, means to secure the first shaft in different angular positions, a spring connected to the first shaft, and means mounting said spring operable to place the spring under torsion in opposition to the load to be responsive to the torque delivered.

2,204,515
ROLL FOR TEXTILE MACHINERY
Wilhelm Stahlecker, Stuttgart-Bad Cannstatt, Germany, assignor to Vereinigte Kugellagerfabriken A. G. Schweinfort, Werk Bad-Cannstatt, Germany, a corporation of Germany
Application June 14, 1939, Serial No. 279,078
In Germany June 15, 1938
1 Claim. (Cl. 19—141)



In a roll for textile machines, the combination of adjacent roll sections having cylindrical recesses at their ends, journals at the ends of each section, non-rotating housing, antifriction bearings mounted therein, the major portion of said housings entering into the cylindrical recesses, a stationary support, each housing having a neck portion resting on said stationary support, non-rigid coupling members for the ends of the journals disposed inside of the supported ends of the housings, the bearings located at the ends of the complete roll line being mounted for taking endwise thrust of the rolls, each of said roll sections being removable without the removal of the bearings or coupling members.

2,204,516
BATTERY POST SCRAPER
Arthur P. Stone, Akron, Ohio, assignor to The Wright Tool and Forge Company, Barberton, Ohio, a corporation of Ohio
Application November 2, 1939, Serial No. 302,561
9 Claims. (Cl. 82—1)

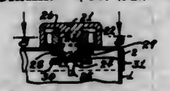


1. A battery post scraper, comprising a body having a recess at one end for receiving a battery post therein, said body having a slot therein communicating with said recess, a cutting tool received in said slot, and yieldable means on said body yieldingly to urge said tool inwardly to engage a battery post received in said recess, said tool thereby being yieldingly self-adjusting to the shapes of battery posts.

2,204,517
LOW MOLECULAR WEIGHT METHACRYLIC ACID ESTER POLYMERS
Daniel E. Strain, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 21, 1937, Serial No. 160,269
1 Claim. (Cl. 260—32)

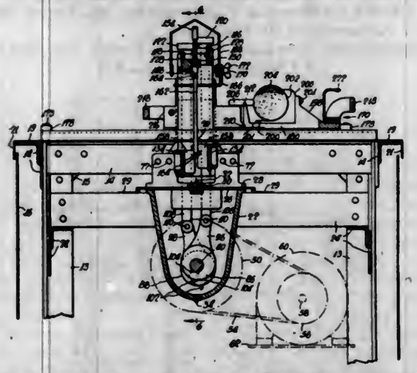
A process of preparing a low molecular weight polymer of a butyl methacrylate which comprises polymerizing the ester in solvent naphtha, at a temperature in excess of 100° C. and with a catalyst concentration of from 0.5 to 2.0% benzoyl peroxide, based on the weight of monomeric compound present, the solution prior to polymerization containing less than 30% monomer, the polymerization being continued until a polymer is obtained which will dissolve in toluene to give a liquid having a solids content of from 30–60% and a viscosity of from 0.2 to 2.0 poises at 25° C.

2,204,518
SPOOL WINDING MEANS FOR CAMERAS
Wilfred E. Tait, Milford, Conn., assignor to General Arts, Incorporated, Westport, Conn., a corporation of Connecticut
Application November 3, 1938, Serial No. 238,541
1 Claim. (Cl. 242—71)



In spool winding means for cameras, a support, a winding member carried by said support and having a circumferential skirt and a central stud terminating in a flattened portion and a key portion, a bushing for said stud secured to the said support and exteriorly formed with ratchet teeth, a washer carried by said flattened portion, a coiled expansion spring disposed on said stud between the hub and said washer, and a circular flat pawling spring engaging the inner face of said skirt of the winding member and held thereagainst by friction, said pawling spring having an inbent portion engaging the teeth of the ratchet.

2,204,519
APPARATUS FOR SIMULTANEOUSLY CUTTING A PLURALITY OF CONFECTIONERY PRODUCTS
William J. Taylor and Carroll A. Hennessy, Syracuse, N. Y., assignors to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application October 8, 1938, Serial No. 233,956
10 Claims. (Cl. 107—21)

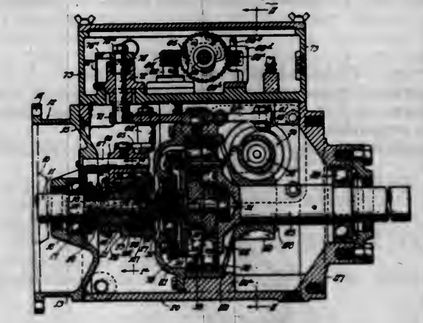


1. Apparatus of the class described comprising a supporting structure having a slotted table mounted thereon, reciprocating knife carrying frames carrying a plurality of alternately spaced reciprocating cutting knives which operate through the slot in said table, means for reciprocating said knife carrying frames, and, in combination therewith, a movable carriage member having a material supporting structure that is adapted to be passed between and through said cutting knives, said supporting structure having means for receiving a block of material containing a plurality of longitudinally spaced and outwardly projecting handle members protruding therefrom which is to be cut simultaneously into a plurality of individual pieces each containing a handle member when the same is passed between said knives, and means for maintaining said projecting handle members spaced from the top of said slotted table.

2,204,520
LEATHER FINISHING
Henry B. Walker, Elkins Park, and Paul W. McWherter, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application January 6, 1937, Serial No. 119,262
11 Claims. (Cl. 91—68)

1. Leather having a finish coating comprising a pigment and a polymer of at least one ester of the group consisting of acrylic and α-methacrylic esters that has been applied to the leather in the form of an aqueous dispersion.

2,204,521
POWER TRANSMISSION MECHANISM
Carl G. Wennerstrom, Evanston, Ill., assignor to Universal Gear Corporation, Indianapolis, Ind., a corporation of Delaware
Application May 26, 1937, Serial No. 144,819
11 Claims. (Cl. 192—150)



2. In valve control power transmission mechanism of the class described, the combination with a motor, of speed changing mechanism including a normally stationary internal gear rotatable under predetermined conditions, a positive jaw clutch between said motor and said speed changing mechanism, and an auxiliary friction clutch transmitting power when the jaw clutch is disengaged.

2,204,522
OPERATION OF STEAM TURBINES
Max Werner and Hans Tietz, Leverkusen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 24, 1936, Serial No. 65,520. In Germany February 26, 1935
8 Claims. (Cl. 210—23)

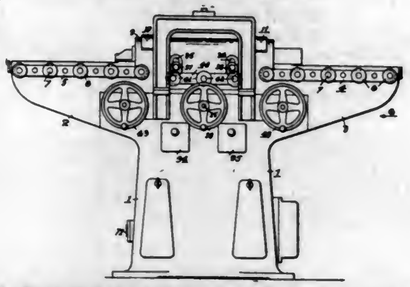
1. In a steam turbine-boiler plant, the method of minimizing deposits in the turbine of solids carried over in the steam generated from water containing salts which comprises treating the boiler water with substances interacting with substantially all the alkaline compounds contained in the water to form neutral compounds which have a crystallizing range outside the temperature interval 150° C. to 500° C.

2,204,523

PLATE REGISTERING MACHINE

Henry A. Wise Wood, New York, N. Y.; Elizabeth Ogden Wood, executrix of Henry A. Wise Wood, deceased, assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia

Application July 29, 1937, Serial No. 156,252
16 Claims. (Cl. 29—21)



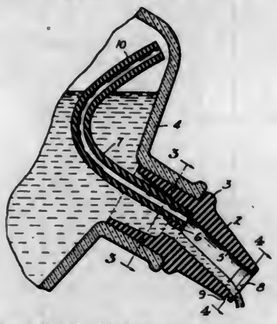
1. In a plate registering machine, the combination of a receiving roller platform, a delivery roller platform in alignment therewith, a plate carrying saddle between the two platforms, means for adjusting said saddle longitudinally, and means for moving said saddle about its axis laterally to register a plate carried by the saddle.

2,204,524

FLUID DISCHARGE DEVICE

Charles P. Bender, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 15, 1938, Serial No. 195,992
1 Claim. (Cl. 215—79)



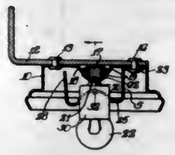
A resilient fluid discharge device comprising a closure portion for insertion into the mouth of a container, a fluid duct therethrough, a pouring spout mounted on said closure portion and having its axis at an angle with the axis of the closure portion, an opening through said spout to permit the passage of fluid and air therethrough in opposite directions, an apertured web carried by said device and disposed intermediate the spout and closure portion and having a fluid duct in register with the fluid ducts of the spout and closure portion, a tubular vent having one end secured in the aperture of the web and extending through and protruding from the closure portion, said vent being out of contact with the walls of the closure portion, a pouring lip disposed at the discharge end of said spout, and a transverse groove disposed below and adjacent the pouring lip, said groove being of appreciably greater extent in a circumferential direction than in an axial direction whereby fluid remaining on the spout after pouring is caught and distributed therein.

2,204,525

SIGNAL LIGHT

Clark M. Bolser, Cedar Falls, Iowa

Application May 12, 1939, Serial No. 273,271
2 Claims. (Cl. 173—328)



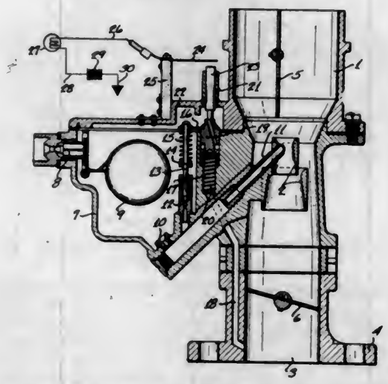
1. Means for supporting a bulb and making electrical contact therewith comprising a support, a base contact rigidly mounted thereon and insulated therefrom and a stamping of resilient sheet metal, said stamping having an opening to receive the bulb base, said opening having opposite notches to receive bayonet pins of the bulb base and depressions adjacent the opening and circumferentially spaced from said notches to receive the bayonet pins upon rotation of the bulb base to move the bayonet pins from registry with the notches to registry with the depressions, said stamping having one side thereof secured to said support and being formed between said notches and across said opening with a semi-cylindrical curvature presenting its convex side toward said base contact and said depressions being positioned at the point on said convex side substantially nearest said support.

2,204,526

CARBURETOR STEP-UP DEVICE

Leonard D. Boyce, Maplewood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application February 7, 1939, Serial No. 255,153
1 Claim. (Cl. 261—69)



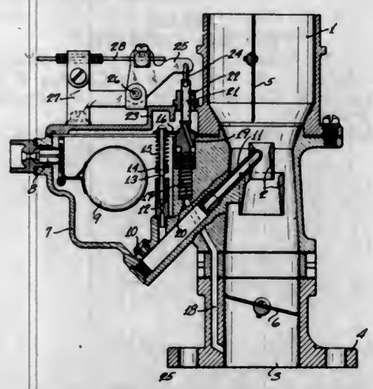
In combination with an internal combustion engine intake conduit, a manually actuated throttle therein, a carburetor for association with said intake conduit including a float bowl and a cover therefor, a main fuel passage for admitting fuel from said bowl to said conduit during normal operation of the engine, an auxiliary fuel passage opening into the main fuel passage for enriching the mixture in said conduit, a valve associated with said auxiliary fuel supply passage, suction responsive means including a piston for actuating said valve in response to suction variations in said conduit to automatically enrich the mixture in said conduit when the suction therein has reached a predetermined value, an opening in the cover of said float bowl, a guideway positioned adjacent said opening, said guideway and the walls of said opening being in vertical alignment with said plunger, a grounded reach pin arranged to travel in said guideway and to extend into the bowl of said carburetor for normal engagement with said plunger and movement therewith, an insulated support on said bowl, a contact element carried by said support for engagement with said reach pin at a point in its travel determined by the open position of said valve in said auxiliary fuel passage, and an indicator circuit connected with said contact whereby the passage of auxiliary fuel to the conduit will be indicated to permit the relative regulation of the manually actuated throttle.

2,204,527

CARBURETOR STEP-UP CONTROL

Leonard D. Boyce, Maplewood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application February 7, 1939, Serial No. 255,154
2 Claims. (Cl. 261—69)



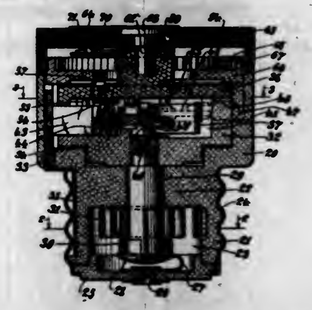
1. In combination with an internal combustion engine intake conduit, a carburetor for association with said intake conduit including a manually actuated throttle, a float bowl and a cover therefor, a main fuel passage for admitting fuel from said bowl to said conduit during normal operation of the engine, an auxiliary fuel passage opening into the main fuel passage for enriching the mixture in said conduit, a valve associated with said auxiliary fuel supply passage, suction responsive means including a piston for normally actuating said valve in response to suction variations in said conduit to automatically enrich the mixture in said conduit when the pressure in the intake passage decreases to a predetermined value, a guide member supported by the cover of the float bowl, a slidable element in said guideway for engagement with said piston, and manually actuated means supported by the carburetor for causing the slidable member to engage said piston to cause the latter to positively move said valve to closed position whereby the normal suction actuation of said valve is prevented and the fuel supply to said conduit is limited to the main fuel passage.

2,204,528

CIRCUIT BREAKER

James H. Burnside, 2nd, New York, N. Y., assignor, by mesne assignments, to Circuit Breakers, Inc., New York, N. Y., a corporation of New York

Application March 11, 1937, Serial No. 130,262
19 Claims. (Cl. 200—116)



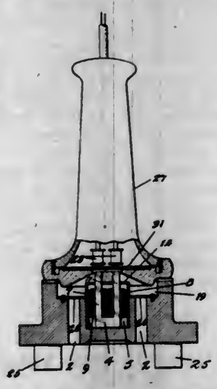
1. A circuit breaker comprising a stationary and a rotatable contact, a rotatable spindle upon which the rotatable contact is secured, bi-metal controlled means to hold the rotatable contact in closed position, actuating means to move the rotatable contact into a circuit-closing position, a casing to enclose the contacts, a partition in the casing upon one side of which the contacts are disposed, said spindle being journalled in the partition, and a spring on the other side of the partition to urge the rotatable contact normally into an open position.

2,204,529

COUPLING DEVICE FOR SIGNAL TRANSMISSION AND RECEIVING SYSTEMS

Austin G. Cooley, New York, N. Y., assignor to Wide World Photos, Inc., New York, N. Y., a corporation of New York

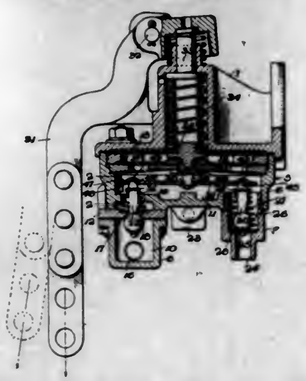
Application August 25, 1938, Serial No. 226,697
5 Claims. (Cl. 179—2)



1. A device for electro-magnetically coupling a signal generator to the coils of a telephone ear-piece comprising a magnetic core, a winding for said core to be energized by said generator, and a housing for said core and coil, said housing having means to receive and support said ear-piece with the coils of the ear-piece in registry with the said core, said housing having at least one sound channel therethrough to the open air

to allow sound waves from the ear-piece diaphragm to be heard while the ear-piece rests on said housing.

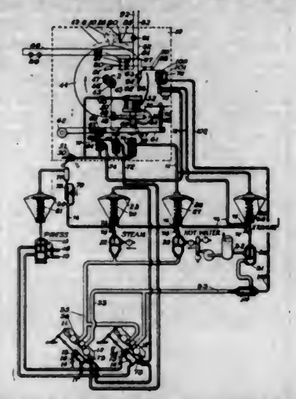
2,204,530
BRAKE CONTROL VALVE
Wilfred A. Eaton, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application September 16, 1939, Serial No. 295,263
10 Claims. (Cl. 303—54)



1. Fluid pressure control valve mechanism comprising a casing, a partition therein dividing said casing into intake and outlet chambers and having an intake valve seat formed thereon in said intake chamber, an intake valve in said intake chamber having a stem extending through said partition into said outlet chamber, a spring interposed between said partition and a portion of said valve stem for normally maintaining said valve against said seat, an exhaust port in said outlet chamber having an exhaust valve seat formed at the inner end thereof, an exhaust valve for engaging said seat and having a stem in said outlet chamber, a spring interposed between the casing and a portion of said exhaust valve stem for normally maintaining said exhaust valve in open position, a pressure-responsive member carried by the casing for controlling the valves and forming a wall of the outlet chamber, means for moving the pressure-responsive member to actuate the valves, and means for operatively connecting said pressure-responsive member and valves comprising a bar having means on one side for pivotally engaging each of the valve stems and means on the other side located intermediate the valve-engaging means for pivotally engaging the pressure-responsive member, said valve springs, bar and pivotal engaging means providing the sole guiding means for said valve stems and valves.

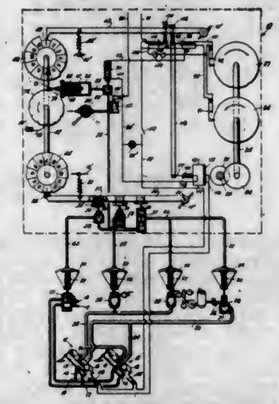
2,204,531
SAFETY CONTROL FOR VULCANIZER PRESSES
Paul F. K. Erbguth and Rolf A. F. Sandberg, Brooklyn, and Ed S. Smith, Jr., St. Albans, N. Y., assignors to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a corporation of New York
Application May 26, 1937, Serial No. 144,820
16 Claims. (Cl. 18—17)

1. In a timer for a cyclically operated processing apparatus, a time-operated cam, a control member, means operated by said control member for regulating the operation of said apparatus, pilot means movable in unison with said control member for governing the operation thereof,



and a servomotor governed by said pilot means and operatively connected with said control member to position the latter in correspondence with the position of a then-adjacent portion of said cam.

2,204,532
PROCESS CONTROL
Paul F. K. Erbguth and Rolf A. F. Sandberg, Brooklyn, N. Y., assignors to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a corporation of New York
Application June 7, 1937, Serial No. 146,760
21 Claims. (Cl. 161—7)

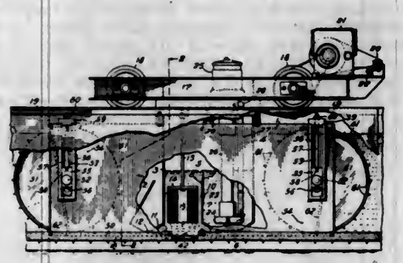


1. In a timer for governing the steps in a process, the combination of forward and reverse cam means either cam of which is effective according to the direction of rotation thereof, a reversing motor for operating said means, pilot means for controlling the steps in the process, a member arranged adjacent to said pilot means for actuating them, a pilot governing cam adapted to progressively displace said member away from and back to an initial position to selectively actuate said pilot means, a switch cam, a motor means operatively connected to said pilot governing and switch cams to rotate them in response to the then effective cam of said forward and reverse cam means, and including a solenoid-operable air-valve, manually operable switch means for actuating said solenoid-operable air-valve to cause said motor means to move the said switch and pilot-governing cams to a member-operating position, and switch means, operatively connecting the switch cam with the reversing motor, effective upon such operation of the member to govern the operation of the reversing motor to start and continue the timer upon its cycle of operation.

2,204,533
CONSTRUCTIONAL MATERIAL
Albert C. Fischer, Chicago, Ill., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Original application December 3, 1926, Serial No. 152,519. Divided and this application August 23, 1929, Serial No. 388,044
6 Claims. (Cl. 94—18)

1. A preformed construction block-like strip containing a plastic waterproof binder, shredded fibrous waste materials and mineral particles.

2,204,534
SEAL FOR SAND FILTER CLEANING MECHANISM
Charles E. Fraser, Kew Gardens, N. Y., assignor to Filtration Equipment Corp., New York, N. Y., a corporation of Delaware
Application July 9, 1937, Serial No. 152,771
20 Claims. (Cl. 210—128)

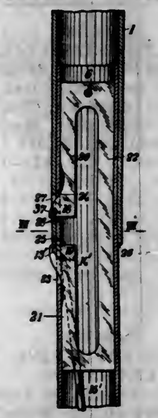


15. In a clarification filter having an outlet for filtered effluent, a filter bed of sand submerged below the level of said outlet, a travelling cleaner adapted to move adjacent the filter bed and containing means for lowering the level of water therein and discharging therefrom a flow of wash water entering from the opposite side of the filter and lateral and transverse sealing means including cleats, projecting from the cleaner into the sand of the filter and forming therewith a seal for the cleaner to prevent commingling of the wash water and water outside the cleaner.

2,204,535
FIBER
Stephen P. Gould and Earle O. Whittier, Washington, D. C.; dedicated to the free use of the People in the territory of the United States
No Drawing. Application May 28, 1938, Serial No. 210,790
1 Claim. (Cl. 28—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

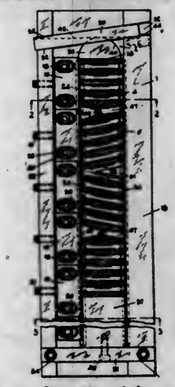
As an article of manufacture, a fiber comprising casein, sulfonated casein, salts of sulfonated casein and of casein as its essential components; and fat acids.

2,204,536
FOLDING UMBRELLA
Hans Haupt, Berlin-Zehlendorf, Germany
Application April 17, 1939, Serial No. 268,223
In Germany April 21, 1938
3 Claims. (Cl. 135—46)



1. In a folding umbrella, a stick composed of telescopic members one formed with shoulders, a latch mechanism associated with the other one of said stick members and provided with two independently movable noses adapted respectively to engage the said shoulders of one of the stick members for locking the same in extended position for preventing collapsing and disengagement of the stick members, and hand operated means for retracting said nose preventing collapsing into non-locking position, said nose preventing disengagement being formed with a bevelled edge in position for being engaged by the stick member carrying said shoulders for moving the said nose out of locking position when said stick members are being collapsed.

2,204,537
SURFACE BROACH
Francis J. Lapointe and Elmer J. Lapointe, Ann Arbor, Mich., assignors to American Broach and Machine Company, Ann Arbor, Mich., a corporation of Michigan
Application April 20, 1938, Serial No. 203,121
16 Claims. (Cl. 29—95.1)



1. A surface broach comprising a base member, a plurality of separable oblong teeth located on the base member each tooth having a cutting

edge extending along one side edge thereof, the edges of the teeth having convexedly curved surfaces, and means including elements engaging the curved surfaces for clamping the teeth substantially endwise.

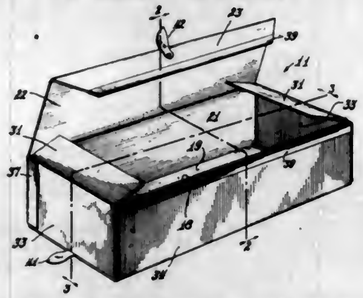
2,204,538
SULPHURIZED OIL
Bert H. Lincoln and Waldo L. Steiner, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application March 18, 1935, Serial No. 11,588
1 Claim. (Cl. 87—9)

A lubricating oil comprising in combination a major proportion of a hydrocarbon oil and a minor proportion of the sulphurized esters obtained by esterifying with a monohydric or dihydric alcohol the fatty acids obtained from processing pine wood, and then sulphurizing these esters.

2,204,539
PROCESS OF EFFECTING CATION EXCHANGE
Hans Wassenegger, Dessau in Anhalt, and Karl Jaeger, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application June 21, 1938, Serial No. 214,934. In Germany February 1, 1936
7 Claims. (Cl. 23—1)

1. The process of effecting cation-exchange in aqueous solutions which comprises bringing the solution in contact with a water-insoluble resin of an aldehyde and a member of the group consisting of hydroxybenzene, naphthalene, acenaphthene, and phenanthrene, containing nuclear sulfonic acid groups.

2,204,540
STORAGE FILING BOX
Jerome J. Carroll, Chicago, Ill.
Application October 27, 1938, Serial No. 237,299
8 Claims. (Cl. 229—23)

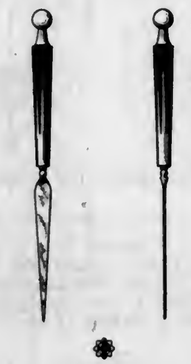


1. A collapsible box having single rear and end walls, a front wall, a bottom portion joined to the lower edge of the rear wall spanning the distance from the rear wall to the front wall to provide an inner bottom wall, a flap on said bottom wall extending upwardly into the box parallel to and closely adjacent the front wall, bottom flaps on each end wall underlying said inner bottom wall, a bottom portion joined to the lower edge of the front wall spanning the distance from the front wall to the rear wall and underlying the end wall bottom flaps, means for securing the last-named bottom portion in the aforesaid underlying relation upper flaps on the end walls extending inwardly toward each other, a top joined at its rear edge to the upper edge of the rear wall to span the distance from the rear wall to the front wall, and a tongue on the front edge of said top insertible between the front wall and the bottom wall flap adjacent thereto.

DESIGNS

JUNE 11, 1940

120,969
DESIGN FOR A COMBINED LETTER OPENER AND TELEPHONE DIALER
Abraham Broffman, Brooklyn, N. Y.
Application April 23, 1940, Serial No. 91,891
Term of patent 3½ years



The ornamental design for a combined letter opener and telephone dialer, substantially as shown.

120,970
DESIGN FOR A CLIP OR SIMILAR ARTICLE
David Cooper, Brooklyn, N. Y.
Application April 17, 1940, Serial No. 91,740
Term of patent 3½ years



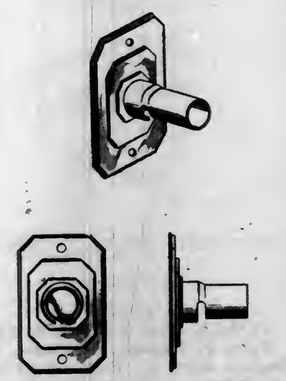
The ornamental design for a clip or similar article, as shown.

120,971
DESIGN FOR A CLIP OR SIMILAR ARTICLE
David Cooper, Brooklyn, N. Y.
Application April 17, 1940, Serial No. 91,741
Term of patent 3½ years



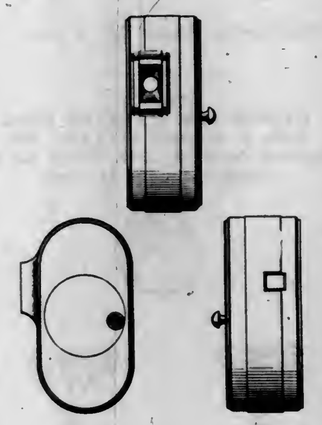
The ornamental design for a clip or similar article, as shown.

120,972
DESIGN FOR A TOWEL BAR BRACKET
Michael S. Desser, Vineland, N. J., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application April 5, 1939, Serial No. 84,065
Term of patent 7 years



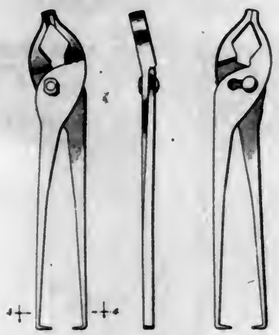
The ornamental design for a towel bar bracket, substantially as shown and described.

120,973
DESIGN FOR A FILM VIEWER
Lawrence W. Freeman, Plainfield, N. J., assignor to Pathe Laboratories, Inc., New York, N. Y., a corporation of New Jersey
Application November 7, 1939, Serial No. 88,116
Term of patent 14 years



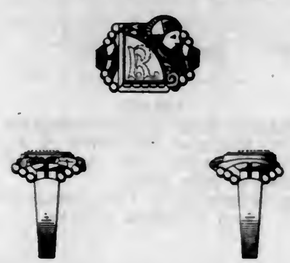
The ornamental design for a film viewer, as shown.

120,974
DESIGN FOR A HUB TOOL
James A. Harvey, Roanoke, Va.
Application April 2, 1940, Serial No. 91,418
Term of patent 14 years



The ornamental design for a hub tool, as shown.

120,975
DESIGN FOR A FINGER RING
Felix P. Kinsley, St. Louis, Mo.
Application April 29, 1940, Serial No. 92,013
Term of patent 14 years



The ornamental design for a finger ring, as shown.

120,976
DESIGN FOR A FINGER RING
Felix P. Kinsley, St. Louis, Mo.
Application April 29, 1940, Serial No. 92,014
Term of patent 14 years



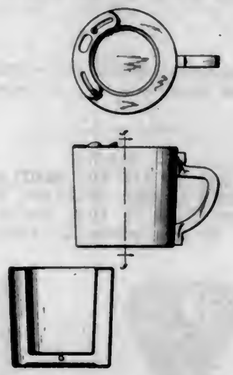
The ornamental design for a finger ring, as shown.

120,977
DESIGN FOR A FINGER RING
Felix P. Kinsley, St. Louis, Mo.
Application April 29, 1940, Serial No. 92,015
Term of patent 14 years



The ornamental design for a finger ring, as shown.

120,978
DESIGN FOR A SHAVING CUP
Mark E. Sayre, Westlake, Oreg.
Application April 3, 1940, Serial No. 91,455
Term of patent 14 years



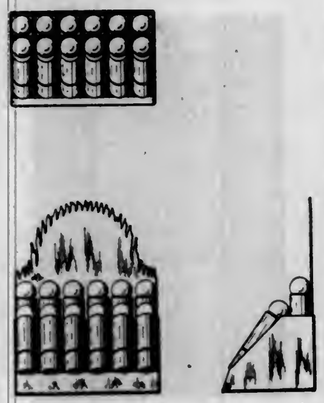
The ornamental design for a shaving cup, as shown.

120,979
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application March 27, 1940. Serial No. 91,275
Term of patent 3½ years



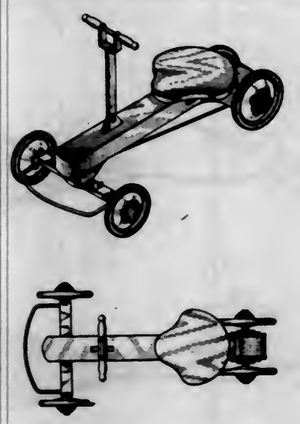
The ornamental design for a brooch or similar article, substantially as shown.

120,980
DESIGN FOR A COMBINED CIGAR LIGHTER DISPLAY AND STAND
Alexander Sydney Weston, New York, N. Y.
Application March 6, 1940, Serial No. 90,730
Term of patent 7 years



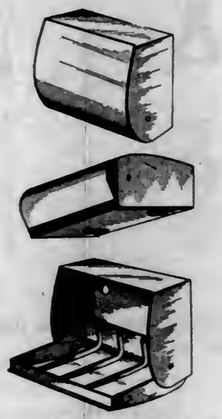
The ornamental design for a combined cigar lighter display and stand, as shown.

120,981
DESIGN FOR A JUVENILE CAR
Eugene R. Anderson, Chicago, Ill.
Application October 27, 1939, Serial No. 87,885
Term of patent 14 years



The ornamental design for a juvenile car, as shown.

120,982
DESIGN FOR A SOAP DISH
David Bernikow, Brooklyn, N. Y.
Application April 16, 1940, Serial No. 91,711
Term of patent 7 years



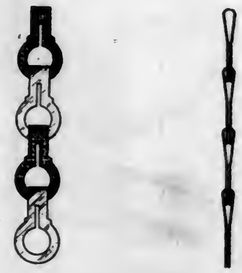
The ornamental design for a soap dish, substantially as shown.

120,983
DESIGN FOR A FLOWER CONTAINER
Richard Gottlieb Block, Los Angeles, Calif.
Application January 6, 1940, Serial No. 89,338
Term of patent 7 years



The ornamental design for a flower container, as shown.

120,984
DESIGN FOR A LINKED CHAIN OR SIMILAR ARTICLE
David Cooper, Brooklyn, N. Y.
Application April 29, 1940, Serial No. 92,010
Term of patent 3½ years



The ornamental design for a linked chain or similar article, as shown.

120,985
DESIGN FOR A LINKED CHAIN OR SIMILAR ARTICLE
David Cooper, Brooklyn, N. Y.
Application April 29, 1940, Serial No. 92,011
Term of patent 3½ years



The ornamental design for a linked chain or similar article, as shown.

120,986
DESIGN FOR A LINKED CHAIN OR SIMILAR ARTICLE
David Cooper, Brooklyn, N. Y.
Application April 29, 1940, Serial No. 92,012
Term of patent 3½ years



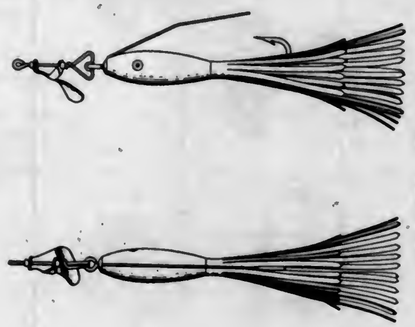
The ornamental design for a linked chain or similar article, as shown.

120,987
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application May 4, 1940, Serial No. 92,154
Term of patent 3½ years



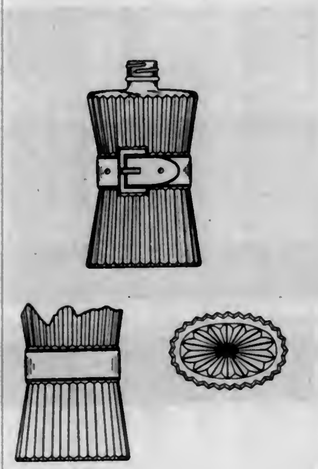
The ornamental design for a textile fabric, substantially as shown.

120,988
DESIGN FOR A FISH BAIT
Kenneth Curtis, Winnetka, Ill., assignor to Eger Bait Manufacturing Company, Bartow, Fla., a corporation of Florida
Application September 16, 1939, Serial No. 87,255
Term of patent 7 years



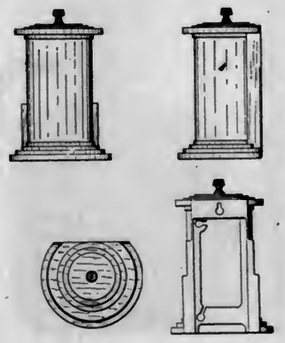
The ornamental design for a fish bait, as shown.

120,989
DESIGN FOR A GLASS BOTTLE
Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application April 5, 1940, Serial No. 91,494
Term of patent 7 years



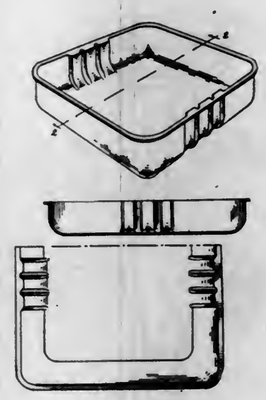
The ornamental design for a glass bottle, substantially as shown.

120,990
DESIGN FOR A LAMP
John F. Kirby, Lakewood, Ohio, assignor to National Plastics, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 26, 1939, Serial No. 86,253
Term of patent 3½ years



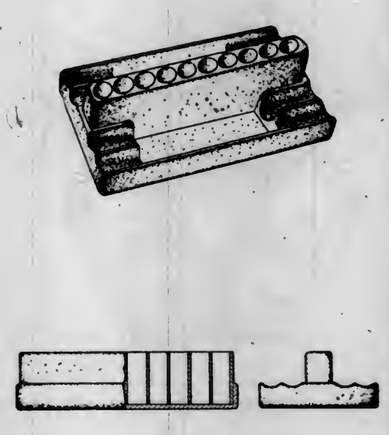
The ornamental design for a lamp, as shown.

120,991
DESIGN FOR A BASE FOR A FLORAL BASKET OR SIMILAR ARTICLE
Roderic M. Koch, Evansville, Ind.
Application February 21, 1940, Serial No. 90,428
Term of patent 14 years



The ornamental design for a base for a floral basket or similar article, as shown.

120,992
DESIGN FOR AN ASH TRAY
Phillip Steve Kushiner, Detroit, Mich.
Application October 25, 1939, Serial No. 87,863
Term of patent 3½ years



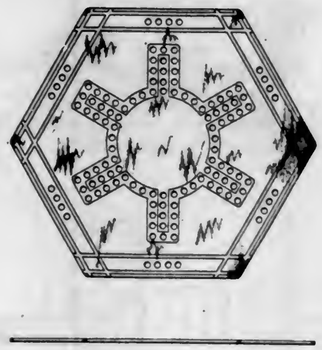
The ornamental design for an ash tray, as shown.

120,993
DESIGN FOR A CLASP
Jerome R. La Vigne, Waterbury, Conn., assignor to The Waterbury Buckle Company, Waterbury, Conn., a corporation of Connecticut
Application February 19, 1940, Serial No. 90,360
Term of patent 3½ years



The ornamental design for a clasp, substantially as shown and described.

120,994
DESIGN FOR A GAME BOARD
Robert L. Lett, La Crosse, Wis.
Application March 19, 1940, Serial No. 91,076
Term of patent 7 years



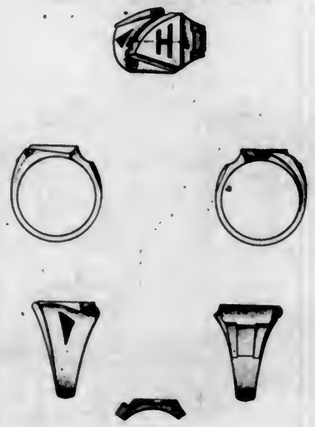
The ornamental design for a game board, as shown.

120,995
DESIGN FOR A TEXTILE FABRIC
John W. Lindsay, North Adams, Mass.
Application May 14, 1940, Serial No. 92,345
Term of patent 3½ years



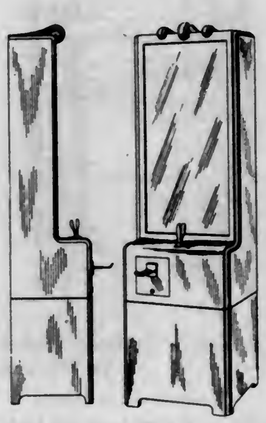
The ornamental design for a textile fabric, substantially as shown.

120,996
DESIGN FOR A FINGER RING
Otto Henry Mengel, Newark, N. J., assignor to Acme Ring Co., Newark, N. J., a corporation of New Jersey
Application April 30, 1940, Serial No. 92,043
Term of patent 3½ years



The ornamental design for a finger ring, as shown.

120,997
DESIGN FOR A CABINET FOR AN AMUSEMENT APPARATUS
John F. Meyer, Chicago, Ill., assignor to The Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application March 30, 1940, Serial No. 91,365
Term of patent 7 years



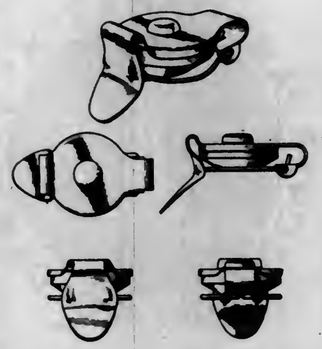
The ornamental design for a cabinet for an amusement apparatus, as shown.

120,998
DESIGN FOR A DOLL
Marx Michaels, Los Angeles, Calif.
Application April 1, 1940, Serial No. 91,391
Term of patent 3½ years



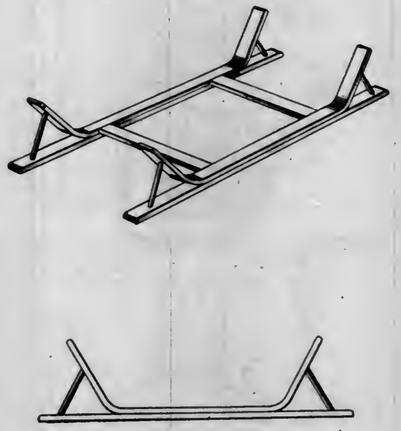
The ornamental design for a doll, as shown.

120,999
DESIGN FOR A REMOVABLE BOTTLE CLOSURE
James A. Murdock, Chicago, Ill.
Application March 25, 1940, Serial No. 91,226
Term of patent 14 years



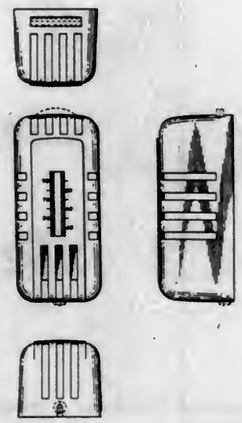
The ornamental design for a removable bottle closure, as shown.

121,000
DESIGN FOR A BASE FRAME FOR CHILD'S ROCKING TOY OR SIMILAR ARTICLE
Leslie Peltier, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio
Application March 26, 1940, Serial No. 91,264
Term of patent 14 years



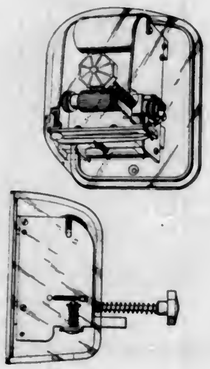
The ornamental design for a base frame for child's rocking toy or similar article, as shown.

121,001
DESIGN FOR AN AIR CONDITIONING CONTROL
Arthur V. Sampsel, Mendota, Ill., assignor to Sampsel Time Control, Inc., Mendota, Ill., a corporation of Illinois
Application March 30, 1940, Serial No. 91,364
Term of patent 7 years



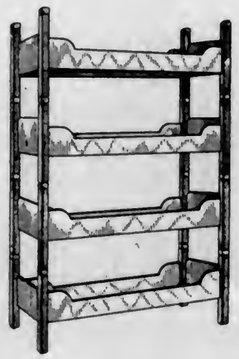
The ornamental design for an air conditioning control, as shown.

121,002
DESIGN FOR A CLEANSING-FILM DISPENSER OR SIMILAR ARTICLE
William J. Schepp, Ridgewood, N. J.
Application November 7, 1939, Serial No. 88,120
Term of patent 14 years



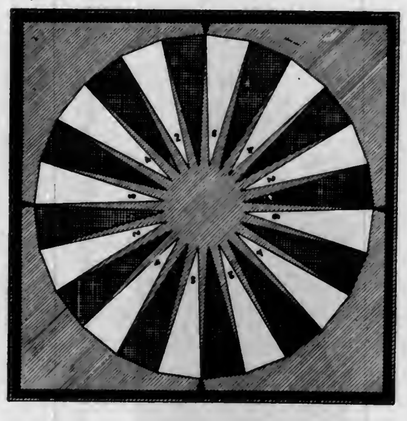
The ornamental design for a cleansing-film dispenser or similar article, as shown.

121,003
DESIGN FOR A TOY BED
Harriet Straight Stevens, Chicago, Ill.
Application November 6, 1939, Serial No. 88,067
Term of patent 3½ years



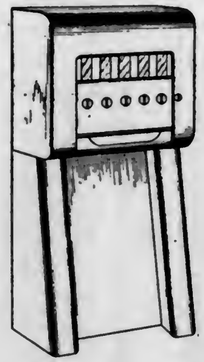
The ornamental design for a toy bed, as shown.

121,004
DESIGN FOR A GAME DEVICE
Rene Vandenborre, New York, N. Y., assignor to Parker Brothers, Incorporated, Salem, Mass., a corporation of Maine
Application February 29, 1940, Serial No. 90,595
Term of patent 14 years



The ornamental design for a game device, substantially as shown and described.

121,005
DESIGN FOR A VENDING MACHINE
Russel Wright, New York, N. Y.
Application February 5, 1940, Serial No. 90,025
Term of patent 3½ years



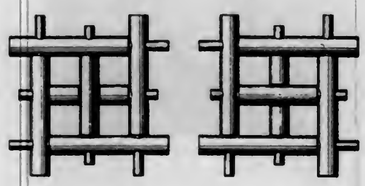
The ornamental design for a vending machine, as shown and described.

121,006
DESIGN FOR A PUZZLE
John D. Boyle, Greenwich, Conn.
Application March 19, 1940, Serial No. 91,059
Term of patent 3½ years



The ornamental design for a puzzle, substantially as shown.

121,007
DESIGN FOR A PUZZLE
John D. Boyle, Greenwich, Conn.
Application March 19, 1940, Serial No. 91,060
Term of patent 3½ years



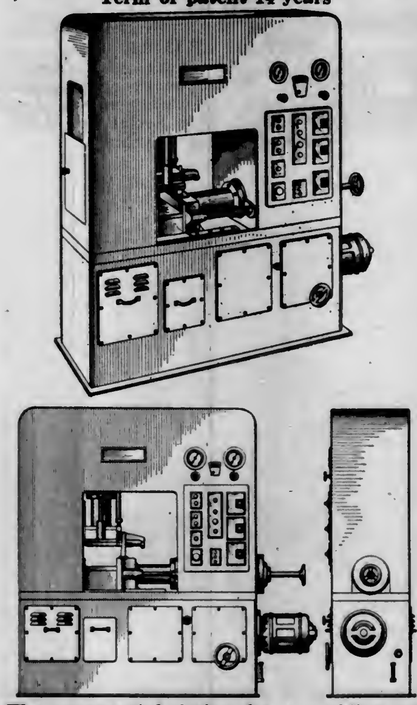
The ornamental design for a puzzle, substantially as shown.

121,008
DESIGN FOR A COMMEMORATIVE EMBLEM OR SIMILAR ARTICLE
Milton D. Cavagnaro, San Francisco, Calif., assignor to San Francisco Bay Exposition, San Francisco, Calif., a corporation of California
Application March 19, 1940, Serial No. 91,078
Term of patent 3½ years



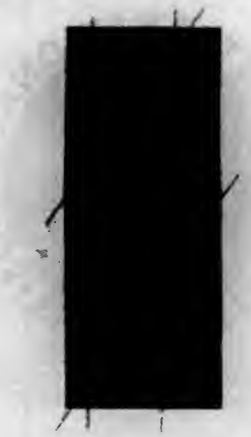
The ornamental design for a commemorative emblem or similar article, substantially as shown and described.

121,009
DESIGN FOR A MOLDING PRESS
Francis S. Farley, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application January 5, 1940, Serial No. 89,312
Term of patent 14 years



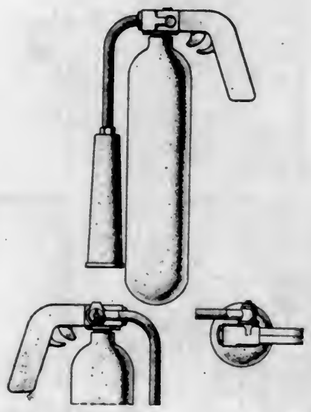
The ornamental design for a molding press, as shown.

121,010
DESIGN FOR A TEXTILE FABRIC
Robert S. Gentile, New York, N. Y.
Application April 17, 1940, Serial No. 91,729
Term of patent 3½ years



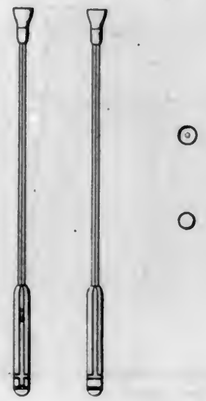
The ornamental design for a textile fabric, substantially as shown and described.

121,011
DESIGN FOR A FIRE EXTINGUISHER OR SIMILAR ARTICLE
Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application March 5, 1940, Serial No. 90,691
Term of patent 14 years



The ornamental design for a fire extinguisher or similar article, substantially as shown.

121,012
DESIGN FOR A FLASHLIGHT FOR THEATERS
Edgar V. Gray, Brightwaters, N. Y.
Application February 26, 1940, Serial No. 90,535
Term of patent 14 years



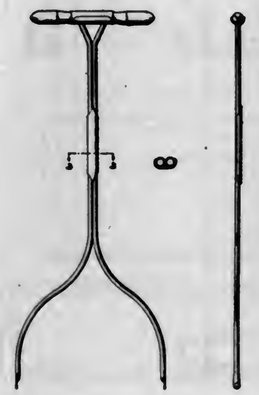
The ornamental design for a flashlight for theaters, as shown and described.

121,013
DESIGN FOR A HANDBAG FRAME
Charles Karron, Brooklyn, N. Y.
Application February 3, 1940, Serial No. 89,968
Term of patent 3½ years



The ornamental design for a handbag frame, as shown and described.

121,014
DESIGN FOR A LAWN MOWER HANDLE
Marlowe H. Kluter, Richmond, Ind., assignor to The F. & N. Lawn Mower Company, Richmond, Ind., a corporation of Delaware
Application February 10, 1940, Serial No. 90,190
Term of patent 14 years



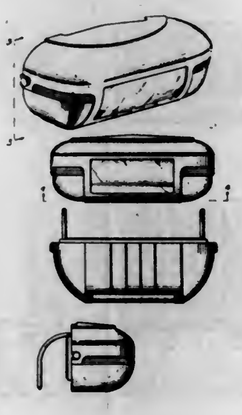
The ornamental design for a lawn mower handle, as shown.

121,015
DESIGN FOR A TEXTILE FABRIC
John W. Lindsay, North Adams, Mass.
Application May 14, 1940, Serial No. 92,344
Term of patent 3½ years



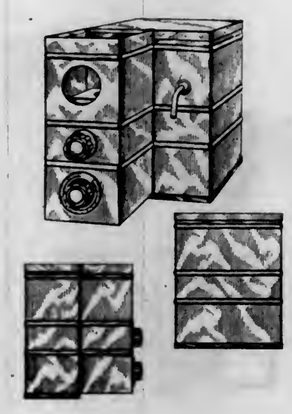
The ornamental design for a textile fabric, substantially as shown.

121,016
DESIGN FOR A BED LAMP
Bernard A. Mitchell, Chicago, Ill.
Application March 18, 1940, Serial No. 91,015
Term of patent 7 years



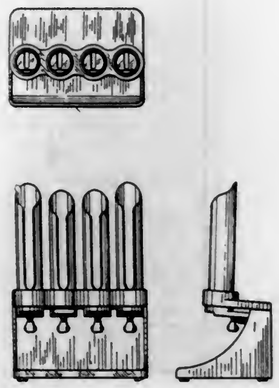
The ornamental design for a bed lamp, as shown.

121,017
DESIGN FOR A DISTILLATION TESTING APPARATUS
Alexander I. Newman, Chicago, Ill., assignor to Precision Scientific Company, Chicago, Ill., a corporation of Illinois
Application March 14, 1940, Serial No. 90,917
Term of patent 14 years



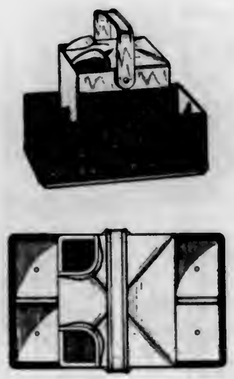
The ornamental design for a distillation testing apparatus, substantially as shown.

121,018
DESIGN FOR A MILL DISPENSER
Louis Pataky, Florissant, Mo.
Application March 18, 1940, Serial No. 91,027
Term of patent 3½ years



The ornamental design for a mill dispenser, as shown.

121,019
DESIGN FOR A BATTERY SERVICER
Robert L. Reeves, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 19, 1940, Serial No. 89,585
Term of patent 14 years



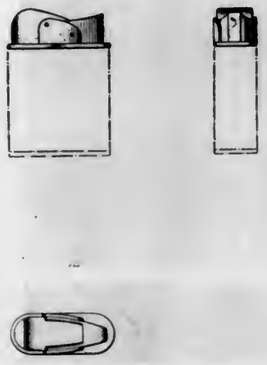
The ornamental design for a battery servicer, as shown, and described.

121,020
DESIGN FOR A LIGHTER OR THE LIKE
Quinlan Terrence Regan, Chartley, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application April 26, 1940, Serial No. 91,981
Term of patent 14 years



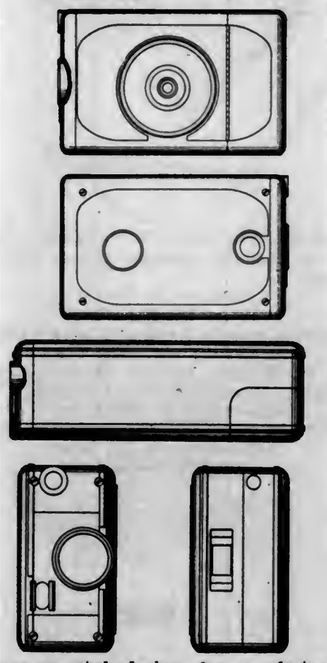
The ornamental design for a lighter or the like, as shown and described.

121,021
DESIGN FOR A LIGHTER OR THE LIKE
Quinlan Terrence Regan, Chartley, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application April 26, 1940, Serial No. 91,982
Term of patent 14 years



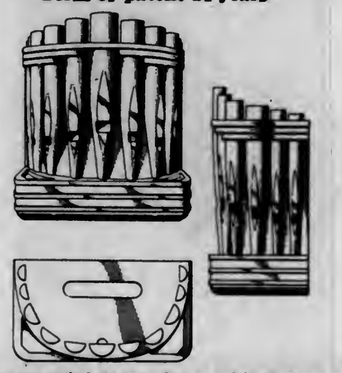
The ornamental design for a lighter or the like as shown and described.

121,022
DESIGN FOR A PHOTOGRAPHIC CAMERA CASE
Jean O. Reinecke, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application April 10, 1940, Serial No. 91,581
Term of patent 14 years



The ornamental design for a photographic camera case, as shown.

121,023
DESIGN FOR A CABINET FOR A LOUDSPEAKER
Henry T. Roberts, Barrington, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application April 18, 1940, Serial No. 91,752
Term of patent 14 years



The ornamental design for a cabinet for a loudspeaker, as shown.

121,024
DESIGN FOR A BEAD OR SIMILAR ARTICLE
Margaret H. Tang, New York, N. Y.
Application May 4, 1940, Serial No. 92,157
Term of patent 3½ years



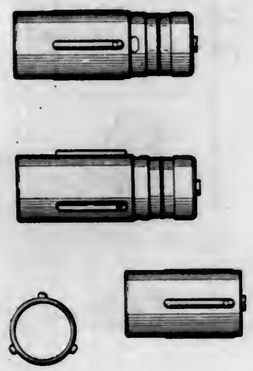
The ornamental design for a bead or similar article, substantially as shown.

121,025
DESIGN FOR A DRESS
Frank Tisch, New York, N. Y.
Application May 3, 1940, Serial No. 92,111
Term of patent 3½ years



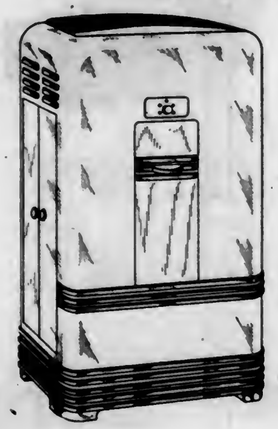
The ornamental design for a dress, substantially as shown.

121,026
DESIGN FOR A PHOTOGRAPHIC EXPOSURE METER CASE
Malcolm G. Townsley, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application April 24, 1940, Serial No. 91,898
Term of patent 14 years



The ornamental design for a photographic exposure meter case, as shown.

121,027
DESIGN FOR A CABINET FOR SPACE HEATERS OR THE LIKE
George W. Walker, Detroit, Mich., assignor to Lonergan Manufacturing Company, Albion, Mich., a corporation of Michigan
Application July 13, 1939, Serial No. 85,985
Term of patent 3½ years

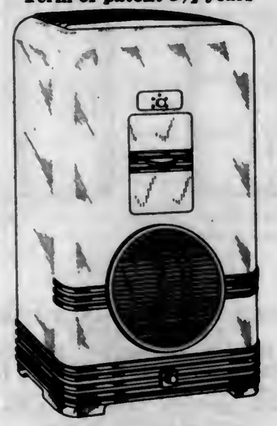


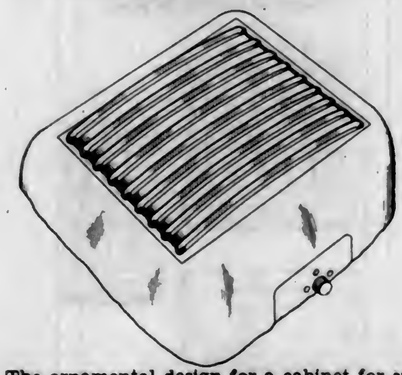
121,027—Continued



The ornamental design for a cabinet for space heaters or the like, substantially as shown and described.

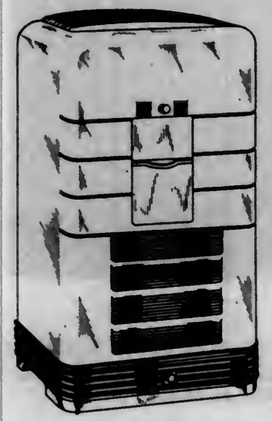
121,028
DESIGN FOR A CABINET FOR SPACE HEATERS OR THE LIKE
George W. Walker, Detroit, Mich., assignor to Lonergan Manufacturing Company, Albion, Mich., a corporation of Michigan
Application July 13, 1939, Serial No. 85,986
Term of patent 3½ years

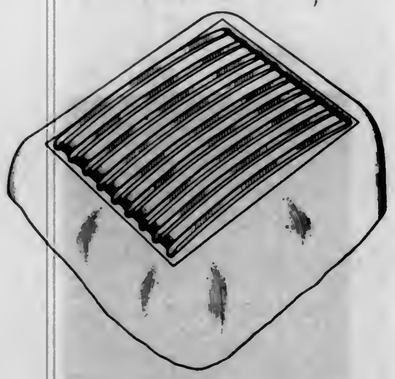




The ornamental design for a cabinet for space heaters or the like, substantially as shown and described.

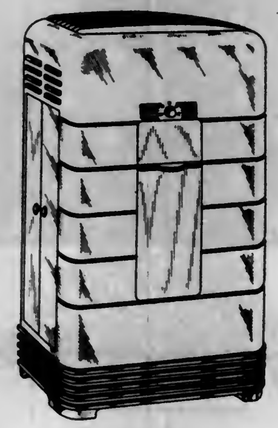
121,029
DESIGN FOR A CABINET FOR SPACE HEATERS OR THE LIKE
George W. Walker, Detroit, Mich., assignor to Lonergan Manufacturing Company, Albion, Mich., a corporation of Michigan
Application July 13, 1939, Serial No. 85,987
Term of patent 3½ years

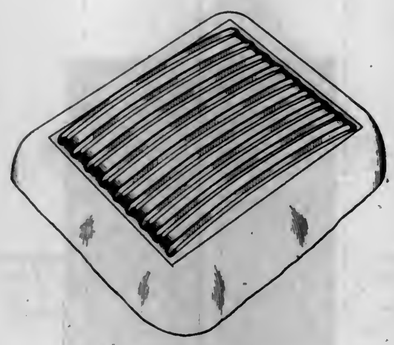




The ornamental design for a cabinet for space heaters or the like, substantially as shown and described.

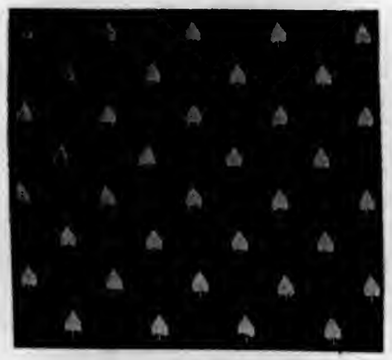
121,030
DESIGN FOR A CABINET FOR SPACE HEATERS OR THE LIKE
George W. Walker, Detroit, Mich., assignor to Lonergan Manufacturing Company, Albion, Mich., a corporation of Michigan
Application July 13, 1939, Serial No. 85,988
Term of patent 3½ years





The ornamental design for a cabinet for space heaters or the like, substantially as shown and described.

121,031
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Edmond P. Bixer, New York, N. Y.
Application April 24, 1940, Serial No. 91,913
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

121,032
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Edmond P. Bixer, New York, N. Y.
Application April 24, 1940, Serial No. 91,915
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

121,033
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Edmond P. Bixer, New York, N. Y.
Application April 24, 1940, Serial No. 91,916
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

121,034
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Edmond P. Bixer, New York, N. Y.
Application April 24, 1940, Serial No. 91,917
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

121,035
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Edmond P. Bixer, New York, N. Y.
Application April 24, 1940, Serial No. 91,918
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

121,036
DESIGN FOR A COMBINED CHENILLE JACKET AND HOOD
Melvin D. Brod, New York, N. Y.
Application March 19, 1940, Serial No. 91,068
Term of patent 3½ years



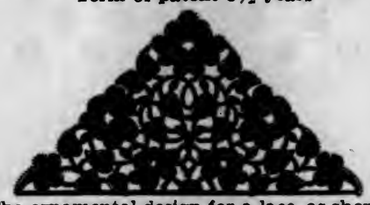
The ornamental design for a combined chenille jacket and hood, as shown.

121,037
DESIGN FOR A LACE
Adolphe Dreyfus, Mount Vernon, N. Y., assignor to Ellen Lace & Embroidery Co. Inc., New York, N. Y.
Application May 10, 1940, Serial No. 92,263
Term of patent 3½ years



The ornamental design for a lace, as shown.

121,038
DESIGN FOR A LACE
Adolphe Dreyfus, Mount Vernon, N. Y., assignor to Ellen Lace & Embroidery Co. Inc., New York, N. Y.
Application May 10, 1940, Serial No. 92,264
Term of patent 3½ years



The ornamental design for a lace, as shown.

121,039
DESIGN FOR A LACE
Adolphe Dreyfus, Mount Vernon, N. Y., assignor to Ellen Lace & Embroidery Co. Inc., New York, N. Y.
Application May 10, 1940, Serial No. 92,265
Term of patent 3½ years



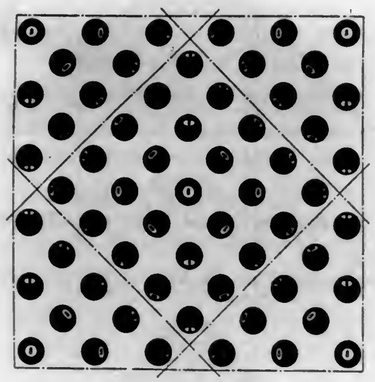
The ornamental design for a lace, as shown.

121,040
DESIGN FOR A LACE
Adolphe Dreyfus, Mount Vernon, N. Y., assignor to Ellen Lace & Embroidery Co. Inc., New York, N. Y.
Application May 10, 1940, Serial No. 92,266
Term of patent 3½ years



The ornamental design for a lace, as shown.

121,041
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
John W. Orian, New York, N. Y.
Application April 11, 1940, Serial No. 91,613
Term of patent 7 years



The ornamental design for a textile fabric or similar article, substantially as shown.

121,042
DESIGN FOR A WOVEN TEXTILE FABRIC
Abe Tillman, New York, N. Y.
Application May 10, 1940, Serial No. 92,255
Term of patent 3½ years



The ornamental design for a woven textile fabric, substantially as shown.

121,043
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
David V. Villasenor, Los Angeles, Calif., assignor to Lester G. Griffith, Los Angeles, Calif.
Application November 3, 1939, Serial No. 88,028
Term of patent 3½ years



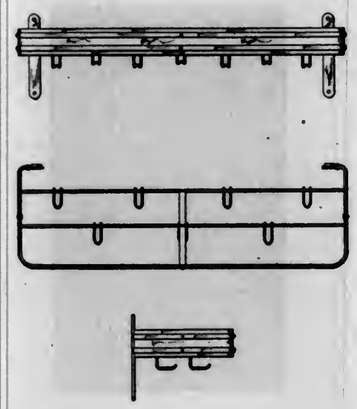
The ornamental design for a textile fabric or similar article, substantially as shown and described.

121,044
DESIGN FOR A COMBINED HOOD AND JACKET OR SIMILAR ARTICLE
Boris Berkman, Chicago, Ill.
Application March 15, 1940, Serial No. 90,963
Term of patent 7 years



The ornamental design for a combined hood and jacket or similar article, substantially as shown.

121,045
DESIGN FOR AN APPAREL RACK OR THE LIKE
Bernard M. Flannery, Galion, Ohio
Application April 23, 1940, Serial No. 91,893
Term of patent 14 years



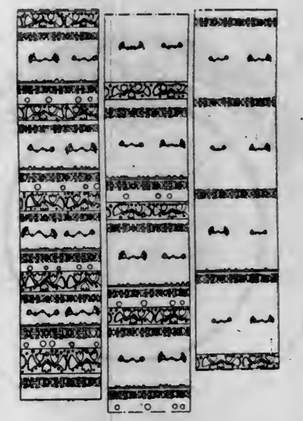
The ornamental design for an apparel rack or the like, as shown.

121,046
DESIGN FOR A DISPLAY CARTON
Frederick K. Formis, Chattanooga, Tenn.
Application January 29, 1940, Serial No. 89,864
Term of patent 7 years



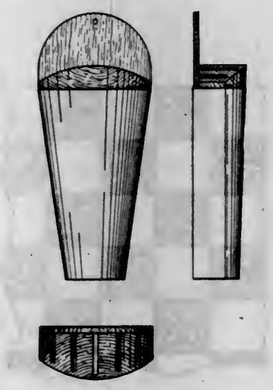
The ornamental design for a display carton, as shown and described.

121,047
DESIGN FOR A TEXTILE FABRIC
Robert S. Gentile, New York, N. Y., assignor to Tabin-Picker & Company, Chicago, Ill., a corporation of Illinois
Application April 26, 1940, Serial No. 91,983
Term of patent 3½ years



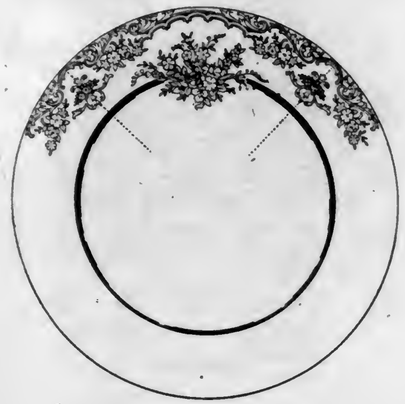
The ornamental design for a textile fabric, as shown.

121,048
DESIGN FOR A KNIFE HOLDER
Horner H. Hopkins, Des Moines, Iowa
Application April 26, 1940, Serial No. 91,963
Term of patent 7 years



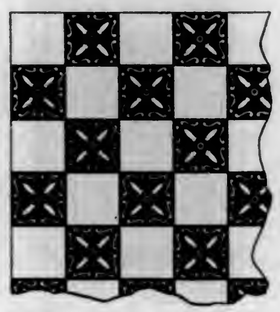
The ornamental design for a knife holder, substantially as shown.

121,049
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y., a corporation of Japan
Application April 27, 1940, Serial No. 91,999
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

121,050
DESIGN FOR A WRAPPING PAPER
Grace Chess Robinson, New York, N. Y.
Application May 4, 1940, Serial No. 92,171
Term of patent 14 years



The ornamental design for wrapping paper, as shown and described.

121,051
DESIGN FOR A TEXTILE FABRIC
John L. Walther, New York, N. Y.
Application May 3, 1940, Serial No. 92,104
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

121,052
DESIGN FOR A SIPHON
Lawrence T. Ward, East Orange, N. J.
Application October 12, 1939, Serial No. 87,642
Term of patent 14 years



The ornamental design for a siphon, as shown.

121,053
DESIGN FOR A DRESS
Samuel Ancell, New York, N. Y.
Application May 20, 1940, Serial No. 92,465
Term of patent 3½ years



The ornamental design for a dress, as shown.

121,054
DESIGN FOR A COAT LINING
Philip Feldman, New York, N. Y.
Application April 20, 1940, Serial No. 91,818
Term of patent 3½ years



The ornamental design for a coat lining, substantially as shown.

121,055
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application May 22, 1940, Serial No. 92,501
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

121,056
DESIGN FOR A BLOUSE
Benjamin Shander, Philadelphia, Pa.
Application March 25, 1940, Serial No. 91,204
Term of patent 3½ years



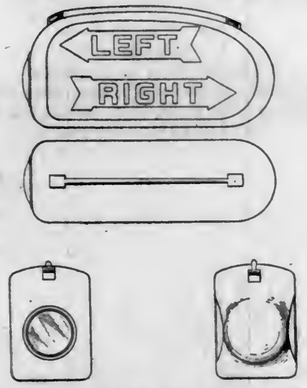
The ornamental design for a blouse, substantially as shown.

121,057
DESIGN FOR A RIBBON FABRIC
Irwin B. Simon, San Francisco, Calif.
Application February 2, 1940, Serial No. 89,955
Term of patent 7 years



The ornamental design for a ribbon fabric, substantially as shown.

121,058
DESIGN FOR A DIRECTIONAL SIGNAL LAMP
Pliney M. Crone, Kansas City, Mo.
Application February 24, 1940, Serial No. 90,487
Term of patent 14 years



The ornamental design for a directional signal lamp as shown and described.

121,059
DESIGN FOR A NECKLACE OR THE LIKE
Nat Levy, New York, N. Y.
Application May 11, 1940, Serial No. 92,292
Term of patent 3½ years



The ornamental design for a necklace or the like, substantially as shown and described.

121,060
DESIGN FOR A DRESS ENSEMBLE
Ruth Richman, New York, N. Y.
Application May 13, 1940, Serial No. 92,315
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

Patents Nos. 2,204,541 to 2,205,377

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June 18, 1940

Trade Marks	171—No.	378,704 to No.	378,874, inclusive.
T. M. Renewals	50		
Labels	32—No.	54,969 to No.	55,000, inclusive.
Prints	12—No.	18,040 to No.	18,051, inclusive.
Reissues	3—No.	21,483 to No.	21,485, inclusive.
Plant Patents	3—No.	402 to No.	404, inclusive.
Patents	837—No.	2,204,541 to No.	2,205,377, inclusive.
Designs	90—No.	121,061 to No.	121,150, inclusive.
Total	1,198		

Adjudicated Patents

(D. C. Del.) Martin patent, No. 1,306,768, for aircraft running and alighting device, claims 1 to 3, 5, and 17 to 19 *Held* invalid and not infringed. *Martin* v. *United Aircraft Corporation*, 32 F. Supp. 367.

(C. C. A. Mich.) Cerruti patent, No. 1,310,389, for aeroplane, claims 25 and 26 *Held* invalid. *Cerruti* v. *Stinson Aircraft Corporation*, 110 F.(2d) 1007.

(D. C. Del.) Martin patent, No. 1,418,008, for aircraft structure, claims 2, 4, 5, 16, 17, 21, 35, 36, and 40 to 42 *Held* invalid and not infringed. *Martin* v. *United Aircraft Corporation*, 32 F. Supp. 367.

(D. C. Del.) Martin patent, No. 1,431,017, for aeroplane alighting device, claims 16 to 19, 21, 24, 29, 30, 32, 34, 35, 37, 41, 43, and 44 *Held* invalid and not infringed. *Id.*

(C. C. A. Va.) Thompson patent, No. 1,773,891, for parliamentary voting system and apparatus therefor, claim 1 *Held* not infringed. *American Signal Corporation* v. *International Roll-Call Systems*, 110 F.(2d) 942.

(C. C. A. Va.) Thompson patent, No. 1,877,150, for electrical voting apparatus, claim 1 *Held* not infringed. *Id.*

(D. C. Okla.) Behimer patent, No. 1,883,850, for process for making gasoline, claims 14, 19, 21, 22, 23, 25, 29, 35, 36, 38, 39, 40, and 41 *Held* valid but not infringed. *Texas Co.* v. *Anderson-Prichard Refining Corporation*, 32 F. Supp. 347.

(C. C. A. Ill.) Uecker patent, No. 2,043,498, for scaffold, claims 2, 5, 9, 15, and 17 *Held* valid but not infringed. *Safway Steel Scaffolds Co. of Wisconsin* v. *Patent Scaffolding Co.*, 110 F.(2d) 1008.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,049,739, E. G. Hill, Clutch control device for motor vehicles, decided May 24, 1940, claims 11, 12, and 13.

Pat. 2,150,400, Raphael Rosen, Lubricating oil composition, decided May 28, 1940, claim 4.

Drawings

RULE 38

38. When there are drawings, the description will refer to the different views by figures and to the different parts by letters or numerals (preferably the latter).

RULE 52—EXTRACT

(*f*) The different views should be consecutively numbered. Letters and figures of reference must be carefully formed. They should, if possible, measure at least one-eighth of an inch in height, so that they may bear reduction to one twenty-fourth of an inch; and they may be much larger when there is sufficient room. They must be so placed in the closed and complex parts of drawings as not to interfere with a thorough comprehension of the same, and therefore should rarely cross or mingle with the lines. When necessarily grouped around a certain part, they should be placed at a little distance, where there is available space, and connected by short lines with the parts to which they refer and by short broken lines when the number or letters refer to parts shown in dotted lines. They should not be placed upon shaded surfaces, and when it is difficult to avoid this, a blank space must be left in the shading where the letter occurs, so that it shall appear perfectly distinct and separate from the work. If the same part of an invention appears in more than one view of the drawing it must always be represented by the same character, and the same character must never be used to designate different parts.
It is suggested that numerals or letters be used without exponents.

Printed Copies of Trade-Marks

A printed copy of the drawing and statement of any registered trade-mark can be obtained for ten cents.

Condition of Applications Under Examination at Close of Business June 1, 1940

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 45,118; Trade-Mark Division, 1,456. Oldest new case, Aug. 28, 1939; oldest amended, Oct. 16, 1939.) (The dates given are 1940 except where † indicates 1939) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 8	Jan. 9	577
6708	2. HERRMANN, D., Fishing and Trapping; Dairy; Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	†Nov. 17	Nov. 1	867
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Apr. 6	Apr. 6	323
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Dec. 29	†Dec. 19	556
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 8	Mar. 6	364
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	†Nov. 3	†Nov. 6	1002
5725	7. JARBOE, C. G., Optics; Photography	Jan. 22	Jan. 12	1043
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	†Dec. 1	†Dec. 1	1137
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Dec. 5	†Dec. 6	788
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Mar. 5	Mar. 9	384
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 12	Mar. 13	400
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Jan. 25	Jan. 5	502
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 2	†Dec. 30	665
5097	14. REYNOLDS, E. L., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Feb. 14	Feb. 7	656
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	°Dec. 12	†Dec. 5	1211
5716	16. SPENCER, C. J., Telegraphy; Telephony	Jan. 6	Jan. 8	557
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 27	Jan. 20	585
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 1	†Dec. 2	614
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 29	Jan. 30	542
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 10	Feb. 27	321
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar. 2	Mar. 1	475
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Oct. 23	†Oct. 23	1164
7624	23. BUTTNER, W. J., Registers (part)	†Oct. 16	†Oct. 16	266
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Oct. 16	†Oct. 25	1521
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 10	Feb. 2	555
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Jan. 16	Jan. 2	454
5708	7. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	†Dec. 4	†Dec. 11	860
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	†Dec. 28	†Dec. 8	527
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	†Dec. 14	†Dec. 18	917
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Jan. 26	Jan. 29	704
4716	30. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Jan. 29	Jan. 27	1002
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 26	Feb. 19	229
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Jan. 29	Jan. 26	951
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Mar. 5	Mar. 11	255
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Jan. 5	Jan. 11	809
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	†Dec. 14	†Dec. 18	784
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	†Dec. 21	†Dec. 20	663
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering: Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Nov. 3	†Nov. 3	879
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 26	Jan. 25	596
7880	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	†Oct. 25	†Oct. 30	2023
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Jan. 5	†Dec. 16	289
5882	42. CUTTING, H. O., Electric Signaling	†Nov. 7	†Nov. 3	688
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Jan. 25	Jan. 22	473
4087B	44. HARVEY, L. P., Refrigeration	Jan. 4	†Dec. 20	699
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Feb. 26	Feb. 21	408
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Jan. 9	Jan. 18	760
6082	47. KANOF, W. J. (Act.), Clutches; Brakes	Jan. 26	Jan. 29	465
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Jan. 10	Jan. 17	528
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	†Nov. 22	†Dec. 5	951
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Jan. 2	Jan. 3	1499
5628	51. BACKUS, C. D., Radiant Energy (part)	Mar. 15	Mar. 20	555
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Jan. 15	Feb. 3	749
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Lable Pasting and Paper Hanging.	Mar. 15	Jan. 10	364
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Mar. 29	Apr. 1	275
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Jan. 3	Jan. 13	475
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	†Dec. 1	†Dec. 1	1260
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	†Aug. 28	Feb. 17	353
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Jan. 12	†Dec. 6	442
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	†Dec. 21	†Dec. 21	830
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Mar. 1	Mar. 22	309
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Jan. 12	Jan. 4	632
5621	62. PUGH, E. C., Games; Geometrical Instruments	Mar. 23	Mar. 27	304
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	†Oct. 25	†Oct. 24	1186
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Mar. 1	Mar. 2	613
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Mar. 1	Mar. 2	448
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	Apr. 29	May 8	1409
	{Labels and Prints	May 28	May 29	47
2605	DESIGNS: H. H. KALUPY	Apr. 22	May 13	835

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE GOESSLING

No. 4,197. Decided January 4, 1940

[108 F.(2d) 266]

1. PATENTABILITY—RESULT OF INVENTIVE GENIUS.

"The patent laws do not contemplate that every improvement, even though of great utility, should warrant the improver being given a monopoly upon the manufacture and sale of the same. One entitled to a patent must not only obtain novel and useful results, but his device must be the result of inventive genius."

2. SAME—APPARATUS FOR EMBOSSING OR SHAPING CELLULOID TUBING.

Claims for apparatus for embossing or shaping Celluloid tubing *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. James A. Carr and *Mr. Joseph J. Gravely* (*Mr. Francis D. Stephens* of counsel) for Goessling.

Mr. Howard S. Miller for the Commissioner of Patents.

BLAND, *J.*:

Appellant applied to the United States Patent Office for a patent relating to an alleged invention in a process and apparatus for embossing or shaping Celluloid tubing such as is used in making pens, pencils and the like. The claims—1 to 8, inclusive, and 23—relating to the apparatus were all rejected by the Primary Examiner, and upon appeal to the Board of Appeals his decision was affirmed, whereupon appeal has been taken here. No process claims are involved.

In forming the shape of Celluloid tubing, appellant employs a set of three cooperating rolls each containing a pass or a groove. Claim 1 calls for an apparatus which will give the tubing an external polygonal shape. Claim 23 calls for the tubing to be given a hexagonal shape. All the other claims specify that the grooves contain portions having different elevations so as to give an embossed or ornamental grooved effect to the tube. Claim 5 calls for a roll for rolling tubing of Celluloid, in the groove of which roll is a raised web for causing a recess in the tube, such recess as would be desirable if filling apparatus for a fountain pen were desired.

The references relied upon are: Clifford et al., 371,424, October 11, 1887; Buschick et al., 384,422, June 12, 1888; Dittmar et al., 773,854, November 1, 1904; Dittmar et al., 773,855, November 1, 1904; Hamilton, 1,153,550, September 14, 1915; Neidich, 1,822,538, September 8, 1931; Neidich, 1,837,471, December 22, 1931.

Appellant in his brief points out that claim 1 is illustrative of claims 1 and 2 and that claims 3 and 7 are typical of claims 3, 4, 6, 7, 8, and 23. He then calls attention to the features of claim 5 which are above referred to. Claims 1, 3, 5 and 7 follow:

1. An apparatus for changing the external shape of tubing of Celluloid and the like by longitudinal rolling comprising a set of cooperating rolls each having a pass groove therein thereby forming cylindrical tubing into tubing of polygonal external shape.

3. A roll for shaping and embossing tubing of Celluloid and the like having a pass groove therein, a side of said groove having portions of different elevation for embossing the tube being rolled.

5. A roll for rolling tubing of Celluloid and the like having a pass groove therein, a side of said groove having a raised web for recessing the tube being rolled.

7. An apparatus for embossing and externally shaping tubing of Celluloid and the like by longitudinal rolling comprising a set of at least three cooperating rolls having cooperating grooves of angular shape forming a pass of at least six sides, one of said grooves having a side provided with portions of different elevation for embossing the tubing being shaped by said rolls.

In applying the references to the claims, the Examiner stated:

The references Dittmar et al., Hamilton, Clifford et al., and Buschick et al., disclose rolling machines having closed, or substantially closed, "passes" and designed for shaping or ornamenting such materials as wood, metal or (in Hamilton) "tubular shaped handles of stenographic pens, pencils and other tubular members." The Neidich references illustrate the forming of Celluloid by other means than rolling, as in the present instance.

The claims have been rejected on the ground that since the art shows the specific roll arrangement to be old, and since it is old to mold Celluloid while softened, it would not require invention to adapt the machines of the art to the shaping of Celluloid, if such adaptation were necessary. It is submitted that this viewpoint is correct, and that it would merely be a question of design to effect such adaptation of the known machines.

The Board agreed with the Examiner and applied the references as had the Examiner and then stated:

Appellant argues that the references do not show combined shaping and decorating devices. It is considered that the Dittmar et al. patents show shaping and decorating broadly and that it would not amount to invention to modify the Hamilton roller structure to apply cross sectional shaping in addition to the engraving and ornamenting shown in that patent.

We have considered appellant's arguments but are of the view that the claims are unpatentable in view of the references and for the reasons given, the rejection is accordingly affirmed.

The Dittmar et al., Hamilton, Clifford et al. and Buschick et al. patents disclose rolling machines having closed or substantially closed "passes" designed for shaping articles of such materials as wood or metal, and in Hamilton reference is made to shaping "tubular shaped handles of stenographic pens, pencils, and other tubular members." The Neidich patents show the shaping of Celluloid by other means than rolling through an orifice or pass. The Clifford et al. and Buschick et al. patents disclose grooved rolls for shaping the outside of wires or nails or similar structures.

As may be observed from the above-referred-to art, it was old to shape articles by rolling and it was old to mold or roll so as to get an ornamental configuration if desired. No invention is seen in making the pass through the rolls take such form as to produce hexagonal or other polygonal shapes, nor would it amount to invention to so shape it as to bring about a cross sectional ornamentation effect. Likewise, we think, it does not amount to invention to put a web or high portion on the roll so as to produce a recess in the article, if a recess is desired.

In discussing the references, appellant in his brief states:

As appears from the foregoing description of the prior art citations, none shows a rolling mill for the longitudinal rolling of Celluloid tubing to shape it externally and none, in fact, shows a longitudinal rolling mill for both shaping and decorating tubing of any kind. * * *

Appellant further argues that some of the references relate to nonanalogous art. Insofar as they relate to the shaping of articles other than Celluloid, appellant states that they operate in a different manner and produce a different kind of work.

The Board stated that the Dittmar et al. patents show shaping and decorating broadly and that it would not amount to invention to modify the Hamilton roller structure to apply cross sectional shaping in addition to the engraving and ornamenting shown in those patents.

[1] [2] With the Board's conclusion we agree. Conceding that appellant has a rolling mill which he states is a "tremendous forward step in the field of making decorated articles of Celluloid and the like", it is well known that much of the improvement that is made on machinery is the result only of mechanical skill suggested by knowledge of the prior art. The patent laws do not contemplate that every improvement, even though of great utility, should warrant the improver being given a monopoly upon the manufacture and sale of the same. One entitled to a patent must not only obtain novel and useful results, but his device must be the result of inventive genius.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SLATE

No. 4,203. Decided January 4, 1940

[108 F.(2d) 268]

1. PATENTABILITY—COMBINATION OF REFERENCES.

"It is a well settled rule that it is proper to combine references and if such combination does not involve the exercise of the inventive faculty, changes made in the elements disclosed in the references in order to effect such combination, if obvious to one skilled in the art, will not render the combination patentable."

2. SAME—IMPROVEMENTS IN AN INTERNAL COMBUSTION ENGINE.

Certain claims for improvements in an internal combustion engine *Held* unpatentable over the prior art.

3. RULE 139—INTERPRETED.

"While the fourth paragraph of Patent Office rule 139 clothes the Board with authority to include in its decision a statement that a patent 'may be granted in amended form' and makes this 'binding on the Primary Examiner in the absence of new references or grounds of rejection', there is nothing in the rule which makes such action mandatory on the part of the Board. It is a matter peculiarly within the Board's discretion."

4. APPEAL—JURISDICTION—ASSIGNMENT OF ERROR AFTER EXPIRATION OF LIMIT OF APPEAL.

Where proposed claims were not brought forward until after the decision of the Board of Appeals on the merits of the other claims, and the proposal was not even accompanied by an affidavit and was denied by the Board of Appeals, and a supplemental notice of appeal, adding an assignment of error in connection with the refusal to admit the proposed claims, was filed after the expiration of the limit of appeal, *Held* that "Aside from what the Board did, or might have done, however, we are not at liberty, under the facts here appearing, to consider the claims upon their merits in this appeal."

5. SAME—SAME.

Where, in a decision of the Commissioner of Patents, it was held that whether the court would consider an additional ground of appeal set forth in a paper filed after expiration of the limit of appeal was a matter to be determined by that tribunal, *Held* that "under the jurisdiction defined by the statute for this court, we are without authority to entertain an appeal from a decision of the Commissioner in a matter of the nature here involved."

APPEAL from Patent Office. Dismissed as to certain claims and affirmed as to other claims.

Mr. Lester L. Sargent for Slate.

Mr. Howard S. Miller for the Commissioner of Patents.

GARRETT, *P. J.*:

The brief of the Solicitor for the United States Patent Office states the issues involved in this appeal as follows:

Claim 38 having been allowed, this was originally an appeal from the decision of the Board of Appeals affirming that of the Examiner denying patentability in view of the prior art of claims 29, 36, and 41.

After the original notice of appeal had been filed a supplemental notice of appeal was filed * * * adding a fourth assignment of error in connection with the refusal of the Patent Office to admit the proposed claims 42, 43, and 44. The supplemental notice of appeal was filed after the expiration of the limit of the appeal from the decisions rendered by the Board of Appeals and the First Assistant Commissioner informed appellant * * * that "whether the court will consider the additional ground of appeal is a matter to be determined by that tribunal."

We first consider appealed claims 29, 36, and 41 upon their merits. The application bears the broad title "For Improvements in an Internal Combustion Engine." The claims relate specifically to a piston structure. Claim 36 appears to be illustrative of all features of the subject matter. It reads:

36. In an internal combustion engine of the type described, the combination of a piston, a piston rod connected to the piston, the piston having a series of rings, an extension piston head above its top ring extending into the aforesaid cylinder head to reduce clearance and increase compression pressure without subjecting the cylinder and its lubricated walls to high temperatures, said extension piston head being of different metal from the body of the piston and capable of withstanding high temperatures and secured on the top of the piston with minimum surface contact, to reduce heat travel from the head to the piston, the aforesaid piston extension having a lower expansion ratio to prevent loosening from the piston.

Four prior patents were cited as references, namely: Fenner, 705,058, July 22, 1902; Thomson, 884 539, April 14, 1908; Campbell, 1,264,893, May 7, 1918; Bailey, 1,824,528, September 22, 1931.

It may be said that two other claims, numbered, respectively, 35 and 37, were rejected by the Examiner and were included in the appeal to the Board, which affirmed the Examiner's rejection, but were not included in the appeal to us.

A general description of the device as shown in the rejected claims is given in the statement of the Examiner as follows:

The [alleged] invention covered by the finally rejected claims is directed to a piston for an internal combustion engine having a head separate from the packing ring portion, which latter is provided with a diaphragm like member, with a center support to a gudgeon or piston pin of the usual construction.

The separate head is with the assistance of a bead shrunk onto the periphery of the piston, leaving a dead air space between the head and the diaphragm. The purpose of this is to reduce heat travel from the piston head to the piston diaphragm, and the piston proper.

The patent to Fenner discloses the structure of a piston made up of a single casting but having a dead air space between the piston head and an inner diaphragm. The patent to Campbell discloses a piston having a head of cast iron separately formed secured to a skirt of aluminum, and discusses the shrinking of one metal on another.

Claims 29 and 41 were rejected on Fenner in view of Campbell, it being the view of the tribunals of the Patent Office that Fenner's arrangement meets the provision of the claims for "space to reduce heat travel", while Campbell shows that it is old to form a piston with a separately formed head. The Examiner further held, independently of the references, that "it does not amount to invention to make parts separately that were formerly made integral."

The other reference patents are described by the Examiner as follows:

The patent to Thomson among other features shows a piston made up of two sections, one section provided with packing rings, the other, which is the head of the piston is made up of a more refractory material such as cast nickel or cast iron, and is filled with loose asbestos or a similar filling, which renders it heat insulated from the piston proper. This construction is for the purpose of providing a piston with poor heat transmission quality from the head inward, and into the piston proper. The heat insulated head of the piston, is not in actual contact with the walls of the cylinder.

The patent to Bailey shows a piston, about half of which is provided with packing rings, which slide in a cylinder lining, and not beyond it. The extended portion of the piston enters that portion of the combustion chamber of the cylinder formed by an extension head on the cylinder. The extension head has an inside diameter slightly larger than the engine cylinder, so that the extended portion of the piston does not contact the walls of the extension head.

Claim 36 was rejected upon the combination of Fenner, Campbell, Thomson, and Bailey because the features shown by them were regarded as clearly negativing invention in appellant's device. We deem it unnecessary to apply these features in detail, since their application appears obvious from the respective descriptions given.

[1] [2] Before us appellant has analyzed the references in considerable detail in the effort to show differences between them and his device. It is not questioned that there are differences but we cannot regard them as being inventive, nor is it material that no one of the references in itself shows all the elements defined in the claims. It is a well settled rule that it is proper to combine references and if such combination does not involve the exercise of the inventive faculty, changes made in the elements disclosed in the references in order to effect such combination, if obvious to one skilled in the art, will not render the combination patentable. *In re Clair L. Farrand*, 18 C. C. P. A. (Patents) 1452, 49 F.(2d) 1035, 413 O. G. 559. This is particularly true where, as here, the references are from the identical art to which the application for patent relates.

Appellant has presented some argument to the effect that certain of the references include water cooling mechanism, and that it was the purpose of his construction to avoid water cooling. As to this, it seems sufficient to say that there is nothing in the claims which excludes water cooling, and we are not required to consider features not expressed in the claims.

At a time just prior to the final rejection of the claims by the Examiner appellant proposed an amendment to claim 29. This does not seem to have been considered by the Examiner and the Board held it to be immaterial. It involved substitution of the word "shrunk" for "mounted" with reference to attaching the piston head to the piston. Although this amendment seems never to have been formally entered by any action in the Patent Office, we note that in the official list of claims at the end of the record before us, claim 29 appears in the amended form. We agree with the holding of the Board as to its immateriality.

We come now to another phase of the controversy which involves a question of practice.

The decision of the Board of Appeals above reviewed by us was rendered April 25, 1938, and the appeal, in which three reasons of appeal were stated, was taken to this court on June 10, 1938. On that same date (June 10, 1938) appellant filed before the Board a request for reconsideration in which it was said—

"Applicant elects to further prosecute the application before the Board of Appeals under paragraph 3 of rule 139."

The request for reconsideration did not reargue the merits of claims which had been rejected, but proposed three entirely new claims, numbered, respectively, 42, 43, and 44, and requested their consideration. It may be said that these new claims were drawn along similar lines to claims 29, 36, and 41, respectively, but were stated to differ from the latter—

"in clearly defining the annular clearance space exterior to the skirt portion of the piston head and spacing it from the adjacent annular portion of the top of the piston proper."

On June 16, 1938, the Board denied the petition, saying:

Applicant requests that we consider three new claims. These claims were not before us on appeal and have not been considered by the Examiner. See *Ex parte Moore*, 1923 C. D. 13.

On July 12, 1938, appellant proposed the claims which the Board so refused to consider as an "Amendment under rule 68 [of the Patent Office]", and accompanied the proposal with his affidavit purporting to give reasons why the claim had not been earlier presented. It is noted that the proposal was to cancel all the claims which had been appealed to this court, that is Nos. 29, 36, and 41, and substitute Nos. 42, 43, and 44 therefor.

The Primary Examiner seems to have treated the proposal as a petition that the prosecution of the case be reopened and the claims entered. He discussed the merits of the new matter proposed and held that it was anticipated by a German patent to Montbard-Auynoye, No. 238,193, a translation of which appears in the record, and concluded his holding by saying that the new claims were "not recommended for admission."

The matter seems then to have passed to the jurisdiction of the Commissioner of Patents for whom, on August 18, 1938, a decision denying admission of the amendment was rendered by the Supervisory Examiner, the grounds stated being, in substance, that the Primary Examiner had expressed the opinion that they were unpatentable and that

the affidavit gave no satisfactory reason for the failure to present them earlier.

Thereafter on August 19, 1938, appellant's counsel filed with the Commissioner of Patents a paper, entitled "Supplemental Notice of Appeal", in which was set forth the following:

> Fourth, the Patent Office erred in refusing the admission of the proposed claims 42, 43, and 44 submitted in the amendment under rule 68, paragraph 3 with a supporting affidavit, * * *.

There appears in the record a statement, headed "Decision of Commissioner, September 6, 1938", which reads:

> The paper entitled "Supplement to Notice of Appeal", filed on August 19, 1938, has been placed in the file of the application.
>
> This paper sets forth a ground of appeal in addition to those contained in applicant's notice of appeal to the United States Court of Customs and Patent Appeals which was duly filed on June 10, 1938.
>
> It is observed that this paper was filed after expiration of the limit of appeal from the decisions rendered by the Board of Appeals on April 25, 1938, and June 16, 1938.
>
> Whether the court will consider the additional ground of appeal is a matter to be determined by that tribunal.
>
> JUSTIN W. MACKLIN,
> *First Assistant Commissioner.*

It is proper to say that several extensions of time for filing the record involved in the appeal to this court were granted by the Commissioner, but we find no extension of the time allowed (40 days under Patent Office rule 149) for filing the reasons of appeal.

Appellant has presented argument before us on the merits of the proposed claims but none upon the question of practice at issue.

The Solicitor for the Patent Office has discussed it concisely and helpfully. He first points out that the proposed reason of appeal (which it will be observed alleges that "the *Patent Office* erred (etc.)" [italics ours] is ambiguous in that it is not clear whether it is leveled at the decision rendered by the Board on June 16, 1938, or at that by the Supervisory Examiner (acting for the Commissioner) on August 18, 1938, declining their admission. He also discusses the matter under the alternative assumptions as to its application with citation of authorities.

We think the matter may be disposed of without elaborate discussion.

[3] [4] First, it is our view that there was no error on the part of the Board in its decision of June 16, 1938, supra. While the fourth paragraph of Patent Office rule 139 clothes the Board with authority to include in its decision a statement that a patent "may be granted in amended form" and makes this "binding on the Primary Examiner in the absence of new references or grounds of rejection", there is nothing in the rule which makes such action mandatory on the part of the Board. It is a matter peculiarly within the Board's discretion. In the instant case the proposed claims were not brought forward until after the decision of the Board on the merits of the other claims, and the proposal was not even accompanied by an affidavit. That was not executed until July 12, 1938, and was never before the Board. Aside from what the Board did, or might have done, however, we are not at liberty, under the facts here appearing, to consider the claims upon their merits in this appeal. See *In re Irving L. Stern*, 17 C. C. P. A. (Patents) 1234, 40 F.(2d) 1000 401 O. G. 235. It may be remarked that, in addition to other factors appearing in the case, if the matter here be treated as an attempted appeal from the June 16, 1938, decision of the Board, it was not timely under Patent Office rule 149, it not having been proposed until August 18, 1938.

[5] Second, considering the issue from the standpoint of an attempted appeal from the decision of the Commissioner, it might be said that, even assuming such an appeal may be taken to this court, no tangible reasons have been presented as to why there was error in the refusal to admit the claims, and we might very properly decline to consider them on that ground. However, this aside, it is our view that under the jurisdiction defined by the statute for this court, we are without authority to entertain an appeal from a decision of the Commissioner in a matter of the nature here involved. In the case of *In re Aristote Mavrogenis*, 19 C. C. P. A. (Patents) 1063, 57 F.(2d) 361, 421 O. G. 547, the jurisdiction of this court in appeals in ex parte patent cases was fully discussed and our reasoning there is applicable here.

The appeal is dismissed so far as it involves proposed claims 42, 43, and 44.

The decision of the Board of Appeals is affirmed as to claims 29, 36, and 41.

U. S. Court of Customs and Patent Appeals

GENERAL FOODS CORP.
v.
CASEIN COMPANY OF AMERICA, INC.

No. 4,195. Decided December 26, 1939

[108 F.(2d) 261]

1. TRADE-MARKS—OPPOSITION—GOODS OF THE SAME DESCRIPTIVE PROPERTIES—"DRY SKIMMED MILK" AND "PECTIN PRODUCTS".

   Dry skimmed milk *Held* to possess the same descriptive properties as a pectin product for making jams and jellies.

2. SAME—SAME—SIMILARITY OF MARKS—"CERTORA" AND "CERTO".

   Trade-mark "Certora" for use on dry skimmed milk *Held* confusingly similar to opposer's trade-mark "Certo" used on goods of the same descriptive properties, and *Held* that the opposition based thereon should have been sustained.

APPEAL from Patent Office. Reversed.

Mr. Mansfield C. Fuldner and *Mr. Thomas L. Mead, Jr.*, for General Foods Corp.

Mr. Maxwell Barus for Casein Company of America, Inc.

JACKSON, *J.*:

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences and holding that appellee is entitled to the registration of the trade-mark "Certora" for use on "dry skimmed milk."

In its application appellee alleges use by it of the said trade-mark since July 6, 1936.

In its notice of opposition appellant alleges that it and its predecessors have continuously used, since

on or about March 25, 1921, the trade-mark "Certo" as applied to a pectin product for making jams and jellies and that the product so marked has been extensively advertised and widely sold throughout the United States; that its said trade-mark has acquired and continues to have great value.

The said mark "Certo" has been duly registered in the United States Patent Office as follows:

No. 152,479, February 28, 1922.
No. 152,937, March 7, 1922.
No. 228,213, May 24, 1927.

The notice of opposition alleges that the word "Certora" so nearly resembles the registered mark "Certo" as to be likely to cause confusion and mistake in the mind of the public and to deceive purchasers and further alleges that the registration of appellee's mark applied to "dry skimmed milk" which is a food product and goods of the same descriptive properties as those of appellant would be injurious to appellant. These allegations are denied by appellee's answer.

Testimony was taken by both parties. The record shows that the goods of appellant consist of liquid fruit pectin put up in small bottles and intended for retail sale for household use in the making of jams and jellies. The pectin of appellant is a product obtained from apples, and when it is added to the substances from which jellies and jams are made, the jellies "jell" and the jams "jam" more easily.

The testimony of appellee shows that the merchandise to which its trade-mark is applied is a form of dry skimmed milk in powder form made by the "roller" process. The said product made by this process is claimed to possess properties which are not possessed by dry skimmed milk in powder form made from other processes such as the "spray" process. It was testified that the "roller" process dry skimmed milk is not suitable for ordinary household use because of the fact that it is not entirely soluble and it would be difficult for a woman to handle it. It is sold solely through the sales organization of appellee and only in 200-pound barrels. The sales are made directly to consumers which are, for the greater part, the baking industry for use in making bread, and, to a lesser extent, milk chocolate manufacturers. The record further shows that during the World War appellee sold a "spray" process skimmed milk in one-pound packages for household consumption. These sales were discontinued shortly after the war for the reason that the demand was insufficient for the product. It may be, however, that the insufficiency of demand might have been caused by trade conditions, as it appears to be indicated in the record that dry skimmed milk made by the "spray" process is probably suitable for household use. The description of the goods as shown in the application to be "dry skimmed milk" was believed by the Examiner to be controlling upon the question of the identity of the goods of appellee, here in issue, sold under the trade-mark "Certora."

Upon the record the Examiner stated as follows:

> Nevertheless, the differences in the specific characteristics of the respective goods and the differences in the marks are here deemed to be cumulative. The Examiner is persuaded that the cumulative effect of these differences is sufficient to justify the conclusion that the marks may be honestly used in trade by the parties without any reasonable likelihood of confusion. The record seems to show that the applicant adopted and has used the mark it seeks to register in good faith and it must be here presumed that it will continue to be honestly used by the latter.

In accordance with his above quoted reasons, the Examiner of Interferences held that appellee is entitled to the registration for which it applied.

The decision of the Commissioner held that the marks of the parties are obviously quite similar but that the respective goods are not of the same descriptive properties, citing as authority *B. F. Goodrich Co.* v. *Hockmeyer et al.*, 17 C. C. P. A. (Patents) 1068, 40 F.(2d) 99, 394 O. G. 795, and for this reason the decision of the Examiner of Interferences was affirmed.

We agree with the Commissioner that the words "Certo" and "Certora" are quite similar, but in view of the wording of the application we cannot hold that the goods to which "Certora" may be applied are not of the same descriptive properties as those to which "Certo" is applied.

It may be, as was held by the Commissioner, that dry skimmed milk made by the "roller" process, sold directly to the baking and milk chocolate trade in 200-pound barrels, does not possess the same descriptive properties as the goods of the appellant. But appellee in its application does not limit the use of the word "Certora" to such merchandise. As the application is worded the trade-mark sought to be registered could be applied to dry skimmed milk made by any process, including that made by the "spray" process. Goods of appellee made by the last mentioned process have been put up in one-pound packages and sold in retail grocery stores for household use. It is not shown in the record that the sale of the small package of "spray" process dry skimmed milk was discontinued because of inherent characteristics of the powder or that it was in any manner unsuitable for household use.

[1] We are of the opinion that the dry skimmed milk powder which was sold in grocery stores possesses the same descriptive properties as the goods of the appellant to which the word "Certo" is applied. Both are food products; both were apparently sold in the same stores to the same class of consumers; both were inexpensive and put up in small containers. Since the words "Certo" and "Certora" are similar in appearance and sound, and since the "spray" process skimmed milk product is of the same class and possesses the same descriptive properties as the goods of the appellant, it is our opinion that confusion as to their origin would be likely and purchasers could be misled or deceived.

The proposed registration includes no restrictions as to the size or type of containers, the class of purchasers to be reached, or the manner of sale. It would, in our opinion, have been a simple matter to so draft the application of appellee that the word "Certora" would be applied to "roller" process skimmed milk, sold in bulk to the baking and choco-

late making industry, if it had been the intention of the appellee to confine the application of its trade-mark to that kind of merchandise. Such was evidently not the intention.

On the record here, if registration were granted appellee would obtain all the advantages accruing to the registration of its trade-mark, not only in marketing its "roller" process dry skimmed milk powder in the manner and form in which it does, but also in marketing dry skimmed milk made by "spray" or any other process and in any kind or size of container, including a bottle.

[2] The scope of use of the word "Certora" as set forth in the application, together with a careful examination of the record and the briefs and authorities cited, convinces us that the goods as described in appellee's application and the goods of appellant possess the same descriptive properties and since the words "Certo" and "Certora" are obviously quite similar, in our judgment the opposition of appellant should have been sustained. The decision of the Commissioner of Patents is therefore reversed.

Reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,310,389, F. A. Cerruti, Aeroplane, C. C. A., 6th Cir., Doc. 8223, *F. A. Cerruti* v. *Stinson Aircraft Corp.* Claims 25 and 26 held invalid Apr. 4, 1940.

1,558,922, J. S. Reilly, Ice cream sundae cone, D. C., N. D. Ill., Doc. 253, *D. A. Boyle et al.* v. *Northwest Cone Co. et al.* Patent held valid; Northwest Cone Co. infringed and injunction; deft. Shapiro dismissed with prejudice Jan. 8, 1940.

1,566,864, L. C. Hauer, Die holder, D. C., N. D. Ill., Doc. 656, *Pannier Bros. Stamp Co., Inc.*, v. *Quality Die Co.* Claims 4 and 5 held invalid, not infringed Feb. 14, 1940.

1,830,768, I. M. Rod, Art of making garments, D. C., E. D. Pa., Doc. 7829, *Rokap Corp.* v. *Spector Bros., Inc.* Dismissed under rule of court Feb. 8, 1940.

1,837,746, V. K. Zworykin, Photo-electric tube, D. C., E. D. Pa., Doc. 9771, *Nakken Patents Corp.* v. *Westinghouse Electric & Mfg. Co. et al.* Dismissed by judgment Mar. 11, 1940.

1,887,926, S. Fox, Combination garment, filed Mar. 28, 1940, D. C., S. D. N. Y., Doc. 8–115 Civ., *S. Fox* v. *Saqui & Co., Inc.*

1,906,373, A. Garbarini, Autocollinating reflector, D. C., N. D. Ill., Doc. 568, *Western Cataphote Corp.* v. *Johnson Glass Co. et al.* Dismissed without prejudice by stipulation Nov. 15, 1939.

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2,016,168, D. M. Clark, Elastic fabric, D. C., R. I. (Providence), Doc. 19 Civ., *David Clark Co., Inc.*, v. *Ladifabrics, Inc.* Final consent decree in favor of plaintiff. (Notice Mar. 28, 1940.)

2,064,425, J. Gottfried, Coin assorting and selecting mechanism, D. C., N. D. Ill., Doc. 865, *B & G Coin Selectors, Inc.*, v. *A. B. T. Mfg. Co.* Consent decree holding patent valid and infringed Dec. 7, 1939.

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2,100,254, B. C. Kridler, Clip for fastening roofing, D. C., E. D. Mich., S. Div., Doc. 1099, *Seal All Clip Co.* v. *Philip Carey Mfg. Co. et al.* Consent decree for plaintiff (Notice Apr. 8, 1940.)

2,101,589, R. S. MacLean, Building corner units, filed Mar. 2, 1940, D. C., N. D. Ill., Doc. 1444, *Mastic Asphalt Corp.* v. *Gold Seal Asphalt Roofing Co. et al.*

2,127,451, E. W. Scripture, Jr., Hardening and waterproofing composition for concrete or mortar, D. C., E. D. Mich., S. Div., Doc. 1277, *Master Builders Co.* v. *Truscon Laboratories, Inc.* Consent judgment for plaintiff. (Notice Mar. 27, 1940.)

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Re. 20,898, A. A. Schabinger, Device for basket ball games, D. C., N. D. Ill., Doc. 255, *A. A. Schabinger* v. *Boston Store of Chicago, Inc.* Dismissed; claims 5, 6, and 7 infringed if valid but "no invention in patent and it is invalid as to claims 5, 6, and 7", Jan. 26, 1940.

Re. 21,247, W. K. Henning, Socket, filed Feb. 7, 1940, D. C., N. D. Ill., Doc. 1350, *Hugh H. Eby, Inc.*, v. *National Fabricated Products, Inc., et al.*

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Des. 109,395, I. M. Footlik, Display cabinet or similar article, D. C., N. D. Ill., Doc. 597, *I. M. Footlik* v. *C. V. Hill & Co., Inc.* Dismissed by stipulation Dec. 21, 1939.

Des. 109,647, C. A. Rowley, Egg beater or similar article, filed Apr. 3, 1940, D. C., E. D. N. Y., Doc. 1015 Civ., *C. A. Rowley* v. *P. Tresenberg et al.*

Des. 110,387, J. F. Eppenstein, Chair, filed Feb. 27, 1940, D. C., N. D. Ill., Doc. 1406, *J. F. Eppenstein* v. *Great Northern Chair Co.*

Des. 112,325, S. Wicha, Dress, D. C., S. D. N. Y., Doc. 1–424 Civ., *S. Wicha, Inc.*, v. *Formal Dresses Inc. et al.* Final decree. (Notice Mar. 27, 1940.)

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Des. 116,124, S. Novak, Dress ensemble, D. C., N. D. Ill., Doc. 1013, *S. Novak* (*Flora Dress Co.*) v. *F. Schopp* (*Fancy Frocks Shop*). Patent held valid, infringed; injunction Feb. 13, 1940.

Des. 117,070, J. S. Madsen, Tablecloth or similar article, filed Mar. 25, 1940, D. C., S. D. N. Y., Doc. 8–76 Civ., *L. Weil et al.* (*Weil & Durrse*) v. *N. J. Richman Co., Inc.*

Des. 118,541, S. Richman, Dress ensemble, filed Mar. 29, 1940, D. C., S. D. N. Y., Doc. 8–153 Civ., *S. Richman* v. *Berell Frocks Co., Inc.*

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Des. 119,121, L. Zahn, Dress, filed Mar. 25, 1940, D. C., S. D. N. Y., Doc. 8–78 Civ., *International Dress Co., Inc.*, v. *L. Kalika et al.*

Des. 119,134, S. Novak, Dress ensemble, filed Mar. 29, 1940, D. C., S. D. N. Y., Doc. 8–126, *J. White et al.* (*Flora Dress Co.*) v. *M. Sprayregen* (*Clover Frocks*).

Des. 119,135, S. Novak, Dress ensemble, filed Feb. 23, 1940, D. C., N. D. Ill., Doc. 1398, *S. Novak et al.* (*Flora Dress Co.*) v. *Grayson's Inc.*

Des. 119,136, S. Novak, Dress ensemble, filed Feb. 23, 1940, D. C., N. D. Ill., Doc. 1397, *S. Novak et al.* (*Flora Dress Co.*) v. *B. Munves.*

Des. 119,351, A. Tabin, Textile fabric, filed Apr. 1, 1940, D. C., W. D. Pa., Doc. 850–Civ., *Tabin-Picker & Co.* v. *J. Goldstein et al.* (*Goldstein & Levin*).

Des. 119,579, A. Ruchman, Dress, filed Mar. 28, 1940, D. C., S. D. N. Y., Doc. 8–98 Civ., *Apex Dress Co., Inc.*, v. *Rona Dresses, Inc.* Doc. 8–99 Civ., *Apex Dress Co., Inc.*, v. *Pepy Frocks Inc.* Doc. 8–100 Civ., *Apex Dress Co., Inc.*, v. *Central Dress, Inc.*

T. M. 132,013, Libby, McNeil & Libby, Food products, D. C., N. D. Ill., E. Div., Doc. 1413, *Libby, McNeil & Libby* v. *P. Libby et al.* (*Libby's*). Consent decree enjoining defendants Mar. 26, 1940.

T. M. 223,538, E. T. Colburn, Pie dough, D. C., N. D. Ill., Doc. 2–Civ., *E. T. Colburn* v. *Puritan Mills, Inc., et al.* Dismissed for want of equity by decree of District Court, Jan. 24, 1939. Mandate U. S. C. C. A. affirming District Court Jan. 5, 1940.

T. M. 283,831, Dr. Miles Medical Co., Anti-acid effervescent preparations, D. C., N. D. Ill., Doc. 1365, *Miles Laboratories, Inc.*, v. *I. Rosenblot et al.* (*Silver Rail Tavern*). Final consent decree enjoining defendants Mar. 26, 1940.

Disclaimers

1,773,967.—*Camille Dreyfus*, New York, N. Y. PROCESS OF CUTTING FABRIC AND PRODUCT THEREOF. Patent dated August 26, 1930. Disclaimer filed May 24, 1940, by the assignee, *Celanese Corporation of America.*

Hereby enters this disclaimer to said specification as follows:

It disclaims from the scope of claim 1 the use of a fabric composed at least in part of a liquefiable material except where the part composed of such liquefiable material is in the form of yarns, threads or filaments.

It disclaims from the scope of claims 2, 5, 8, and 10 the use of a fabric composed at least in part of a thermoplastic derivative of cellulose except where the part composed of such thermoplastic derivative of cellulose is in the form of yarns, threads or filaments.

It disclaims from the scope of claims 3 and 6 the use of a fabric composed at least in part of an organic derivative of cellulose except where the part composed of such organic derivative of cellulose is in the form of yarns, threads or filaments.

It disclaims from the scope of claims 4, 7, 9, and 11 the use of a fabric composed at least in part of cellulose acetate, except where the part composed of such cellulose acetate is in the form of yarns, threads or filaments.

It disclaims from the scope of claims 12 and 18 any fabric containing thermoplastic derivatives of cellulose except where such thermoplastic derivative of cellulose is in the form of yarns, threads or filaments forming at least part of such fabric.

It disclaims from the scope of claim 13, any fabric other than fabric composed at least in part of thermoplastic derivatives of cellulose in the form of yarns, threads or filaments.

It disclaims from the scope of claims 14, 16, and 19 any fabric composed at least in part of a thermoplastic derivative of cellulose, except where the part composed of such thermoplastic derivative of cellulose is in the form of yarns, threads or filaments.

It disclaims from the scope of claims 15 and 17 any fabric composed at least in part of cellulose acetate, except where the part composed of such cellulose acetate is in the form of yarns, threads or filaments.

1,807,996.—*Nicholas W. Mathey*, Boston, Mass. TRIMMING MACHINE. Patent dated June 2, 1931. Disclaimer filed May 20, 1940, by the patentee.

Hereby enters this disclaimer to claims 5 and 40 of said Letters Patent, and to that part of the specification, page 2, lines 90 and 91 which is in the following words, to wit: "the latter in fact acting more or less as a fixed or ledger blade."

1,975,851.—*James Lewis Kimball*, Danvers, Mass. PRESSURE AND TEMPERATURE CONTROL SWITCH. Patent dated October 9, 1934. Disclaimer filed May 20, 1940, by the assignee, *Ruggles-Klingemann Mfg. Co.*

Hereby enters this disclaimer of claims 7 and 9 of said patent.

2,007,144.—*Howard S. Nutting*, *Peter S. Petrie*, and *Myron E. Huscher*, Midland, Mich. METHOD OF MAKING ETHYLIDENE CHLORIDE. Patent dated July 2, 1935. Disclaimer filed May 22, 1940, by the assignee, *The Dow Chemical Company.*

Hereby enters this disclaimer to the claims in said specification and to that portion of the descriptive matter in said specification to wit:

Claim 6 in its entirety;

From the scope of claims 1, 2, 3, 4, and 5, the use of the method therein claimed in a continuous process wherein ethylidene chloride is distilled from the reaction mixture as it is formed.

From the descriptive portion of the specification, page 2, first column, beginning in line 4—

"A convenient mode of operation is to mix the aluminum or ferric chloride catalyst with ethylidene chloride, pass hydrogen chloride and vinyl chloride simultaneously into the mixture, and distill the ethylidene chloride product directly from the reaction mixture either periodically or as it is formed. Any hydrogen chloride and vinyl chloride which pass through the mixture without reacting may readily be separated from the product and recycled in the process. By operating in such manner, the process is made continuous and the quantity of catalyst required to produce a given quantity of ethylidene chloride is reduced materially."

2,139,562.—*Neil D. Preston*, Rochester, N. Y. CENTRALIZED TRAFFIC CONTROLLING SYSTEM. Patent dated December 6, 1938. Disclaimer filed May 18, 1940, by the assignee, *General Railway Signal Company.*

Hereby enters this disclaimer as to claims 7 and 12 of said Letters Patent:

and hereby disclaims from claims 1, 2, 4, and 16 any

system for centralized traffic indication, except wherein during each and every indication cycle of operation of the system either indications of the conditions of "traffic controlling devices" (switches and/or signals) only and exclusive of indications of the occupancy of "track sections", or indications of the occupancy of "track sections" only and exclusive of indications of the conditions of "traffic controlling devices" can be transmitted;

and hereby disclaims from claim 5 any system for centralized traffic indication, except wherein during each and every indication cycle the "group of traffic governing devices" the indications of which devices are transmitted include either indications of conditions of track switches and/or signals only and exclusive of indications of the occupancy of track sections, or indications of the occupancy of track sections only and exclusive of indications of the conditions of switches and signals.

2,140,097.—*Victor V. Vacquier,* Oakmont, Pa. ROCK SAMPLING METHOD. Patent dated December 13, 1938. Disclaimer filed May 17, 1940, by the assignee, *Gulf Research & Development Company.*

Hereby disclaims from said patent, claims 1, 2, 3, and 5, and disclaims from claim 6 any interpretation thereof wherein the charge of magnetically susceptible material introduced into the rock is not put temporarily into a non-magnetic condition, before or after its introduction into the rock.

Changes in Classification

Order No. 3,511, June 1, 1940, directs:

In *class 23, Chemistry* (Division 59), abolish the following subclasses with their definitions:

Compositions
- 6 Gas generating,
- 7 Nitrogen and hydrogen mixtures,
- 8 Fire extinguishing
  - 9 Fluid
    - 10 Coacting,
    - 11 Foam developing,
    - 12 Nonaqueous
    - 13 Nonfreezing.

Catalysts
- 234 Oxidation
  - 235 Ignition,
- 236 Hydrogenation,
- 237 Synthesis,
- 238 Revivification.

The patents formerly contained in these subclasses have been placed for the most part in class 252, Compositions, established in this order.

In Division 64, abolish class 87, Oils, Fats and Glue, with its subclass titles, the patents having been placed for the most part in class 252, Compositions, established in this order.

In *class 109, Safes, Bank Protection and Related Devices* (Division 20), abolish the following subclass with its definition:

Wall structures, closures, and closure adjuncts
- Walls
  - S6 Fillings and compositions.

The patents formerly contained in this subclass have been placed for the most part in class 252, Compositions, established in this order.

In *class 183, Gas Separation* (Division 32), abolish the following subclass with its definition:

Deaerating liquids
- 2.6 Foam breakers.

The patents formerly contained in this subclass have been placed for the most part in class 252, Compositions, established in this order.

In *class 196, Mineral Oils* (Division 31), abolish the following subclass with its definition:

Dehydrating oil
- 6 With centrifuging.

The patents formerly contained in this subclass have been placed for the most part in class 252, Compositions, established in this order.

In *class 202, Distillation* (Division 64), abolish the following subclass with its definition:

Processes
- Separatory
  - Products of distillation
    - 77 Denatured alcohol.

The patents formerly contained in this subclass have been placed for the most part in class 252, Compositions, established in this order.

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), subclass 6, note (1), cancel "87, Oils, Fats and Glue, subclass 9" and substitute *252, Compositions*; in subclass 78, in the definition change "class 87, Oils, Fats and Glue, subclasses 5 and 16" to *class 252, Compositions*; in subclass 82, in the note cancel "class 252, Substance Preparation, subclasses 1 and 6" and substitute *class 252, Compositions*; in subclass 101, in note (3), in both instances cancel "87, Oils, Fats and Glue, subclass 5" and substitute *class 252, Compositions*; in subclass 133, note (5), cancel "class 87, Oils, Fats and Glue, subclass 5" and substitute *class 252, Compositions*; in subclass 137, note (3), cancel "class 87, Oils, Fats and Glue, subclasses 5 and 16" and substitute *class 252, Compositions;* and in subclass 143, note (2), cancel "252, Substance Preparation, subclasses 1 and 6" and substitute *252, Compositions.*

In *class 15, Brushing, Scrubbing and General Cleaning* (Division 27), subclass 122, cancel existing note (2) and substitute:

(2) Note.—See class 252, COMPOSITIONS, for detergents, boiler-scale removing, or soap-containing compositions;

and in subclass 269 number the existing note (*1*) and add:

(2) Note.—See class 51, ABRADING, appropriate subclasses, for apparatus, and subclass 281 and indented subclasses, for abrading processes for apparatus and processes for cleaning by use of abrasives, including abrasives propelled by a fluid blast, where no detergent is used.

(3) Note.—See class 148, METAL TREATMENT, appropriate subclasses, for cleaning processes combined with metal treating steps and subclass 8 for processes of metal cleaning involving the use of an acid even though the operations of this class (15) are involved.

(4) Note.—See class 141, WASHING APPARATUS, for miscellaneous processes of cleaning involving the use of detergents when the operations of this class (15) are not claimed.

(5) Note.—See class 252, COMPOSITIONS, for detergent compositions and for cleaning processes involving the mere use of a detergent, even though the thing or surface cleaned be specified.

In *class 18, Plastics* (Division 15), main class definition, in the third paragraph cancel "oils and fats (class 87, Oils, Fats and Glue)" and substitute *soap (class 252, Compositions).*

In *class 23, Chemistry* (Division 59), in the main class definition add the following notes:

(9) Note.—Colloid systems, colloidally dispersed substances, dry compositions containing one substance and an agent for stabilizing colloidal dispersion thereof in any other substance, processes of making the same and mere processes of separating substances from other materials, or producing substances in a very finely-divided state, which include formations of a colloid system are not classified here (class 23); for such products or processes search class 252—COMPOSITIONS, when the products are not specified as being for any particular purpose. Claims for products that are merely compounds or elements, respectively, in a finely divided or so-called colloidally divided state and for no particular or special purpose are not classified in class 252; for such cases search where the particular compound or element is classifiable.

(10) **Search Class—**

252—COMPOSITIONS, for fire-extinguishive or catalytic compositions, adsorbents, exfoliated vermiculite or analogous substances, gaseous mixtures, water softening or purifying compositions, analytical, testing or indicating compositions, chemical agents, water bindive or emissive agents or other compositions, or processes of making them;

in subclasses 3 and 4 cancel "252, Substance Preparation, subclass 2.5" and substitute:

252—COMPOSITIONS, for gas purifying agents;

in subclass 110 add the following note:

Search Class—

252—COMPOSITIONS, subclass 378, for exfoliated vermiculite or analogous substances or processes of making them;

in subclass 161, cancel the existing note and substitute:

Note.—See class 252, COMPOSITIONS;

in subclass 198 cancel the existing note and substitute:

Note.—See class 252, COMPOSITIONS, for N and H mixtures or processes of making them;

in subclass 209 in the note cancel "252, Substance Preparation, subclass 8" and substitute *252, Compositions;* in subclass 224 cancel the existing note and substitute:

Search Class—

252—COMPOSITIONS, for sulphur sols, colloidally dispersed sulphur, or sulphur plus a dispersing agent, or processes of making the same by whatever method, also processes of making sulphur in a finely-divided state or separating sulphur from other materials which include formation of colloid systems but not for finely-divided sulphur;

in subclass 244 cancel the note; and in subclass 246 cancel note (2) and substitute:

(2) Note.—See class 252, COMPOSITIONS, for adsorbents or solid absorbents.

In *class 26, Textiles, Cloth Finishing* (Division 21), subclass 19, cancel "See also class 87, Oils, Fats and Glue, subclasses 5 and 16, for soaps adapted to be used for fulling" and substitute:

Class 252, COMPOSITIONS, for soaps, detergents or processes of making them.

In *class 29, Metal Working* (Division 13), subclass 81, note (2), cancel the reference to class 87, Oils, Fats and Glue and add at the end of the note:

252—COMPOSITIONS, for compositions for removing boiler scale or analogous scale, detergents or processes of making the same.

In *class 31, Dairy* (Division 2), main class definition, in the note cancel "252, Substance Preparation" and substitute *252, Compositions.*

In *class 44, Fuel and Igniting Devices* (Division 64), in the main class definition add under "Search classes":

252—COMPOSITIONS, subclass 70, for non-combustion thermostatic or thermophoric compositions.

In *class 48, Gas Heating and Illuminating* (Division 59), subclass 193, in the note add:

252—COMPOSITIONS, subclasses 68 and 379.

In *class 51, Abrading* (Division 58), in subclass 293, note (2), lines 7 and 14, change "87, Oils, Fats and Glue" to *252, Compositions*; and in subclass 307, note (2), cancel "class 252, Substance Preparation, subclass 8" and substitute *252, Compositions.*

In *class 62, Refrigeration* (Division 44), in the main class definition add under "Search classes":

252—COMPOSITIONS, for refrigerating compositions.

In *class 68, Textiles, Fluid Treating Apparatus* (Division 27), main class definition, in the fifteenth paragraph cancel "87, Oils, Fats and Glue" and substitute *252, Compositions*; and in subclass 18 cancel note (5) and substitute:

(5) Note.—See also classes 34, DRIERS, and 183, GAS SEPARATION.

In *class 88, Optics* (Division 7), subclass 114, in note (4) cancel "252, Substance Preparation" and substitute *252, Compositions.*

In *class 92, Paper Making and Fiber Liberation* (Division 56), subclass 20, in note (2) cancel "87, Oils, Fats and Glue, subclass 16" and substitute *252, Compositions, subclasses 367–371*; and in subclass 37 cancel the reference to class 87, Oils, Fats and Glue, and add:

252—COMPOSITIONS, subclasses 367–371.

In *class 99, Foods and Beverages* (Division 63), subclass 220, in note (1) cancel "23, Chemistry, subclass 233" and substitute *252, Compositions*; in subclass 264, in note (1) cancel "class 252, Substance Preparation, subclass 6" and substitute:

for general or miscellaneous processes of emulsification or apparatus or agents therefor, search class 252—COMPOSITIONS;

and in subclass 268, in the note cancel "see class 252, Substance Preparation, subclass 6" and substitute:

or apparatus or agents therefor, search class 252—COMPOSITIONS.

In *class 106, Plastic Compositions* (Division 38) in subclass 12 number the existing note (*1*) and add:

(2) **Search Class—**

252—COMPOSITIONS, subclass 63 and indented subclasses, for non-plastic dielectric or electrically insulating compositions;

and in subclass 18 number the existing note (*1*) and add:

(2) **Search Class—**

252—COMPOSITIONS, subclass 62, for non-plastic heat or sound insulating compositions.

In *class 109, Safes, Bank Protection and Related Devices* (Division 20), in subclass 84 cancel the existing note and substitute:

Search Classes—

106—PLASTIC COMPOSITIONS, for filling compositions that are plastic, setted or settable.

252—COMPOSITIONS, subclass 62, for heat insulating fillings.

In *class 122, Liquid Heaters and Vaporizers* (Division 46), in the main class definition, in note (5) cancel the reference to class 87, Oils, Fats and Glue, and add:

252—COMPOSITIONS, for compositions for removing scale from, or otherwise cleaning or inhibiting formation of scale in, steam boilers or other water containers;

and in subclass 379 at the end of the definition add:

In general, this subclass and indented subclasses take cleaning apparatus combined with boiler structure and cleaning processes combined with steps of boiler operation, for example, such operations as are provided for below under the titles "Blow-off" and "Trapped circuit". It also takes apparatus and processes per se for cleaning boilers not elsewhere provided for;

in note (2) cancel the reference to classes 15, Brushing, Scrubbing, and General Cleaning, and 87, Oils, Fats and Glue, and substitute:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, appropriate subclasses, for cleaning apparatus, and subclass 269, for cleaning processes which involve at least one of the following means or operations: A gas blast or vacuum, brushing, beating, scraping, shaking, wiping, shotting, the use of a squeegee, with or without detergents.

141—WASHING APPARATUS, for cleaning apparatus and processes utilizing detergents.

148—METAL TREATMENT, appropriate subclasses, for metal cleaning processes (1) of any kind combined with other metal treating steps or (2) subclass 8 for metal cleaning processes involving the use of an acid.

252—COMPOSITIONS, for boiler compounds or mixtures and chemicals for introducing into boilers for preventing the formation of scale or for removing the scale from the boiler when formed, and processes involving the mere use of the composition even though the thing or surface treated be specified.

257—HEAT EXCHANGE, subclass 1, for apparatus for and method of cleaning heat exchangers.

In *class 123, Internal Combustion Engines* (Division 28), subclass 198, number the existing note (*1*) and add:

(2) Note.—This subclass has, among other things, cleaning apparatus and processes for internal combustion engines. For the most part it takes cleaning apparatus combined with the internal combustion engine and cleaning processes combined with steps of internal combustion engine operation, but also takes cleaning apparatus and processes per se for internal combustion engines not elsewhere provided for. Attention is called to the following classes:

15—BRUSHING, SCRUBBING AND GENERAL CLEANING, for appropriate subclasses for cleaning apparatus, and subclass 269 for processes which involve at least one of the following means or operations: A gas blast or vacuum, brushing, beating, scraping, wiping, shotting, the use of a squeegee, with or without a detergent.

141—WASHING APPARATUS, for cleaning apparatus and processes utilizing detergents.

148—METAL TREATMENT, appropriate subclasses, for metal cleaning processes (1) of any kind combined with other metal treating steps or (2) subclass 8 for metal cleaning processes involving the use of an acid.

252—COMPOSITIONS, for detergent compositions and for cleaning processes involving the mere use of a detergent even though the thing or surface cleaned be specified.

In *class 125, Stone Working* (Division 38), in the main class definition add the following note:

(8) Note.—See class 141, WASHING APPARATUS, subclass 1, for processes of cleaning stone and brick by detergent action;

and in subclass 26 add the following note:

Note.—See class 141, WASHING APPARATUS, subclass 1, for processes of cleaning brick by detergent action.

In *class 126, Stoves and Furnaces* (Division 19), subclass 263, number the existing note (*1*) and add:

(2) **Search Class—**
252—COMPOSITIONS, subclass 70, for non-combustion thermostatic or thermophoric compositions or processes of making them.

In *class 127, Sugar, Starch and Carbohydrates* (Division 43), subclass 55, cancel "252, Substance Preparation" and substitute *252, Compositions.*

In *class 134, Liquid Coating Compositions* (Division 64), in the main class definition add:

(4) **Search Class—**
252—COMPOSITIONS, for lubricants or separatants for moving solid surfaces, detergents or dust- or particle-adherent compositions;

in subclass 24 cancel the existing note and substitute:

Search Class—
252—COMPOSITIONS, for compositions for cleaning;

and in subclass 27 add:

Search Class—
252—COMPOSITIONS, subclass 70, for frost-preventing or ice-thawing compositions.

In *class 138, Pipes and Tubular Conduits* (Division 52), subclass 34, change "Substance Preparation" to *Compositions.*

In *class 148, Metal Treatment* (Division 3), subclass 8, cancel the existing definition and notes and substitute:

8. Processes under subclass 4 limited to cleaning the surface of solid metal and involving the use of an acid (organic or inorganic).
(1) Note.—See this class, subclass 5, for processes of removing metal coatings from scrap metal.
(2) Note.—See this class, subclass 6 and indented subclasses, for cleaning combined with metal coating when the metal surface coated furnishes a constituent of the coating, and class 91, COATING, subclass 68 and indented subclasses, for other combined cleaning and coating processes.
(3) Note.—See other subclasses of this class for cleaning combined with other metal treating operations.
(4) Note.—See class 75, METALLURGY, subclass 97 and indented subclasses, for processes involving solution of the metal.
(5) Note.—Compare classes 29, METAL WORKING, subclass 81; 41, ORNAMENTATION, subclass 42; and 204, ELECTROCHEMISTRY, subclass 7.
(6) Note.—See class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, for metal cleaning processes not utilizing acids and also processes utilizing an acid when disclosed for, but as claimed not limited to, metal and involving at least one of the following operations: Brushing, wiping, scraping, shotting, utilizing a gas blast or vacuum, beating, shaking, or the use of a squeegee, with or without a detergent.
(7) Note.—See class 141, WASHING APPARATUS, for cleaning processes involving the use of non-acid detergents, and also processes utilizing acid detergents when the process as claimed is not limited to metal even though metal is disclosed.
(8) Note.—See class 252, COMPOSITIONS, for pickling agents and other detergent compositions and cleaning processes involving the mere use of a detergent, even though the thing or surface cleaned be specified;

and in subclass 22 cancel the existing note and substitute:

Note.—For pickling compositions, search this class, subclass 8, and class 252, COMPOSITIONS.

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 56), subclass 44, cancel the reference to class 109, Safes, Bank Protection and Related Devices, and add:

252—COMPOSITIONS, subclass 62.

In *class 159, Concentrating Evaporators* (Division 46), subclass 29, cancel the reference to class 87, Oils, Fats and Glue and add:

252—COMPOSITIONS, subclass 371;

and in subclass 31 cancel the reference to class 183, Gas Separation, and add:

183—GAS SEPARATION, subclass 3; 252, COMPOSITIONS, subclasses 321 and 361.

In *class 167, Medicines, Poisons and Cosmetics* (Division 43), subclass 13, in note (4) cancel "and class 252, Substance Preparation, subclass 2" and add:

See class 252, COMPOSITIONS, for adsorbents or absorbents for removing poisons from air or other gases;

and in note (5) cancel "87, Oils, Fats and Glue" and substitute *252, Compositions*; in subclasses 42 and 43, in note (2) of each, cancel "252, Substance Preparation, subclass 6" and substitute *252, Compositions*; and in subclass 85 cancel note (2) and substitute:

(2) Note.—See class 252, COMPOSITIONS, for soaps, including shaving soaps, which do not contain any medicinal agent other than antiseptics, germicides, insecticides or biocides.

In *class 169, Fire Extinguishers* (Division 46), in the main class definition cancel note (3) and substitute:

(3) **Search Class—**
252—COMPOSITIONS, for compositions for use in extinguishing fires.

In *class 174, Electricity, Conductors and Insulators* (Division 65), in the main class definition, in note (1), line 3, cancel the reference to class 252, Substance Preparation; in line 10 cancel "in subclass 1"; in subclass 14 in note (1) cancel "252, Substance Preparation, particularly subclass 1" and substitute *252, Compositions.*

In *class 183, Gas Separation* (Division 32), at the end of the main class definition, preceding the search notes, add:

Mere processes of, and apparatus peculiar to, breaking foams are excluded from this class; such process and apparatus are classified in class 252, COMPOSITIONS;

and under "Search classes" add:

252—COMPOSITIONS, subclass 88, for dust- or particle-adherent compositions;

in subclass 4, in note (3) cancel the reference to class 252, Substance Preparation, and substitute:

252—COMPOSITIONS, for solid absorbents or for the recovery or regeneration in general of spent solid absorbents;

and in subclass 114.5, in note (1) cancel "2.6" and add to note (2):

252—COMPOSITIONS, subclasses 321 and 361, for foam breaking processes or apparatus.

In *class 195, Chemistry, Fermentation* (Division 63), in subclass 107, in note (2), cancel "183, Gas Separation, subclass 2.6" and substitute *252, Compositions, subclasses 321 and 361.*

In *class 196, Mineral Oils* (Division 31), in the main class definition, in note (4) cancel "87, Oils, Fats and Glue" and substitute *252, Compositions*; and add the following note:

(7) Note.—Mere processes of breaking water and oil emulsions, or resolving other colloidal dispersions which include mineral oils as components, and compositions and apparatus peculiar to use in such processes are classified in class 252, COMPOSITIONS;

in subclass 3 cancel the existing definition and substitute the following, retaining the existing notes:

3. Processes falling within this class which include removal of water from mineral oil with which it is emulsified or apparatus therefor. Mere processes of breaking water and oil emulsions and compositions and apparatus peculiar to use in such processes are classified in class 252, COMPOSITIONS;

in subclass 17 add the following note:

Search Class—
260—CHEMISTRY, CARBON COMPOUNDS, subclass 308 and indented subclasses;

in subclass 52, in note (2) cancel "23, Chemistry, subclass 233 and indented subclasses" and substitute *252, Compositions*; in subclass 69 cancel note (2) and substitute:

(2) **Search Class—**
252—COMPOSITIONS, for compositions for removing carbon;

in subclass 91 cancel note (2) and substitute:

(2) **Search Class—**
252—COMPOSITIONS, for compositions for removing carbon;

in subclass 147, in note (1) cancel "252, Substance Preparation" and substitute *252, Compositions*; in note (3) cancel the reference to class 252, Substance Preparation and substitute *252, Compositions*; in subclass 149, in the note, cancel the reference to class 87, Oils, Fats and Glue, cancel "252, Substance Preparation, subclass 1" and substitute *252, Compositions*; and add to the note:

Compositions which contain only mineral oils and preserving agents which are not a mineral oil are in class 23, CHEMISTRY, subclass 250;

and in subclass 151, in the note cancel "87, Oils, Fats and Glue, subclass 9" and substitute *252, Compositions.*

In *class 200, Electricity, Circuit Makers and Breakers* (Division 37), subclass 150, cancel "252, Substance Preparation" and substitute *252, Compositions.*

In *class 202, Distillation* (Division 64), at the end of the main class definition, preceding note (1), add:

Denatured alcohol and other anti-ingestible compositions, denaturing agents therefor, and processes of making them, are excluded from this class; for such compositions or processes, **search class 252**—COMPOSITIONS, subclasses 365 and 366;

in subclass 32 in note (2) cancel the reference to class 183, Gas Separation, and add:

252—COMPOSITIONS, subclasses 321 and 361;

in subclass 35 cancel the reference to class 252, Substance Preparation, and add:

252—COMPOSITIONS, particularly subclasses 262–268;

in subclass 38, note (2), cancel the reference to class 87, Oils, Fats and Glue, and add:

252—COMPOSITIONS;

in subclass 46, note (3) cancel "252, Substance Preparation, subclass 2 and indented subclasses" and substitute *252, Compositions*; in subclass 71, note (1) cancel "and 77" and add to note (2);

252—COMPOSITIONS, subclasses 365 and 366, for denatured alcohol and analogous compositions;

in subclass 241, in note (3) cancel the reference to class 87, Oils, Fats and Glue, and add:

252—COMPOSITIONS;

and in subclass 264, in note (2) cancel "and 2.6" and add to the note:

252—COMPOSITIONS, subclasses 321 and 361.

In *class 205, Metal Drawing* (Division 13), subclass 19, cancel the existing definition and note and substitute:

19. Apparatus for coating wire to prevent oxidation or to lubricate it while passing through the drawing die.
Note.—Compositions for coating wire to prevent actual contact thereof with the drawing die or to lubricate the wire during the drawing are in class 252, COMPOSITIONS.

In *class 209, Classifying, Separating and Assorting Solids* (Division 25), in the main class definition, in note (4) cancel "252, Substance Preparation" and substitute *252, Compositions*; in subclass 5 cancel note (3) and substitute:

(3) **Search Class—**
252—COMPOSITIONS, subclass 303, for miscellaneous processes of separating materials into different portions, corresponding to physical or chemical differences by operations which include formations of colloid systems, subclass 319 and indented subclasses, for processes of breaking "emulsions" or resolving colloid systems, and other appropriate subclasses for processes of dispersion or agents therefor;

in subclass 49 cancel existing note (2) and substitute:

(2) **Search Classes—**
252—COMPOSITIONS, subclasses 60, 61, and 88.
183—GAS SEPARATION, subclass 44 and indented subclasses;

in subclass 162 number the existing note (*1*) and add:

(2) **Search Class—**
252—COMPOSITIONS, subclasses 60 and 61, for compositions for use in assorting;

in the definition of the unnumbered subclass occurring between subclasses 163 and 164, in note (3) thereof, cancel "183, Gas Separation, subclass 2.6" and substitute:

252—COMPOSITIONS, subclasses 321 and 361, respectively;

in subclass 166, in note (2) cancel "252, Substance Preparation, subclass 9" and substitute *252, Compositions, subclass 61*; in subclass 168, note (2), cancel "252, Substance Preparation, subclass 9" and substitute *252, Compositions*; and in subclass 169, cancel "252, Substance Preparation, subclass 9" and substitute *252, Compositions.*

In *class 210, Liquid Separation or Purification* (Division 49), in the main class definition, second paragraph, last line, cancel "252, Substance Preparation," and substitute *252, Compositions*; and under "Search classes" add:

252—COMPOSITIONS, for water-softening or purifying compositions.

In *class 216, Label Pasting and Paper Hanging* (Division 53), subclass 8, cancel "87, Oils, Fats and Glue, subclass 5" and substitute *252, Compositions.*

In *class 254, Pushing and Pulling Implements* (Division 61), in the main class definition add:

Search Class—
252—COMPOSITIONS, for fluids for hydraulic jacks or for other hydraulic devices.

In *class 257, Heat Exchange* (Division 19), in the main class definition, in note (2) add:

252—COMPOSITIONS, for heat-exchange compositions;

and in subclass 1 add the following notes:

(1) Note.—This subclass, among other things, takes cleaning apparatus and processes for heat exchangers. For the most part it takes heat exchange apparatus combined with cleaning apparatus and processes of heat exchange combined with cleaning processes, but is also intended for apparatus and processes per se for cleaning heat exchangers not elsewhere provided for.
(2) Note.—See class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, appropriate subclasses, for cleaning apparatus, and subclass 269, for cleaning processes which involve at least one of the following means or the corresponding operation: A gas blast or vacuum, brushing, beating, scraping, shaking, wiping, shotting, the use of a squeegee, with or without a detergent.
(3) Note.—See class 141, WASHING APPARATUS, for detergent cleaning apparatus and processes.
(4) Note.—See class 148, METAL TREATMENT, appropriate subclasses, for cleaning processes (1) of any kind combined with other metal treating steps and (2) subclass 8 for metal cleaning processes per se involving the use of an acid.
(5) Note.—Compare class 122, LIQUID HEATERS OR VAPORIZERS, subclass 379 and indented subclasses.
(6) Note.—See class 252, COMPOSITIONS, for detergent compositions and cleaning processes involving the mere use of a detergent, even though the thing or surface cleaned be specified.

In *class 260, Chemistry, Carbon Compounds* (Divisions 6, 50 and 63), in the main class definition, in note (3), line 4 thereof, cancel "23, Chemistry, subclass 233" and substitute *252, Compositions, subclass 195*; in note (10) cancel "87, Oils, Fats and Glue," and substitute *252, Compositions*; and add the following note:

(30) **Search Class—**
252—COMPOSITIONS, for colloid systems, colloidally dispersed substances, dry compositions containing one substance and an agent for stabilizing colloidal dispersion thereof in any other substance, processes of making the same and mere processes of separating substances from other materials, or producing substances in a finely-divided state, which include formations of colloid systems, but for mere organic compounds, respectively, in a finely-divided or so-called colloidally-divided state, search where the particular compound is classifiable;

in subclass 412.5, note (3), cancel "252, Substance Preparation" and substitute *252, Compositions*; in subclass 415, in note (2) cancel "87, subclasses 9 and 16" and substitute *252, Compositions*; in subclass 417, in note (2) cancel "87, subclass 16" and substitute *252, Compositions, particularly subclass 367 and indented subclasses*; in subclass 418 cancel "87, subclass 16" and substitute *252, Compositions, subclass 367 and indented subclasses*; in subclass 708 cancel "and class 252, subclass 2 and indented subclasses", change the period to a comma, and add:

and 252, COMPOSITIONS, for adsorbents or solid absorbents or processes of making them;

and in subclass 760 cancel existing note (2) and substitute:

(2) Note.—See class 252, COMPOSITIONS, subclass 302 and indented subclasses.

In *class 261, Gas and Liquid Contact Apparatus* (Division 32), in the main class definition, in note (2) cancel "2.6".

In *class 299, Fluid Sprinkling, Spraying and Diffusing* (Division 46), in subclass 24, in note (2), in the reference to class 23, Chemistry, cancel "5" and add to the note:

252—COMPOSITIONS, subclasses 194 and 260 and indented subclasses.

In *class 303, Fluid-Pressure Brake and Analogous Systems* (Division 47), in the main class definition in note (5) add:

252—COMPOSITIONS, for fluids for hydraulic brakes or for other hydraulic devices.

In *class 252, Substance Preparation* (Division 50), change the title of the class to read *252, Compositions,*

abolish the existing subclass titles and establish in lieu thereof subclasses contained in the new loose leaves now being printed for insertion in the Manual of Classification, and definitions which will appear in Bulletin No. 78, the patents contained in this class having been taken for the most part from old class 252, Substance Preparation, class 87, Oils, Fats and Glue, abolished in this order, and from various other subclasses abolished in this order; and the new class 252 herein established being distributed to Divisions 59 and 64 as follows:

Division 59, subclasses 2–8, 62, 67–79, 182–301, 372–379;

Division 64, subclasses 1, 9–61, 63–66, 80–181, 302–371.

(Note.—Copies of the list and of the definitions may be seen in the Search Room and in the Classification Division pending publication.)

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Andrew's Mill Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James McCutcheon & Co., Fifth Avenue and Forty-ninth Street, New York, N. Y., to effect the cancellation of registration No. 195,477, issued February 24, 1925, to Andrew's Mill Co., Frankford, Philadelphia, Pa., and a notice of such proceeding sent by registered mail to said Andrew's Mill Co., at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Andrew's Mill Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Andrew's Mill Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James McCutcheon & Co., Fifth Avenue and Forty-ninth Street, New York, N. Y., to effect the cancellation or registration No. 217,599, issued September 7, 1926, to Andrew's Mill Co., 230 Fifth Avenue, New York, N. Y., and a notice of such proceeding sent by registered mail to said Andrew's Mill Co. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Andrew's Mill Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Midi Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James L. Younghusband, Chicago, Ill., to effect the cancellation of registration No. 372,510, issued October 31, 1939, to Midi Inc., 1643 North Cherokee Avenue, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Midi Inc., at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Midi Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Walla Walla Valley Prune Growers Co-Operative Association, its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Mojonnier & Sons, Inc., Walla Walla, Wash., to effect the cancellation of trade-mark registration of Walla Walla Valley Prune Growers Co-Operative Association, Freewater, Oreg., No. 171,455, dated August 7, 1923, and the notice of such proceeding sent by registered mail to the said Walla Walla Valley Prune Growers Co-Operative Association at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Walla Walla Valley Prune Growers Co-Operative Association, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 29, 1940.*

Middle States Packing Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Fremont Canning Company, Fremont, Mich., to effect the cancellation of registration No. 244,160, issued July 17, 1928, to Middle States Packing Corporation, 134 South La Salle Street, Chicago, Ill., and a notice of such proceeding sent by registered mail to said Middle States Packing Corporation at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Middle States Packing Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 18, 1940

[VOL. 515. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

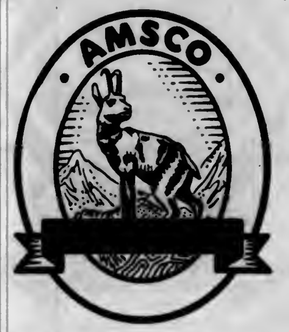
Raw or Partly Prepared Materials

Ser. No. 403,338. STANDARD TELEPHONES AND CABLES, LIMITED, London, England. Filed Feb. 23, 1938.

SUPERSTYREX

For Stabilized Purified Monomeric Styrene, and Purified Polymeric Styrene Dissolved in Benzene.
Claims use since July 26, 1937.

Ser. No. 424,531. AMERICAN SPONGE AND CHAMOIS COMPANY, INC., New York, N. Y. Filed Oct. 14, 1939.



For Genuine Chamois Skins and Imported and Domestic Leather Skins Tanned to Resemble Genuine Chamois Skins.
Claims use since May 1, 1936.

Ser. No. 426,992. SHIPPERS FUEL CORPORATION, Chicago, Ill. Filed Dec. 29, 1939.

DERCO

The drawing is lined for red.
For Coal.
Claims use since June 1, 1919.

Ser. No. 429,260. FOSTER-BIXLER FUEL COMPANY, Pittsburgh, Pa. Filed Mar. 6, 1940.

RAINBOW WASHED COAL

The words "Washed Coal" are disclaimed apart from the mark.
For Coal.
Claims use since June 30, 1938.

Ser. No. 429,566. JOHN D. FARBER, doing business as Briggs Bituminous Composition Company, Philadelphia, Pa. Filed Mar. 14, 1940.

FARBERTITE

For Crude Coal Tar.
Claims use since Nov. 15, 1938.

Ser. No. 429,962. TRUAX-TRAER COAL COMPANY, Chicago, Ill. Filed Mar. 25, 1940.



The word "Coal" is disclaimed apart from the mark.
For Coal.
Claims use since Mar. 1, 1939.

Ser. No. 430,210. THE AMERICAN OAK LEATHER CO., Cincinnati, Ohio. Filed Apr. 1, 1940.

"AmOkrome"

Applicant disclaims the word "Krome" apart from the mark.
For Leather.
Claims use since Mar. 21, 1940.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 419,412. THE AMERICAN PRODUCTS COMPANY, doing business as The Veeco Chemical Products Co., Cincinnati, Ohio. Filed May 15, 1939.

VEECO

For Upholstery and Rug Cleaner, Preparation for Use in Washing Clothes, Stove Polish, Dry Cleaning Fluid, Preparation for Preventing and Avoiding Misting of Glass Surfaces, Sweeping Compound, Metal Polish, and Glass Cleaner.
Claims use since Apr. 27, 1939.

Ser. No. 429,992. MITSUBISHI SHOJI KAISHA LTD., Tokio, Japan and New York, N. Y. Filed Mar. 26, 1940.



For Vegetable Waxes in Liquid and Solid Form Sold for Use in the Manufacture of a Composition for Dressing and Finishing Leather and for Leather Polish.
Claims use since July 22, 1913.

Ser. No. 430,464. SLATER PRODUCTS COMPANY, Pittsburgh, Pa. Filed Apr. 6, 1940.

poldon

For Cleanser for General Household, Industrial, Office, Hospital, and Laundry Use Having Incidental Water Softening Properties.
Claims use since Apr. 1, 1939.

Ser. No. 430,494. E. L. I. PRODUCTS, Quincy, Ill. Filed Apr. 8, 1940.



For Waterless Cleanser for Bath Tubs, Lavatories, Mirrors, and Glass.
Claims use since Apr. 3, 1940.

Ser. No. 430,511. KNOMARK MFG. CO., INC., Brooklyn, N. Y. Filed Apr. 8, 1940.

DUPLEX

For Shoe Cleaners and Shoe Soap.
Claims use since Apr. 1, 1938.

Ser. No. 430,574. FALSODENT COMPANY, Brooklyn, N. Y. Filed Apr. 8, 1940.

FALSODENT

For Cleaner for False Teeth and Dental Plates.
Claims use since Jan. 1, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 414,223. ANNA HANDSCHUH, Upper Darby, Pa. Filed Dec. 27, 1938.



No claim is made to the words "Trav-L-Sik" and "Plasters" apart from the mark.
For Plasters for Preventing Sickness From Travel Including Air, Sea, or Land Travel; Also Prevents Sickness From Deep Sea Fishing and Beneficial for Muscular Pains.
Claims use since August, 1914.

Ser. No. 417,416. GEORGE ROOSOVICS, Nyack, N. Y. Filed Mar. 23, 1939.



The word "Restor" is disclaimed apart from the mark.
For Chemical Preparation for the Treatment of Fabrics to Remove Shine, Stains, and Spots Therefrom.
Claims use since Mar. 4, 1939.

Ser. No. 418,977. WHITAKER LEWIS, doing business as L. S. V. Company, New Orleans, La. Filed May 2, 1939.



For Preparation for Cancers.
Claims use since Apr. 12, 1939.

Ser. No. 422,139. GEORGE WILLIAM SIMMONS, doing business as Creative Cosmetic Company of Chicago, Chicago, Ill. Filed July 31, 1939.



For Cuticle Lotion, a Liquid Preparation.
Claims use since Aug. 10, 1938.

Ser. No. 426,579. THE TEMPIL CORPORATION, INC., New York, N. Y. Filed Dec. 14, 1939.

TEMPIL

For Temperature Indicating Pellets Made of Chemical Compounds, Pure Metals, and Alloys Which Possess Sufficiently Sharp Melting Points or Melting Point Ranges to Indicate Specific Temperatures, or Temperature Ranges, by Their Melting.
Claims use since Aug. 1, 1939.

Ser. No. 427,650. PYNOSOL LABORATORIES, INC., Chicago, Ill. Filed Jan. 17, 1940.

PRE-DU

For Vaginal Suppository (Dry Tablet Form), Chloramine T. Active Ingredient, for Use as Deodorant and for Use in Marriage Hygiene.
Claims use since June 15, 1933.

Ser. No. 428,079. THE LASZLO INSTITUTE INC., New York, N. Y. Filed Jan. 31, 1940.



For Cosmetic Articles as Follows: Face Powder, Toilet Creams, Toilet Powder, a Paste for the Treatment of Skin, Oil for Cleansing the Skin, Preparations for the Treatment of the Hair and Scalp, Preparations for Beautifying the Hair, Lipstick, Mascara, Eye Shadow, Dry and Cream Rouge, Sun Tan Oil.
Claims use since Jan. 10, 1940.

Ser. No. 429,237. WOBURN INCORPORATED, Brooksville Fla., and Harrison, N. J. Filed Mar. 5, 1940.

SPRĀ KAST

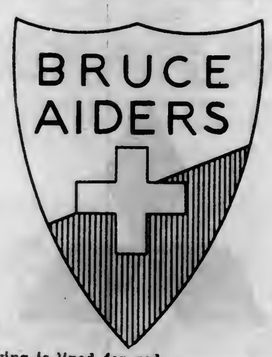
The notation "Spra" is disclaimed apart from the mark.
For Germicides and Disinfectants.
Claims use since Apr. 22, 1939.

Ser. No. 429,378. CARL A. TINDALL, doing business as Carl A. Tindall Company, Indianapolis, Ind. Filed Mar. 8, 1940.

Sava-Cola

For Chemical Preparation to be Sprayed on Coal to Increase the Combustibility of the Coal.
Claims use since Dec. 28, 1939.

Ser. No. 429,406. BRUCE JOHNSON, doing business as Bruce-Aiders Co., Providence, R. I. Filed Mar. 9, 1940.



The drawing is lined for red.
For Mouth Wash, Aspirin, Boric Acid, Brilliantine,

Cascara, Castor Oil, Citrate of Magnesia, Cold Cream, Disinfectant, Epsom Salt, Red Organic Mercurated Antiseptic and Germicide and Pads Containing an Absorbent Impregnated Therewith, Milk of Magnesia, Perfume, Peroxide, Corn Pads, Petroleum Jelly, Quinine, Rubbing Alcohol, Iodine, Tooth Paste, Cough Syrup, Face Powder, Lipstick, Nail Polish, Nail Polish Remover.
Claims use since Jan. 17, 1940.

Ser. No. 429,434. DE VRY COMPANY, Evansville, Ind. Filed Mar. 11, 1940.



The drawing is lined for red.
For Preparation for Use in the Treatment of the Scalp.
Claims use since 1904.

Ser. No. 429,564. ELMO SALES CORPORATION, Philadelphia, Pa. Filed Mar. 14, 1940.

CLIMATIZED

For Rouge, Lipstick, Mascara, Eyeshadow, Face Powder, Face Lotions, and Face Creams.
Claims use since Mar. 1, 1940.

Ser. No. 429,623. THE PHOSPHATE MINING COMPANY, New York, N. Y. Filed Mar. 15, 1940.

ULTRAFOS

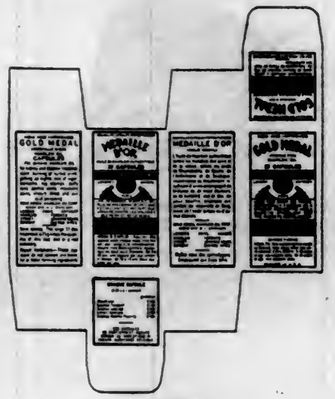
For Phosphate Compound in Powder or Tablet Form for Use in Sugar Purification.
Claims use since Mar. 4, 1940.

Ser. No. 429,991. MITSUBISHI SHOJI KAISHA LTD., Tokio, Japan, and New York, N. Y. Filed Mar. 26, 1940.



For Waxes Derived from Vegetables and Used for Sizing Textiles.
Claims use since July 22, 1913.

Ser. No. 430,023. GOLD MEDAL HAARLEM OIL COMPANY, Jersey City, N. J. Filed Mar. 27, 1940.



The representation of the carton per se and all notations except "Gold Medal," "Medaille D'Or," "Gold Medal Haarlem" are disclaimed apart from the mark.
For Medicinal Preparation for the Treatment of Liver, Kidney, and Bladder Disorders, Rheumatism, and Uric Acid Troubles, Etc.
Claims use since October, 1938.

Ser. No. 430,127. EFFERVESCENT PRODUCTS, INC., Elkhart, Ind. Filed Mar. 29, 1940.

Calce-Vess

For Alkaline Effervescent Tablets.
Claims use since Feb. 24, 1940.

Ser. No. 430,159. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Mar. 29, 1940.

Prohydrion

For Medicinal Substance for Use as a Urinary Antiseptic.
Claims use since Feb. 27, 1940.

Ser. No. 430,178. ZENON A. EINIK, Union, Conn. Filed Mar. 30, 1940.

Zenon A Einik

The mark is a facsimile of applicant's signature.
For Ointment for Treatment of Rheumatic and Neuralgic Pains, Skin Diseases, Corns; Infusion for Stomach Irregularities; Sea Roots for Impoverished Blood.
Claims use since 1918.

Ser. No. 430,191. PARK & TILFORD, New York, N. Y. Filed Mar. 30, 1940.



The female figure is fanciful.
For Tinting Powder for Fabric.
Claims use since Nov. 2, 1939.

Ser. No. 430,192. PARK & TILFORD, New York, N. Y. Filed Mar. 30, 1940.



The female figures are fanciful. The words "Before" and "After" are disclaimed apart from the mark.
For Color Remover for Dyed Materials.
Claims use since Nov. 2, 1939.

Ser. No. 430,193. PARK & TILFORD, New York, N. Y. Filed Mar. 30, 1940.



The female figure is fanciful.
For Tinting Powder for Fabric.
Claims use since Nov. 2, 1939.

Ser. No. 430,229. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed Apr. 1, 1940.

IOZANTHAL

For Medicinal Preparation for Cardio-Vascular Diseases.
Claims use since Mar. 19, 1938.

Ser. No. 430,285. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Apr. 2, 1940.

NOPCOSORB

For Emulsifier for Making Water in Oil Emulsions for Use in Drug, Cosmetic and Industrial Preparations.
Claims use since Nov. 29, 1939.

Ser. No. 430,332. THE PERFEX CO., Tacoma, Wash. Filed April 3, 1940.



For Specially Prepared Compound for Use as a Deodorant, Bleacher, Disinfectant, Cleanser, and Water Softener.
Claims use since Feb. 3, 1940.

Ser. No. 430,367. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Apr. 4, 1940.

HEPALEXON

For Liver Extract, Vitamin B Complex, Iron and Manganese in a Highly Palatable and Assimilable Syrup.
Claims use since Mar. 25, 1940.

Ser. No. 430,368. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Apr. 4, 1940.

LEXAFERM

For Liver Extract, Vitamin B Complex, Iron and Manganese in a Highly Palatable and Assimilable Syrup.
Claims use since Mar. 25, 1940.

Ser. No. 430,369. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Apr. 4, 1940.

LEXIMA

For Liver Extract, Vitamin B Complex, Iron and Manganese in a Highly Palatable and Assimilable Syrup.
Claims use since Mar. 25, 1940.

Ser. No. 430,437. T. J. CUZALINA, doing business as Kudymern Sales Organization, Ponca City, Okla. Filed Apr. 6, 1940.

TRETIT

For Salve Used for Minor Skin Irritations.
Claims use since 1939.

Ser. No. 430,636. UNITED BUYERS CORPORATION, doing business as Foodcraft Products, Chicago, Ill. Filed Apr. 10, 1940.

Klenzcraft

For Drain Pipe Cleaner, Lye, Bluing, Ammonia, and Household Bleach.
Claims use since Feb. 10, 1937.

Ser. No. 430,637. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Apr. 10, 1940.

MULTIVIN

For Polyvitamin Product Containing Vitamins A, the Entire B Complex, C, D, and E.
Claims use since Apr. 2, 1940.

Ser. No. 430,664. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Apr. 11, 1940.

MAURESQUE

For Face Powder and Make-Up Lotion.
Claims use since Jan. 3, 1929.

Ser. No. 430,862. DERRIS, INC., New York, N. Y. Filed Apr. 17, 1940.

DER-O-CIDE

For Insecticides.
Claims use since Feb. 1, 1940.

Ser. No. 430,875. PHOENIX COLOR & CHEMICAL CO., INC., Paterson, N. J. Filed Apr. 17, 1940.

PARAPHEN

For Dyestuffs.
Claims use since Oct. 6, 1939.

Ser. No. 430,994. W. H. BARBER COMPANY, Minneapolis, Minn. Filed Apr. 20, 1940.

FYRE-FLY

The term "Fly" is disclaimed except as shown.
For Household Insect Spray.
Claims use since Apr. 1, 1940.

Ser. No. 431,014. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Apr. 20, 1940.

SULFO-MERTHIOLATE

For Surgical Powder for Topical Application to Infected Tissue and Areas.
Claims use since June 26, 1939.

Ser. No. 431,210. ALICE MYRA LAYNE, doing business as Myra's Products Company, Detroit, Mich. Filed Apr. 25, 1940.

Myra's
Per-Proof

For Press-Preserver for the Hair.
Claims use since July 1, 1937.

Ser. No. 431,561. JOSEPH NEFSKY, doing business as My Slave Perfume Company, Chicago, Ill. Filed May 4, 1940.

My Slave

For Perfume.
Claims use since Apr. 1, 1940.

Ser. No. 431,615. THE NU-LOOK COMPANY, New Orleans, La. Filed May 6, 1940.

NU-LOOK

For Complexion Cream.
Claims use since Mar. 1, 1940.

Ser. No. 431,653. LES PARFUMS DE DANA, INC., New York, N. Y. Filed May 7, 1940.

YOGA

For Perfumes.
Claims use since May 2, 1940.

Ser. No. 431,812. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed May 11, 1940.

Lysol

For Preparations Recommended for Germicidal, Bactericidal, Bacteriostatic, Disinfectant, Antiseptic, Fungicidal, Microbicidal, and Other Parasiticidal Purposes; for Insecticidal, Larvicidal and Insect Repellent Purposes; for the Treatment of Wounds, Cuts, Abrasions and Other Injuries of Traumatic Origin; for the Treatment of Burns, also Sunburn and Snowburn; for the Treatment of Skin Diseases, Affections, Irritations, Rashes, Itches and Inflammations of Parasitic, Bacterial or Fungous Origin Generally, and Especially for Ringworm or Athlete's Foot; for the Care and Treatment of the Hair and Scalp Generally, also for Combatting and Removing Dandruff and for the Treatment of Scalp Eczemas of Different Origins; for the Elimination of Body Lice, Head Lice, Chiggers and Other Similar Parasitic Insects; for the Treatment of Skin Affections, Irritations, Rashes, Itches and Inflammation of Non-Parasitic Origin; for the Treatment of Piles and Irritative Rectal Conditions; for the Treatment of Stings, Bites and Other Injuries Caused by Insects; for the Treatment of Irritations and Inflammations Due to Poison Ivy, Poison Oak, Poison Sumach, Nettles and Other Irritant Plants; for the Care and Treatment of the Teeth and Mouth as a Dentrifice, Gargle and Mouth Wash; for the Cleaning and Disinfection of Artificial Dentures; for Spraying the Nose and Throat and for Inhalation in the Treatment of Chest Colds, Congestions and Other Affections of the Respiratory Tract; for Internal Use as an Intestinal or Urinary Antiseptic; for Deodorizing Premises, Either by Destroying the Source of Odor or Masking the Offensive Odor; for Personal Use as a Deodorant in the Bath, in Armpits and for Perspiring Hands and Feet; for the Disinfection of Surgical, Dental, Veterinary and Other Medical Instruments, Rubber Gloves, Sutures, Catgut and Similar Appliances; for Cleaning and Disinfection of Barbers' Utensils, Such as Combs, Clippers, Razors and Brushes; for Laundering and Other Forms of Wet Wash; for Dry Cleaning, Spotting and Other Forms of Stain Removal; for Agricultural and Horticultural Uses as a Disinfectant, Insecticide, Insect Repellent, Larvicide, Fungicide, Parasiticide and Soil Disinfectant, and to Increase the Yield of Plants; for Dipping Cattle, Sheep, Hogs and Other Domestic Animals and for Repelling Insects and Other Animal Pests; for the Treatment of Mange and Other Parisitic Skin Affections of Animals; for the Treatment and Prevention of Poultry Diseases Both as an External Application and as an Internal Antiseptic; for Combatting Termites and Insect Pests Destructive to Wood or Other Structural Materials; for Industrial Disinfection of Premises and Rolling Stock; for the Disinfection and Preservation of Cutting Oils and Greases in Engineering and Industrial Plants Generally; Used Also in the Preparation of Ointments, Tinctures, Pills, Capsules and Soaps, Shaving Creams, Lotions and Other Pharmaceutical or Cosmetic Products.
Claims use since 1890.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 424,409. ROBERT C. RICHEY, Springfield, Ohio. Filed Oct. 10, 1939.

Phil-O-matic

For Tobacco Pouches and Humidors.
Claims use since Sept. 21, 1939.

CLASS 10

Fertilizers

Ser. No. 429,807. WILLIAM BENNETT CHAPMAN, Colorado Springs, Colo. Filed Mar. 21, 1940.

VITA B1 TRADE-MARK LOOM

No claim is made to the wording "Trade Mark" and "B_1."
For Preparation of Vitamin B_1 for Supplemental Nourishment of Plants.
Claims use since Oct. 9, 1939.

CLASS 11

Inks and Inking Materials

Ser. No. 417,938. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Filed Apr. 6, 1939.

THE TOPPER

For Typewriter Ribbon and Carbon Paper.
Claims use since June 1, 1937.

Ser. No. 430,212. BARTA-GRIFFIN COMPANY, Worcester, Mass. Filed Apr. 1, 1940.

APEX

For Printing Inks, Dryers in the Nature of Pastes to be Added to Printing Inks to Hasten Their Drying and to Harden the Same, and Compounds in the Nature of Pastes to be Added to Printing Inks to Lessen Their Stickiness, to Improve Their Action, or to Reduce Their Color Strength.
Claims use since July 18, 1939.

CLASS 12

Construction Materials

Ser. No. 427,730. UNIVERSAL ATLAS CEMENT COMPANY, New York, N. Y. Filed Jan. 22, 1940.

ATLAS
DURAPLASTIC

UNIVERSAL ATLAS CEMENT CO.
ATLAS
DURAPLASTIC

DURAPLASTIC
ATLAS

No claim is made to the words "Portland Cement" apart from the mark.
For Portland Cement.
Claims use since Dec. 29, 1939.

Ser. No. 427,731. UNIVERSAL ATLAS CEMENT COMPANY, New York, N. Y. Filed Jan. 22, 1940.

Universal
DURAPLASTIC

UNIVERSAL ATLAS CEMENT CO.
Universal
DURAPLASTIC
PORTLAND CEMENT

DURAPLASTIC
Universal

No claim is made to the words "Portland Cement" apart from the mark.
For Portland Cement.
Claims use since Dec. 29, 1939.

Ser. No. 428,949. BARBER ASPHALT CORPORATION, Barber, N. J. Filed Feb. 27, 1940.

MAGNATAB

For Composition Roofing and Shingles.
Claims use since Jan. 15, 1940.

Ser. No. 429,498. UNITED STATES PLYWOOD CORPORATION, New York, N. Y. Filed Mar. 12, 1940.

RADIOMATIC

For Plywood Panels and Laminated Assemblies of Veneers and/or in Sheets of Materials Bound Together by Adhesives to Form Beams and/or Supports.
Claims use since Mar. 1, 1940.

Ser. No. 429,609. GARDNER LABORATORIES, INC., Chicago, Ill. Filed Mar. 15, 1940.

GAR KEM

No claim is made to the suffix KEM except as shown.
For Chemical Compounds Used in Hardening, Dressing, and Waterproofing Concrete Surfaces.
Claims use since November, 1914.

Ser. No. 429,620. NEWARK PLASTER COMPANY, Delawanna, Clifton, N. J. Filed Mar. 15, 1940.

A KELLEY KELLEY AND OLD NEWARK PRODUCT

Applicant disclaims the terms "Old Newark" and "Product" apart from the mark.
For Gypsum Wallboard, Fiber Jointing Tape for Wallboard, Special Formulated Joint Cement for Wallboard, Gypsum Lath, Gypsum Plasterboard, Gypsum Sheathing, Concrete Filled Columns, Rockwool, and Wall Tile.
Claims use since Feb. 13, 1940.

Ser. No. 430,878. THE RUBEROID CO., Boundbrook, N. J., and New York, N. Y. Filed Apr. 17, 1940.

VITRAMIC

For Asbestos Cement Siding.
Claims use since Apr. 1, 1940.

CLASS 15

Oils and Greases

Ser. No. 429,724. THE UNIVERSAL MOTOR OILS COMPANY, Wichita, Kans. Filed Mar. 18, 1940.

DE TROL

For Liquid Fuels, Particularly Fuel Oils, Liquid Motor Fuels, and Gasoline.
Claims use since Feb. 14, 1940.

Ser. No. 430,487. CHRYSLER CORPORATION, Highland Park, Mich. Filed Apr. 8, 1940.

MoPar

For Lubricating Oil.
Claims use since Sept. 1, 1939.

Ser. No. 430,597. GAMBLE STORES INCORPORATED, Minneapolis, Minn. Filed Apr. 10, 1940.

VARCON

For Lubricating oils and greases.
Claims use since Mar. 15, 1940.

Ser. No. 430,700. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J. Filed Apr. 12, 1940.

TAPS

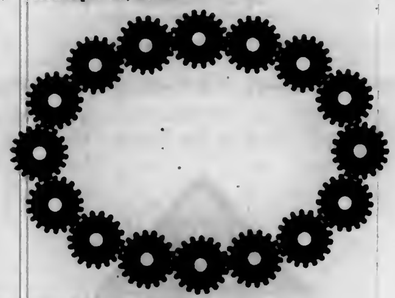
For Lubricating Oils.
Claims use since Mar. 4, 1940.

Ser. No. 430,722. THE CANFIELD OIL COMPANY, Cleveland, Ohio. Filed Apr. 13, 1940.

PARAPRIDE

For Lubricating Oils.
Claims use since July 1, 1930.

Ser. No. 430,952. FAMOUS LUBRICANTS, INC., Chicago, Ill. Filed Apr. 19, 1940.



For Lubricating Compounds.
Claims use since Jan. 1, 1916.

CLASS 16

Paints and Painters' Materials

Ser. No. 429,990. MITSUBISHI SHOJI KAISHA LTD., Tokio, Japan, and New York, N. Y. Filed Mar. 26, 1940.



For Vegetable Waxes, Liquid and Solid, Sold for Use in the Manufacture of Varnish and Floor Polishes, and in a Composition for Finishing Floors and Other Woodwork, and for Wood Turpentine and Industrial Turpentine, the Latter Being a Mixture of Wood Turpentine and Mineral Oil.
Claims use since July 22, 1913.

Ser. No. 430,043. SOUTHERN VARNISH CORPORATION, Roanoke, Va. Filed Mar. 27, 1940.

SYNTHETONE

For Synthetic Finish for Wood Furniture in the Nature and Appearance of a Varnish.
Claims use since Feb. 19, 1940.

Ser. No. 431,045. GENERAL PAINT CORPORATION OF CANADA, LIMITED, Vancouver, British Columbia, Canada. Filed Apr. 22, 1940.

Monamel

For Paints (Ready Mixed, Paste Form, and Dry), Enamels, Varnishes, Lacquers, Paint Fillers, Undercoaters, and Primers.
Claims use since Aug. 1, 1936.

CLASS 17

Tobacco Products

Ser. No. 430,133. HANOVER HOUSE, New York, N. Y. Filed Mar. 29, 1940.

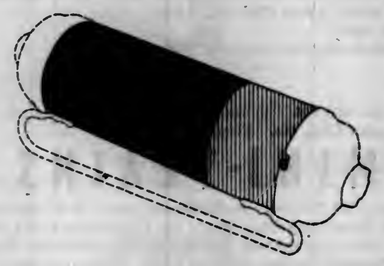


The wording is disclaimed apart from the mark.
For Smoking Tobacco.
Claims use since Mar. 8, 1940.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 417,912. THE P. A. GEIER COMPANY, Cleveland, Ohio. Filed Apr. 6, 1939.



The trade-mark consists of a red band, stripe, zone or marking on the outer tubular surface and adjacent one end of the tank of a tank type suction cleaner, contrasting with the color of the remainder of the periphery of the tank of the tank type suction cleaner. The representation of the goods per se is disclaimed. The drawing is lined red.
For Tank Type Electrically Operated Suction Cleaner.
Claims use since Mar. 10, 1939.

Ser. No. 418,125. AKTIEBOLAGET GYLLING & CO., Stockholm, Sweden. Filed Apr. 10, 1939.

Centrum

For Radio Sets, Electric Sound Recording and Reproducing Apparatus, Loud Speakers and Loud Speaker Units of the Microphone Type, Electric Condensers, Electric Conductors and Sound Boxes and Consumptive Articles of Such Apparatus, Such as Records on Films; Apparatus for Telephony and Telegraphy, Including Loudspeaking Telephones, Apparatus for One-Sided or Double-Sided Communication, Television Apparatus and Apparatus for the Transmission of Pictures, Amplifier Units, Such as Microphone Amplifiers, Photo-Electric Cell Amplifiers, Gramophone Amplifiers of the Microphonic Type, Final Stage Amplifiers.
Claims use since Dec. 24, 1930.

Ser. No. 430,955. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Apr. 19, 1940.

CORDX

For Insulated Electric Cord.
Claims use since November, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 430,161. M. & S. WOODWORKS, Iron Mountain, Mich. Filed Mar. 29, 1940.

M. & S. WOODWORKS
PINE MT. SKI
IRON MOUNTAIN, MICH.

No claim is made to the words "Ski" and "Iron Mountain, Mich." apart from the mark.
For Skis.
Claims use since Mar. 15, 1939.

Ser. No. 430,814. VANDEN BOOM'S FURNITURE COMPANY, Kansas City, Mo. Filed Apr. 15, 1940.

MINI-TRAINS

The word "Trains" is disclaimed apart from the mark.
For Kits Comprising Parts for Constructing Toy Railroad Cars, Locomotives, Bridges, and Toy Railroad Track; Toy Railroad Track Sections; Toy Railroad Cars; Toy Railroad Locomotives; Toy Railroad Roadbed Sections; Parts of Toy Railroad Systems Comprising Signals, Signal Towers, Passenger Stations, Crossing Gates, Freight Stations, Water Towers, Roundhouses, and Coaling Stations; and Kits for Constructing Toy Passenger Stations, Signal Towers, Coaling Stations, Water Tanks and Yard Shanty Frames; Toy Buildings Both Assembled and in Kit Form; and Toy Figures and Toy Automobiles.
Claims use since June, 1939.

Ser. No. 431,179. JOHN TOLCHIN, doing business as The John Tolchin Co., New York, N. Y. Filed Apr. 24, 1940.



The word "Stretch" is disclaimed apart from the mark.
For Apparatus for Conditioning the Body.
Claims use since November, 1933.

Ser. No. 431,686. IDEAL NOVELTY & TOY CO., Long Island City, N. Y. Filed May 8, 1940.

POPPA-MOMMA

For Dolls.
Claims use since Apr. 1, 1940.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 420,980. RAY F. TISSUE, doing business as Coast Centerless Grinding Co., Los Angeles, Calif. Filed June 26, 1939.



For Machine Knives, Base Metal Knife Blades, Chisels, Machine Tools for Cutting and Carving, Cylinder Lining Inserts for Internal Combustion Engines, for Steam Engines, and for Compressors, and Pistons and Connecting Rods for the Same; Internal Combustion Engine Parts Not Including Spark Plugs, Distributors, and Magnetos, Steam Engine and Compressor Valves and Valve Inserts; Airplane Landing Gear Cylinders, Plungers for Pumps, Compressors and the Like; Oil Well Drilling Drills, Cylinders, and Plungers, Pumps, Pump Cylinders, Pump Pistons, Pump Parts, Oil Well Liners, Mechanically Operating Valves and Valve Stems, Heads for Welding Outfits, and Refrigerator Machinery Parts, Namely, Shafts, Pistons, Cylinders, and Connecting Rods.
Claims use since Aug. 10, 1938.

Ser. No. 424,479. LANDIS MACHINE COMPANY, Waynesboro, Pa. Filed Oct. 12, 1939.

LANHYDRO

For Machine Tools, Specifically Machines for Threading Steering Knuckles or Other Bodies.
Claims use since Apr. 26, 1932.

Ser. No. 424,824. ROTARY SEAL COMPANY, Chicago, Ill. Filed Oct. 23, 1939.



For Shaft Seals for Compressors, Pumps, Fluid Motors, and Like Shafted Equipment.
Claims use since Mar. 31, 1939.

Ser. No. 426,718. TURNER, DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Dec. 18, 1939.



The term "Brand" is disclaimed.
For Wooden Handles for Axes, Hatchets, and Similar Implements.
Claims use since Jan. 1, 1908.

Ser. No. 427,519. JOSEPH B. SCHWAB, doing business as Paramount Manufacturing Co., Stockton, Calif. Filed Jan. 16, 1940.

PARAMOUNT

For Machines and Apparatus for Either Separately Washing, Presizing, Grading, or Sacking Vegetables and Fruits or Which May be Combined by Suitable Conveyors or Elevators or Other Connections to Carry Out All or Some of Such Operations, and Replacement Parts for Such Machines and Apparatus.
Claims use since 1927.

Ser. No. 429,709. LETERSTONE SALES COMPANY, Chicago, Ill. Filed Mar. 18, 1940.

Powerflo

For Ball, Cylindrical Roller, and Tapered Roller Bearings.
Claims use since Mar. 15, 1937.

Ser. No. 430,216. CAMPBELL DAIRY MACHINERY COMPANY, Hampshire, Ill. Filed Apr. 1, 1940.

WHIRLWIND

For Stationary and Mechanical Device Having a Power Operated Chain Link Belt for Moving Cans and Cases, Said Device Also Having Weighing Mechanism, Milk Can Washers, Sterilizers, and Driers, and Parts Thereof.
Claims use since Jan. 12, 1940.

Ser. No. 431,103. AMES BALDWIN WYOMING CO., Parkersburg, W. Va. Filed Apr. 23, 1940.

PACEMAKER

For Shovels and Scoops.
Claims use since June 1, 1915.

Ser. No. 431,153. CURTIS UNIVERSAL JOINT CO., INC., Springfield, Mass. Filed Apr. 24, 1940.



For Heat Treated Universal Joints.
Claims use since Apr. 2, 1940.

CLASS 24

Laundry Appliances and Machines

Ser. No. 430,651. FORSE CORPORATION, Anderson, Ind. Filed Apr. 11, 1940.

RED HEAD

For Steam and Air Pressing Machines.
Claims use since Mar. 6, 1940.

CLASS 25

Locks and Safes

Ser. No. 426,630. SARGENT & COMPANY, New Haven, Conn. Filed Dec. 15, 1939.

BORED-IN

For Door Latches and Locks.
Claims use since Dec. 15, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 428,438. BERT J. LASH, Spokane, Wash. Filed Feb. 10, 1940.



For Sensitized Photographic Film.
Claims use since July 10, 1936.

Ser. No. 429,443. HARRY W. HOLT, Dallas, Tex. Filed Mar. 11, 1940.



Applicant disclaims the portion representing the goods.
For Dark Slip Overs for Eye Glasses.
Claims use since Oct. 15, 1939.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 430,951. WALT DISNEY PRODUCTIONS, Los Angeles, Calif. Filed Apr. 19, 1940. Act of February 20, 1905, as amended June 10, 1938.



For Jewelry Made of Non-Precious Metals—Namely, Brooches, Neck Chains, Bangles, Bracelets, and Lockets.
Claims use since Nov. 7, 1939.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 414,570. LONDON HOUSE, LTD., New York, N. Y., now by change of name John Hudson Moore, Inc., a corporation of New York. Filed Jan. 6, 1939.



The words "Guaranteed", "London House" and "England" are disclaimed apart from the mark.
For Hair Brushes, Tooth Brushes, Nail Brushes, Scrubbing Brushes.
Claims use since Aug. 30, 1938.

CLASS 31

Filters and Refrigerators

Ser. No. 430,490. CHRYSLER CORPORATION, Highland Park, Mich. Filed Apr. 8, 1940.

MoPar

For Air Cleaner for the Fuel System of an Internal Combustion Engine and Oil Strainer for the Lubricating System of an Internal Combustion Engine.
Claims use since Dec. 19, 1939.

Ser. No. 431,525. CRABTREE REFRIGERATION CORP., Long Island City, N. Y. Filed May 3, 1940.

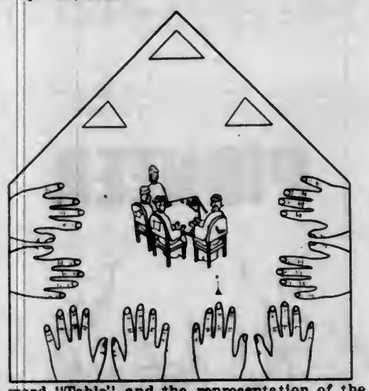


For Refrigerated Display Cases, Ice Boxes, and Coolers.
Claims use since June 1, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 418,297. GORMAN L. FISHER, Jamestown, N. Y. Filed Apr. 15, 1939.



The word "Table" and the representation of the game table top and furniture are disclaimed apart from the mark.
For Tables, Chairs, Benches, Stands, and Stools.
Claims use since Apr. 13, 1939.

Ser. No. 430,253. HAZEL TERRY, Valparaiso, Ind. Filed Apr. 1, 1940.

CHEF-AN-ETTE

For Recipe Cabinet.
Claims use since Nov. 10, 1939.

Ser. No. 431,348. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Apr. 29, 1940.

Slumber Down

The word "Down" is disclaimed apart from the mark.
For Pillows.
Claims use since Feb. 21, 1940.

Ser. No. 431,683. GOLDING BROS. COMPANY, INC., New York, N. Y. Filed May 8, 1940.

Ster-O-Sleep

For Mattresses.
Claims use since Apr. 15, 1940.

Ser. No. 431,684. GOLDING BROS. COMPANY, INC., New York, N. Y. Filed May 8, 1940.

Ster-O-Tex

For Mattresses.
Claims use since Apr. 15, 1940.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 430,695. NATIONAL TIRE STORES INC., Denver, Colo. Filed Apr. 12, 1940.

TRAVELER

For Pneumatic Tires.
Claims use since Feb. 20, 1940.

Ser. No. 431,170. MARSHALL-WELLS COMPANY, doing business as Zenith Rubber Co., Duluth, Minn. Filed Apr. 24, 1940.



The drawing is lined for blue and red. The representation of the label is disclaimed apart from the mark.
For Automobile Tires and Tubes.
Claims use since Aug. 1, 1924.

CLASS 36

Musical Instruments and Supplies

Ser. No. 429,159. AMMOR RECORD COMPANY, Detroit, Mich. Filed Mar. 4, 1940.

AMMOR

Applicant disclaims the representation of the goods apart from the mark.
For Phonograph Records.
Claims use since Feb. 15, 1939.

CLASS 37

Paper and Stationery

Ser. No. 430,482. BURKHARDT-WARNER INCORPORATED, New York, N. Y. Filed Apr. 8, 1940.



For Wrapping Papers.
Claims use since Dec. 1, 1938.

Ser. No. 430,553. HAMMERMILL PAPER COMPANY, Erie, Pa. Filed Apr. 9, 1940.

WHIPPET

For Bond Paper.
Claims use since Apr. 4, 1940.

Ser. No. 430,970. ROCKWELL-BARNES COMPANY, Chicago, Ill. Filed Apr. 19, 1940.

Indemnity

For Writing Papers.
Claims use since Dec. 9, 1939.

Ser. No. 431,180. UNITED BUYERS CORPORATION, Chicago, Ill. Filed Apr. 24, 1940.

Ladyette

For Toilet Tissue, Paper Napkins, Paper Towels, Waxed Paper, and Cleansing Tissues.
Claims use since Jan. 15, 1935.

Ser. No. 431,189. LOUIS SCHULMAN CO. INC., New York, N. Y. Filed Apr. 23, 1940.

WOODSHEEN RAYS

For Wrapping Paper and Box Covering Paper.
Claims use since Feb. 1, 1939.

CLASS 38

Prints and Publications

Ser. No. 418,964. JOSEPH B. COHEN, Chicago, Ill. Filed May 2, 1939.

What AMERICA Thinks

The term "America" is disclaimed apart from the mark.
For a Publication Published at Intervals.
Claims use since Jan. 4, 1939.

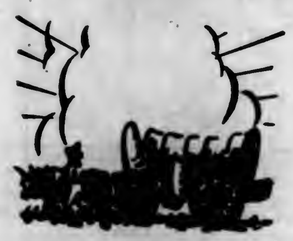
Ser. No. 428,085. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed Jan. 31, 1940.

FAMILY HOME

For Section in a Monthly Magazine.
Claims use since Dec. 1, 1939.

Ser. No. 428,502. PIONEER SAVING STAMPS, INC., Oklahoma City, Okla. Filed Feb. 12, 1940.

PIONEER



For Saving Stamps Sold as Such.
Claims use since Jan. 15, 1940.

Ser. No. 429,105. OUTBOARD, MARINE & MANUFACTURING COMPANY, doing business as Johnson Motors, Waukegan, Ill. Filed Mar. 1, 1940.

THE FISHING DIGEST

For Publication to be Issued at Irregular Intervals and Containing Compilations of Stories Concerning Fishing.
Claims use since Feb. 8, 1940.

Ser. No. 430,197. STECHER-TRAUNG LITHOGRAPH CORPORATION, Rochester, N. Y. Filed Mar. 30, 1940.

"Salers"

For Advertising Material Sold as Such—Namely, Folders, Leaflets, Circulars, and Booklets.
Claims use since Feb. 16, 1940.

Ser. No. 430,261. GEORGE CERNY, Cicero, Ill. Filed Apr. 1, 1940.

NOTE MASTER

Applicant disclaims the word "Note" except as shown.
For Musical Note Charts Having Revolving Disks Used for Ascertaining Relationship Between Musical Notes and Respective Names or Designations of Notes.
Claims use since Sept. 1, 1939.

Ser. No. 430,316. GOLF AND LAWN SUPPLY CORPORATION, Scarsdale, N. Y. Filed Apr. 3, 1940.

BLADES OF GRASS

For Periodical Publication in the Nature of a House Organ.
Claims use since January, 1940.

Ser. No. 430,570. WOMEN'S WEAR COMPANY, New York, N. Y. Filed Apr. 9, 1940.

National Retail Advertising Digest

For Newspaper Section.
Claims use since Mar. 1, 1940.

Ser. No. 430,571. WOMEN'S WEAR COMPANY, New York, N. Y. Filed Apr. 9, 1940.



For News Column.
Claims use since Mar. 8, 1940.

Ser. No. 430,615. MATCH THE METER CO., Buffalo, N. Y. Filed Apr. 10, 1940.

MATCH the METER

For Printed Cards in the Nature of Prize Coupons Sold as Such.
Claims use since Oct. 9, 1939.

Ser. No. 430,710. THE AMERICAN ART WORKS, INC., Coshocton, Ohio. Filed Apr. 13, 1940.

SHADOSHEEN

For Wall Calendars.
Claims use since Mar. 8, 1940.

Ser. No. 430,846. THEODORE GRANIK, Washington, D. C. Filed Apr. 15, 1940.

THE AMERICAN FORUM:

Applicant makes no claim to the word "American" apart from the mark.
For Newspaper Section or Column.
Claims use since Apr. 13, 1940.

Ser. No. 430,925. PIANOGRAMS INCORPORATED, New York, N. Y. Filed Apr. 18, 1940.

PIANOGRAMS

For Printed Instructions in Piano Playing.
Claims use since July 24, 1934.

CLASS 39

Clothing

Ser. No. 402,587. THE ATHLETIC SHOE COMPANY, Chicago, Ill. Filed Feb. 2, 1938.

Rest-Rite
COMFORT SLIPPERS

Applicant disclaims the words "Comfort Slippers" apart from the mark.
For Slippers Formed of Leather, Fabric, and Combinations Thereof.
Claims use since Dec. 1, 1928.

Ser. No. 427,241. FIRESIDE HANDCRAFT COMPANY, Dalton, Ga. Filed Jan. 8, 1940.

Fluffy Anne

Applicant disclaims the word "Fluffy" except as shown.
For Chenille Garments—Namely, Beach Robes, House Coats, Capes, and Evening Coats.
Claims use since Dec. 22, 1935.

Ser. No. 428,610. EDWIN CLAPP & SON, INCORPORATED, East Weymouth, Mass. Filed Feb. 16, 1940.

BREEZE WAYS

For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof for Men, Women, and Children.
Claims use since Jan. 4, 1939.

Ser. No. 429,086. S. AUGSTEIN & Co., College Point, New York, N. Y. Filed Mar. 1, 1940.

Sacony
SWIM-PAK

The words "Swim-Pak" are disclaimed apart from the mark.
For Package Unit Consisting of a Swimming Bag, Bathing Suit, and Hat or Cap, Made of Knitted and Woven Fabrics.
Claims use since May 25, 1920.

Ser. No. 429,130. PACKARD DRESSES INC., New York, N. Y. Filed Mar. 2, 1940.

Needlestripe

For Ladies' and Misses' Dresses, and Dress Ensembles Consisting of Dress and Jacket.
Claims use since Dec. 10, 1937.

Ser. No. 429,306. HUFFMAN FULL FASHIONED MILLS, INC., Morganton, N. C. Filed Mar. 7, 1940.

FLATTERNIT

For Hosiery.
Claims use since Feb. 1, 1940.

Ser. No. 429,447. TEODORO E. E. LAU, New York, N. Y. Filed Mar. 11, 1940.

ELBEO

For Hosiery and Leather and Fabric Gloves.
Claims use since November, 1937.

Ser. No. 429,971. SOL DISICK, INC., New York, N. Y. Filed Mar. 26, 1940.

Original Kay Dee JUNIOR DESIGNS

The words "Original Junior Designs" is disclaimed apart from the mark.
For Women's and Misses' Dresses.
Claims use since Mar. 1, 1940.

Ser. No. 430,248. RUBIN GARMENT MANUFACTURING CO., St. Louis, Mo. Filed Apr. 1, 1940.



Miss America Junior

The picture is fanciful. The words "America" and "Junior" are disclaimed apart from the mark.
For Ladies' Cloth Coats, Plain and Fur Trimmed.
Claims use since Jan. 1, 1940.

Ser. No. 430,250. M. SILBERT & SON, INC., Los Angeles, Calif. Filed Apr. 1, 1940.

Harold Crest

For Women's and Misses' Coats and Suits.
Claims use since Nov. 13, 1939.

Ser. No. 430,284. MILAM MANUFACTURING COMPANY, Tupelo, Miss. Filed Apr. 2, 1940.

My Lamb

For "Bobby" Suits, Boys Wash Suits, Children's Aprons, Girls' Dresses, Playsuits, and Boys' and Girls' Sun Suits.
Claims use since May, 1933.

Ser. No. 430,390. JACOB FINKELSTEIN & SONS, Woonsocket, R. I. Filed Apr. 5, 1940.

"QUIZ-A-COAT"

The word "Coat" is disclaimed apart from the mark.
For Clothing—Namely, Raincoats and Jackets for Men, Women, Boys and Girls.
Claims use since Jan. 3, 1940.

Ser. No. 430,441. DOROTHY R. FOSTER, Passaic, N. J. Filed Apr. 6, 1940.

Dot Foster Jackets

The word "Jacket" is disclaimed apart from the mark.
For Women's and Misses' Jackets.
Claims use since Mar. 12, 1940.

Ser. No. 430,497. ERWIN COTTON MILLS CO., West Durham, N. C. Filed Apr. 8, 1940.

ERWIN MILLS

Applicant is the owner of registration number 143,331 effected under the ten year proviso.
For Men's Shirts, Suits, Trousers, Shorts, Overalls, Dungarees, Sport Jackets, Breeches, Slacks, Pajamas, Beach Robes, and Underwear; Women's Dresses, Skirts, Blouses, Jackets, Culottes, Slacks, Pajamas, Nightgowns, Ski-Suits, Lounging and Beach Robes, Aprons, Underwear, Suits, and Jacket and Slacks Ensembles; Children's Playsuits, Overalls, Dresses, Rompers, Snow-Suits, Shirts, Trousers, Underwear and Suits; and Textile Diapers.
Claims use since November, 1937.

Ser. No. 430,513. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Filed Apr. 8, 1940.



For Men's and Boys' Hats and Caps and Ladies' Hats.
Claims use since March, 1936.

Ser. No. 430,520. RAINBOW SHOPS, INC., Brooklyn, N. Y. Filed Apr. 8, 1940.

CHILL CHASERS
"IT'S SILLY TO BE CHILLY"

For Ladies' Woolen Undergarments—Namely, Vests, Panties, Unionsuits, Slips, Pajamas, and Bed Socks.
Claims use since February, 1935.

Ser. No. 430,572. ALICE IN WONDERLAND FROCKS, INC., New York, N. Y. Filed Apr. 8, 1940.

SPORTEES

For Women's, Misses' and Children's Dresses of Woven Fabrics.
Claims use since Mar. 1, 1940.

Ser. No. 430,657. LEIGHTON HATS INC., New York, N. Y. Filed Apr. 11, 1940.

SUN SET BOULEVARD FASHIONS

Applicant disclaims the word "Fashions."
For Ladies' Hats.
Claims use since Aug. 30, 1939.

Ser. No. 430,690. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Filed Apr. 12, 1940.

THE champ

For Men's and Boys' Hats and Caps.
Claims use since March, 1933.

Ser. No. 430,749. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Apr. 13, 1940.

STETSON SLANT

Applicant is the owner of T.-M. Reg. No. 51,990, dated May 1, 1906, the subject of which is "Stetson" for hats and caps registered under the 10 years' use proviso of the act of 1905, and duly renewed.
For Hats and Caps for Men, Women, and Children.
Claims use since Apr. 10, 1940.

Ser. No. 430,851. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Apr. 17, 1940.

ALTRO

For Collars and Outer Shirts.
Claims use since 1907.

Ser. No. 430,852. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Apr. 17, 1940.

ARTHON

For Collars.
Claims use since 1904.

Ser. No. 430,904. HARRY FISCHER & Co., Philadelphia Pa. Filed Apr. 18, 1940.

BALLADIER

For Men's and Young Men's Topcoats and Overcoats.
Claims use since Mar. 21, 1940.

Ser. No. 430,918. LEVIN, HARRIS, SMITH, INC., New York, N. Y. Filed Apr. 18, 1940.

Big Towne

For Men's and Boys' Dress, Negligee, Sport, and Work Shirts.
Claims use since Mar. 1, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 426,594. ADAM HAT STORES, INC., New York, N. Y. Filed Dec. 15, 1939.

Adamized

For Piece Goods of Cotton, Rayon, Silk and Linen Used in Making Men's Shirts and Ties.
Claims use since Oct. 20, 1939.

Ser. No. 426,995. BLOCH FRERES, INC., New York, N. Y. Filed Dec. 30, 1939.

TRÈBO

For Textile Piece Goods Made Partly of Linen and Partly of Cotton.
Claims use since April, 1938.

Ser. No. 428,589. JACOB A. RUBENSTEIN, New York, N. Y., assignor to Security Mills, Inc., Newton, Mass., a corporation of Maine. Filed Feb. 15, 1940.

GLO-TONE

For Knitted Pile Fabrics in the Piece, of Cotton Base, Combination Wool, Rayon, and Mohair Used in the Manufacture of Coats and Suits.
Claims use since June 21, 1937.

Ser. No. 429,052. J. M. HERON & Co. LIMITED, Bradford, England. Filed Feb. 29, 1940.

HERONEL

For Linings in the Piece and Water Repellent Piece Goods All Being Goods Composed Wholly or Mainly of Cotton.
Claims use since May, 1935.

Ser. No. 430,505. GRANITE FABRICS, INC., New York, N. Y. Filed Apr. 8, 1940.

Jersianna

For Rayon and Acetate Knitted Piece Goods.
Claims use since Dec. 4, 1939.

Ser. No. 430,564. SAM SEELENFREUND, doing business as The Quiltex Co., New York, N. Y. Filed Apr. 9, 1940.

"Blanquilt"

For Bed Covering, Particularly Quilts and Blankets, Buntings, and Combination Quilts and Blankets.
Claims use since January, 1936.

Ser. No. 430,843. SANCO PIECE DYE WORKS, INC., Garnerville and New York, N. Y. Filed Apr. 16, 1940.

RAYOLIN

For Dyed and Finished Rayon, Acetate, Silk, and Cotton Fabrics, and Combinations Thereof.
Claims use since Mar. 1, 1939.

Ser. No. 430,901. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Apr. 20, 1940.

Trylon Twist

Applicant disclaims the word "Twist" except as shown.
For Three-Ply Worsted Men's-Wear Suiting in the Piece.
Claims use since May 10, 1939.

CLASS 43

Thread and Yarn

Ser. No. 424,865. CALLAWAY MILLS, La Grange, Ga. Filed Oct. 25, 1939.

T-2

For Yarns.
Claims use since Oct. 20, 1939.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 424,964. LORICA LABORATORIES, INC., Jersey City, N. J. Filed Oct. 27, 1939.

"Shorts"

For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since July 31, 1939.

Ser. No. 425,580. THE MEDICO SUPPLY CO., San Francisco, Calif. Filed Nov. 13, 1939.

THE OXYCON INHALER

The word "Inhaler" is disclaimed apart from the mark.
For Instrument for Administering Oxygen.
Claims use since Sept. 7, 1939.

Ser. No. 431,171. MEDICAL PRODUCTS INSTITUTE, INC., Cincinnati, Ohio. Filed Apr. 24, 1940.

HAYRIN

For Filter Pads Which Are Cotton Pads To Be Inserted Into a Container Which Container Is Placed Into the Nostrils for the Purpose of Filtering Air Inhaled Through the Nostrils, and Nasal Filters Which Are Mechanical Devices [illegible] Inserted Into the Nostrils, Which Devices Are So Constructed That They Will Hold a Filtering Medium.
Claims use since Feb. 3, 1940.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 410,547. JULIUS LASCHINGER, INC., Brooklyn, N. Y. Filed Sept. 14, 1938.

Harzer Yodler

The word "Harzer" is disclaimed apart from the mark.
For Cheese.
Claims use since Dec. 13, 1937.

Ser. No. 423,847. CECIL A. ALEXANDER, doing business as Choctail Associates, Atlanta, Atlanta, Ga. Filed Sept. 22, 1939.

CHOCTAIL

For Chocolate Milk Food Beverage.
Claims use since Aug. 1, 1938.

Ser. No. 424,153. ALBERS BROS. MILLING COMPANY, Portland, Oreg. Filed Oct. 3, 1939.



For Dog Food.
Claims use since Apr. 11, 1934.

Ser. No. 428,343. MORNINO MILK COMPANY, Salt Lake City, Utah. Filed Feb. 6, 1940.

Skimko

For Canned Evaporated Skim Milk.
Claims use since Aug. 29, 1939.

Ser. No. 428,823. PERFECT FOODS, INC., Lansdale, Pa. Filed Feb. 23, 1940.

Sweetzels
Old Fashioned
COOKIES

The words "Old Fashioned Cookies" are disclaimed except as shown.
For Cookies.
Claims use since January, 1934.

Ser. No. 428,862. CONTINENTAL FOODS, INC., Chicago, Ill. Filed Feb. 24, 1940.

CONTINENTAL

For Packaged Soup.
Claims use since Sept. 28, 1939.

Ser. No. 429,698. GENERAL MILLS, INC., Minneapolis, Minn. Filed Mar. 18, 1940.

THE GOOD MORNING BREAKFAST DISH

Applicant is the owner, by mesne assignments, of United States Trade-Mark Registration No. 282,079. Applicant disclaims the words "Breakfast Dish" apart from the mark.

For Food Products, Particularly Oat Cereal Breakfast Food.
Claims use since Mar. 5, 1940.

Ser. No. 429,795. STRAZZULLA BROTHERS, INC., Boston, Mass. Filed Mar. 20, 1940.

JOEY BOY

The picture is that of Joey Strazzulla.
For Fresh Vegetables Especially Fresh Tomatoes.
Claims use since Feb. 1, 1940.

Ser. No. 429,970. CHEMICAL CENTER CORPORATION, New York, N. Y. Filed Mar. 26, 1940.

HANDILLA

For Vanilla Sugar.
Claims use since Feb. 1, 1940.

Ser. No. 430,139. JOHN R. MAZIARZ, doing business as Russet Potato Chip Co., Fairview, Mass. Filed Mar. 29, 1940.

RUSSET

The word "Russett" is disclaimed apart from the mark.
For Potato Chips.
Claims use since Apr. 1, 1931.

Ser. No. 430,147. SALVATORE J. PISCIUNERI, doing business as No-La Prepared Food Company, Springfield, Mass. Filed Mar. 29, 1940.

No-La

For Italian Grated Cheese, Spaghetti Sauces, Spaghetti, Cocktail Sauce, Beans and Macaroni, Combined in a Sauce, Macaroni, Garlic, and a Spiced Mixture as a Preparation for Meat Balls.
Claims use since June 5, 1939.

Ser. No. 430,512. OTTO L. KUEHN CO., Milwaukee, Wis. Filed Apr. 8, 1940.

Sno-White

The words "Sno-White" are disclaimed apart from the mark.
For Rice.
Claims use since Feb. 15, 1938.

Ser. No. 430,709. AKTIESELSKABET GRINDSTEDVAERKET, Grindsted, Denmark. Filed Apr. 13, 1940.

Cremodan

For Emulsifying and Stabilizing Agents for Use in the Production of Ice Cream.
Claims use since May 23, 1939.

Ser. No. 430,835. RALPH E. MYERS, doing business as Ralph E. Myers Co., Salinas, Calif. Filed Apr. 16, 1940.

LIFE

For Fresh Vegetables—Namely, Fresh Lettuce.
Claims use since Apr. 9, 1940.

Ser. No. 430,844. J. L. THOMPSON, doing business as J. L. Thompson Company, Salinas, Calif. Filed Apr. 16, 1940.

GOLD BASE

For Fresh Vegetables.
Claims use since Dec. 27, 1937.

Ser. No. 430,986. ALFRED CATANZARO, doing business as A. Catanzaro & Co., Long Island City, N. Y. Filed Apr. 22, 1940.

MADRE CABRINI

The portrait is that of Mother Cabrini, deceased.
For Blended Vegetable Oil.
Claims use since Jan. 2, 1940.

Ser. No. 431,008. LAMONT, CORLISS & COMPANY, New York, N. Y. Filed Apr. 20, 1940.

Toll House

For Cookies.
Claims use since Apr. 10, 1940.

Ser. No. 431,070. MURPHY RANCH CO., East Whittier, Calif. Filed Apr. 22, 1940.

Two Star

Applicant is owner of Registration No. 322,337, dated March 5, 1935 covering Three Star and Registration No. 320,353 dated December 25, 1934 covering One Star.
For Fresh Citrus Fruit.
Claims use since June 22, 1938.

Ser. No. 431,141. J. BOND & COMPANY, INC., New York, N. Y. Filed Apr. 24, 1940.

Stancourt

For Canned Fruits and Vegetables.
Claims use since Oct. 2, 1939.

Ser. No. 428,862. CONTINENTAL FOODS, INC., Chicago, Ill. Filed Feb. 24, 1940.

CONTINENTAL

For Packaged Soup.
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Claims use since Feb. 1, 1940.

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Claims use since June 5, 1939.

Ser. No. 430,512. OTTO L. KUEHN CO., Milwaukee, Wis. Filed Apr. 8, 1940.

Sno-White

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For Rice.
Claims use since Feb. 15, 1938.

Ser. No. 430,709. AKTIESELSKABET GRINDSTEDVAERKET, Grindsted, Denmark. Filed Apr. 13, 1940.

Cremodan

For Emulsifying and Stabilizing Agents for Use in the Production of Ice Cream.
Claims use since May 23, 1939.

Ser. No. 430,835. RALPH E. MYERS, doing business as Ralph E. Myers Co., Salinas, Calif. Filed Apr. 16, 1940.

LIFE

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Claims use since Apr. 9, 1940.

Ser. No. 430,844. J. L. THOMPSON, doing business as J. L. Thompson Company, Salinas, Calif. Filed Apr. 16, 1940.

GOLD BASE

For Fresh Vegetables.
Claims use since Dec. 27, 1937.

Ser. No. 430,986. ALFRED CATANZARO, doing business as A. Catanzaro & Co., Long Island City, N. Y. Filed Apr. 22, 1940.

MADRE CABRINI

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For Blended Vegetable Oil.
Claims use since Jan. 2, 1940.

Ser. No. 431,008. LAMONT, CORLISS & COMPANY, New York, N. Y. Filed Apr. 20, 1940.

Toll House

For Cookies.
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Ser. No. 431,070. MURPHY RANCH CO., East Whittier, Calif. Filed Apr. 22, 1940.

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For Fresh Citrus Fruit.
Claims use since June 22, 1938.

Ser. No. 431,141. J. BOND & COMPANY, INC., New York, N. Y. Filed Apr. 24, 1940.

Stancourt

For Canned Fruits and Vegetables.
Claims use since Oct. 2, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 427,748. THE OLD MONASTERY CO., Seattle, Wash. Filed Jan. 22, 1940.



Applicant disclaims the name "Taylor Martin" apart from the mark.

For Blended Scotch Type Whiskey.

Claims use since Aug. 10, 1935.

Ser. No. 431,535. PENNSYLVANIA DISTILLING CO., INC., Philadelphia and Logansport, Pa. Filed May 3, 1940.



For Whiskey.

Claims use since Apr. 13, 1940.

CLASS 50

Merchandise Not Otherwise Classified

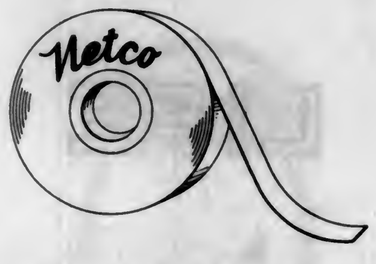
Ser. No. 426,800. BRODY MFG. CO., NOT INC., Chicago, Ill. Filed Dec. 21, 1939.

babyKin

For Stockinette Sheets Made With Rubber Insert; Flannel Sheets Made With Rubber Insert; Mattress Covers Made of Rubberized Waterproof Flannel; and Waterproofed Diaper Pads Made of Rubberized Flannel.

Claims use since August, 1938.

Ser. No. 427,388. NEW ENGLAND TAPE CO., INC., Hudson, Mass. Filed Jan. 12, 1940.



The representation of a roll of tape is disclaimed when apart from the mark.

For Tapes Formed of Filler and Resin and Tapes Formed of a Resin, With Water-Proofing and Other Protective Characteristics.

Claims use since Oct. 23, 1939.

Ser. No. 427,761. METAKLOTH COMPANY, Lodi, N. J. Filed Jan. 28, 1940.

SEDG-GRAS

For Waterproof Knitted, Netted, and Woven Textile Fabrics—Namely, Cotton Ducks, Twills, Drills, and Chain Cloths.

Claims use since May 3, 1939.

Ser. No. 427,911. RIVERDALE MANUFACTURING CO., INC., New York, N. Y. Filed Jan. 26, 1940.

BLEND-a-GRAPH

For Display Devices in the Nature of Color Charts for Wearing Apparel and Textile Fabrics, Sold as Such.

Claims use since Sept. 8, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 18, 1940

378,704. TIRE CORD. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed December 24, 1937. Serial No. 401,214. PUBLISHED APRIL 9, 1940. Class 7.

378,705. ABRASIVE WHEELS OR DISKS. GARDNER MACHINE COMPANY, South Beloit, Ill.
Filed March 21, 1938. Serial No. 404,302. PUBLISHED APRIL 2, 1940. Class 4.

378,706. PAPER AND PASTEBOARD BOXES AND DISHES FOR HOLDING FOODS, AND FOR PAPER AND PASTEBOARD HOLDERS FOR PAPER CUPS. EDWIN R. BARNEY, East Cambridge, Mass.
Filed June 29, 1938. Serial No. 408,001. PUBLISHED JULY 11, 1939. Class 2.

378,707. INTAGLIO INK. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed July 18, 1938. Serial No. 408,604. PUBLISHED APRIL 9, 1940. Class 11.

378,708. FRESH DATES, AND CITRUS FRUITS. IRENE L. JOHNSON, doing business as Sun Gold Date Gardens, Indio, Calif.
Filed August 15, 1938. Serial No. 409,615. PUBLISHED APRIL 9, 1940. Class 46.

378,709. BEER. MANHATTAN BREWING CO., Chicago, Ill.
Filed November 19, 1938. Serial No. 412,977. PUBLISHED APRIL 9, 1940. Class 48.

378,710. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF DISEASE. HOLLAND RANTOS COMPANY, INC., New York, N. Y.
Filed December 17, 1938. Serial No. 413,947. PUBLISHED APRIL 9, 1940. Class 44.

378,711. CHARTS FOR USE ON MACHINES FOR TESTING THE STRENGTH OR STRETCH OF MATERIAL. HENRY L. SCOTT COMPANY, Providence, R. I.
Filed January 14, 1939. Serial No. 414,838. PUBLISHED APRIL 9, 1940. Class 26.

378,712. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS. INDEPENDENT WALL PAPER COMPANY, doing business as Independent Wall Paper and Paint Stores, Pittsburgh, Pa.
Filed February 2, 1939. Serial No. 415,534. PUBLISHED APRIL 9, 1940. Class 16.

378,713. COCOA AND CHOCOLATE. WALTER BAKER & COMPANY, INC., New York, N. Y.
Filed February 25, 1939. Serial No. 416,398. PUBLISHED APRIL 9, 1940. Class 46.

378,714. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed March 30, 1939. Serial No. 417,665. PUBLISHED APRIL 9, 1940. Class 47.

378,715. POCKET KNIVES. COLONIAL KNIFE COMPANY, INC., Providence, R. I.
Filed April 15, 1939. Serial No. 418,293. PUBLISHED APRIL 9, 1940. Class 23.

378,716. ICE CREAM PRODUCTS—NAMELY, BULK ICE CREAM, ICE CREAM POPS, ICE CREAM FUDGES, ICE CREAM CUPS, ICE CREAM SUNDAES, ICE CREAM SANDWICHES, ICE CREAM BRICKS. KROLL BROTHERS, New York, N. Y.
Filed April 22, 1939. Serial No. 418,618. PUBLISHED APRIL 9, 1940. Class 46.

378,717. CHEESE FOOD COMPRISING PROCESSED AMERICAN CHEESE. BEATRICE CREAMERY COMPANY, Chicago, Ill.
Filed June 13, 1939. Serial No. 420,445. PUBLISHED APRIL 9, 1940. Class 46.

378,718. MAGNETIC MEASURING GAGES FOR DETERMINING THE THICKNESS OF COATINGS. AMERICAN INSTRUMENT COMPANY, Silver Spring, Md.
Filed July 25, 1939. Serial No. 421,919. PUBLISHED APRIL 9, 1940. Class 26.

378,719. CLOSURE DEVICES FOR CONTAINERS—NAMELY, BOTTLES, JARS, JUGS, AND SIMILAR DEVICES HAVING FILLING AND DISCHARGE OPENINGS ADAPTED TO BE CLOSED BY STOPPERS. BUTLER PRODUCTS CORPORATION, New York, N. Y.
Filed August 7, 1939. Serial No. 422,353. PUBLISHED APRIL 9, 1940. Class 50.

378,720. MEN'S, WOMEN'S, AND CHILDREN'S SWIMMING SUITS, SUN SUITS, SWIMMING TRUNKS, SWEATERS, AND UNDERWEAR. GANTNER & MATTERN COMPANY, San Francisco, Calif.
Filed August 16, 1939. Serial No. 422,668. PUBLISHED APRIL 2, 1940. Class 39.

378,721. ARTICLES OF CLOTHING FOR MEN AND WOMEN—NAMELY, SUITS, COATS, TROUSERS, OVERCOATS, AND RAINCOATS. TIP TOP TAILORS, INC., Linden, N. J.
Filed August 21, 1939. Serial No. 422,837. PUBLISHED APRIL 9, 1940. Class 39.

378,722. COGNAC. UNION COOPERATIVE DE VITICULTEURS CHARENTAIS, Cognac, France.
Filed August 25, 1939. Serial No. 423,016. PUBLISHED OCTOBER 10, 1939. Class 49.

378,723. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed September 20, 1939. Serial No. 423,777. PUBLISHED APRIL 9, 1940. Class 47.

378,724. TYPEWRITER RIBBONS AND CARBON PAPER. QUEEN RIBBON & CARBON CO., INC., Brooklyn, N. Y.
Filed October 2, 1939. Serial No. 424,140. PUBLISHED MARCH 12, 1940. Class 11.

378,725. EXOTHERMIC METALLURGICAL CHROME ALLOYING MATERIALS. CHROMIUM MINING & SMELTING CORPORATION, LIMITED, Hamilton, Ontario, and Sault Ste. Marie, Ontario, Canada.
Filed October 21, 1939. Serial No. 424,762. PUBLISHED APRIL 9, 1940. Class 1.

378,726. ENVELOPES FOR LOOSE-LEAF BOOKS. GEL-STEN SUPPLY CO., INC., Monterey Park, Calif., and Brookfield, Ill.
Filed October 21, 1939. Serial No. 424,770. PUBLISHED APRIL 9, 1940. Class 37.

378,727. LAUNDRY SERVICE BAGS, SAID BAGS BEING OF CANVAS OR LIKE MATERIAL, WHICH ARE BOTH SOLD AND LEASED (IN EMPTY CONDITION) IN INTERSTATE TRADE, TO LAUNDRY AND CLEANING ESTABLISHMENTS. THE BAG O' WASH SALES COMPANY OF AMERICA, INC., Hartford, Conn.
Filed October 27, 1939. Serial No. 424,940. PUBLISHED MARCH 19, 1940. Class 2.

378,728. ADHESIVES—NAMELY, RUBBER CEMENT, LIQUID SOLDER, CEMENT FOR REPAIRING CHINA, GLASS, CROCKERY, ETC. THE AMERICAN PRODUCTS COMPANY, doing business as The Visco Chemical Products Co. and Veeco Chemical Products Co., Cincinnati, Ohio.
Filed October 28, 1939. Serial No. 424,985. PUBLISHED APRIL 9, 1940. Class 5.

378,729. HOSIERY. HESS-TAYLOR-KREISS INC., New York, N. Y.
Filed November 3, 1939. Serial No. 425,201. PUBLISHED APRIL 9, 1940. Class 39.

378,730. WATCHES. LEONARD KROWER & SON, INC., New Orleans, La.
Filed November 2, 1939. Serial No. 425,214. PUBLISHED APRIL 9, 1940. Class 27.

378,731. DRY CELL BATTERIES. RED-BAR BATTERY COMPANY, doing business as Red-Bar Battery Corp., Dayton, Ohio.
Filed November 6, 1939. Serial No. 425,302. PUBLISHED APRIL 9, 1940. Class 21.

378,732. DRY, PASTE, AND READY MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. VITA-VAR CORPORATION, Newark, N. J.
Filed November 6, 1939. Serial No. 425,317. PUBLISHED APRIL 2, 1940. Class 16.

378,733. SILK AND RAYON PIECE GOODS. ANNETTA DRESSES INC., New York, N. Y.
Filed November 10, 1939. Serial No. 425,506. PUBLISHED APRIL 9, 1940. Class 42.

378,734. SHAVING CREAM. THE TRADE LABORATORIES, INC., Newark, N. J.
Filed November 18, 1939. Serial No. 425,820. PUBLISHED APRIL 9, 1940. Class 4.

378,735. FIBER SHIPPING DRUMS. THE CONTAINER COMPANY, Van Wert, Ohio.
Filed November 24, 1939. Serial No. 425,914. PUBLISHED MARCH 19, 1940. Class 2.

378,736. GLUES. THE BORDEN COMPANY, New York, N. Y.
Filed November 27, 1939. Serial No. 425,978. PUBLISHED MARCH 19, 1940. Class 5.

378,737. HOUSEHOLD TEXTILE FABRICS, AND MORE PARTICULARLY TABLECLOTHS, NAPKINS, AND DOILIES, SOLD INDIVIDUALLY AND IN SETS, TOWELS, SCARFS, AND PIECE GOOD LINENS. F. FRISCH, INC., New York, N. Y.
Filed November 27, 1939. Serial No. 425,992. PUBLISHED APRIL 9, 1940. Class 42.

378,738. MISSES' AND WOMEN'S DRESSES, SLACKS, OUTER SHORTS, SHIRTS, SKIRTS, BADMINTON AND TENNIS SHORTSUITS AND DRESSES, JACKETS, PLAYSUITS, AND SLACKSUITS. STRAUS, ROYER & STRASS, Baltimore, Md.
Filed December 5, 1939. Serial No. 426,273. PUBLISHED APRIL 2, 1940. Class 39.

378,739. PAPER BAGS. TAGGART CORPORATION, New York, N. Y.
Filed December 12, 1939. Serial No. 426,502. PUBLISHED MARCH 19, 1940. Class 2.

378,740. UNDERWEAR, SPORT SHIRTS, PAJAMAS, AND DRESS SHIRTS FOR MEN, WOMEN, AND CHILDREN. SAMUEL ROTHKOPF & SON, New York, N. Y.
Filed December 15, 1939. Serial No. 426,629. PUBLISHED APRIL 2, 1940. Class 39.

378,741. LAWN FERTILIZER. WILLIAM E. MATHIAS, Sterling, Colo.
Filed December 14, 1939. Serial No. 426,637. PUBLISHED APRIL 2, 1940. Class 10.

378,742. SAUSAGE AND MEAT LOAF BINDER. PHIL HANTOVER, INC., Kansas City, Mo.
Filed December 18, 1939. Serial No. 426,697. PUBLISHED APRIL 9, 1940. Class 46.

378,743. MEN'S AND BOYS' OUTER CLOTHING, PARTICULARLY SUITS, TROUSERS, VESTS, CLOTH COATS AND CLOTH JACKETS. WITTY BROS. INC., New York, N. Y.
Filed December 18, 1939. Serial No. 426,721. PUBLISHED APRIL 9, 1940. Class 39.

378,744. AIR CONDITIONERS, COAL FURNACES AND BOILERS, GAS FURNACES AND BOILERS, OIL FURNACES AND BOILERS, OIL BURNERS FOR FURNACES, AND HUMIDIFIERS FOR FURNACES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed December 19, 1939. Serial No. 426,748. PUBLISHED APRIL 9, 1940. Class 34.

378,745. SEMI-RIGID GAS APPLIANCE TUBING FITTINGS. AMERICAN GAS ASSOCIATION, INC., New York, N. Y.
Filed December 20, 1939. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 426,754. PUBLISHED APRIL 9, 1940. Class 13.

378,746. BROOMS AND MOPS. EARLE WHOLESALE GROCERY CO., Earle, Ark.
Filed December 20, 1939. Serial No. 426,765. PUBLISHED APRIL 9, 1940. Class 29.

378,747. PAINT BRUSHES, VARNISH BRUSHES, KALSOMINE BRUSHES, WHITEWASH BRUSHES, ROOF BRUSHES, STIPPLING BRUSHES, ETC. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed December 20, 1939. Serial No. 426,788. PUBLISHED APRIL 9, 1940. Class 29.

378,748. BATHING SUITS AND TRUNKS. THE B. V. D. CORPORATION, New York, N. Y.
Filed December 21, 1939. Serial No. 426,797. PUBLISHED APRIL 9, 1940. Class 39.

378,749. CANNED VEGETABLES. SAN JOSE CANNING COMPANY, San Jose, Calif.
Filed December 23, 1939. Serial No. 426,869. PUBLISHED APRIL 9, 1940. Class 46.

378,750. HEATING APPARATUS AND PARTS THEREOF AND ACCESSORIES THEREFOR—NAMELY, OIL BURNERS, BOILERS, RADIATORS. PHILLIPS LEAD & SUPPLY CO., Providence, R. I.
Filed December 27, 1939. Serial No. 426,934. PUBLISHED APRIL 9, 1940. Class 34.

378,751. WIRE STITCHING MACHINES. HOFFERT MACHINE COMPANY, INC., Racine, Wis.
Filed December 29, 1939. Serial No. 426,979. PUBLISHED APRIL 9, 1940. Class 23.

378,752. TOOTH BRUSHES. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed December 29, 1939. Serial No. 426,994. PUBLISHED APRIL 9, 1940. Class 29.

378,753. HOSIERY. FRIEDMAN HOSIERY CORP., New York, N. Y.
Filed January 2, 1940. Serial No. 427,072. PUBLISHED APRIL 9, 1940. Class 39.

378,754. THIN, SUBSTANTIALLY COLORLESS LIQUID WHICH FLOWS FREELY AND WHICH WILL COACT WITH PORTIONS OF FILM OF VARIOUS KINDS TO CAUSE THEM TO STICK TOGETHER FOR SPLICING OR LAMINATING FILMS OR THE LIKE, TOGETHER. LARRY STRONG, INC., Chicago, Ill.
Filed January 2, 1940. Serial No. 427,095. PUBLISHED APRIL 2, 1940. Class 5.

378,755. WOMEN'S DRESSES, MISSES' DRESSES, AND DRESSES FOR CHILDREN AND WOMEN'S HOUSECOATS. GAIL CARNOGY INCORPORATED, Philadelphia, Pa.
Filed January 5, 1940. Serial No. 427,157. PUBLISHED APRIL 2, 1940. Class 39.

378,756. CLEANING COMPOSITION FOR LACQUERED SURFACES, A CLEANING COMPOSITION FOR GLASS AND ENAMEL, AND A CLEANING FLUID FOR TEXTILE FABRICS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed January 5, 1940. Serial No. 427,172. PUBLISHED APRIL 2, 1940. Class 4.

378,757. FRESH BERRIES. BARGER & GOLIGHTLY, Paducah, Ky.
Filed January 6, 1940. Serial No. 427,187. PUBLISHED APRIL 9, 1940. Class 46.

378,758. WIRE CONVEYOR BELTS FOR INDUSTRIAL PURPOSES. KORB-PETTIT WIRE FABRICS & IRON WORKS, INC., Philadelphia, Pa.
Filed January 8, 1940. Serial No. 427,247. PUBLISHED APRIL 9, 1940. Class 23.

378,759. TARPAULINS AND TENTS. CLIFTON MANUFACTURING COMPANY, Waco, Tex.
Filed January 11, 1940. Serial No. 427,333. PUBLISHED APRIL 9, 1940. Class 50.

378,760. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES, NURSING NIPPLES, INFANTS' PACIFIERS, SURGEONS' GLOVES, AND PESSARIES. S. HEINZ EDELMUTH, Elmhurst, N. Y.
Filed January 11, 1940. Serial No. 427,341. PUBLISHED APRIL 9, 1940. Class 44.

378,761. WHEAT FLOUR. DISTRIBUTORS TRUCKING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,354. PUBLISHED APRIL 9, 1940. Class 46.

378,762. WHEAT FLOUR. DISTRIBUTORS TRUCKING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,355. PUBLISHED APRIL 9, 1940. Class 46.

378,763. WHEAT FLOUR. DISTRIBUTORS TRUCKING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,356. PUBLISHED APRIL 9, 1940. Class 46.

378,764. LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES, CONSISTING OF DRESS AND COAT. DAVID CRYSTAL INC., New York, N. Y.
Filed January 12, 1940. Serial No. 427,365. PUBLISHED APRIL 9, 1940. Class 39.

378,765. CARTONS AND DISPLAY PACKAGES AND CUT-OUT BLANKS FOR FORMING THE SAME MADE OF FIBER BOARD, CORRUGATED BOARD AND OTHER LIKE MATERIAL. SEABOARD CONTAINER CORPORATION, Philadelphia, Pa.
Filed January 12, 1940. Serial No. 427,394. PUBLISHED MARCH 19, 1940. Class 2.

378,766. RIBBON COMPOSED OF A PLURALITY OF PARALLEL COTTON THREADS OR STRANDS ADHERED TOGETHER BY AN ADHESIVE FOR TYING PACKAGES AND OTHER USES. FREYDBERG BROS., INC., Stamford, Conn.
Filed January 13, 1940. Serial No. 427,427. PUBLISHED APRIL 9, 1940. Class 42.

378,767. CORD IMPREGNATED AND COATED WITH A CELLULOSIC MATERIAL FOR TYING PACKAGES AND OTHER USES. FREYDBERG BROS., INC., Stamford, Conn.
Filed January 13, 1940. Serial No. 427,428. PUBLISHED MARCH 12, 1940. Class 7.

378,768. WOMEN'S HOSIERY. RICH'S, INC., Atlanta, Ga.
Filed January 13, 1940. Serial No. 427,443. PUBLISHED APRIL 9, 1940. Class 39.

378,769. DICTATING MACHINES FOR RECORDING AND REPRODUCING DICTATION OR OTHER SOUNDS. BENJAMIN A. SCHIFF, Chicago, Ill.
Filed January 13, 1940. Serial No. 427,445. PUBLISHED APRIL 9, 1940. Class 36.

378,770. TELEPHOTO LENSES, PHOTOGRAPHIC LENSES, AND CAMERAS. UNIVERSAL CAMERA CORPORATION, New York, N. Y.
Filed January 13, 1940. Serial No. 427,447. PUBLISHED APRIL 9, 1940. Class 26.

378,771. RADIO RECEIVING SETS. PREMIUM PRODUCTS MFG. CO., Chicago, Ill.
Filed January 15, 1940. Serial No. 427,474. PUBLISHED APRIL 9, 1940. Class 21.

378,772. WOMEN'S SLIPS. VOGUE LINGERIE CO., New York, N. Y.
Filed January 15, 1940. Serial No. 427,484. PUBLISHED APRIL 2, 1940. Class 39.

378,773. DIARIES, BLANK BOOKS, AND RECORD BOOKS. BENZION I. GRAND, Brooklyn, N. Y.
Filed January 16, 1940. Serial No. 427,504. PUBLISHED APRIL 9, 1940. Class 37.

378,774. HOSIERY. LOWELL TEXTILE COMPANY, Greenfield, Ohio.
Filed January 16, 1940. Serial No. 427,509. PUBLISHED APRIL 2, 1940. Class 39.

378,775. MEN'S AND BOYS' TROUSERS AND SLACKS. SOL NEWMAN INC., New York, N. Y.
Filed January 16, 1940. Serial No. 427,515. PUBLISHED APRIL 2, 1940. Class 39.

378,776. CIGARETTES. BENSON AND HEDGES, New York, N. Y.
Filed January 17, 1940. Serial No. 427,526. PUBLISHED APRIL 9, 1940. Class 17.

378,777. FRESH VEGETABLES. D'ARRIGO BROS. COMPANY, San Jose, Calif.
Filed January 17, 1940. Serial No. 427,533. PUBLISHED APRIL 9, 1940. Class 46.

378,778. GLUE. SWIFT AND COMPANY, Chicago, Ill.
Filed January 17, 1940. Serial No. 427,561. PUBLISHED MARCH 19, 1940. Class 5.

378,779. BLEND OF PROTEINS, VITAMINS, IODINE, AND MINERALS USED IN THE PREPARATION OF POULTRY RATIONS, TURKEY, AND DUCK FEED, HOG CONCENTRATES, DOG AND FOX FEEDS, PIG MEAL, AND DAIRY RATION CONCENTRATES. LACTO-VEE PRODUCTS CO., Dayton, and Blanchester, Ohio.
Filed January 19, 1940. Serial No. 427,630. PUBLISHED APRIL 9, 1940. Class 46.

378,780. INKS, PARTICULARLY DUPLICATING INKS, STAMP PAD INKS, AND WRITING INK, CARBON PAPER, STAMP PADS, TYPEWRITER RIBBONS. ALLIED CARBON AND RIBBON MFG. CORP., New York, N. Y.
Filed January 22, 1940. Serial No. 427,690. PUBLISHED APRIL 2, 1940. Class 11.

378,781. MEN'S, WOMEN'S, AND CHILDREN'S COMPLETE SUITS, TOP-COATS, OVERCOATS, TROUSERS, SLACKS, ETC. I. ASKINAS & SON, New York, N. Y.
Filed January 22, 1940. Serial No. 427,695. PUBLISHED APRIL 2, 1940. Class 39.

378,782. ELASTIC, PLIABLE, AND FLEXIBLE ADHESIVE TO BE USED FOR SECURING VEGETABLE FIBER BOARD, BLOCK, TILE, AND THE LIKE TO WALLS AND CEILINGS. THE INSULITE COMPANY, Minneapolis, Minn.
Filed January 22, 1940. Serial No. 427,713. PUBLISHED APRIL 2, 1940. Class 5.

378,783. BABBITT METAL. ROTOMETALS, INC., San Francisco, Calif.
Filed January 22, 1940. Serial No. 427,720. PUBLISHED APRIL 9, 1940. Class 14.

378,784. SHEETS, PILLOW CASES, AND TURKISH TOWELS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed January 23, 1940. Serial No. 427,754. PUBLISHED APRIL 9, 1940. Class 42.

378,785. TOILET SOAPS, SOAP PASTES, SOAP POWDERS, SOAP CREAMS, AND LIQUID SOAPS. ROGER & GALLET, New York, N. Y.
Filed January 23, 1940. Serial No. 427,774. PUBLISHED APRIL 9, 1940. Class 4.

378,786. FRESH VEGETABLES. D'ARRIGO BROS. COMPANY, San Jose, Calif.
Filed January 24, 1940. Serial No. 427,792. PUBLISHED APRIL 9, 1940. Class 46.

378,787. GLUE, MUCILAGE AND ADHESIVE PASTES. LIBERTY INK COMPANY, Brooklyn, N. Y.
Filed January 24, 1940. Serial No. 427,811. PUBLISHED MARCH 19, 1940. Class 5.

378,788. LADIES' DRESSES. KORACH BROTHERS, Chicago, Ill.
Filed January 25, 1940. Serial No. 427,844. PUBLISHED APRIL 9, 1940. Class 39.

378,789. CASEIN PAINT. RINSHED-MASON COMPANY, Detroit, Mich.
Filed January 25, 1940. Serial No. 427,854. PUBLISHED APRIL 9, 1940. Class 16.

378,790. INKS, PARTICULARLY DUPLICATING INKS, STAMP PAD INKS, AND WRITING INKS, CARBON PAPER, STAMP PADS, TYPEWRITER RIBBONS. ALLIED CARBON AND RIBBON MFG. CORP., New York, N. Y.
Filed January 26, 1940. Serial No. 427,867. PUBLISHED APRIL 2, 1940. Class 11.

378,791. INKS, PARTICULARLY DUPLICATING INKS, STAMP PAD INKS, AND WRITING INKS, CARBON PAPER, STAMP PADS, TYPEWRITER RIBBONS. ALLIED CARBON AND RIBBON MFG. CORP., New York, N. Y.
Filed January 26, 1940. Serial No. 427,868. PUBLISHED APRIL 2, 1940. Class 11.

378,792. BINDING DEVICES MADE OF PLASTIC MATERIAL. CERCLA, INC., Chicago, Ill.
Filed January 26, 1940. Serial No. 427,880. PUBLISHED APRIL 9, 1940. Class 37.

378,793. LADIES' AND MISSES' BLOUSES AND DRESSES. MARK KNEBEL, New York, N. Y.
Filed January 24, 1940. Serial No. 427,919. PUBLISHED APRIL 9, 1940. Class 39.

378,794. PRETZELS. AMERICAN CONE & PRETZEL COMPANY, Philadelphia, Pa.
Filed January 27, 1940. Serial No. 427,923. PUBLISHED APRIL 9, 1940. Class 46.

378,795. PLAIN, COLORED, AND/OR PRINTED FABRICS IMPREGNATED AND/OR COATED WITH A SYNTHETIC COMPOSITION HAVING RUBBER-LIKE CHARACTERISTICS. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed January 27, 1940. Serial No. 427,935. PUBLISHED APRIL 9, 1940. Class 50.

378,796. PLAIN, COLORED, AND/OR PRINTED FABRICS IMPREGNATED AND/OR COATED WITH A SYNTHETIC COMPOSITION HAVING RUBBER-LIKE CHARACTERISTICS. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed January 27, 1940. Serial No. 427,936. PUBLISHED APRIL 9, 1940. Class 50.

378,797. OPEN MESH FABRIC IMPREGNATED AND/OR COATED WITH A PLAIN OR COLORED SYNTHETIC COMPOSITION HAVING RUBBER-LIKE CHARACTERISTICS. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed January 27, 1940. Serial No. 427,939. PUBLISHED APRIL 9, 1940. Class 50.

378,798. WOMEN'S DRESSES. LAURA LEE FROCKS, INC., St. Louis, Mo.
Filed January 29, 1940. Serial No. 427,985. PUBLISHED APRIL 2, 1940. Class 39.

378,799. MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS. KAYLON INC., New York, N. Y.
Filed January 30, 1940. Serial No. 428,035. PUBLISHED APRIL 2, 1940. Class 39.

378,800. LINOLEUM AND OILED CLOTH. STITT & HOWELL, INC., New York, N. Y.
Filed January 30, 1940. Serial No. 428,059. PUBLISHED APRIL 2, 1940. Class 20.

378,801. CIGAR CUTTINGS. JOHN WEISERT TOBACCO Co., St. Louis, Mo.
Filed January 31, 1940. Serial No. 428,092. PUBLISHED APRIL 9, 1940. Class 17.

378,802. PAPER DISPENSING DEVICE FOR DESKS. ZEPHYR AMERICAN CORP., New York, N. Y.
Filed January 31, 1940. Serial No. 428,094. PUBLISHED APRIL 9, 1940. Class 37.

378,803. CIRCULAR, SQUARE, RECTANGULAR AIR DIFFUSERS, DAMPERS, HEATING OR VENTILATING GRILLES, INDUSTRIAL HOT AIR FURNACES FIRED WITH COAL, GAS, OR FUEL OIL. AIR DEVICES, INC., New York, N. Y.
Filed February 1, 1940. Serial No. 428,098. PUBLISHED APRIL 9, 1940. Class 34.

378,804. BEER AND ALE. ATLANTIS IMPORTERS & DISTRIBUTORS, INC., New York, N. Y.
Filed February 1, 1940. Serial No. 428,100. PUBLISHED APRIL 9, 1940. Class 48.

378,805. FRESH VEGETABLES. SAN DIEGO FRUIT & PRODUCE COMPANY, San Diego, Calif.
Filed February 1, 1940. Serial No. 428,133. PUBLISHED APRIL 9, 1940. Class 46.

378,806. FRESH VEGETABLES. SAN DIEGO FRUIT & PRODUCE COMPANY, San Diego, Calif.
Filed February 1, 1940. Serial No. 428,134. PUBLISHED APRIL 9, 1940. Class 46.

378,807. TONERS AND LAKES FOR USE IN INK PIGMENTS. REICHHOLD CHEMICALS INC., Detroit and Ferndale Station, Detroit, Mich.
Filed February 2, 1940. Serial No. 428,171. PUBLISHED APRIL 2, 1940. Class 11.

378,808. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed February 2, 1940. Serial No. 428,173. PUBLISHED APRIL 9, 1940. Class 46.

378,809. CANNED FRUITS AND CANNED FRUIT COMPOTE. F. M. BALL & COMPANY, Oakland, Calif.
Filed February 5, 1940. Serial No. 428,221. PUBLISHED APRIL 9, 1940. Class 46.

378,810. TOOTHPICKS PREPARED FROM BROOM STRAWS. SLACK AND PENDERY, Fort Worth, Tex.
Filed February 5, 1940. Serial No. 428,262. PUBLISHED APRIL 9, 1940. Class 44.

378,811. BEER WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. THE BUCKEYE BREWING Co., Toledo, Ohio.
Filed February 7, 1940. Serial No. 428,301. PUBLISHED APRIL 9, 1940. Class 48.

378,812. CANNED PEACHES, FRUIT COCKTAIL, AND FRUITS FOR SALAD. S. A. WALD & Co., INC., New York, N. Y.
Filed February 7, 1940. Serial No. 428,338. PUBLISHED APRIL 9, 1940. Class 46.

378,813. LIQUID SURFACE CLEANER FOR FLOOR SURFACE, METAL SURFACE, PAINTED SURFACE, AND WOODEN SURFACE CLEANING. BRENNER'S, INC., Belleville, Ill.
Filed February 8, 1940. Serial No. 428,350. PUBLISHED APRIL 2, 1940. Class 4.

378,814. PIECE GOODS BLENDED OF COTTON AND RAYON AND USED FOR MEN'S SHIRTS AND PANTS. AVONDALE MILLS, Birmingham, Ala.
Filed February 9, 1940. Serial No. 428,376. PUBLISHED APRIL 9, 1940. Class 42.

378,815. INFANTS' KNITTED UNDERWEAR. MALONE KNITTING COMPANY, Springfield, Mass.
Filed February 9, 1940. Serial No. 428,396. PUBLISHED APRIL 9, 1940. Class 39.

378,816. SOLVENTS FOR USE IN ENAMELS AND THE LIKE COATING COMPOSITIONS. THE NEVILLE COMPANY, Neville Island, Pa.
Filed February 9, 1940. Serial No. 428,402. PUBLISHED APRIL 9, 1940. Class 16.

378,817. PRIMERS FOR EXPLOSIVES. ATLAS POWDER COMPANY, Wilmington, Del.
Filed February 10, 1940. Serial No. 428,416. PUBLISHED APRIL 9, 1940. Class 9.

378,818. WOMEN'S DRESSES. BARMON BROTHERS COMPANY, INC., Buffalo, N. Y.
Filed February 10, 1940. Serial No. 428,419. PUBLISHED APRIL 9, 1940. Class 39.

378,819. TYPEWRITER RIBBONS AND CARBON PAPER. REMINGTON RAND INC., Buffalo, N. Y.
Filed February 10, 1940. Serial No. 428,442. PUBLISHED APRIL 2, 1940. Class 11.

378,820. SAFETY RAZOR BLADES. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed February 12, 1940. Serial No. 428,477. PUBLISHED APRIL 9, 1940. Class 23.

378,821. BARBERS' SHEARS. CARL MONKHOUSE, San Francisco, Calif.
Filed February 12, 1940. Serial No. 428,497. PUBLISHED APRIL 9, 1940. Class 23.

378,822. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 13, 1940. Serial No. 428,519. PUBLISHED APRIL 9, 1940. Class 42.

378,823. NON-ALCOHOLIC CARBONATED BEVERAGES AND SYRUPS FOR USE IN THE PREPARATION THEREOF, THE SAME BEING OF DIFFERENT FLAVORS. G. C. THOMSEN, doing business as The Glassite Company, Waco, Tex., assignor to The Perfection Company, Waco, Tex., a corporation of Texas.
Filed February 13, 1940. Serial No. 428,525. PUBLISHED APRIL 9, 1940. Class 45.

378,824. SOAP. THE C. B. DOLGE COMPANY, Westport, Conn.
Filed February 14, 1940. Serial No. 428,544. PUBLISHED APRIL 9, 1940. Class 4.

378,825. OPHTHALMIC LENSES. RALPH JOSEPHSON, New York, N. Y.
Filed February 14, 1940. Serial No. 428,555. PUBLISHED APRIL 9, 1940. Class 26.

378,826. KNITTED, NETTED, AND WOVEN TEXTILE FABRICS MADE OF FIBERS OF EITHER ANIMAL, VEGETABLE, OR MINERAL ORIGIN—NAMELY, BRISTLE, HAIR, WOOL, MOHAIR, SILK, GLASS, RAYON, NYLON, SISAL, JUTE, COTTON, HEMP, FLAX, KAPOK, AND RAMIE. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed February 14, 1940. Serial No. 428,560. PUBLISHED APRIL 9, 1940. Class 42.

378,827. PIECE GOODS MADE OF COTTON, WOOL, OR SYNTHETIC FIBRE AND ANY COMBINATION THEREOF. NASHUA MANUFACTURING COMPANY, Boston, Mass.
Filed February 15, 1940. Serial No. 428,584. PUBLISHED APRIL 9, 1940. Class 42.

378,828. COTTON PIECE GOODS. M. LOWENSTEIN & SONS, INC., New York, N. Y.
Filed February 17, 1940. Serial No. 428,650. PUBLISHED APRIL 2, 1940. Class 42.

378,829. VARNISHES. THE SHERWIN-WILLIAMS Co., Cleveland, Ohio.
Filed February 19, 1940. Serial No. 428,705. PUBLISHED APRIL 9, 1940. Class 16.

378,830. SHOWER CURTAINS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed February 21, 1940. Serial No. 428,757. PUBLISHED APRIL 9, 1940. Class 13.

378,831. READY MIXED PAINT, PAINT ENAMEL, AND ALUMINUM PAINT. SAPOLIN Co. INC., New York, N. Y.
Filed February 21, 1940. Serial No. 428,769. PUBLISHED APRIL 9, 1940. Class 16.

378,832. PIECE GOODS OF COTTON, RAYON, SILK, AND WOOL, AND MIXTURES THEREOF. STERN & GUTMAN, INC., New York, N. Y.
Filed February 23, 1940. Serial No. 428,836. PUBLISHED APRIL 9, 1940. Class 42.

378,833. COTTON PIECE GOODS. ALBERT H. VANDAM Co., INC., New York, N. Y.
Filed February 23, 1940. Serial No. 428,844. PUBLISHED APRIL 9, 1940. Class 42.

378,834. STOKERS. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill.
Filed February 23, 1940. Serial No. 428,845. PUBLISHED APRIL 9, 1940. Class 34.

378,835. EXPANSION SHIELDS. U. S. EXPANSION BOLT Co., York, Pa.
Filed February 26, 1940. Serial No. 428,938. PUBLISHED APRIL 9, 1940. Class 13.

378,836. TURN BUCKLES. U. S. EXPANSION BOLT Co., York, Pa.
Filed February 26, 1940. Serial No. 428,939. PUBLISHED APRIL 9, 1940. Class 13.

378,837. DENTURE MATERIALS. EDWARD WOOL, New York, N. Y.
Filed February 27, 1940. Serial No. 428,978. PUBLISHED APRIL 9, 1940. Class 44.

378,838. PIECE GOODS AND BLANKETS MADE WHOLLY OR IN PART OF COTTON, RAYON, AND WOOL. BEACON MANUFACTURING COMPANY, Swannanoa, N. C.
Filed February 29, 1940. Serial No. 429,033. PUBLISHED APRIL 9, 1940. Class 42.

378,839. COTTON PIECE GOODS. ATLAS & BLUHM, INC., New York, N. Y.
Filed March 6, 1940. Serial No. 429,244. PUBLISHED APRIL 16, 1940. Class 42.

378,840. BOATS, PROVIDED WITH BOTH POWER AND SAIL; SAILS; GAFFS. M. M. DAVIS & SON, INCORPORATED, Solomons, Md.
Filed December 11, 1937. Serial No. 400,723. PUBLISHED APRIL 9, 1940. Class 19.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

378,841. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OLDEN MINERALS, INCORPORATED, Los Angeles, Calif. Filed Apr. 18, 1938. Serial No. 405,405.

Arthron

For Pharmaceutical Preparations for Preparing Mineral Baths, Useful in the Treatment of Arthritis, Neuritis, Gout, Rheumatism, and Like Ailments, and for Cleansing the Skin, Removing Dead Tissue, and Opening the Pores of the Skin.
Claims use since Jan. 20, 1938.

378,842. (CLASS 20. LINOLEUM AND OILED CLOTH.) ARMSTRONG CORK PRODUCTS COMPANY, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania. Filed July 13, 1938. Serial No. 408,447.

Safety-Back

For Hard Surface Floor Coverings Including a Stratum of Fibrous Material.
Claims use since July 7, 1938.

378,843. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BARNET D. KAPLAN, doing business as A–1 Drug Manufacturing Company, New York, N. Y. Filed Mar. 8, 1939. Serial No. 416,802.

A-1

For Dental Poultices and Toothache Pads.
Claims use since Apr. 1, 1938.

378,844. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARTER PRODUCTS, INC., New York, N. Y. Filed Apr. 11, 1939. Serial No. 418,091.

NAIR

For Depilatory.
Claims use since Apr. 1, 1939.

378,845. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE LEVY, doing business as Malvy, New York, N. Y. Filed Apr. 11, 1939. Serial No. 418,109.

DEMI-PARFUM

For Perfume.
Claims use since Apr. 4, 1939.

378,846. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GRAND RAPIDS VARNISH CORPORATION, Grand Rapids, Mich. Filed Apr. 28, 1939. Serial No. 418,829.

NU-FIL

For Quick-Drying Fillers for Wood.
Claims use since Mar. 1, 1939.

378,847. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTON SALES COMPANY, Philadelphia, Pa. Filed May 6, 1939. Serial No. 419,138.

KIL-TOX

For Insecticides.
Claims use since 1925.

378,848. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) STEEL MATERIALS CORPORATION, Detroit, Mich. Filed May 10, 1939. Serial No. 419,278.

Lustre-Plate

For Base Metal Cooking Hollowware.
Claims use since Apr. 10, 1939.

378,849. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANVILLE CORP., New York, N. Y. Filed May 22, 1939. Serial No. 419,659.

Jane Elden

For Cream Oil Bleach for Hair, Facial Pack, Mud Pack, Skin Cleanser, Powder Base, Hair Remover, and Nail Preserver.
Claims use since Apr. 1, 1939.

378,850. (CLASS 50. MERCHANDISE NOT OTHERWISE SPECIFIED.) METALO-PLASTICS, INC., Port Washington, N. Y. Filed June 2, 1939. Serial No. 420,108.

"TYTEST"

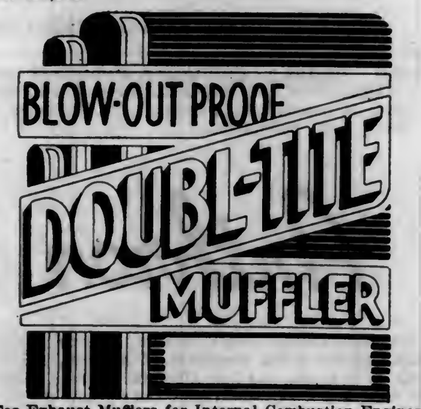
For Bottle Caps.
Claims use since March, 1939.

378,851. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VALLEN, INCORPORATED, Akron, Ohio. Filed July 1, 1939. Serial No. 421,217.



For Electrically Operated Curtain Track Equipment and Controls.
Claims use since Mar. 22, 1939.

378,852. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WINDSOR-LLOYD PRODUCTS, Wilmington, Del. Filed July 7, 1939. Serial No. 421,363.



For Exhaust Mufflers for Internal Combustion Engines.
Claims use since April, 1939.

378,853. (CLASS 32. FURNITURE AND UPHOLSTERY.) W. H. BEAUMONT AND COMPANY, INCORPORATED, Kansas City, Mo. Filed Aug. 17, 1939. Serial No. 422,691.

STA-ZON

For Chair Pads.
Claims use since Apr. 15, 1939.

378,854. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE FORMFIT COMPANY, Chicago, Ill. Filed Aug. 31, 1939. Serial No. 423,167.

Pantie-Shield

For Sanitary Shields.
Claims use since April, 1939.

378,855. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GRAEF & SCHMIDT, INC., New York, N. Y. Filed Sept. 6, 1939. Serial No. 423,333.

ROLL-O-EDGE

For Cutlery Made of Base Metals—Namely Knives.
Claims use since Aug. 1, 1938.

378,856. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HENRY KELLY & SONS, INC., New York, N. Y. Filed Sept. 6, 1939. Serial No. 423,335.

OLD DUTCH

For Brandies and Cordials.
Claims use since September, 1937.

378,857. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSOLIDATED BISCUIT COMPANY, INCORPORATED, doing business as Cracker Bakers, Inc., Chicago and Mount Vernon, Ill., and Louisville, Ky. Filed Oct. 24, 1939. Serial No. 424,839.



For Soda Crackers or Biscuits.
Claims use since Sept. 20, 1934.

378,858. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) KENT METAL AND CHEMICAL WORKS, INC., Edgewater, N. J. Filed Nov. 1, 1939. Serial No. 425,115.



For Cigarette Lighter Flints and Other Flints Used in Igniting Wicks Impregnated With Inflammable Fluids, for Flints Used to Cause Sparks or Lights in Various Toys That Children Use for Their Amusement, and in Games and Fireworks Used By Children and Adults, for Flints for Use in Lighting Miners' Lamps, Gas and Welders' Torches and Other Lamps and Equipment Where a Spark is Necessary to Cause a Flame for Lighting Torches and Lamps.
Claims use since April, 1939.

378,859. (CLASS 25. LOCKS AND SAFES.) AMERICAN CABINET HARDWARE CORP., Rockford, Ill. Filed Nov. 24, 1939. Serial No. 425,909.

Luster Chrome

For Door Catches.
Claims use since July 29, 1938.

378,860. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH GOLDSTEIN, doing business as Combustion Service Company, New York, N. Y. Filed Nov. 28, 1939. Serial No. 426,024.



For Chemical Oil Conditioner Which is Added to Fuel Oil to Improve its Burning Qualities.
Claims use since May 1, 1938.

378,861. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LION PRODUCTS CO., Lynn, Mass. Filed Nov. 30, 1939. Serial No. 426,098.

BALANCED PRESSURE

For Vehicle Windshield Wiper Blades.
Claims use since 1934.

378,862. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LION PRODUCTS CO., Lynn, Mass. Filed Nov. 30, 1939. Serial No. 426,099.

De-Icer

For Vehicle Windshield Wiper Blades.
Claims use since 1933.

378,863. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX FACTOR & Co., Los Angeles, Calif. Filed Dec. 11, 1939. Serial No. 426,442.

Max Factor

For Cosmetics, Perfumes, Theatrical Make-Up, and Similar Preparations—Namely, Powder Foundation Cream, Make-Up Foundation, a Face Cream Used as a Powder Base; Grease Paints, Colors to Line the Face for Theatrical and Expressive Effects, Liquid Body Make-Up, Face Powders, a Cosmetic in the Nature of a Solidified Cream, Cold Creams, Lip Sticks, Liquid Make-Up Remover, Nose Putty, Moist Rouge, Dry Rouge, Creme Rouge, Brilliantine, Skin Freshener, a Cooling Face Lotion, Blackhead Cream, Shampoo, Perfumes, Deodorants, Hair Tonics, Hair Grooming Oil, Hairdressing, Eau De Cologne, Toilet Water, Bleach Mask, a Face Bleach Cream, Restorative Cream, a Cream to Remove Crowsfeet and Line Wrinkles, Circulation Cream, a Cream to Stimulate Circulation About the Face, Liquefying Cream, a Quick Melting Face Cream, Body Powder, Cleansing Cream, Melting Cream, Lemon Cream, Skin and Tissue Cream, Make-Up Blender, a Lotion in Colors for Arms, Neck, and Shoulders to Harmonize the Respective Parts With the Color of the Face; Hand Lotion, Lip Pomades, Lip Gloss, Eye Shadows, a Colored Soft Cream to Shadow the Eyelids, Eyebrow Pencils, Eyelash Make-Up, a Mascara Form of Cosmetic Applied the Same as Regular Mascara; Mascara, Astringent, Honeysuckle Cream, a Lotion With Astringent Value, Also Used as a Powder Base; Lip Rouge, Liquid Make-Up, Talcum Powders, Nail Powders, Foot Powders, Tooth Powders, Liquid Cuticle Polish, Spirit Gum, Liquid Polish Remover, Vanishing Cream, Clown White Make-Up Used By Clowns for Whitening the Face; Burnt Cork, Liquid Whitener.
Claims use since June 1, 1917.

378,864. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN R. FAUNCE, Riverside, N. J. Filed Dec. 28, 1939. Serial No. 426,939.

FAUNCE'S TOOTH PASTE
A MOUTH PRO-PHY-LAXIS

For Tooth Paste.
Claims use since December, 1934.

378,865. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. B. BELLI, INC., San Francisco, Calif. Filed Jan. 26, 1940. Serial No. 427,870.

Derma-Film

For Pharmaceutical Preparations Used in the Treatment of Skin Diseases.
Claims use since Jan. 15, 1939.

378,866. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BUBBL-FOM DISTRIBUTORS, Los Angeles, Calif. Filed Feb. 9, 1940. Serial No. 428,378.

Bubbl-Fom

For Perfumed Essence Used in the Bath.
Claims use since Nov. 15, 1938.

378,867. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX FACTOR & Co., Los Angeles, Calif. Filed Feb. 17, 1940. Serial No. 428,644.

TRU-COLOR

For Cosmetics, Theatrical Make-Up, and Similar Preparations—Namely, Lipsticks, Rouge, Face Powders, Mascara, Eyelash Make-Up, and Grease Paints.
Claims use since July 21, 1938.

378,868. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) H. & S. MFG. Co., New York and Ozone Park, N. Y. Filed Feb. 21, 1940. Serial No. 428,751.

Aqua-Cushion

For Plumbing Item—to wit, Water Hammer Eliminating Valves.
Claims use since Jan. 2, 1939.

378,869. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEPLIN BIOLOGICAL LABORATORIES, INC., Syracuse, N. Y. Filed Feb. 28, 1940. Serial No. 428,946.

Cheplin's

For Aminophyllin, Bismuth Subsalicylate, Bismuth Potassium Tartrate, Bismuth Sodium Tartrate, Caffeine Sodio-Benzoate, Calcium Cacodylate, Calcium Chloride, Calcium Gluconate, Camphor in Oil, Colloidal Sulfur, Colloidal Sulfur in Oil, Congo Red, Corpus Luteum Solution, Dextrose, Buffer Solution, Dextrose and Sodium Chloride, Emetine Hydrochloride, Ephedrine Hydrochloride, Ephedrine Sulfate, Epinephrine Hydrochloride, Foreign Protein (5% Casein), Foreign Protein With Colloidal Sulfur, Foreign Protein With Manganese, Glycerophosphate Compound, Hexamethylenamine, Histidine Hydrochloride, Hydrochloric Acid, Indigo Carmine, Iron, Arsenic and Copper, Iron, Arsenic and Phosphorus, Iron Arsenite, Iron Arsenite With Strychnine, Iron Cacodylate, Iron Cacodylate and Copper, Iron Cacodylate With Sodium Glycerophosphate, Iron and Sodium Cacodylate, Iron Citrate Green, Iron Citrate and Manganese Iron and Strychnine Cacodylates With Sodium Glycerophosphate Compound, Liver Extract, Magnesium Sulfate, Mercury Oxycyanide, Mercury Salicylate, Mercury Succinimide, Methenamine, Methylene Blue, Ovarian Substance, Phenolsulfonphthalein, Phenobarbital-Sodium, Physiological Salt Solution, Pituitary Extract, Anterior Lobe, Pituitary Extract, U. S. P. XI. Obstetrical, Pituitary Extract Surgical, Procaine Hydrochloride, Procaine and Ephedrine, Procaine and Epinephrine, Quinine Dihydrochloride, Quinine Hydrochloride and Urethane, Quinine and Urea Hydrochloride, Ringer's Solution Concentrated, Scopolamine Hydrobromide, Sodium Bicarbonate, Sodium Bromide, Sodium Cacodylate, Sodium Chloride, Sodium Citrate, Sodium Iodide, Sodium Iodide and Hexamethylenamine, Sodium Iodide and Sodium Salicylate, Sodium Iodide and Sodium Salicylate With Colchicine, Sodium Iodide, Sodium Salicylate and Sodium Cacodylate, Sodium Morrhuate, Sodium Salicylate, Sodium Thiosulfate, Strontium Bromide, Sucrose, Thiamin Chloride, Ephedrine and Phenobarbital, Ferric Ammonium Citrate, Halibut Liver Oil, Vitamin Concentrate Capsules, Vitamin B_1 Solutions, Vitamin B_1 Tablets, Cod Liver Oil, Ephedrine Inhalant, Epinephrine-Ephedrine Compound, Formaldehyde Germicide, Acetylsalicylic Acid, Acetylsalicylic Acid and Phenacetin Compound, Ammonium Chloride, Barbital, Barbital Sodium, Blaud, Calcium Iodized, Cascara Sagrada Extract, Cevitamic Acid, Charcoal Activated, Digitalis, Ferrous Sulfate, Methenamine With Ammonium Chloride, Methenamine With Sodium Acid Phosphate, Phenobarbital, Saccharin, Sulfanilamide and Thyroid.
Claims use since Aug. 1, 1923.

378,870. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BALDWIN LIQUORS CORPORATION, New York, N. Y. Filed Apr. 16, 1940. Serial No. 430,823.

McDOWELL'S

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since June 1, 1938.

378,871. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BALDWIN LIQUORS CORPORATION, New York, N. Y. Filed Apr. 16, 1940. Serial No. 430,822.

LEIGHTON

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since June 1, 1938.

378,872. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BALDWIN LIQUORS CORPORATION, New York, N. Y. Filed Apr. 16, 1940. Serial No. 430,824.

Sandy Maclane

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since June 1, 1938.

378,873. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREW WILSON INC., Springfield, N. J. Filed Apr. 16, 1940. Serial No. 430,845.

WILSON'S SPI-TOX

For Insecticides.
Claims use since December, 1937.

378,874. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) B. D. EISENDRATH TANNING CO., Chicago, Ill. Filed Apr. 22, 1940. Serial No. 431,041.

CUSTOM CALF

For Leather.
Claims use since Nov. 1, 1930.

TRADE-MARK REGISTRATIONS RENEWED

18,552. **SIMPLEX.** INSULATED CONDUCTING WIRE. Registered October 28, 1890. SIMPLEX ELECTRICAL CO., Boston, Mass. Re-renewed October 28, 1940, to Simplex Wire & Cable Company, Cambridge, Mass., a corporation of Massachusetts, assignee.

129,697. **AMERICAN BEAUTY.** CHECK-BOOK COVERS AND BLANK PASS-BOOKS. Registered March 9, 1920. THE EXLINE AND EXLINE CO. Renewed March 9, 1940, to American Beauty Cover Company, Dallas, Tex., a corporation of Texas, assignee.

130,632. **ACRITE.** STEEL BALLS FOR BALL-BEARINGS. Registered May 4, 1920. H. BOKER & CO., INC., New York, N. Y., a corporation of New York. Renewed May 4, 1940.

130,682. **REPRESENTATION OF A SICK FOWL.** STARTING FEED FOR CHICKS, A POULTRY FEED OF MEAT, GRAIN, AND BONE-MASH. Registered May 4, 1920. THE G. E. CONKEY CO., Cleveland, Ohio, a corporation of Ohio. Renewed May 4, 1940.

130,683. **CONKEY'S.** STARTING FEED FOR CHICKS AND A POULTRY FEED OF MEAT, GRAIN, AND BONE-MASH. Registered May 4, 1920. THE G. E. CONKEY CO., Cleveland, Ohio, a corporation of Ohio. Renewed May 4, 1940.

130,723. **PEACH BLOOM.** WOOLEN PIECE GOODS. Registered May 4, 1920. FORSTMANN & HUFFMANN CO. Renewed May 4, 1940, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

130,855. **PALMER.** COTTON PIECE GOODS. Registered May 4, 1920. OTIS COMPANY, Ware and Three Rivers, Mass. Renewed May 4, 1940, to Otis Company, Boston, Mass., a corporation of Massachusetts.

131,268. **JACK SPRAT.** CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. Registered May 4, 1920. WESTERN GROCER COMPANY, Oskaloosa and Marshalltown, Iowa. Renewed May 4, 1940, to Western Grocer Company, Marshalltown, Iowa, a corporation of Iowa.

131,305. **PURITAN.** EGGS. Registered May 11, 1920. THE FAIRMONT CREAMERY COMPANY. Renewed May 11, 1940, to The Fairmont Creamery Co., Omaha, Nebr., a corporation of Delaware, assignee.

131,357. **APEX.** PECAN-NUTS IN THEIR NATURAL STATE. Registered May 11, 1920. NATIONAL PECAN GROWERS EXCHANGE, Albany, Ga., a corporation of Georgia. Renewed May 11, 1940.

131,463. **TRICOFINA.** WOOLEN PIECE GOODS. Registered May 18, 1920. FORSTMANN & HUFFMANN CO. Renewed May 18, 1940, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

131,512. **BROMO CAFFEINE.** A MEDICAL PREPARATION FOR HEADACHES AND NERVOUS DISEASES. Registered May 18, 1920. KEASBEY & MATTISON COMPANY, Ambler, Pa. Renewed May 18, 1940, to The Alkalithia Company, Baltimore, Md., a corporation of Maryland, assignee by mesne assignments.

131,513. **ALKALITHIA.** A PREPARATION FOR THE TREATMENT OF RHEUMATISM AND CYSTITIS. Registered May 18, 1920. KEASBEY & MATTISON COMPANY, Ambler, Pa. Renewed May 18, 1940, to The Alkalithia Company, Baltimore, Md., a corporation of Maryland, assignee by mesne assignments.

131,816. **MAXIMILIAN.** A MEDICINAL SALVE FOR THE TREATMENT OF CERTAIN NAMED AFFECTIONS AND DISEASES. Registered May 25, 1920. MEINRAD MAX PARZINGER, Linden Heights, Ohio. Renewed May 25, 1940, to Meinrad Max Parzinger, Columbus, Ohio.

131,895. **SEGMA.** SNAP-FASTENER. Registered May 25, 1920. CARR FASTENER COMPANY. Renewed May 25, 1940, to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts, assignee.

132,367. **WONDER LAC.** LACQUERS. Registered June 22, 1920. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed June 22, 1940.

132,554. **REPRESENTATION OF A WOMAN ETC.** DYES COMBINED WITH SOAP IN THE FORM OF FLAKES. Registered June 22, 1920. SUNBEAM CHEMICAL COMPANY. Renewed June 22, 1940, to Rit Products Corporation, Chicago, Ill., a corporation of Delaware, assignee.

133,001. **MAGIC EAR-PHONE.** MECHANICAL DEVICES USED AS AN AID TO HEARING. Registered July 6, 1920. E. B. MEYROWITZ, INC., New York, N. Y., a corporation of New York. Renewed July 6, 1940.

133,007. **NEMSER.** GOWNS. Registered July 6, 1920. JOSEPH NEMSER, New York, N. Y. Renewed July 6, 1940.

133,296. **B P S.** DRY AND READY-MIXED PAINTS, DRIERS, ENAMEL PAINTS, WOOD-STAINS, WALL-PAINTS, LIQUID LACQUERS, FILLERS, AND VARNISHES. Registered July 20, 1920. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed July 20, 1940.

133,297. **B P S.** DRY AND READY-MIXED PAINTS, DRIERS, ENAMEL PAINTS, WOOD-STAINS, OIL AND VARNISH WALL-PAINTS, LIQUID LACQUERS, FILLERS AND VARNISHES. Registered July 20, 1920. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed July 20, 1940.

133,374. **REPRESENTATION OF A ROLLING-PIN.** BAKING-POWDER. Registered July 27, 1920. CHAPMAN & SMITH COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 27, 1940.

133,483. **SULPHURNO.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered July 27, 1920. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed July 27, 1940.

133,484. **PERMALBA.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered July 27, 1920. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed July 27, 1940.

133,930. **ROLLING PIN.** CERTAIN NAMED FOODS. Registered August 10, 1920. CHAPMAN & SMITH COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 10, 1940.

134,382. **BUZZER.** GAS SOLDERING-FURNACES, SOFT-METAL FURNACES, BURNERS, AND TORCHES. Registered August 31, 1920. CHARLES A. HONES, INC., Brooklyn, N. Y. Renewed August 31, 1940, to Charles A. Hones, Inc., Baldwin, N. Y., a corporation of New York.

134,614. **BI SUR.** DENTAL PLIERS, FORCEPS, AND RONGEURS. Registered September 14, 1920. THE CLEVELAND DENTAL MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed September 14, 1940.

134,714. **OBAK.** CIGARETTES. Registered September 14, 1920. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed September 14, 1940.

134,928. **WEDGE.** RUBBER ERASERS. Registered September 21, 1920. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed September 21, 1940.

134,929. **ECLIPSE.** RUBBER ERASERS. Registered September 21, 1920. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed September 21, 1940.

135,273. **RED SUN.** CIGARETTES. Registered September 28, 1920. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed September 28, 1940.

135,311. **SILVER SHRED.** MARMALADE. Registered September 28, 1920. JAMES ROBERTSON & SONS, PRESERVE MANUFACTURERS, LIMITED, Paisley, Scotland, a corporation of Great Britain. Renewed September 28, 1940.

135,393. **MERRY-GO-ROUNDS.** CANDY. Registered October 12, 1920. PAUL F. BEICH COMPANY, Bloomington, Ill., a corporation of Illinois. Renewed October 12, 1940.

135,417. **HANDY GRIP.** SHAVING-SOAP IN THE FORM OF A COMBINED STICK AND CONTAINER AND REFILLS FOR THE CONTAINER. Registered October 12, 1920. COLGATE & CO., Jersey City, N. J., and New York, N. Y. Renewed October 12, 1940, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

135,633. **GRACELINE.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered October 19, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed October 19, 1940.

135,634. **PRIMROSE.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered October 19, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed October 19, 1940.

135,635. **APHRODITE.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered October 19, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed October 19, 1940.

135,688. **CLEOPATRA.** SOAP. Registered October 19, 1920. A. P. HAYTER, Greenville, Tex. Renewed October 19, 1940, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee by mesne assignments.

135,896. **THREE ELEPHANT.** BORAX. Registered October 26, 1920. AMERICAN TRONA CORPORATION. Renewed October 26, 1940, to American Potash & Chemical Corporation, New York, N. Y., a corporation of Delaware, assignee.

135,920. **BOSTITCH.** WIRE STITCHING OR STAPLING MACHINES AND PARTS THEREOF. Registered October 26, 1920. BOSTON WIRE STITCHER COMPANY, East Greenwich, R. I. Renewed October 26, 1940, to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine.

135,945. **POPPY.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered October 26, 1920. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed October 26, 1940.

136,064. **UNOIT.** SMOKING-TOBACCO. Registered October 26, 1920. LARUS & BROTHER COMPANY, INC., Richmond, Va., a corporation of Virginia. Renewed October 26, 1940.

136,070. **MINERVA.** SUITINGS AND DRESS GOODS FOR CLOTHING FOR MEN, WOMEN, AND CHILDREN. Registered October 26, 1920. LESHER, WHITMAN & CO., INC., New York, N. Y. Renewed October 26, 1940, to Goodall Worsted Co., Sanford, Maine, a corporation of Maine, successor.

136,160. **NUTEX.** OLEOMARGARIN. Registered October 26, 1920. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed October 26, 1940.

136,448. **NUN BETTER.** BURLAP BAGS. Registered November 2, 1920. THE HARDIN BAG CO., INC. Renewed November 2, 1940, to The Hardin Bag & Burlap Co., Inc., New Orleans, La., a corporation of Louisiana, assignee.

136,493. **YE OLDE INN.** A MALT NON-INTOXICATING BEVERAGE. Registered November 2, 1920. KEELEY BREWING CO. Renewed November 2, 1940, to Keeley Brewing Company, Chicago, Ill., a corporation of Delaware, assignee.

136,602. **ROCK SPRING.** CERTAIN BEVERAGES. Registered November 2, 1920. JACOB RIES BOTTLING WORKS, INC., Shakopee, Minn., a corporation of Minnesota. Renewed November 2, 1940.

136,615. **CUM-BAC.** ROLLING TOY OF CYLINDRICAL FORM. Registered November 2, 1920. CHARLES SCHINDLER. Renewed November 2, 1940, to Schindler Stamping & Toy Company, Toledo, Ohio, a corporation of Ohio, assignee.

136,623. **QUEENANN.** CAKE, BREAD, DOUGHNUTS, AND COOKIES. Registered November 2, 1920. SEATTLE BAKING COMPANY, Seattle, Wash. Renewed November 2, 1940, to Continental Baking Company, New York, N. Y., a corporation of Delaware, assignee.

136,709. **BLUE DIAMOND.** POTATOES IN THEIR NATURAL STATE. Registered November 2, 1920. WOLTER BROS., Peoria, Ill., a partnership. Renewed November 2, 1940.

LABELS

REGISTERED JUNE 18, 1940

54,969.—*Title:* ANA-JAY DESSERT. For Desserts. ANA-JAY FOOD PRODUCTS CORP., New York, N. Y. Published April 24, 1940.

54,970.—*Title:* ATLANTIC. For Extra Pale Beer. ATLANTIC BREWING COMPANY, Chicago, Ill. Published July 23, 1938.

54,971.—*Title:* RAIN DROPS. For a Bluing-Cleaning-Softening Washing Compound. BU-TAY PRODUCTS COMPANY, Los Angeles, Calif. Published March 15, 1940.

54,972.—*Title:* DINETTE DINNER. For Elbow Macaroni and Pure Tomato Paste. MICHAEL CIOCCO, Baltimore, Md. Published May 1, 1940.

54,973.—*Title:* "TO-DAY." For a Beauty Powder for the Teeth and Gums. HERL L. CROWTHER, doing business as Crowther Products, Los Angeles, Calif. Published March 15, 1940.

54,974.—*Title:* EZAP. For Antiseptic Scalp Lotion. THE DANDRO-NOX CO., INC., Baltimore, Md. Published December 7, 1939.

54,975.—*Title:* NURSING BOTTLE CAPS. For Nursing Bottle Caps. DAVOL RUBBER COMPANY, Providence, R. I. Published March 15, 1940.

54,976.—*Title:* "JUNKET" FREEZING MIX. For a Preparation for Making Ice Cream and Milk Sherbets. CHR. HANSEN'S LABORATORY, INC., doing business as "The 'Junket' Folks," Little Falls, N. Y. Published September 20, 1939.

54,977.—*Title:* "JUNKET" RENNET POWDER MAKES MILK INTO RENNET-CUSTARDS. For Rennet Powder. CHR. HANSEN'S LABORATORY, INC., doing business as "The 'Junket' Folks," Little Falls, N. Y. Published March 15, 1940.

54,978.—*Title:* HAZ-A-WEAR BARN AND SILO PAINT. For Barn and Silo Paint. THE HAZARD LEAD WORKS, INC., Brooklyn, N. Y. Published May 22, 1940.

54,979.—*Title:* KEMP'S STEP AHEAD POP CORN. For Pop Corn. E. F. KEMP, INC., Somerville, Mass. Published April 29, 1940.

54,980.—*Title:* MENASHA ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published March 1, 1940.

54,981.—*Title:* MENASHA BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published March 1, 1940.

54,982.—*Title:* QUALITY BRAND BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published March 1, 1940.

54,983.—*Title:* MEDO LAND CREAMERY BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published March 1, 1940.

54,984.—*Title:* MENASHA BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published March 1, 1940.

54,985.—*Title:* MANGAS ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published March 1, 1940.

54,986.—*Title:* MENASHA ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published March 1, 1940.

54,987.—*Title:* OPEN KETTLE RENDERED LARD SHORTENING. For Lard Shortening. THE H. H. MEYER PACKING COMPANY, Cincinnati, Ohio. Published May 21, 1940.

54,988.—*Title:* SUPREME FORMULA. For a Mixture for the Temporary Relief of Minor Throat and Minor Bronchial Irritations. ROBERT R. MOSER, doing business as The Supreme Laboratories, Kansas City, Mo. Published April 3, 1940.

54,989.—*Title:* NATIONAL VITAMIN B_1 YEAST. For Yeast. NATIONAL GRAIN YEAST CORPORATION, Belleville, N. J. Published May 15, 1940.

54,990.—*Title:* AMERICAN CLUB. For Bourbon Whiskey. PENNSYLVANIA DISTILLING CO., INC., Philadelphia, Pa. Published May 6, 1940.

54,991.—*Title:* STARDUST AUTO FINISH (The Lazy Man's Auto Polish). For Auto Polish. RICHARD R. RYAN, Auburndale, Fla. Published May 6, 1940.

54,992.—*Title:* JIM DANDY. For Shirts. LOUIS SCHULMAN CO. INC., New York, N. Y. Published March 22, 1940.

54,993.—*Title:* ALL AMERICAN BEST BY TEST. For Handkerchiefs. SOUTHERN HANDKERCHIEF MFG CO., Greenville, S. C. Published May 21, 1940.

54,994.—*Title:* LA CORONA. For California Sherry Wine. SOUTHERN LIQUOR DISTRIBUTORS, INC., Jacksonville, Fla. Published May 14, 1940.

54,995.—*Title:* CHURCHILL. For English Blend Cigarettes. SPECTOR BROTHERS, INC., doing business as Churchill Tobacco Company, Chicago, Ill. Published May 17, 1940.

54,996—*Title:* ROYAL. For Butterscotch Pudding. STANDARD BRANDS INCORPORATED, New York, N. Y. Published May 7, 1940.

54,997.—*Title:* WAY-MAC. For Blended Scotch Whisky. WAKEM & MCLAUGHLIN, INCORPORATED, Chicago, Ill. Published May 9, 1940.

54,998.—*Title:* R S R RAPID SPOT REMOVER—HOW TO USE R S R FOR QUICK RESULTS. For an Enzymotic Spot Remover. WALLERSTEIN COMPANY, INC., New York, N. Y. Published May 13, 1940.

54,999.—*Title:* R S R RAPID SPOT REMOVER—HOW TO USE R S R FOR QUICK RESULTS. For an Enzymotic Spot Remover. WALLERSTEIN COMPANY, INC., New York, N. Y. Published May 10, 1940.

55,000.—*Title:* EX-LYN. For Furniture Polish. Z-LENT DISTRIBUTING CO., Le Mars, Iowa, and San Antonio, Tex. Published May 22, 1940.

PRINTS

REGISTERED JUNE 18, 1940

18,040.—*Title:* AERO PEN. For Fountain Pens. ANATOL N. ANDREWS, Los Angeles, Calif. Published February 21, 1940.

18,041.—*Title:* CHERRY QUEEN—ICE CREAM. For Ice Cream. HOWARD W. BLACK, doing business as Howard Black Cherry Co., Lakewood, Ohio. Published February 9, 1940.

18,042.—*Title:* DUBONNET. For Ice Cream. HOWARD W. BLACK, doing business as Howard Black Cherry Co., Lakewood, Ohio. Published February 9, 1940.

18,043.—*Title:* CHERRY CHOCOLATE. For Ice Cream. HOWARD W. BLACK, doing business as Howard Black Cherry Co., Lakewood, Ohio. Published February 9, 1940.

18,044.—*Title:* IT'S THE SAME TODAY . . . HEART CHARMS. For Charms. WALTER LAMPL, doing business as Lampl, New York, N. Y. Published May 21, 1940.

18,045.—*Title:* MORE MILES GASOLINE. For Gasoline. HOWARD MARR, Los Angeles, Calif. Published April 10, 1940.

18,046.—*Title:* HEALTHTONE FOR INTERNAL HYGIENE. For a Medicinal Preparation. WINFIELD R. OFFUTT, Louisville, Ky. Published January 15, 1940.

18,047.—*Title:* THE IDEAL IN-BETWEEN-WEATHER OUTFIT. For Children's Garments. SNUGGLE PRODUCTS, INC., Goshen, Ind. Published February 27, 1940.

18,048.—*Title:* THE MOST CONVENIENT IN-BETWEEN-WEATHER OUTFIT. For Children's Garments. SNUGGLE PRODUCTS, INC., Goshen, Ind. Published February 27, 1940.

18,049.—*Title:* A NEW IN-BETWEEN-WEATHER OUTFIT. For Children's Garments. SNUGGLE PRODUCTS, INC., Goshen, Ind. Published February 27, 1940.

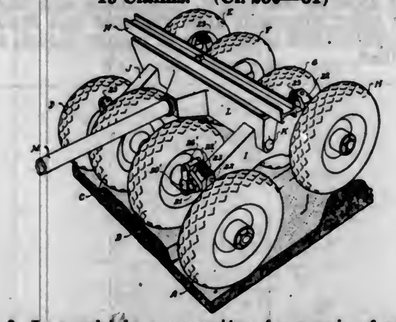
18,050.—*Title:* NEW WAY TO DRESS TODDLERS FOR MILD DAYS. For Children's Garments. SNUGGLE PRODUCTS, INC., Goshen, Ind. Published February 27, 1940.

18,051.—*Title:* FEATURE. For Cake. TASTY BAKING COMPANY, Philadelphia, Pa. Published May 10, 1940.

REISSUES

JUNE 18, 1940

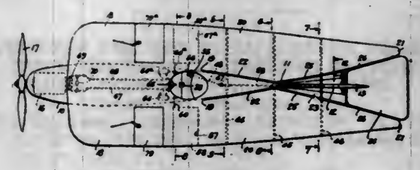
21,483
SHOCK REDUCING AND CUSHIONING WHEEL MOUNTING FOR VEHICLES
Glenn L. Larison, La Grande, Oreg.
Original No. 2,170,454, dated August 22, 1939, Serial No. 264,361, March 27, 1939. Application for reissue April 29, 1940, Serial No. 332,416
15 Claims. (Cl. 280—81)



9. In a vehicle, a mounting for a pair of wheels including a wheel-carrying assembly supporting member, a pair of wheel-carrying assemblies, each of said assemblies including a wheel spindle, said spindles extending in opposite directions, each of said assemblies hinged to said member for up and down movement, the hinges of said assemblies being substantially parallel to said spindles, means connecting said assemblies, said means so constructed and arranged that upward movement of one assembly will cause a force to be exerted in the opposite direction on the other assembly, and said means including a resilient element adapted to cushion the shocks produced by sudden upward thrusts of either or both of said assemblies.

21,484
AIRCRAFT
Richard J. Thompson, Bakersfield, Calif., assignor of sixty-two and one-half per cent to C. N. White and thirty-seven and one-half per cent to Lawson L. Lowe, both of Bakersfield, Calif.
Original No. 2,167,143, dated July 25, 1939, Serial No. 208,650, May 18, 1938. Application for reissue April 15, 1940, Serial No. 331,872
15 Claims. (Cl. 244—13)

1. In an aircraft, a fuselage; wings projecting from the sides of the fuselage; the chords of the wings greatly exceeding the spans thereof so as to reduce head resistance to a minimum; the rearward portions of the wings being free of the fuselage and being flexible in a direction to enable the camber of the wings to be varied; spars secured to said flexible portions of the wings and



projecting transversely of the fuselage at spaced locations along the length thereof; a rotatably-mounted shaft extending longitudinally in the fuselage; geared connections driven by said shaft and operatively connected to said spars; and means by which said shaft can be rotated, whereby to flex said portions of the wings.

21,485
COMPOSITION OF MATTER CONTAINING A CELLULOSE DERIVATIVE
Harry M. Weber, West Englewood, N. J., assignor to Ellis-Foster Company, Montclair, N. J.
No Drawing. Original No. 1,690,515, dated November 6, 1928, Serial No. 62,293, October 13, 1925. Application for reissue September 14, 1939, Serial No. 294,950
5 Claims. (Cl. 260—16)

1. A liquid coating composition comprising a solution of nitrocellulose incorporated with a resinous product resulting from the reaction of phthalic anhydride and glycerol with fatty acid radicals of vegetable oil selected from the group consisting of the drying and semi-drying oils.

PLANT PATENTS

GRANTED JUNE 18, 1940

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

402
ROSE
Martin Samtmann, Wyndmoor, Pa.
Application February 7, 1940, Serial No. 317,751
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant, characterized particularly by its prolific growth; its abundant dark leathery foliage; the retention of the form of its large, shapely blossoms; the slow and even opening of its medium-sized, pointed buds; and the distinctive color

combination of its buds and blossoms, substantially as shown and described.

403
ROSE PLANT
Fremont Bernard Abrams, Ossining, N. Y.
Application January 26, 1940, Serial No. 315,816
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant with qualities in combination substantially as shown and described, characterized particularly by its very dark, large foliage; its strong stems; its long urn-shaped bud; and its blossoms having unusually good keeping qualities, a large number of large-sized petals, profuse and lasting fragrance, and brilliant velvety color from Rose Color to Rose Red which is rather evenly distributed over the petal surface and normally does not fade or change for several days.

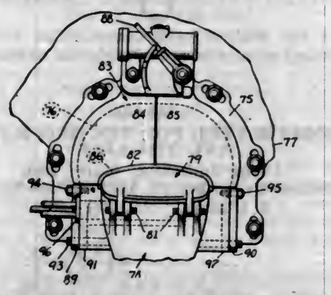
404
GLADIOLUS
Elizabeth A. Briggs, Encinitas, Calif., assignor to Chas. E. Ogg, Encinitas, Calif.
Application February 27, 1939, Serial No. 258,738
1 Claim. (Cl. 47—60)

The new variety of gladiolus plant herein described and illustrated, characterized particularly by its earliness of bloom, hardiness in growth out of doors in the winter, smoothness and clarity of color, unusually good shipping and keeping qualities and propensity to prolific bloom, as described.

PATENTS

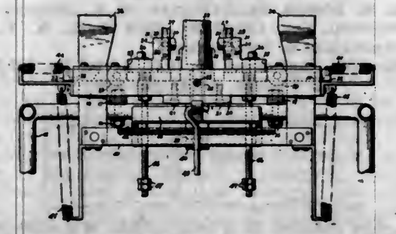
GRANTED JUNE 18, 1940

2,204,541
STOKER
Howard P. Anderson, deceased, late of Erie, Pa., by Bernadine Anderson, executrix, Dallas, Tex., assignor to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Original application March 28, 1933, Serial No. 663,131. Divided and this application April 17, 1937, Serial No. 137,471
3 Claims. (Cl. 110—104)



1. In a locomotive provided with a firebox having a firing opening in the backwall thereof, a stoker comprising an upwardly and forwardly extending fuel feed casing communicating with the lower portion of said firing opening, said casing having a separable upper portion forming a cover over the upper end of the casing, said cover being concave in configuration and arcuate in transverse and longitudinal vertical cross section, said cover being hinged to the upper rearward end of said casing for rearward swinging movement about a horizontal transverse axis, and a firedoor for the upper portion of said firing opening, the lower edge of said firedoor having an arcuate centrally disposed indentation conforming with the shape of said cover and fitting closely thereagainst.

2,204,542
APPARATUS FOR FORMING STOPCOCK BARRELS
Charles G. Anastor, Vineland, N. J., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application August 28, 1937, Serial No. 161,521
1 Claim. (Cl. 49—28)



Apparatus for forming stopcock barrels from glass tubing comprising a frame, a tapered mandrel on said frame adapted to support a similarly tapered tubular glass blank, said mandrel being hollow and having diametrically opposite apertures in its wall, a pair of carriages slidably reciprocable on said frame, a plurality of punches, at least one on each of said carriages, said punches being movable into said apertures to form openings in the wall of the blank, means for reciprocating said carriages and the punches supported thereon, and selectively positioned stop means engageable with said carriage reciprocating means for limiting reciprocation of said punches, said stop means including members depending from said frame and stop elements adjustably positioned on said depending members.

2,204,543
PROCESS FOR THE PURIFICATION OF SULPHUR DIOXIDE-CONTAINING TECHNICAL GASES OBTAINED FROM ROASTING
Ernst Berl, Pittsburgh, Pa.
No Drawing. Application September 16, 1936, Serial No. 101,106. In Great Britain September 17, 1935
12 Claims. (Cl. 23—178)

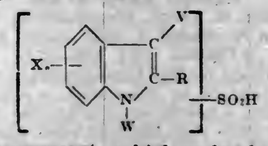
1. In the manufacture of sulphuric acid by a contact process, the step of removing catalyst poisons from the roaster or burner gas by passing such gas through a base exchange silicate, said base exchange silicate being substantially catalytically inactive during said step.

4. In the catalytic oxidation of sulphur dioxide, the step of removing from the gases containing SO_2 as an essential constituent, prior to the entry of such gases into contact with the catalyst, impurities capable of diminishing the activity of such catalyst, comprising directly contacting such gases, at any temperature within the range of −15° C. to +550° C., with a base exchange silicate, said base exchange silicate being substantially catalytically inactive during said step.

5. In the manufacture of sulphuric acid by a contact process, the step of removing catalyst poisons from the roaster or burner gas by passing such gas through a zeolite, said zeolite being substantially catalytically inactive during said method.

2,204,544
SULPHONATED INDOLE DERIVATIVES
Kurt Engel, St. Louis, Ht. Rhin, France, assignor to J. R. Geigy S. A., Basel, Switzerland
No Drawing. Original application May 12, 1937, Serial No. 142,284. Divided and this application April 11, 1938, Serial No. 201,423. In Switzerland May 14, 1936
5 Claims. (Cl. 260—319)

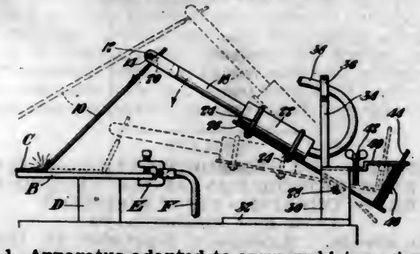
1. Preparations of high capillary activity, and particularly characterized by their capacity for emulsifying lime-soaps, said preparations containing as essentially active ingredient a water-soluble salt of the indole sulphonic acid of the following general formula:



wherein R represents a high molecular aliphatic radical with more than 5 carbon atoms, W repre-

sents a member of the group consisting of H, alkyl, benzyl and phenyl, V represents a member of the group consisting of H, alkyl, benzyl and phenyl, and X represents a member of the group consisting of H and methyl, *n* being 1 or 2, whereby a high capacity for emulsifying lime-soaps is imparted to said preparations.

2,204,545
WELDING ELECTRODE HOLDER
John H. Faunce, Johnstown, Pa.
Application March 20, 1939, Serial No. 262,998
3 Claims. (Cl. 219—8)



1. Apparatus adapted to seam weld two pieces of metal to one another along their opposed edges, comprising a holder carrying a metal welding rod adapted to be melted away as the seam weld progresses, said holder being pivotally supported and carrying means for clamping the welding rod thereto at an oblique angle to said work pieces so that gravity alone is effective to progressively advance the rod along the line of weld as said weld rod melts away in forming the welded seam.

2,204,546
DEVICE FOR HANDLING AIRCRAFT
Reuben H. Fleet, William B. Wheatley, and Isaac M. Laddon, San Diego, Calif.
Original application October 14, 1936, Serial No. 105,611. Divided and this application June 22, 1937, Serial No. 149,781
7 Claims. (Cl. 244—63)



1. A support for launching an airplane comprising a movable member, a rapidly tiltable cradle on the movable member upon which the airplane is adapted to rest, a pivot for the cradle having its axis laterally disposed on the movable member, and rigid outrigger members adapted to be attached to the wings and extending to the side of the cradle and adapted to steady the airplane laterally by passing upward against the airplane wings.

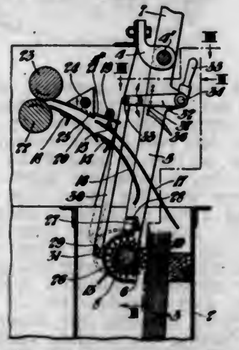
2,204,547
BLOOD TEST TUBE
Virginia H. Grier, Pleasantville, N. J.
Application November 3, 1939, Serial No. 302,763
3 Claims. (Cl. 128—272)

1. In a blood testing tube assembly embodying a testing tube to be evacuated, a sealable stem for said tube, a needle, an elastic tube connecting the needle with said sealable tube, and a transparent cover for said needle, connecting tube and sealable tube; a stopper for said vial provided with an axial opening accommodating said sealable tube, and said stopper being provided with



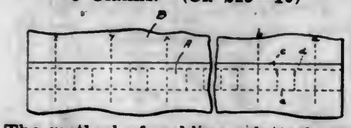
means for sealing said cover when the aforementioned elements are completely assembled.

2,204,548
AUTOMATIC FEED FOR TINNING MACHINES AND THE LIKE
Clyde Imboden, Gary, Ind.
Application December 29, 1939, Serial No. 311,640
8 Claims. (Cl. 271—36)



1. An automatic plate feeder, including, a cylindrical rotatable magnetic lifter member having opposite pole portions adapted to contact with a plate and complete the magnetic circuit therethrough, and adjustable means arranged in the flux field of said rotatable magnet for controlling the force of the magnetic attraction thereof.

2,204,549
METHOD OF FORMING METALLIC CONTAINERS
John H. Murch, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 25, 1937, Serial No. 165,763
3 Claims. (Cl. 219—10)



2. The method of welding relatively thin metallic light gauge sheet material to provide a longitudinally extending seam, which consists in placing the sheet material so that the side edges are in engagement and in position, the while

producing a welded seam by progressively interfusing the engaged sections from one end of the seam to the other in a series of lineally disposed spot welds the centers of which are spaced apart a predetermined distance to insure an overlapping of the areas of adjacent spots, and timing the beginning of the welding operation to locate the first end spot weld of the seam so that the boundary of its fused area terminates at the beginning seam edge and with the said fused area fully contained within the seam edge.

2,204,550
COATING
John D. Murray, Chicago, Ill., assignor to The Murray Liquafilm Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 16, 1937, Serial No. 153,922
8 Claims. (Cl. 134—36)

1. A sheet material containing organic fibers, said fibers having therein a normal amount of moisture, said sheet material having a translucent, glossy, moisture proof coating adhering firmly to said sheet material without appreciable penetration thereof and comprising an eutectic mixture of soaps of at least two of the metals of the group consisting of zinc and cadmium and tin and magnesium and aluminum and antimony and bismuth and lead and a resin soluble in said soaps, said resin and said soaps being in solid solution in each other.

8. A normally solid printing ink, adapted for application in a molten condition, comprising: an eutectic mixture of at least two water-insoluble metallic soaps, a resin soluble in said soaps, an oil soluble dye, said soaps, resin, and dye being in solid solution in each other.

2,204,551
AUTOMOBILE DOOR AND METHOD OF MAKING THE SAME
Bion C. Place, Detroit, Mich., assignor of one-third to Harold W. Kost and one-third to Ellery J. Cloutier, both of Detroit, Mich.
Application June 8, 1937, Serial No. 147,133
4 Claims. (Cl. 296—44)



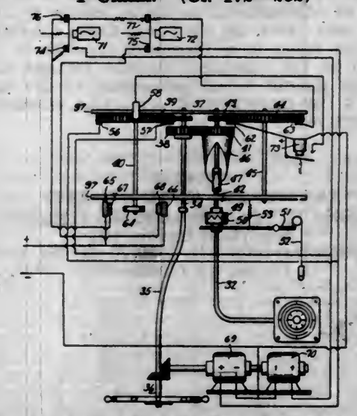
1. A weather-stripping element for use in weather-stripping the window opening of an automobile door or body, comprising a supporting member in the form of a continuous rigid rectangular sheet metal frame having an opening in the center thereof, a combined weather excluding and cushioning element secured to one side of said supporting member, and means comprising a continuous area of said supporting member adjacent an edge thereof adapted to be spun over into hooking engagement with the edges of said window opening for interlocking said weather-strip to said door or body.

2,204,552
CASTING BAIT
James Wesley Singleton, Cincinnati, Ohio, assignor of one-half to James O. Brooks, Allock, Ky.
Application December 2, 1939, Serial No. 307,308
9 Claims. (Cl. 43—46)



1. A casting bait comprising a frame adapted to be removably mounted on a body, said frame including a rod, an eye on one end of said rod for connection with a line, a loop on the other end of the rod, a forwardly projecting finger on the loop engageable in the body for detachably securing said other end of the rod thereto, a spoon fixed on the rod at an intermediate point, said spoon having a slot therein, a loop at an intermediate point on the rod extending through the slot, and hooks mounted in the first and second named loops.

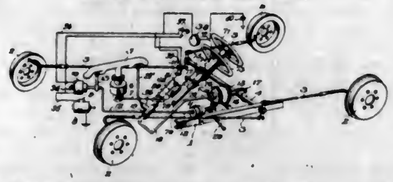
2,204,553
AUTOMATIC STEERING OF SHIPS
Emil Smola, Newport News, Va.
Application October 9, 1937, Serial No. 168,132
1 Claim. (Cl. 172—282)



In an automatic steering device, a pivoted transparent magnetic compass card having a light obstructing sector, a light source adjustably mounted above the compass card for movement in a horizontal plane toward or away from the north point of the compass card in a line between the north and south points of said card, a transparent compass bowl, a horizontally rotatable disc supported below said compass bowl, two spaced light sensitive elements and a pointer equi-distantly spaced therefrom mounted on said disc, the light sensitive elements being in light transfer relation with the light source through the transparent portion of the compass card, means for manually rotating said disc, drive means including a flexible shaft and a length compensating device connecting the disc to a steering shaft for rotating said disc, a relay connected in circuit with each of the light sensitive elements and electric motor means controlled by said relays for operating the steering shaft, a lost motion device connected between the steering shaft and the flexible shaft, rudder centering means including an adjustable time delay relay and contacting means comprising insulat-

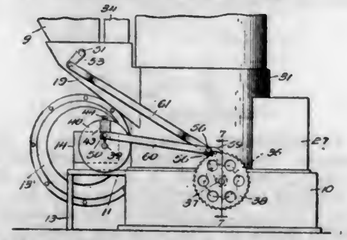
ing wheels carrying conductive segments cooperating with stationery contact arms for controlling the electric motor means, said wheels being gear connected to the steering shaft.

2,204,554
POWER CLUTCH ASSEMBLAGE
Albert Rivington Stone, Arlington, Va., assignor, by mesne assignments, to Carpenter-Stone, Inc., a corporation of Georgia
Application September 17, 1934, Serial No. 744,411
Renewed November 10, 1939
3 Claims. (Cl. 192—91)



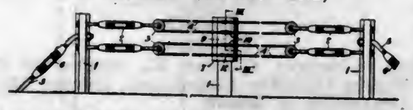
1. An automotive power operated clutch comprising a clutch motor, a fluid conduit between the motor and the intake manifold of automotive engine, a valve in said fluid conduit, a face of the valve being adapted to be submitted to vacuum developed in the intake manifold, the opposite face of the valve being adapted to be submitted to atmospheric pressure; means to apply to the said valve an electrical force tending to move the valve in a direction opposite to that induced by the vacuum, the said vacuum being operative during initial movement of the valve, to check the movement of the valve effected by said electrical force.

2,204,555
AUTOMATIC COAL STOKER
George E. Valentine and John I. Hurst, Schuylkill Haven, Pa.
Application November 20, 1939, Serial No. 305,342
1 Claim. (Cl. 110—109)



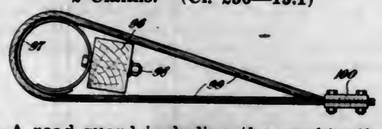
A coal stoker comprising the combination with a fire box, of a base supporting the fire box forming an ash pit, a grate in the fire box sloping downwardly from the rear of the fire box to the base, a pusher box extending in alinement with the grate on the rear of the fire box, a hopper communicating with the pusher box, a notched roll supported by the base at the bottom of the grate and extending above the grate for preventing coal from sliding off the grate, a reciprocatory pusher in the pusher box for feeding coal from the hopper onto the grate, means for effecting a forced draft upwardly through the grate, a ratchet wheel connected to the notched roll, an electric motor, a speed reduction unit connected to the motor, a crank disk connected to the unit having an adjustable wrist pin, a link connected to the wrist pin, a pawl connected to the link and engaging the ratchet wheel for imparting step rotation to the ratchet wheel, a second link connected to the first named link and extending upwardly therefrom, and a crank connecting the second named link with the pusher for reciprocating the pusher.

2,204,556
ROAD GUARD
Carl C. Ahles, Albany, N. Y.
Application July 8, 1935, Serial No. 30,374
12 Claims. (Cl. 256—13.1)



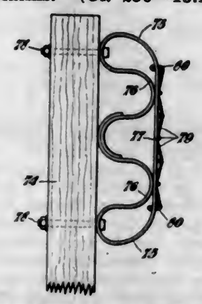
1. A road guard including the combination of a post, a flat metal spring mounted by the post and having an outwardly curved portion spaced from the post and at least one circumferentially extending slot in the portion opposite said post, a strand extending through said slot, and means for retaining said strand therein with freedom for movement in the direction of its length.

2,204,557
ROAD GUARD
Carl C. Ahles, Albany, N. Y.
Original application July 8, 1935, Serial No. 30,374. Divided and this application July 20, 1939, Serial No. 285,630
2 Claims. (Cl. 256—13.1)



1. A road guard including the combination of a post, a piece of flat spring metal formed into a loop and with its ends arranged free so as to permit relative movement of the same, said loop being mounted by said post so as to permit said relative movement, and a guard rail terminating at said post and arranged around said loop in collapsing relationship.

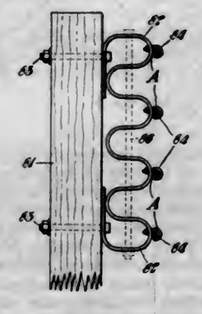
2,204,558
ROAD GUARD
Carl C. Ahles, Albany, N. Y.
Original application July 8, 1935, Serial No. 30,374. Divided and this application July 20, 1939, Serial No. 285,632
2 Claims. (Cl. 256—13.1)



1. A road guard including the combination of a post, a piece of flat spring metal formed into a series of successively reversed loops and with

a straight portion bridging said loops, certain of said loops being mounted by said post and said straight portion being parallel thereto and spaced therefrom by said loops, and a guard rail extending transversely past said post and mounted by said straight portion of said piece.

2,204,559
ROAD GUARD
Carl C. Ahles, Albany, N. Y.
Original application July 8, 1935, Serial No. 30,374. Divided and this application July 20, 1939, Serial No. 285,633
2 Claims. (Cl. 256—13.1)



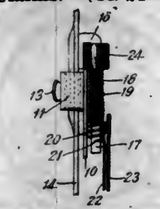
1. A guard rail including the combination of a post, a piece of flat spring metal formed into a series of successively reversed loops, said piece being mounted by said post in alinement therewith and so that said loops extend therefrom, and a series of strands extending transversely past said post and fastened to the outsides of those of said loops that extend away from said post.

2,204,560
AUTOMATIC FISH CATCHER
Douglas Allison, Fort Worth, Tex., assignor of one-half to Virgil Lowrie, Fort Worth, Tex.
Application February 4, 1939, Serial No. 254,715
8 Claims. (Cl. 43—15)



1. An automatic fish catcher comprising a relatively fixed housing, fish line gripping means including a one-way clutch positioned exteriorly of said housing relatively movable with respect to said housing and biased in one position, and means arranged to releasably hold said gripping means in another position against said bias.

2,204,561
FASTENER
Fred N. Ashworth, Somerville, Mass.
Application June 15, 1938, Serial No. 213,803
10 Claims. (Cl. 24—85)



1. A fastener of the character described comprising, in combination, a shield, a securing member fast thereto, a support also fast to said shield, a helical spur mounted upon said support, and means to rotate said spur upon said support into piercing engagement with penetrable material.

2,204,562
INTERLOCKING FASTENER SLIDER
Hermine Axtheim, Rockville Centre, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application January 26, 1938, Serial No. 186,990
16 Claims. (Cl. 24—205)

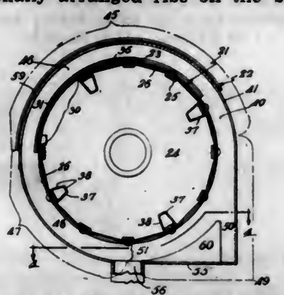


13. A slider for separable fasteners comprising a channelled body having an outer surface, a lug on said outer surface, a pull tab movably connected to said lug and including a spring member adapted to engage with and bear against said lug with a spring action throughout the range of movement of said tab, means on said lug for varying the tension of said spring member when the latter is moved with said pull tab from one position to another with respect to said lug and co-acting with said spring member to positively maintain the latter and consequently said pull tab in at least two positions, one in which the tab is disposed transversely to said lug and the other in which the pull tab is disposed in line with said lug.

2,204,563
WASHER
Harold L. Belding, Northampton, Mass., assignor to Henrici Laundry Machinery Company, Boston, Mass., a corporation of Massachusetts
Application August 13, 1938, Serial No. 224,721
8 Claims. (Cl. 68—58)

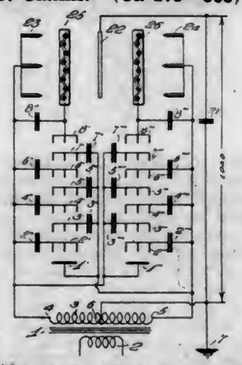
3. A washer comprising a rotatable perforate inner cylinder, and a stationary outer housing, the inner cylinder containing the clothes to be washed and the inner cylinder and outer housing containing water, which water is agitated peripherally upon the rotation of the cylinder, the upper wall of the housing being cylindrical and concentric with the cylinder to provide a uniform space of predetermined depth between the cylinder and the upper wall of the housing, the base wall of the housing spaced from the cylinder at the vertical axial plane thereof to provide a passage of approximately the same depth as that of the aforesaid space, and being in part spaced a greater distance from the cyl-

inder to form a reservoir in open communication with the said space and the said passage, and diagonally arranged ribs on the base wall



of said reservoir whereby when the cylinder is rotated the water is agitated peripherally and longitudinally of the cylinder to establish a uniform condition of the water.

2,204,564
RECTIFIER
Willard H. Bennett, Newark, Ohio, assignor to Electronic Research Corporation, Newark, Ohio, a corporation of Ohio
Application April 8, 1939, Serial No. 266,848
17 Claims. (Cl. 175—363)

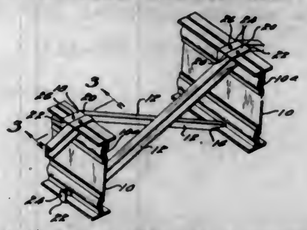


1. A rectifier comprising in combination an electric emitter, a target coacting with the electric emitter, a control electrode disposed adjacent the electric emitter and the target, an input circuit for supplying alternating current to be rectified, an output circuit connected with said target for deriving rectified current, and an assembly of electrodes comprising an auxiliary target and coacting electric emitters connected in shunt with said input circuit for deriving rectified current therefrom and applying a bias potential on said control electrode for suppressing alternate phases of the emission from the first said emitter.

2,204,565
PREPARATION OF CYCLOHEXENE
Edgar C. Britton, Robert C. Dosser, and John J. Sculati, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 9, 1938, Serial No. 194,858
4 Claims. (Cl. 260—666)

1. The process of preparing cyclohexene which comprises heating 1 part by weight of cyclohexyl chloride with between about 4 and about 8 parts of water in the presence of between about 0.5 and about 2.5 equivalents of an alkaline agent per mole of cyclohexyl chloride at a temperature between about 150° C. and about 225° C. under a pressure at least equal to the combined vapor pressures of the constituents of the reaction mixture at the reaction temperature.

2,204,566
BUILDING FRAME STRUCTURE
Henry W. Buelow, Detroit, Mich.
Application October 3, 1938, Serial No. 233,014
5 Claims. (Cl. 189—36)



1. In a structural assembly, a connection between a pair of spaced members each having an expansible flange, comprising a unitary member having an intermediate portion formed to extend between said members and having end portions integral with said intermediate portion and disposed to interlock with said flanges respectively, said end portions being dimensioned to wedge on said flanges when the latter are expanded, and a fastening element operatively associated with each said flange so as to effect said expansion of the corresponding flange.

2,204,567
MAGNESIUM ALLOY OF HIGH STRENGTH
Arthur Burkhardt, Berlin-Lichterfelde, and Richard Knabe, Berlin-Zehlendorf, Germany, assignors to Georg Von Giesche's Erben, Breslau, Germany, a corporation of Germany
No Drawing. Application September 3, 1938, Serial No. 228,322. In Germany September 21, 1937
3 Claims. (Cl. 75—168)

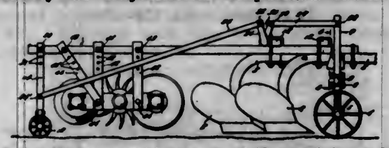
1. A magnesium alloy containing from 0.05 to 8 per cent of aluminium and substantially more than 2 per cent up to 14 per cent of bismuth, the remainder being substantially all magnesium.

2,204,568
MAGNESIUM ALLOY
Arthur Burkhardt, Berlin-Lichterfelde, and Richard Knabe, Berlin-Zehlendorf, Germany, assignors to Georg Von Giesche's Erben, Breslau, Germany, a corporation of Germany
No Drawing. Application September 3, 1938, Serial No. 228,323. In Germany September 21, 1937
3 Claims. (Cl. 75—168)

1. A magnesium alloy containing 8 to 14 per cent aluminium and about 3 to 4 per cent bismuth, the remainder substantially all magnesium.

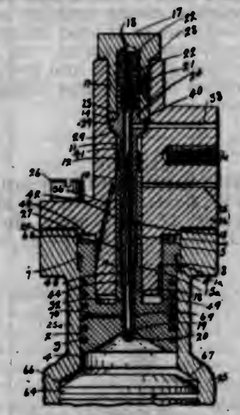
2,204,569
AGRICULTURAL MACHINE
Tolbert C. Bushong, Waveland, Ind.
Application February 23, 1939, Serial No. 258,087
4 Claims. (Cl. 97—6)

1. The combination with a gang plow having a pair of right and left ground wheels, and a pair of upright axle bars for said wheels swingable on said plow forwardly and rearwardly to elevate and lower the plows, of a frame attached to and extending rearwardly of said plow, a pair of ground wheels at the rear end of said frame, a pair of upright axle bars for said wheels mounted on said frame for forward and rearward swinging movement thereon to elevate and lower the rear end of the frame, a ground working assembly of implements suspended from said



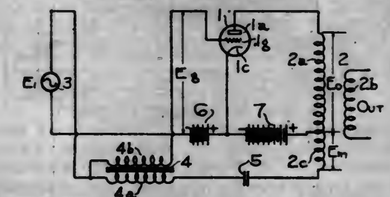
frame adjacent said rear end thereof for adjustment into and out of the ground under lowering and elevating of said frame, and operating connections between one of the axles of the pair first mentioned and the pair of second mentioned axles for swinging said second mentioned axles in correspondence with said one axle.

2,204,570
INTERNAL COMBUSTION ENGINE METHOD AND APPARATUS
Frank David Butler, United States Navy
Application August 18, 1937, Serial No. 159,690
10 Claims. (Cl. 123—139)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



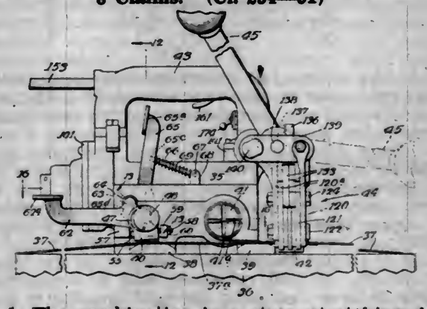
1. In association with an internal combustion engine, a liquid fuel atomizing and injecting assembly comprising in combination, a valve stem having a valve head to be exposed and open into the compression chamber of said engine, a stationary member surrounding said stem and having a small end adapted to be exposed in said chamber and serve as a seat for said valve head, also having a plurality of different sized plunger portions intermediate said small end and an opposite enlarged end portion, a movable member surrounding said stationary member and having a plurality of plunger chambers about said plunger portions, an oil cavity extending along and intermediate said stem and said stationary member near the enlarged end of the latter and having communication with a source of oil fuel supply and the larger of said plunger chambers, a second oil cavity extending along and intermediate said stem and said stationary member nearest the small end of the latter and having communication with the smaller of said plunger chambers, a resilient means retaining said valve head in contact with its seat, one end of said movable member being exposed to the pressure of said compression chamber whereby pressure in said compression chamber moves the movable member in relation to said stationary member to cut off communication between said oil cavities and entrap and compress oil fuel in said second oil cavity to thereby raise said valve head from its seat and inject some of said entrapped oil fuel into said compression chamber.

2,204,571
VOLTAGE REGULATION SYSTEM FOR VACUUM TUBE AMPLIFIERS
John F. Byrne, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application April 21, 1938, Serial No. 203,435
7 Claims. (Cl. 179—171)



1. An electron tube amplifier comprising an electron tube having anode, grid and cathode electrodes; an anode circuit including output means and a source of power connected between said anode and said cathode; a grid circuit including a transformer secondary winding, input means, and a source of bias potential connected between said grid and said cathode; a transformer primary winding coupled with said secondary winding; and a series circuit including said primary winding, a direct current blocking condenser, means for deriving a voltage from said output means, said sources of power and bias potential, and means for deriving a voltage from said input means; said voltages derived from said input and said output means being connected in phase opposition under no load conditions in said output circuit, and said secondary winding being connected so that voltage thereacross is effective to counteract voltage variations in said output circuit under load conditions for substantially reducing said variations and the voltage in said secondary winding.

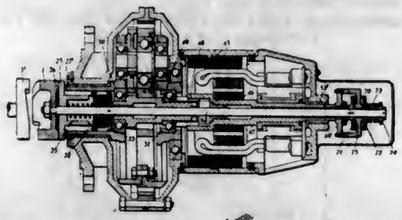
2,204,572
ELECTRICALLY DRIVEN STRETCHING TOOL
William C. Childress, Oak Park, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application November 16, 1936, Serial No. 111,088
6 Claims. (Cl. 254—51)



1. The combination in a strap stretching de-

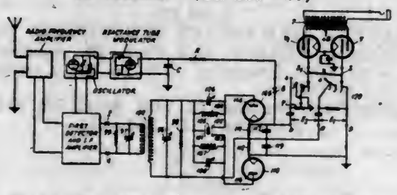
vice, of a casing having a flange adapted to extend beneath a strap, a gripping dog adapted to engage said strap, and means for locking said gripping dog in engagement with said strap.

2,204,573
ELECTRICALLY OPERATED ENGINE STARTER
Charles Edward Clouston, Osterley, England, assignor to Sperry Gyroscope Company, Inc., New York, N. Y., a corporation of New York
Application June 2, 1938, Serial No. 211,425
In Great Britain June 3, 1937
6 Claims. (Cl. 290—48)



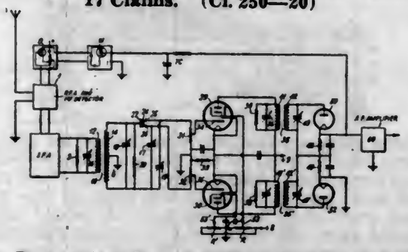
6. In an electrically operated engine starter of the jaw clutch type, a starting motor having a field, armature and shaft, a jaw clutch axially movable with said shaft, reduction gearing between said shaft and clutch for normal cranking, a direct connection from said shaft to said clutch including an overrunning device for maintaining the clutch teeth in rotational engagement during the cranking, and a spring urged detent for normally maintaining said armature out of line position with its field, whereby, upon starting the motor, an initial endwise thrust of the jaw clutch to effect engagement with the engine is effected, said detent resuming its opposition to such movement only when the armature has been returned to its normal position by other means.

2,204,574
THREE ELECTRODE CRYSTAL PHASE MODULATION RECEIVER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 22, 1938, Serial No. 186,273
23 Claims. (Cl. 250—20)



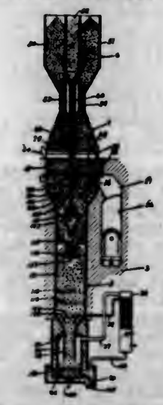
1. In a system for converting phase modulation on wave energy into corresponding amplitude modulations, an impedance on which said phase modulated wave energy may be impressed, a pair of diode detectors having input electrodes and having output electrodes connected in series, an under-neutralized crystal filter circuit and an over-neutralized crystal filter circuit comprising a single piezo-electric crystal having one input electrode connected to said impedance, and a pair of output electrodes connected to the input electrodes of said detectors, and a connection between a second point on said impedance and said detector input electrodes.

2,204,575
PHASE MODULATION RECEIVER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 10, 1938, Serial No. 195,041
17 Claims. (Cl. 250—20)



1. In a system for converting phase modulated wave energy to corresponding amplitude modulated wave energy, an impedance, a piezo-electric crystal having three electrodes, a pair of output terminals connected by impedances a point on which is connected to a point on said first impedance, means for impressing wave energy to be converted on said first impedance, means coupling one of said crystal electrodes to said first impedance, means coupling the other two of said crystal terminals each to one of said output electrodes, and reactive means coupling said one of said crystal electrodes to at least one of said pair of crystal electrodes to adjust the degree of neutralization of said crystal and thereby adjust the characteristics of the filters formed by said crystal and connections.

2,204,576
METHOD OF REDUCING ORES
Edward W. Davis, Minneapolis, Minn.
Application July 12, 1937, Serial No. 153,176
11 Claims. (Cl. 209—8)



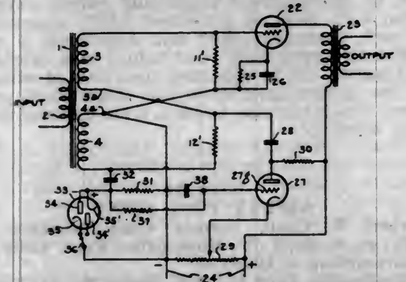
3. A process for converting hematite into magnetite which comprises moving a vertical column of relatively coarse ore downwardly through a current of heating gases, thereafter introducing relatively fine ore into the heated coarse ore while continuing the downward movement into a reducing zone, intimately commingling said fine and coarse ores in the presence of reducing agent while continuing said downward movement through said reducing zone and thereafter passing said ores through a reoxidizing zone containing steam.

2,204,577
IDENTIFICATION AND RECORDING DEVICE
Elmer W. Davis, Newton Center, Mass., and Arthur H. Maynard, Warwick, R. I., assignors to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine
Original application March 6, 1935, Serial No. 9,627. Divided and this application June 27, 1936, Serial No. 87,728
4 Claims. (Cl. 101—375)



1. A printing roller comprising a cylindrical body member having type faces on its periphery, and a hollow collar at one end of the body member having an internal flat seat and a notch at its end arranged in a particular angular relationship for providing a driving connection and to adapt the roller for selective use only with particular machines of a group.

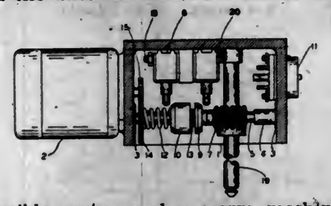
2,204,578
TRANSMISSION CONTROL SYSTEM
Frank M. Davis, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application March 31, 1938, Serial No. 199,319
4 Claims. (Cl. 179—171)



2. A transmission control system comprising in combination with an electron tube amplifier including anode, cathode and grid electrodes, an input transformer having a primary winding and dual secondary windings, a ballast resistor paired with each of said secondary windings, the voltage across one of said resistors being supplied as the input between said grid and cathode electrodes of said amplifier, control means energized from the secondary winding which is paired with the other of said resistors, means interconnecting said dual secondary windings and the ballast resistors respectively paired therewith for supplying energy from each of said secondary windings to both said resistors in phase opposition in each resistor for effectively blocking the transfer of energy to said amplifier, and means for connecting said control means with the last said means for variably supplying energy from said secondary windings directly to the resistors paired respectively therewith, whereby energy is transferred from the said one of said resistors to the said amplifier.

2,204,579
ANTENNA REEL MECHANISM
James K. De Armond and George L. Haller, Dayton, Ohio
Application December 15, 1939, Serial No. 309,411
24 Claims. (Cl. 242—101)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an antenna reel mechanism, the combination with a reel for the antenna wire, of a gear wheel and a common shaft on which said reel and gear are mounted for rotation in unison; drive means for rotating the reel to wind and unwind the antenna wire, said means including

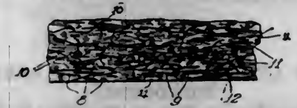


a reversible motor and a worm meshing with said gear; and means actuated by said worm and including spring elements for storing up energy under drive of the motor to retain the antenna under tension when in retracted position.

2,204,580
PROCESS FOR INCREASING THE PRODUCTIVITY OF WELLS
Melvin De Groote, St. Louis, Mo., assignor, by mesne assignments, to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 17, 1936, Serial No. 64,348. Renewed August 26, 1939
9 Claims. (Cl. 166—21)

1. The method of acid-treating a well in a petroleum fluid bearing formation which is coated with a wax, oil, or asphaltic film preventing the acid from attacking the formation, comprising introducing into the well an acid containing a relatively small proportion of a preferential wetting agent comprising an alkylated sulpho aromatic acid.

2,204,581
INSULATING MATERIAL AND ITS MANUFACTURE
Paul S. Denning, Joliet, Ill., assignor to F. E. Schundler & Co., Inc., Joliet, Ill., a corporation of Illinois
Application January 26, 1938, Serial No. 187,038
5 Claims. (Cl. 106—29)

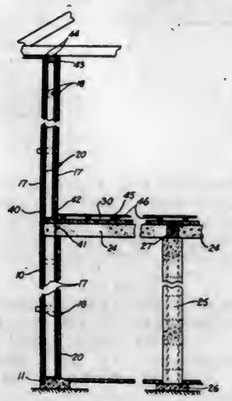


1. An unfired refractory insulation efficient at high temperatures against radiant heat comprising, in combination, particles of exfoliated vermiculite having shiny laminae capable of reflecting radiant heat and arranged so that a major portion thereof are generally parallel to each other and overlap each other in felting relationship to strengthen the material, and magnesium oxysulphate cement bonding the vermiculite particles together, said cement being used in a proportion insufficient to provide adequate strength without the added strength provided by the felting of said vermiculite particles.

2,204,582
WEAR-RESISTING CERAMIC COMPOSITION
William B. Donahue, Ossining, N. Y., assignor to Feldspathic Research Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application September 1, 1937, Serial No. 161,968
10 Claims. (Cl. 106—11)

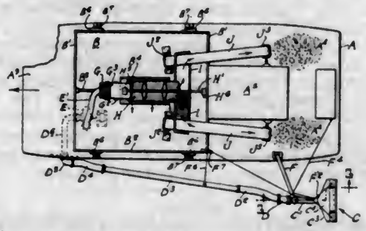
1. A non-porous wear resisting ceramic composition consisting of unfused zircon bonded by a glass bond.

2,204,583
CONCRETE BUILDING CONSTRUCTION
Herbert Pitman Falls, Vancouver, British Columbia, Canada
Application September 26, 1938, Serial No. 231,815
7 Claims. (Cl. 72—1)



1. In concrete building construction, a wall having therein a plurality of spaced-apart cores in line with each other and extending substantially the height thereof, a plurality of vertical rods disposed beyond each side of the cores and arranged between the ends of adjacent cores, horizontal temperature rods tied to the vertical rods on each side of the cores, said temperature rods extending the full length of the wall inside of the vertical rods and along the outer surfaces of the cores, wire mesh extending on each side of the cores the full height and length of the wall and tied to the vertical rods on the outside thereof, ground pieces tied to the vertical rods situated on the inner side of the cores, strappings secured to the ground pieces upon which laths or the like may be secured, and concrete embedding the cores, rods, wire mesh and ground pieces, said strappings projecting beyond the inner surface of the concrete.

2,204,584
METHOD AND APPARATUS FOR SHELLFISH DREDGING
Harry Butler Flower, Bayville, N. Y.
Application December 23, 1936, Serial No. 117,306
14 Claims. (Cl. 262—2)



1. In the art of shellfish cultivation the method or step of removing various matters from the bottom or bed, as oysters or shells, or starfish or other vermin, or mud, sand etc., consisting in hydraulic dredging thereof by causing a forced flow of water into a nozzle and through an ascending passage while applying the nozzle to the bottom for the removal of such matters whereby the matters are entrained and carried up with the water flow through such passage and therefrom to a place above water as the deck of a floating vessel or dredgeboat, and there collecting and holding the solid matters.

2,204,585
METHOD OF PRODUCING CAST STEELS
Albert P. Gagnebin, Fair Haven, N. J., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 12, 1938, Serial No. 207,501
9 Claims. (Cl. 75—58)

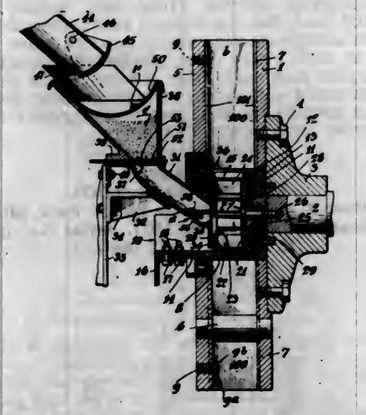
1. A method of consistently producing cast steels possessing freedom from porosity combined with high ductility which comprises establishing a bath of molten steel containing about 0.02% to about 0.05% sulfur, over-oxidizing said bath by adding iron oxide in such amounts that when a spoon test is made the molten steel of the test sample will effervesce slightly upon cooling, adding silicon and manganese to said bath and adjusting the composition of said molten steel while maintaining excess oxygen in said molten steel in such amounts that when a spoon test is made the molten steel of the test sample will effervesce upon cooling, transferring a portion of said molten steel to a ladle, adding to said portion of molten steel containing excess oxygen about 0.1% calcium and about 0.06% aluminum in such a manner that said aluminum is not added an appreciable time before said calcium, and casting the molten steel thus treated whereby low oxygen cast steels are consistently produced which combine freedom from porosity with high ductility.

2,204,586
SAFETY TOOL JOINT
Herbert E. Grau, Vernon, Calif., assignor to Byron-Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application June 15, 1938, Serial No. 213,792
3 Claims. (Cl. 285—146)



1. In a safety releasing drill string, the combination of a series of drill string sections with threaded joints connecting the same, a special joint capable of being more readily disconnected than said first named joints connected into the drill string near its lower end, said joint comprising two members with a thread connection between the same of higher pitch than the thread connections of said drill string sections, said two members having abutting shoulders, and a hardened anti-friction thrust washer clamped between said shoulders, said shoulders and said washer cooperating to enable the said joint to unscrew with less torque than the other threaded connections.

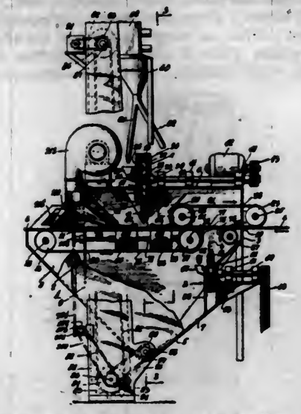
2,204,587
CENTRIFUGAL ABRASIVE BLASTING MACHINE
John E. Guendling, South Bend, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application June 25, 1938, Serial No. 215,753
4 Claims. (Cl. 51—9)



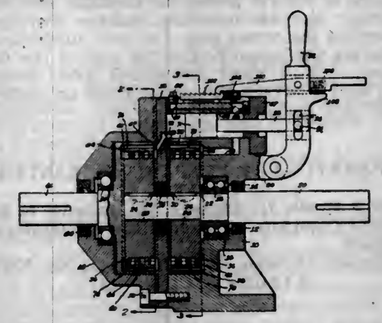
4. A centrifugal abrasive throwing machine including, a plurality of spaced rotatably mounted abrasive throwing blades, a normally stationary tubular control member having a discharge opening therein through which abrasive may be conducted into the path of rotation of said blades, a rotatably mounted impeller within said tubular control member, a gravity feed abrasive supply conduit extending from a point above said impeller to said impeller, and means for increasing the volumetric abrasive-conducting capacity of said feed conduit, said means comprising an air intake port in said conduit located in the underside and adjacent the discharge end thereof, and an element overhanging said port operative to guide the abrasive flowing down said conduit over said port and prevent the abrasive from escaping through said port.

2,204,588
APPARATUS FOR ABRASIVELY TREATING METAL ARTICLES
Roy William Guite, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application July 20, 1937, Serial No. 154,529
9 Claims. (Cl. 51—9)

3. Apparatus for blast cleaning and treating metal sheets, strips and the like comprising, a substantially horizontally extending work-piece supporting conveyor, an abrasive projector operative to fire abrasive particles at blasting velocities in a controlled downwardly directed stream having an impingement pattern extending transversely of said work-piece supporting conveyor, an abrasive conveyor extending transversely of said article conveyor positioned on each side of and closely adjacent the impingement pattern produced by said stream on the work-piece, and an inclined baffle for dividing the rebounding abrasive particles into two streams, which rebounding streams are directed by said baffles onto said abrasive conveyors.

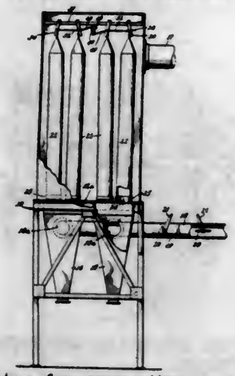


2,204,589
HYDRAULIC CLUTCH AND BRAKE MECHANISM
John Haller, Detroit, Mich., assignor to J. H. Tool & Machine Works, Detroit, Mich.
Application March 3, 1938, Serial No. 193,730
10 Claims. (Cl. 192—12)



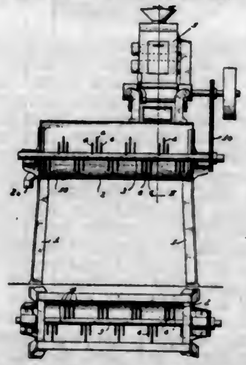
10. In a hydraulic mechanism, a driving shaft and a driven shaft, a pair of clutch members, one of said clutch members being supported on said driving shaft for rotation therewith and the other of said clutch members being supported on said driven shaft for rotation therewith, a pair of brake members for said driven shaft, one of said brake members being fixedly supported on said driven shaft and the other of said brake members being non-rotatable, said clutch members and said brake members being each formed for a running fit and provided at their confronting surfaces with grooved passageways extending obliquely across said members, and means for establishing a hydrostatic pressure within the passageways in said clutch members for at least reducing the relativity of movement between said driven shaft and said driving shaft, said means being further adapted for establishing a hydrostatic pressure within the passageways of said brake members for terminating relative rotation between said driven shaft and said non-rotatable member for stopping the rotation of said driven shaft.

2,204,590
DUST COLLECTOR
James Hugh Hamilton, Burbank, Calif., assignor to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California
Application July 9, 1938, Serial No. 218,483
10 Claims. (Cl. 183—58)



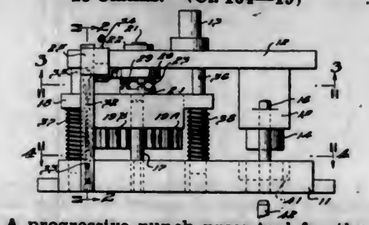
1. Apparatus for supporting and shaking a pair of spaced, substantially vertically extending cloth filter elements of the character used to filter suspended dust particles from a stream of air, comprising a pair of spaced rigid supports each mounted pivotally to swing about a substantially horizontal axis and attached to the top of one filter element at a position spaced from and below the axis to support the filter element; a source of motive power for shaking both filter elements; and an actuating linkage operatively connecting the power source to both supports and oscillating the supports and the tops of the filter elements about their associated axes through equal arcs of which the lowest point on each arc is near one end of the arc.

2,204,591
APPARATUS FOR PREPARING GRANULAR COFFEE
Albert J. Hazle, Jr., Chicago, Ill., assignor to B. F. Gump Company, Chicago, Ill., a corporation of Illinois
Application October 24, 1931, Serial No. 570,863
2 Claims. (Cl. 83—18)



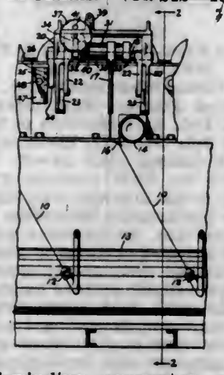
1. In an apparatus for preparing coffee which has been reduced in a mill to a coffee mass comprising granules and substantial particles of light chaff, a mixing casing having a substantially imperforate bottom which is transversely circular throughout substantially half of its cross section and having a flat top section, said casing also having at one end an inlet opening adapted to be completely closed by a coffee reducing mill disposed thereover and having a discharge opening at its other end, and rotating means including a plurality of beating elements all of which rotate in unison in said casing for beating and advancing coffee discharged therein from said inlet, along the under side of said top section, toward said discharge opening, said rotating means having a rotary path the top of which is spaced from the top of said casing so that a chaff beating and abrading zone is provided between the flat top section and said rotary path into which said particles of liberated light chaff are adapted to be centrifugally thrown from said rotary path against said flat top section and to be subjected to the abrading action of the mass of coffee granules as such coffee mass is whirled through said path and past said zone, whereby said chaff is comminuted and rendered substantially invisible in the ensuing treated mass, while preserving the granular form of the coffee.

2,204,592
PUNCH PRESS TOOL
Victor R. Heftler, Grosse Pointe Park, Mich.
Application January 11, 1937, Serial No. 120,008
13 Claims. (Cl. 164—19)



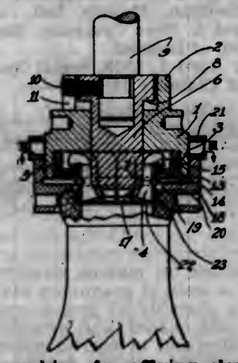
1. A progressive punch press tool for the purpose described comprising a blanking die, a blanking punch cooperating therewith, a plurality of pattern dies, a plurality of pattern punches corresponding thereto, means to cause cooperation between said pattern punches and said pattern dies, and means to cause said cooperation to occur or not according to a predetermined and recurring rhythm.

2,204,593
THREAD COLLECTING DEVICE
Foster F. Hillix, Lakewood, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application October 26, 1936, Serial No. 107,530
14 Claims. (Cl. 242—18)



3. Thread-winding apparatus comprising a thread-collecting device; traverse mechanism for guiding the thread; and means operated in timed relation with and acting upon said traverse mechanism to maintain a uniform thread length between said traverse mechanism and the outer layers of thread on said collecting device.

2,204,594
SEALING MACHINE
Emerson E. Hogg, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 14, 1938, Serial No. 195,697
3 Claims. (Cl. 226—86)



1. In a machine for affixing closures to containers, a rigid annular support having a semi-toroidal edge portion, a plurality of oscillatable closure expansion means carried solely by said support, and means for actuating said expansion means, each of said expansion means being suspended between said support and said actuating means by an outwardly extending end shoulder, said shoulder bearing tangentially against said semi-toroidal edge portion and maintaining line contact therewith throughout the operative arc of said expansion means, whereby said arc has a constant radius.

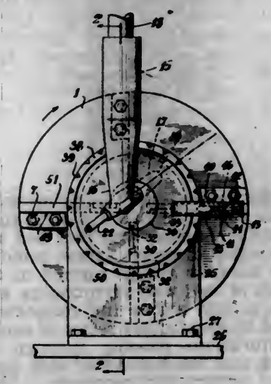
2,204,595
WEIGHING DEVICE OF THE BALANCE TYPE
John H. Hotson, Woodside, N. Y.
Application April 20, 1937, Serial No. 137,909
6 Claims. (Cl. 265—34)



1. A balance comprising an elongated member provided with an opening in its outer surface, a laterally flexible resilient suspensory member pivoted thereto, whereby said suspensory member is adapted to lie within said opening when in its inoperative position and to bear by resilient pressure against the side of said opening, and whereby also said suspensory member is adapted to swing freely from said elongated member when the latter is held in a substantially horizontal position, said suspensory member being provided with a hook at the free end thereof, and means whereby said elongated member may be fulcrumed.

2,204,596
ABRASIVE BLAST MACHINE
Edward R. Hughes, Morristown, N. J., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application April 26, 1938, Serial No. 204,268
8 Claims. (Cl. 51—9)

3. A machine for throwing abrasive at blasting velocities comprising a rotor including a side wall member, a plurality of spaced throwing blades carried by said side wall member and extending inwardly from adjacent the periphery of the rotor, and means for feeding abrasive into the path of rotation of said blades, said feeding means comprising a conduit having a discharge



outlet adjacent the path of rotation of the inner portions of said blades and offset radially from the axis of rotation of the rotor, said conduit being positioned to direct abrasive outwardly of the rotor and in the general direction of rotation of said rotor, and means comprising an air jet for accelerating abrasive in said conduit.

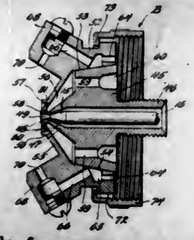
2,204,597
COMPOUNDED LUBRICANT
Robert L. Humphreys and Victor N. Borsoff, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 23, 1937, Serial No. 127,172
23 Claims. (Cl. 87—9)

1. A compounded mineral oil containing a metal salt of an organic acid in an amount sufficient to render the oil corrosive to bearing metals, such as copper-lead mixtures and cadmium-silver alloys and an organic ester having an unsaturated carbon to carbon bond conjugated with a carboxyl group of the ester, said organic ester being present in an amount sufficient to substantially reduce the corrosivity of said compounded oil.

2,204,598
COMPOUNDED LUBRICATING OIL
Robert L. Humphreys and Victor N. Borsoff, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 23, 1937, Serial No. 127,205
24 Claims. (Cl. 87—9)

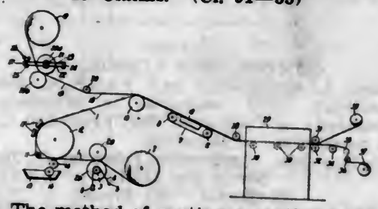
1. A compounded mineral oil containing a metal salt of an organic acid in an amount sufficient to render the oil corrosive to bearing metals, such as copper-lead mixtures and cadmium-silver alloys and an organic ester of a polycarboxylic acid having two carboxyl groups no more than two carbon atoms apart, said organic ester being present in an amount sufficient to substantially reduce the corrosivity of said compounded oil.

2,204,599
SPRAY GUN
Alexander Frederick Jenkins, Baltimore, Md.
Application January 9, 1936, Serial No. 58,399
5 Claims. (Cl. 299—140.1)



1. In a nozzle for spray guns or the like, in combination, an outer forward wall enclosing a compressed air chamber and provided with concentric centrally disposed spray liquid and air orifices, an annular groove formed in the outer forward face of said wall surrounding and closely adjacent to said orifice and connected to said air chamber by an annular series of small closely spaced perforations passing through the wall and opening into the bottom of said groove.

2,204,600
METHOD AND MEANS FOR COATING PAPER
Fred Kabela, Little Ferry, and George F. Whiting, Ridgefield, N. J., assignors to Lowe Paper Company, Ridgefield, N. J., a corporation of New Jersey
Application April 6, 1938, Serial No. 200,364
10 Claims. (Cl. 91—55)



10. The method of coating a continuous paper web to produce a smooth surface finish, which comprises applying a wet mineral coating to a face of the web, pulling the paper web forward around a smooth, round supporting surface, feeding into juxtaposed relation with the coated face of the web upon said smooth, round supporting surface a thin, freely flexible, pressing sheet of smooth, non-porous material, while maintaining the pressing sheet under tension to produce pressure of the pressing sheet against the coated face of the paper on the round supporting surface, the pressing sheet being more flexible than the paper web and being caused to follow all distortions of the paper web and its surface and to adhere continuously to said web, drying the coating and separating the flexible sheet from the coated face of the web.

2,204,601
COMPOUNDED LUBRICANT
Frank W. Kavanagh, Victor N. Borsoff, and Robert L. Humphreys, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 23, 1937, Serial No. 127,192
27 Claims. (Cl. 87—9)

1. A compounded mineral oil containing an addition agent in an amount normally sufficient to substantially increase the corrosivity of a mineral oil, said addition agent being a metal salt of an organic acid and selected from the group of compounds which increase the corrosivity of hydrocarbon oils to bearing metals such as copper-lead mixtures and cadmium-silver alloys, and a small amount of an organic hydroxy ester having at least one hydroxyl group no more than two carbon atoms removed from a carboxyl group of said ester whereby the corrosivity of the compounded oil is materially reduced.

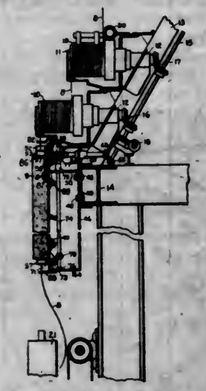
2,204,602
WIRE FENCE MACHINE
Harry L. Kitselman, Muncie, Ind., assignor to Indiana Steel & Wire Company, Muncie, Ind., a corporation of Indiana
Application April 1, 1939, Serial No. 265,411
18 Claims. (Cl. 140—4)



1. In a machine for making straight-line wire fabric having a mesh of graduated width, a movable carrier, a plurality of lock-forming devices mounted on said carrier and arranged in rows both in the direction of carrier movement and transversely thereof, means for feeding mesh wires to said carrier in planes between the former rows of lock-forming devices, and mechanism for deflecting each mesh wire laterally of itself and depositing it alternately in the lock-forming devices of the rows between which it is fed, said mechanism comprising a pair of shift rods mounted on said carrier on opposite sides of each transverse row of lock-forming devices and interconnected for joint movement parallel thereto, means for successively shifting said pairs of shift rods alternately in opposite directions from a normal position to a shifted position and returning them to normal position as the carrier moves, each of said shift rods being provided with a series of wire-engaging abutments disposed thereon to be in association with the respective lock-forming devices of the associated transverse row thereof when in shifted position, the means for feeding mesh wires being arranged to feed mesh wires for the coarse-mesh portion of said fabric into association with said abutments at a point in carrier movement where said abutments are in normal position and to feed mesh wires for the fine-mesh portion of said fabric into association with said abutments at a point in carrier movement where the associated abutments are in an intermediate position such that only one of said latter mesh wires will intervene between each abutment and its shifted position.

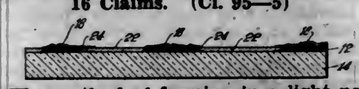
2,204,603
APPARATUS FOR DRYING THREAD OR THE LIKE
Hayden B. Kline, Cleveland, and Lavern J. Jordan, Fairview Village, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application September 7, 1937, Serial No. 162,700
9 Claims. (Cl. 34—48)

1. Apparatus for drying wet thread comprising, in combination, a unitary helix-forming device on the periphery of which the thread is continuously but temporarily stored in a large number of closely spaced generally helical turns; means for mounting said helix-forming device for rotation about its own axis; and, cooperating with said helix-forming device in the removal



of moisture from the thread, an elongated drying chamber through which the thread is passed endwise in a generally longitudinal path.

2,204,604
METHOD OF FORMING DESIGNS IN POLARIZING MATERIAL
Edwin H. Land, Boston, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application May 27, 1939, Serial No. 276,232
16 Claims. (Cl. 95—5)



16. The method of forming in a light-polarizing surface an image corresponding to an image formed in a resist which comprises acting on said surface and through said resist with a medium which alters the polarizing properties of those portions of the surface with which it comes in contact.

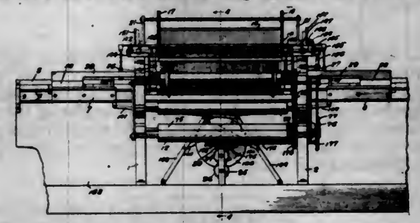
2,204,605
POWDER PUFF
Mary Stevens Landsman, Chicago, Ill., assignor to The Pufpak Company, Chicago, Ill., a corporation of Illinois
Application June 8, 1939, Serial No. 278,035
7 Claims. (Cl. 132—78.5)



1. A powder puff comprising a front side of material adapted for applying powder to the desired surface, a back side secured marginally to said front side, a pad between said back and front sides, and a bushing extending through said pad and said back side and defining a filler opening for the introduction of powder into place between said pad and the inner surface of said front side.

2,204,606
LOOM
Jonathan Lucas, Savannah, Ga.
Application September 29, 1938, Serial No. 232,449
12 Claims. (Cl. 139—124)

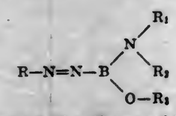
1. Loom of that type in which the weft filling is drawn from yarns at opposite sides of the warp fed from separate supply sources, tensioning means for said yarns at opposite sides of said warp, carriers reciprocable in opposite phase in a path extending transversely of the warp between the line of the fell and said tensioning means, from positions outside the warp to lapping positions at the middle of the shed, said carriers cooperating to lay a double fill loop through the shed derived alternately from opposite yarns, at each reversal of said shed, normally closed jaws on said carriers, so shaped as to freely embrace the yarn permitting it to run through said jaws, said opposite yarns between the line of the fell and said tensioning means intersecting



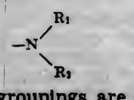
the path of said jaws, means for operating the jaws of said carriers, so synchronized that the jaw of one opens at the beginning of each alternate of its inward strokes to receive the yarn which it engages at a point between the fell and tensioning means, that the jaws of both open at the middle of the shed to effect transfer of the yarn from the one to the other of said carriers and then close, that the jaw of the one carrying the bight of the transferred loop opens to release said bight beyond the line of the selvage, and that the jaw of the simultaneously returning other carrier opens in the course of its return stroke to release the yarn which it embraces.

2,204,607
AZO COMPOUNDS AND PROCESS FOR COLORING THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 12, 1938, Serial No. 240,115
7 Claims. (Cl. 260—206)

1. The azo dye compounds having the general formula:



wherein R represents the residue of an aryl nucleus of the benzene series, B represents the residue of an aryl nucleus of the benzene series containing but one benzene ring, R_1 and R_2 each represents a member selected from the group consisting of hydrogen, an alkyl group, an allyl group, a cycloalkyl group, an aryl group and a heterocyclic group, R_3 represents the residue of an aryl nucleus of the benzene series containing but one benzene ring and wherein the



and the —O—R_3 groupings are attached to the benzene nucleus B in para and ortho position, respectively, to the azo bond.

2,204,608
SUBBING PHOTOGRAPHIC FILM
James G. McNally and Russel H. Van Dyke, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 30, 1938, Serial No. 248,497
12 Claims. (Cl. 95—9)

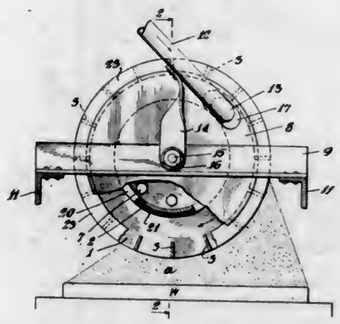


1. A flexible photographic film free from brittleness, comprising a cellulose organic derivative support and an emulsion layer, and between said support and said emulsion layer, a subbing layer of a resinous ester of the lactone of a heteropolymer of a vinyl compound and an unsaturated α,β-dicarboxylic acid.

2,204,609
METHOD OF IMPROVING LUBRICATING OIL
Louis A. Mikeska, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 26, 1936, Serial No. 102,706
18 Claims. (Cl. 87—9)

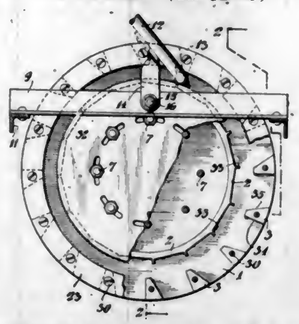
1. A method of improving a naphthenic lubricating oil which comprises adding to the oil to be improved a relatively small amount of an acyl halide and condensing the resulting mixture in the presence of a catalyst of the Friedel-Crafts type.

2,204,610
ABRASIVE EQUIPMENT
Verne E. Minich and Gerald N. Grove, Mishawaka, Ind., assignors to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application December 30, 1933, Serial No. 704,777
13 Claims. (Cl. 51—9)



2. An abrasive machine including in combination, a rotatable drum, means for depositing abrasive on the outer periphery of said drum, and a plurality of radially extending blades spaced from said drum and operative to throw the abrasive in a predetermined direction as it is centrifugally thrown from the drum.

2,204,611
ABRASIVE EQUIPMENT
Verne E. Minich, Scarsdale, N. Y., and Gerald N. Grove, Mishawaka, Ind., assignors to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Original application December 30, 1933, Serial No. 704,777. Divided and this application May 5, 1939, Serial No. 271,992
8 Claims. (Cl. 51—9)



8. A machine for cleaning metal sheets, castings and the like which includes, rotatably mounted throwing blades, a drum, means for depositing a stream of abrasive at a predetermined point on the outer periphery of said drum, means associated with said drum for assembling the abrasive as individual charges, means for rotating said drum at speeds sufficient to throw each charge of the abrasive tangentially therefrom and thus give the charge an initial velocity in the general direction of rotation of said blades, said blades being operative to hurl the moving abrasive so as to increase the velocity thereof sufficient to exert a uniform abrasive action upon the material to be cleaned when impinged by the abrasive particles.

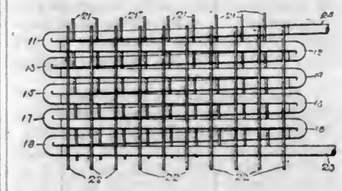
2,204,612
SIZED PAPER
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application June 10, 1936, Serial No. 84,587
5 Claims. (Cl. 91—68)

1. A paper material which has been sized with a combination of 90% of paraffin and 10% cacao butter.

2,204,613
HEAT EXCHANGER
Rudolph S. Nelson and Arnold D. Siedle, North Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 29, 1935, Serial No. 29,008
7 Claims. (Cl. 257—255)

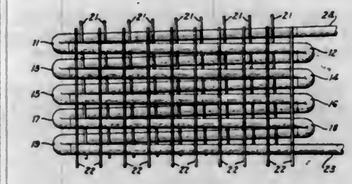
1. A heat transfer device adapted for use in a refrigerating system, said device consisting of a conduit formed into a coil with heat transfer means thereon, said coil including a series of pipes, each pipe having a straight portion with a hook on one end thereof, the end of each straight portion being welded to the end of a hook on the next succeeding pipe of the series and said heat transfer means including plates having holes therein through which the straight portions of the pipes pass, the pipes on one side of the coil passing through one set of plates and

the pipes on an opposite side of the coil passing through another set of plates, one set of plates having a V-shaped projection along one edge thereof and the other set of plates having a



V-shaped depression along the edge thereof, the arrangement being such that the V-shaped edges of the respective sets of plates are disposed adjacent one another.

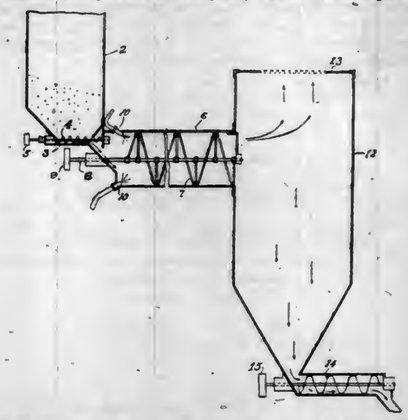
2,204,614
METHOD OF MAKING A HEAT EXCHANGER
Rudolph S. Nelson, Larchmont, N. Y., and Arnold D. Siedle, Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Original application June 29, 1935, Serial No. 29,008. Divided and this application May 16 1938, Serial No. 208,278
9 Claims. (Cl. 29—157.3)



1. The method of fabricating a continuous finned-coil heat exchanger comprising, placing return bend loops in one end of a plurality of similar conductors, dividing the conductors so formed into two substantially equal groups, inserting the unlooped ends of each group into snuggly fitting, staggered openings in a plurality of similar members of high heat conductivity, and joining the looped ends of one group with the unlooped ends of the other group in such manner as to form a continuous passage of varying elevation from the inlet to the outlet of the heat exchanger.

2,204,615
PROCESS OF MAKING SOLUBLE STARCH
Walter A. Nivling, Newton, Mass.
Application August 26, 1937, Serial No. 161,052
2 Claims. (Cl. 127—33)

1. That improvement in the method of producing an oxidized starch conversion product which consists in suspending a mixture of finely divided dry starchy material, an oxidizing agent and an oxidation retardant simultaneously and continuously in a gaseous medium in a sufficient quantity to effect the desired amount of conversion while maintaining the mixture in such a moist condition as to provide a moist powder, subjecting said mixture to a vigorous mechanical mixing action for a sufficient period of time while so suspended to substantially entirely coat the entire surfaces of substantially all of said starchy material with the oxidizing agent with which it is intimately intermingled, and subsequently



separating the starch so treated from said medium and collecting the treated starch.

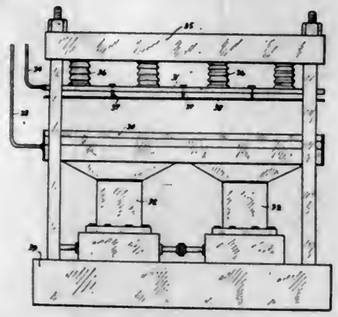
2,204,616
PROCESS FOR DEHYDRATION OF ACETIC ACID AND OTHER LOWER FATTY ACIDS
Donald F. Othmer, Brooklyn, N. Y., assignor to Tennessee Eastman Corporation, Kingsport, Tenn., a corporation of Virginia
No Drawing. Application December 22, 1933, Serial No. 703,556
5 Claims. (Cl. 202—55)

1. A continuous extraction and distillation process for treating aqueous solutions containing at least one lower aliphatic acid to eliminate water and produce recovered aliphatic acid free from solvent, which comprises substantially continuously extracting said aqueous solution with an unsymmetrical ether solvent having a boiling point within the range of 80° C.–105° C. to form an extract essentially comprising ether, acid and some small amount of water present in the extract, substantially continuously feeding said ether-acid mixture in the vaporous condition to a distillation column, conducting azeotropic distillation in the distillation column wherein an ether-water azeotrope is removed from the upper portion of the column, condensing this azeotrope, separating the condensate into a solvent layer and a water layer, providing adequate reflux to the column during the azeotropic distillation by returning portions of both solvent and water layers to the column, and conducting a portion of the solvent to the extraction step for forming further extract feed.

2,204,617
METHOD AND APPARATUS FOR INTERNALLY ELECTRICALLY HEATING EXPANDING RUBBER
Frederick William Peel, Severna Park, and Charles James Kilduff, Baltimore, Md.
Application June 12, 1935, Serial No. 26,164
4 Claims. (Cl. 18—17)

1. In a press for curing rubber dough admixed with an electrically reactive substance: a first platen having a first conducting surface yieldingly mounted; a second platen parallel to and movable with respect to said first platen, having a second conducting surface opposite said first surface; means for controlling the pressure

upon rubber dough placed between said first and second surfaces; and means for conducting electric current to said first and second surfaces and through said dough whereby said dough is uniformly internally heated to vulcanizing temperature by electrical energy absorption.



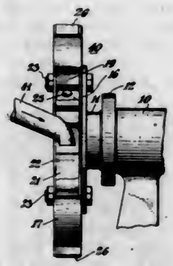
3. The method of treating rubber by electric current which comprises impregnating the rubber with an electrically conducting solution, subjecting the rubber to a low frequency alternating current to internally electrically heat the rubber dough by conduction sufficient to gradually vaporize the solvent thereby rendering the rubber dough less and less conductive, and continuing to subject the rubber dough to alternating current after the solvent has substantially evaporated, whereby the rubber is additionally internally heated homogeneously to the vulcanizing temperature by the dielectric energy loss effects.

2,204,618

DIRECT IMPULSE SANDBLAST SYSTEM

Louis D. Peik, Mishawaka, Ind., assignor to The American Foundry Equipment Company, New York, N. Y., a corporation of Delaware

Application October 12, 1932, Serial No. 637,389
Renewed August 12, 1939
11 Claims. (Cl. 51—9)



1. A rotor for throwing abrasive particles including a rotatably mounted side wall member, a plurality of blades supported from said side wall member and extending inwardly short of the axis of rotation of said side wall member to define a central opening, and an abrasive supply conduit having a turned formation on the end thereof which extends into said central opening, said turned formation having a discharge outlet so positioned and arranged as to direct the abrasive radially across the inner ends of said blades.

2,204,619

PRODUCTION OF SHAPED CATALYSTS

Mathias Pier, Heidelberg, and Eugen Anthes, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

No Drawing. Application December 7, 1937, Serial No. 178,444. In Germany January 23, 1934

11 Claims. (Cl. 23—236)

1. A process for the preparation of a shaped catalyst by means of mechanical pressing which comprises pasting up with an aqueous liquid such catalytically active oxidic compound of a metal selected from groups 4 to 7 of the periodic system as is capable of acting as an acid, together with another metal compound which is capable of setting with the first mentioned compound, then subjecting the resulting paste to drying, grinding the dried mass, adding thereto a mixture of the same acid substance and of the substance capable of setting therewith when pasted up with an aqueous liquid, but which mixture has not been subjected to the said pasting, drying and grinding treatment, and finally pressing the whole into shaped pieces.

2,204,620

LUBRICATING COMPOSITION

Carl F. Prutton, Cleveland, and Albert K. Smith, Shaker Heights, Ohio, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Ohio

No Drawing. Original application July 26, 1934, Serial No. 737,070. Divided and this application October 22, 1937, Serial No. 170,500

2 Claims. (Cl. 87—9)

1. A lubricating composition comprising a major proportion of mineral oil and minor proportions of both a halogenated organic compound and sulphurized mineral oil.

2,204,621

PROCESS FOR THE RECOVERY OF ORGANIC ACIDS AND OTHER SUBSTANCES FROM A TOBACCO EXTRACT

Lyell M. Rader, deceased, late of Burlington, N. C., by Jennie Campbell Rader, administratrix, Burlington, N. C., assignor to Chemical Extraction Corporation, Elkton, Ky., a corporation of Kentucky

Application July 15, 1938, Serial No. 219,482

13 Claims. (Cl. 260—527)

5. In a process for recovering the organic acids and other valuable constituents of tobacco present as solutes in an extract obtained from denicotinized tobacco, albuminous matter and pectin being present in the extract as insoluble material, the steps of removing said albuminous matter and pectin by subjecting the extract to successive stages of high speed centrifugal separation, precipitating the acids in the form of their salts, and separating the precipitates from the extract, the albuminous matter and pectin being coagulated prior to the stage of centrifugal separation preceding precipitation of said salts.

2,204,622

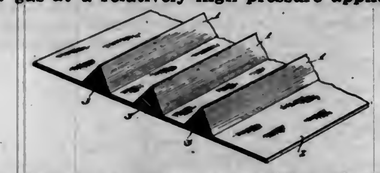
METHOD OF MANUFACTURING WINDLACE CORD

James S. Reid, Cleveland, Ohio, assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware

Application March 27, 1936, Serial No. 71,239

3 Claims. (Cl. 18—59)

1. The method of manufacturing expanded rubber articles which comprises applying a plurality of strips of rubber composition of triangular cross-section to a layer of fabric spaced apart by a predetermined distance, the apex angle of the plurality of triangular strips totaling 360°; impregnating the rubber strips with an inert gas at a relatively high pressure applied ex-



ternally of the rubber composition; finally expanding the rubber strips so that they become offset from the fabric and so that their apex angles total 360 degrees, jointly wrapping the fabric to form said strips into a cylindrical core; and engaging the outer edges of the fabric to enclose the circular rubber core.

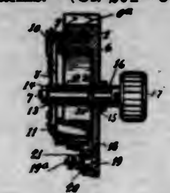
2,204,623

VARIABLE RESISTOR

Samuel Ruben, New Rochelle, N. Y.

Application July 17, 1936, Serial No. 91,027

4 Claims. (Cl. 201—56)



1. A resistance element for a variable resistor adapted to operate at high temperatures comprising a coil of resistance wire having over substantially its entire surface and bonded thereto by a silicate binder, a thin, hard, uniform, nonsoftening adherent coating comprising a plurality of layers of extremely finely divided high heat resistant particles of inorganic insulating materials of the group comprising high heat resistant silicates and oxides, said resistance element coil being closely wound and the turns thereof being unseparated other than by the insulating coating on the wire, a portion of the insulation being cut away so as to leave a bare section across said coil whereon a movable conductor may make electrical contact with said coil, and a cast metal housing in direct contact with said coil and covering a substantial part thereof.

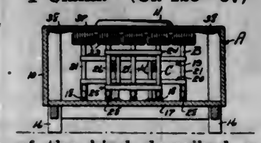
2,204,624

MASSAGE TABLE

Kenneth A. Rupp, Pittsburgh, Pa., assignor of one-tenth to John H. Proudley, Jr., Pittsburgh, Pa.

Application November 23, 1937, Serial No. 176,126
Renewed August 31, 1939

1 Claim. (Cl. 128—57)



A table of the kind described comprising a base, a plurality of tracks arranged in spaced parallel relation to each other upon said base, frames interfitted with each other, caster wheels on said frames and movable on said tracks, tubular uprights fitting said frame, plungers within said uprights, means within the uprights for yieldably supporting the plungers therein, yokes on said plungers, massage rollers journaled in said yokes, a flexible sheet yieldably suspended for contact of the said massage rollers therewith at the under side of the same, and means connected with said frames and operating the same simultaneously with each other in reverse directions to one another.

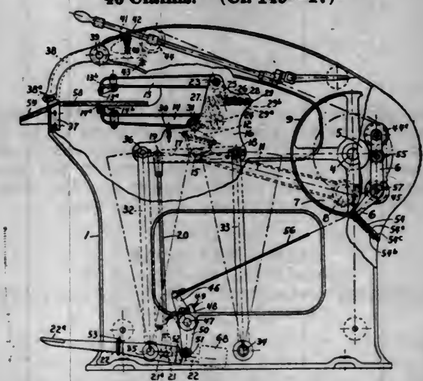
2,204,625

STAKING MACHINE

Gustav A. Schettler, Leeds, England, assignor to The Turner Tanning Machinery Company, Peabody, Mass., a corporation of Maine

Application January 24, 1938, Serial No. 186,635
In Great Britain February 2, 1937

46 Claims. (Cl. 149—17)



17. In a machine for treating pieces of work, such as leather, a tool for operating on the work piece, a carriage for the tool, means for reciprocating the carriage to move the tool along a surface of the work piece while the latter is held against movement, a cam member pivotally connected to the carriage and with the reciprocating means for the carriage to cause pressure of the tool with respect to the work piece during relative movement between the tool and work piece, a support for the cam member and carriage comprising a pair of parallel link members pivotally connected at their upper ends to the carriage, a third link member pivotally connected at its upper end to said cam member, a treadle pivotally connected to the lower end of said third link member, the connection between the third link member and the treadle comprising a pin and a slot and the arrangement being such that with the pin at the middle of the slot the third link is parallel to the pair of link members and the cam member is caused to effect substantially uniform pressure of the tool on the work piece during operative stroke of the latter while adjustment of the pin in the slot to either end of the latter causes a progressive variation in the pressure of the tool on the work piece during its operative stroke.

2,204,626

PUMP LINER

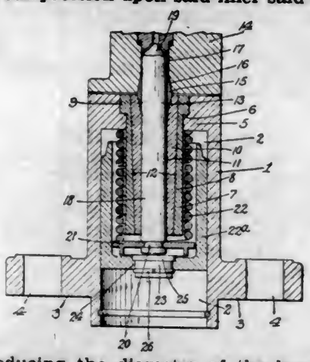
Philip Lane Scott, Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind., a corporation of New York

Application November 12, 1936, Serial No. 110,484

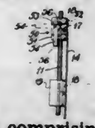
9 Claims. (Cl. 308—4)

1. In combination in a pump having a barrel and a piston, a multi-part barrel having a cylindrical bore, adapted to receive a piston, one of said parts comprising a unitary, ferrous liner,

a second part situated outside of said liner and acting thereupon, said second part being fixed with relation to said liner during pump operation and exerting a predetermined degree of initial compression upon said liner said compression reducing the diameter of the bore of said liner in minute amount and causing it to fit and mate with the plunger to microscopic accuracy and producing stresses within the material of said liner which stresses are well within the elastic limit of the material used.



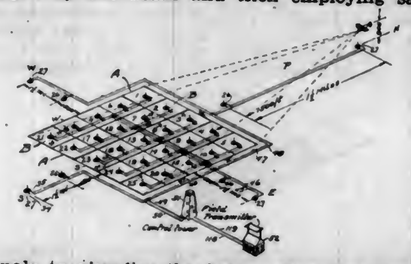
2,204,627
SLIDE FASTENER
Samuel Segal, Brooklyn, N. Y.
Application November 17, 1937, Serial No. 174,932
3 Claims. (Cl. 24—207)



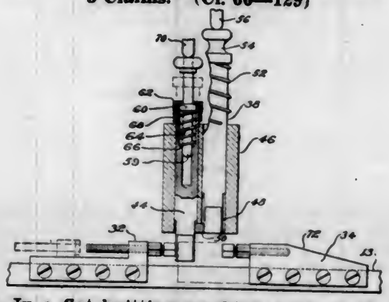
1. In a fastener comprising spaced tapes having beaded edges defining an elongated gap; a one piece runner including spaced grooves disposed longitudinally thereof and having walls slidably guided by said edges, said runner having a lower expanded and an upper contracted portion integral and in vertical alinement with said expanded portion, said portions defining spaced shoulders disposed longitudinally of said runner and extending laterally of said contracted portion, a ribbon secured to said expanded portion for closing said gap, a fulcrum pin secured within and extending widthwise of said runner, a loop swingably mounted on said pin and having spaced arms removably straddling said contracted portion, and cam means projecting from said arms for disconnectably clamping portions of said tapes against said shoulders.

2,204,628
BLIND LANDING SYSTEM
Edward M. Sorensen, Wright Field, Ohio
Application January 28, 1938, Serial No. 187,439
14 Claims. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

8. A method of transmitting and translating directive radio beacon signals, consisting in sweeping a landing field with a beam of radiant energy emanating from an aircraft and directed in a plane normal to its line of flight, utilizing the sweep of the beam across the surface of the landing field to impinge a series of beam responsive points within the boundaries of the field, causing the impingement of the beam with the points to produce a plurality of signals, each signal having a predetermined frequency to identify geographically the particular point impinged by the beam and then employing said signals to visualize the beam responsive points aboard an aircraft whereby to indicate the position of the aircraft relative to the respective points at the time each visualization is received.

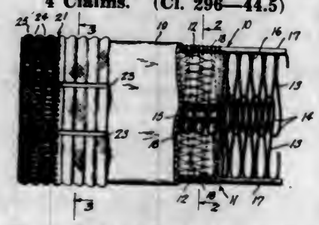


2,204,629
FLAT KNITTING MACHINE
Kurt P. Spindler, Reading, Pa., assignor to Karl Lieberknecht, Inc., Reading, Pa., a corporation of Pennsylvania
Application July 10, 1937, Serial No. 152,955
5 Claims. (Cl. 66—129)



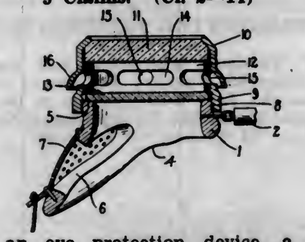
1. In a flat knitting machine, a carrier rod, a stop pin, actuating means to move the pin into operative relation with the carrier rod, said means acting on the pin in advance of the time required for coaction thereof with the carrier rod, an abutment on the carrier rod, and means associated with the carrier rod for lifting the prematurely activated stop pin over the abutment.

2,204,630
WINDOW GUIDE CHANNEL
Louis Spraragen, Bridgeport, Conn., assignor to Bridgeport Fabrics, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application November 17, 1938, Serial No. 240,951
4 Claims. (Cl. 296—44.5)



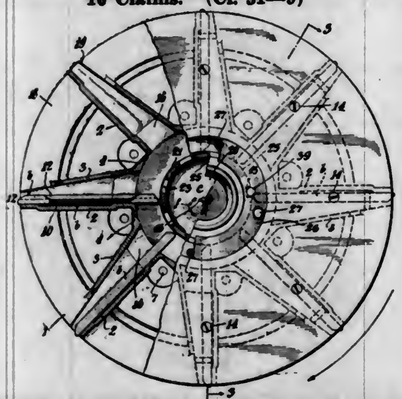
1. A channel shaped window guide comprising a pair of longitudinally extending stiffening members each comprising fibre warps and resilient wire wefts forming loops at the inner edges of the stiffening members, said inner edge portions of said members being overlapped and secured together against lateral separation, and said members being covered with a flexible rubber composition.

2,204,631
EYE PROTECTING DEVICE
Edgar D. Tillyer, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 22, 1937, Serial No. 181,139
5 Claims. (Cl. 2—14)



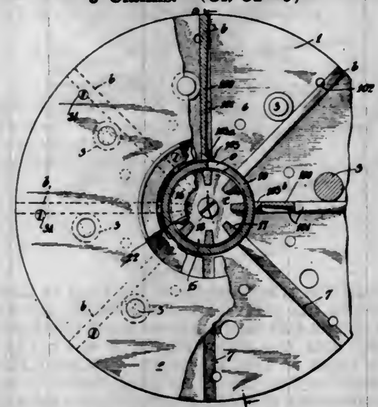
1. In an eye protection device, a support adapted to be positioned before the eyes, means composed of lens medium carried by said support having ingredients therein for absorbing heat waves of a predetermined wave length and to reradiate said waves at a different controlled wave length, a normally transparent sheet-like member carried by said support in spaced relation with said first means for intercepting said reradiated waves, said normally transparent sheet-like member having characteristics which renders said member substantially opaque to heat waves of the wave length of said reradiated waves, means for excluding heat rays, other than said reradiated waves, from said sheet-like member, ventilating means in said support at a position located between the first means and the normally transparent sheet-like member and spacer means having portions lying between said lens medium and said sheet-like member in engagement with peripherally opposed sections of said member for maintaining said spaced relation throughout the periphery of said member.

2,204,632
ABRASIVE THROWING MACHINE
David C. Turnbull, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application February 5, 1934, Serial No. 709,727
16 Claims. (Cl. 51—9)



4. A machine for throwing abrasive at blasting velocities including in combination, a rotatably mounted feeding chamber having a surrounding side wall, rotatably mounted propelling blades arranged around the side wall of said chamber, said chamber having a discharge opening in the side wall thereof adjacent to the inner end of each blade, and means for depositing abrasive in said chamber.

2,204,633
ABRASIVE-THROWING WHEEL
David C. Turnbull, Mishawaka, Ind., assignor to American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application November 17, 1936, Serial No. 111,212
3 Claims. (Cl. 51—9)

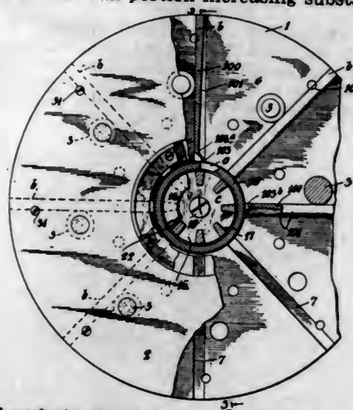


1. A blade adapted for use in centrifugal abrasive throwing wheels of the character including a rotor adapted to be driven at high speeds and carrying a plurality of radially extending throwing surfaces with means for feeding abrasives onto the inner ends of said surfaces, said blades having a propelling surface along which the abrasives may be gradually accelerated formed from a metallic compound which is highly resistant to abrasive wear, impact shocks and metal fatigue incident to prolonged operation in the throwing of steel grits, sand and similar abrasive particles at blasting velocities, said metallic compound including approximately 2 to 3% by weight of carbon, approximately 4 to 6% by weight of metal of the molybdenum group, approximately 2 to 6% by weight of chromium, approximately one-half of one percent to 3% by weight of silicon, and the remainder substantially pure iron.

2,204,634
ABRASIVE-THROWING WHEEL
David C. Turnbull, Mishawaka, Ind., assignor to American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Original application November 17, 1936, Serial No. 111,212. Divided and this application February 9, 1937, Serial No. 124,815
6 Claims. (Cl. 51—9)

1. A blade adapted for use in centrifugal abrasive throwing wheels of the character including a rotor adapted to be rotated at high speed and carrying a plurality of radially extending, channel-shaped, throwing blades along which the abradant may be accelerated, with means for feeding abradant onto the inner ends of the blades, said blade being formed from metal of uniform molecular structure resistant to abrasive wear and having a bottom wall portion and substantially similar straight parallel extending side wall portions operative to retain the abradant

within the channel confines thereof, and a lip portion at the inner end of said bottom wall portion having a concavely curved leading face and a beveled trailing face tapered to a relatively fine edge, said lip portion being inclined forwardly in the direction of rotation of the rotor to scoop up the abrasive flowing from said feeding means, said bottom wall portion increasing substantially



uniformly in thickness from the base of said lip portion to the outer end of the blade, the inside faces of said side wall portions being substantially parallel over the major length of the blade, the inside faces of said side wall portions adjacent the inner end of the blade being flared to facilitate movement of the abrasive onto the advancing face of the blade.

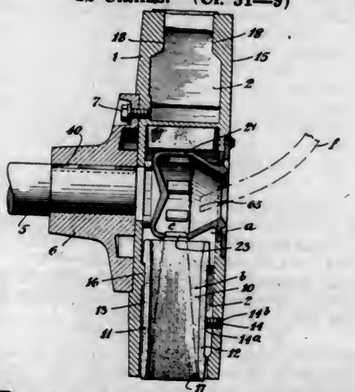
2,204,635

CENTRIFUGAL ABRADING MACHINE

David C. Turnbull, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

Original application February 5, 1934, Serial No. 709,727. Divided and this application August 4, 1938, Serial No. 222,961

12 Claims. (Cl. 51—9)



8. For use in a centrifugal abrasive throwing rotor head, a rigid abrasive propelling blade formed of wear resistant metal embracing a bottom wall portion and a pair of similar spaced substantially parallel extending abrasive confining side wall portions, each of said side wall portions being of uniform height substantially throughout the entire length thereof, said bottom wall portion having a substantially flat inside abrasive receiving surface from which said side wall portions rise substantially perpendicular thereto and a substantially flat outside surface substantially co-planar with the lower edges of said side wall portions, one end of said blade being tapered so as to facilitate entry of abrasive onto the abrasive receiving face of said bottom wall portion, the exterior face of each of said side wall portions having a blade securing notch therein.

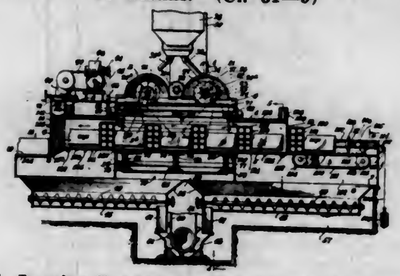
2,204,636

APPARATUS FOR TREATING METAL ARTICLES

David C. Turnbull, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

Application September 24, 1938, Serial No. 231,499

14 Claims. (Cl. 51—9)



1. In abrading apparatus for cleaning metal castings, forgings and the like, in combination, a centrifugal abrasive projector for projecting a stream of abrading material, means for supporting an article in said stream including an endless flexible member, means mounting said endless flexible member to define a generally trough-like supporting surface, means for traveling said member to effect a turning movement of an article supported thereon, and means operable independently of the movement of said endless flexible member for advancing said article therealong.

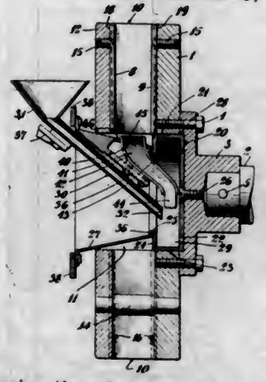
2,204,637

ABRASIVE PROJECTING MACHINE

Chester E. Unger, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

Application June 9, 1938, Serial No. 212,799

13 Claims. (Cl. 51—9)



4. Abrasive throwing apparatus comprising a rotor having a plurality of spaced throwing blades extending in a generally radial direction

from adjacent the periphery to inwardly short of the axis of rotation of the rotor, a container providing an abrasive-receiving recess disposed about the axis of rotation of said rotor and offset axially from said blades, relatively fixed guide means for transferring abrasive from said container to said throwing blades including a portion in said recess and a portion exteriorly of said recess and having a discharge edge disposed at a point adjacent the path of rotation of the inner ends of said blades and substantially parallel to the inner ends of said blades, and means for feeding abrasive to said container.

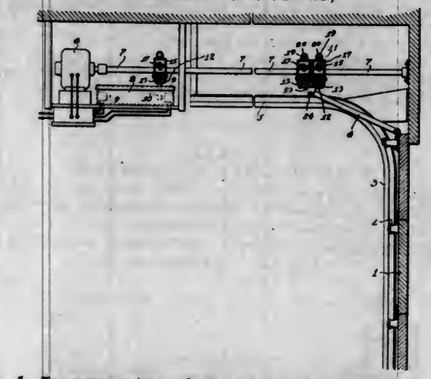
2,204,638

DOOR OPENING MECHANISM

Warren F. Weathers, Detroit, Mich., assignor of one-half to Louis J. Flint, Detroit, Mich.

Application May 10, 1937, Serial No. 141,597

2 Claims. (Cl. 74—25)



1. In apparatus of the character described, a substantially cylindrical rotary drive element, at least three rollers grouped about said drive element for engagement with the outer periphery thereof and having their axes angularly disposed with respect to the axis of the drive element, a carriage carried solely by said rollers and movable axially relative to and upon rotation of said drive element, movable means holding said carriage against rotation, and means for varying the angularity of said rollers.

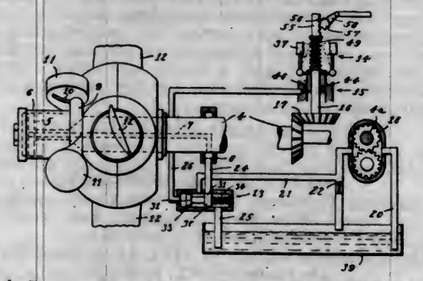
2,204,639

GOVERNOR MECHANISM

Elmer E. Woodward, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois

Application December 8, 1934, Serial No. 756,609

6 Claims. (Cl. 170—163)



4. In combination with a controllable pitch propeller having a range of pitch adjustment between fixed limit stops, hydraulic means for changing the pitch of said propeller, a valve controlling said hydraulic means, a governor responsive to the speed of the propeller for actuating said valve in one direction, a spring for actuating said valve in opposition to said governor, and manual means operatively connected with said valve having a neutral position in which said valve is under the control of said governor and said spring, said manual means being operable to hold said valve in either limiting position against the action of said governor or said spring to retain said propeller at the corresponding end of said pitch adjustment range.

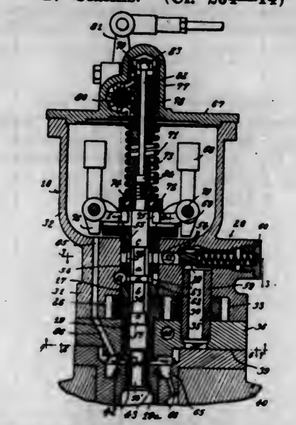
2,204,640

GOVERNOR MECHANISM

Elmer E. Woodward, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois

Application March 1, 1935, Serial No. 8,908

17 Claims. (Cl. 264—14)



1. A governor control mechanism comprising a valve chamber, rotatable flyweights, a hollow shaft rotatable with said flyweights and extending into said chamber and having spaced ports therein, a normally non-rotatable valve stem disposed in said shaft and controlling said ports by relative reciprocation between the stem and said shaft, a fluid servo motor, a conduit between said valve chamber and said motor, and other conduits between said valve chamber and a source of pressure fluid supply and a drain receptacle.

2,204,641

NOTE FINDER

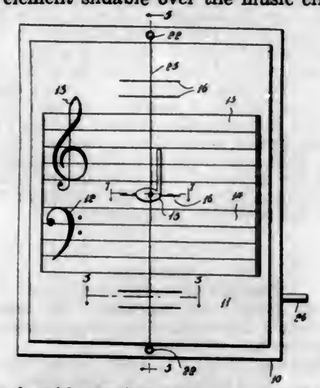
Milo P. Wright, Bucklin, Kans.

Application September 2, 1937, Serial No. 162,203

2 Claims. (Cl. 84—471)

1. A portable and manually operated music chart comprising in combination, with a panel having a musical chart mounted on one side thereof, a channel shaped portion extending along the opposite side, said channel shaped portion being provided with an enlarged transverse portion, said enlarged portion being provided with inwardly extending ears at its ends, a shaft journaled in said ears, a reel keyed to said shaft and mounted between said ears, eyelets mounted in said panel adjacent the ends of said channel portion, a flexible conveyor extending across the opposite sides of said panel and trained over said

reel, said channel portion and eyelets forming guides for said flexible conveyor, and a note shaped element slidable over the music chart on



said panel, said member being connected to said cord and operated by the manual rotation of said shaft.

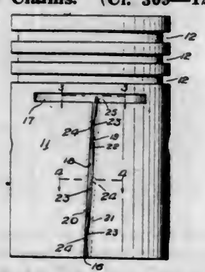
2,204,642

PISTON CONSTRUCTION

William Wuerfel, Philadelphia, Pa., assignor to Wilkening Manufacturing Company, Philadelphia, Pa., a corporation of Delaware

Application February 23, 1937, Serial No. 127,093

7 Claims. (Cl. 309—12)



1. A piston having a generally cylindrical skirt radially bounded by inner and outer generally cylindrical surfaces, said skirt being slotted generally longitudinally and having opposed parallel grooves in the juxtaposed faces of said longitudinal slot intermediate said inner and outer generally cylindrical surfaces of said piston skirt, and of a transverse width substantially less than the principal radial thickness of the major portion of the skirt, the longitudinal slot in said skirt extending radially through the skirt wall so as to permit free radial movement of the skirt-portion on each side of the slot with respect to the skirt portion on the other side of the slot; and a corrugated ribbon-like spring member formed from flat spring metal operatively interposed between the two juxtaposed sides of said longitudinal slot with its convolutions extending generally tangentially of the skirt, and in operative engagement with said grooves, tending to exert opposed tangential forces upon said skirt to expand the same.

2,204,643

TOOL-HEAD LOCKING DEVICE

Hugo A. Zeckendorf, San Francisco, Calif.

Application June 19, 1939, Serial No. 279,813

2 Claims. (Cl. 306—33)

1. In combination, a tool having a socket formed therein and provided at opposite sides of the socket with aligned transverse openings, a handle having its outer end fitting and inserted in said socket and provided with a transverse opening registering with the transverse openings in the tool and spaced from the outer end of the handle which is solid beyond the transverse opening in the handle, a bolt split longitudinally into two halves and extending through said openings in the tool and handle and provided with interiorly arranged registering pockets contain-



ing a material fusible by heat applied exteriorly to the bolt and interlocking the sections, and means located in the opening of the handle and engaging the tool and the bolt for preventing movement of the bolt while the halves thereof are in their interlocked relation, the fusible material being adapted to be sheared off to enable either of the halves of the bolt to be driven out of the openings in the tool and the handle by the application of sufficient force, whereby the tool and handle may be readily disassembled.

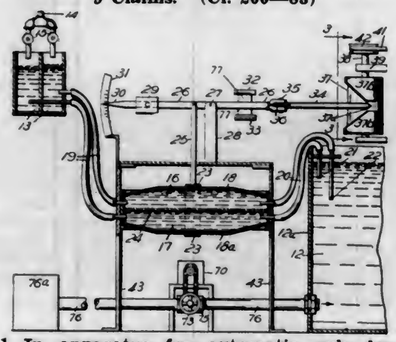
2,204,644

PULP DENSITY REGULATOR

James A. Adams, Denver, Colo., assignor to The Mine and Smelter Supply Company, Denver, Colo., a corporation of Colorado

Application September 7, 1937, Serial No. 162,741

9 Claims. (Cl. 200—83)



1. In apparatus for automatic pulp-density control, a plurality of expansible chambers, fluid flow means associated with said chambers and discharging into a body of pulp at two different depths therein for expanding and contracting said chambers according to pulp-density variations, an element connected with a movable portion of at least one of the chambers for movement thereby, a continuously operating member positioned adjacent said element for reciprocating a portion thereof in directions other than its first said movement, and a motor-operating switch positioned to be actuated by the reciprocating movement of the element.

2,204,645

ROTARY TABLE ASSEMBLY

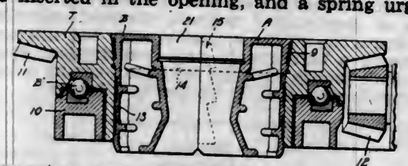
Lawrence F. Baash, Los Angeles, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California

Application December 17, 1938, Serial No. 246,424

10 Claims. (Cl. 255—23)

1. A bushing for arrangement in the opening

of a rotary table comprising bushing sections to be inserted in the opening, and a spring urged



element engaging between the sections to urge the sections apart and hold them against the walls of said opening.

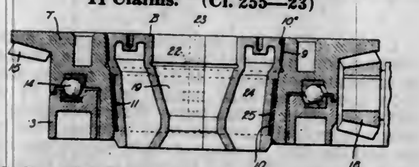
2,204,646

BUSHING FOR USE IN ROTARY TABLES

Lawrence F. Baash, Los Angeles, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California

Application December 17, 1938, Serial No. 246,425

11 Claims. (Cl. 255—23)



11. In a bushing for arrangement in the flat walled opening of a rotary table, a bushing body adapted to seat in the opening of the table, a wedge adapted to engage between a wall of the opening and the body to hold the body tight in the opening, and toggle means for actuating the wedge.

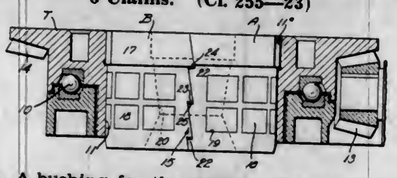
2,204,647

ROTARY TABLE BUSHING

Lawrence F. Baash, Los Angeles, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California

Application December 17, 1938, Serial No. 246,426

6 Claims. (Cl. 255—23)



3. A bushing for the opening of a rotary table comprising a bushing body designed to occupy the opening, the body being divided into two sections, means for holding one of the sections against downward movement, wedge means operable by downward movement of the other section for holding the bushing tight in the opening, and means for shifting said other section upwardly to release the wedge means.

2,204,648

PACKING FOR WELL DEVICES

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application May 5, 1939, Serial No. 271,941

8 Claims. (Cl. 166—12)

1. A packing structure, including a non-metallic packing adapted to engage the walls of a confining enclosure, retainer means to which said packing is secured, said packing being provided with a circumferential recess defining a groove between it and said retainer means, and a



pliant, inelastic annulus in said groove encircling and embracing said packing to prevent its passage between said retainer means and enclosure.

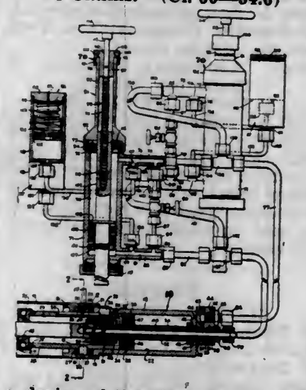
2,204,649

HYDRAULIC CONTROL

George E. Barnhart, Pasadena, Calif.

Application June 6, 1938, Serial No. 212,030

3 Claims. (Cl. 60—54.6)



1. In a device of the class described, a control member including a housing having a bore therein closed at one end, a movable cylinder in said bore, a sleeve member in said housing and rotatable about said cylinder, said housing having a slot, an arm on said sleeve positioned in said slot, means to prevent rotation of said cylinder when it moves, means to cause rotation of said sleeve when the cylinder moves, a piston within the cylinder, a hollow piston rod extending through the cylinder end and connecting the piston to the housing, a hollow tube within the piston rod, and passage means connecting the interior of the piston rod to the cylinder on one side of the piston and the interior of the tube to the cylinder on the other side of the piston.

2,204,650

TRACTION WHEEL

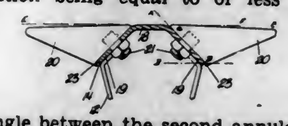
Bert R. Benjamin, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application December 24, 1936, Serial No. 117,576

7 Claims. (Cl. 301—50)

1. In a traction wheel, the combination of a

rim therefor having an annular portion the section of a cylinder, and an integral annular portion the section of a cone, a conical traction lug adapted to be attached to the rim in a radially extending position and in an axially extending position and having its base seating on the second annular portion, the angle between the base and the axially outer-most element of the lug when the lug is disposed in radially extending position being equal to or less than the



acute angle between the second annular portion and the axis thereof, and a single securing means cooperating with the lug and the second annular portion for attaching the lug thereto in the two aforesaid positions whereby the lug in one position extends radially beyond the first annular portion of the rim, and in the other position extends axially beyond the second annular portion and within the surface of a cylinder passed through the periphery of the first annular portion.

2,204,651

PROCESS FOR REFINING LEAD WHICH CONTAINS BISMUTH

Jesse O. Betterton and Yurii E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 24, 1938, Serial No. 247,660

10 Claims. (Cl. 75—78)

1. Process for refining lead which contains bismuth, consisting in adding to the lead in the molten state magnesium and alkali metal, cooling the metallic bath to the neighborhood of its solidification point and then separating therefrom the floating crust in which the bismuth has collected, said process being performed in the absence of calcium.

2,204,652

ALCOHOL OXIDATION

Joseph E. Bludworth, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

Application March 11, 1939, Serial No. 261,235

15 Claims. (Cl. 260—603)

1. Process for the oxidation of an alcohol comprising preheating a mixture comprising the alcohol and gas containing free oxygen and passing the heated alcohol vapor and gas through a reaction zone at a linear velocity of at least 25 feet per second.

2,204,653

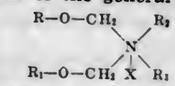
ALIPHATIC DI-OXYMETHYLENE QUATERNARY AMMONIUM HALIDES AND PROCESS FOR PRODUCING THEM

Louis H. Bock, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application December 6, 1938, Serial No. 244,197

7 Claims. (Cl. 260—247)

1. Compounds of the general formula



wherein R represents an aliphatic hydrocarbon group, R_1 represents a primary alkyl group, R_2 and R_3 represent members of the group consisting of lower alkyl radicals, divalent saturated hydrocarbon radicals jointly with the nitrogen forming a heterocyclic ring, and divalent ether radicals jointly with the nitrogen forming a heterocyclic ring, and X represents a halogen.

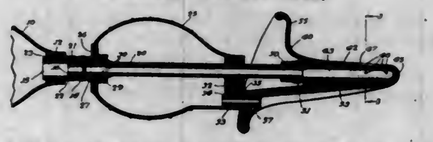
2,204,654

SYRINGE

Kelvin H. Booty, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application October 29, 1936, Serial No. 108,216

4 Claims. (Cl. 128—248)



1. In a device of the class described and in combination, a pair of collapsible bulbs arranged in longitudinal alined relation, a nozzle, and a tube connecting said nozzle with one of said bulbs, the other of said bulbs being arranged noncommunicatively on said tube between said nozzle and the first mentioned bulb, said nozzle having a guard portion for forming a fluid tight seal adjacent a body orifice, said second bulb being connected with the inner face of said guard portion for withdrawing fluid from said orifice.

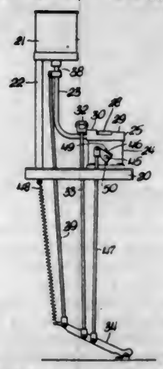
2,204,655

DEVICE FOR ASSEMBLING BALL BEARINGS

Philip C. Booty, Jr., Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application January 30, 1937, Serial No. 123,113

20 Claims. (Cl. 29—84)



17. In a machine for assembling a ball bearing having an inner and an outer race ring and a predetermined number of balls, the combination of a fixture provided with an opening, movable means cooperating with the opening and adapted to retain said balls in a series of layers, said race rings being supported by the fixture in substantially the same plane with the inner ring disposed eccentrically within the outer and with the greatest space therebetween disposed in alignment with the aforesaid opening, means for compressing one of the race rings to temporarily increase the width of said space at certain points, and means for actuating said first means to introduce successive layers of balls through the opening and freely into said space between the rings.

2,204,656

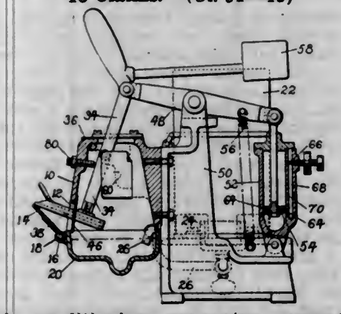
CONDITIONING APPARATUS

William Neil Bray, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application September 27, 1937, Serial No. 165,813

In Great Britain November 12, 1936

13 Claims. (Cl. 91—46)



1. A conditioning apparatus comprising a trough for a conditioning liquid, a work holder, a lever carrying said work holder, a fulcrum for up and down tilting movement of said lever to enable articles on said work holder to be dipped into and to be removed from conditioning liquid in said trough, a pivotal connection between said work holder and said lever arranged for swinging movement of said work holder between a normal position offset from said trough for loading and unloading said work holder and a position above the conditioning liquid in said trough, and a handle on said work holder arranged to enable the operator after loading the work holder with articles to be conditioned to swing the work holder from normal position to a position over said trough and then to lower the loaded work holder into the conditioning liquid in the trough.

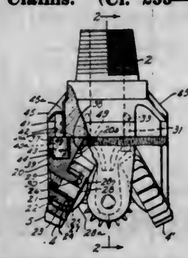
2,204,657

ROLLER BIT

Clyde Brendel, Los Angeles, Calif.

Application July 12, 1938, Serial No. 218,810

14 Claims. (Cl. 255—71)



1. A drill bit including a main body having a single plane surface at its lower end, a unitary supporting structure having a plane surface contiguous said main body surface, and a plurality of depending legs, an arm on each side of said structure, each arm having a plane surface contiguous said main body surface, means for securing said structure and arms to said main body in the region of said contiguous surfaces, and roller cutters rotatably carried by said legs and arms.

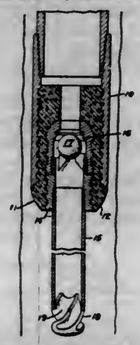
2,204,658

WELL CEMENTING DEVICE

Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application December 12, 1938, Serial No. 245,241

6 Claims. (Cl. 166—9)



1. In combination, a cylindrical member adapted to be connected to the lower end of a well casing, an elongated tube of a diameter considerably less than the cylindrical member to extend coaxially from the lower end thereof, and means secured to the cylindrical member and tube to connect the same and to close the annular space between the exterior of the tube and the cylindrical member, a whirler nozzle at the lower extremity of said tube.

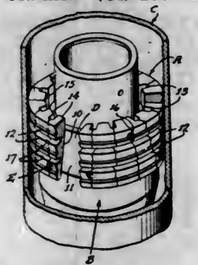
2,204,659

SLIP FOR OIL WELL TOOLS

Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application December 23, 1939, Serial No. 310,809

9 Claims. (Cl. 166—12)



1. A slip for well tools having wickers on one face thereof and a tapered surface on another of its faces, said tapered face being provided with a plurality of spaced generally longitudinal grooves, and said wickered face being provided with a plurality of spaced circumferential grooves of a depth greater than that of said wickers.

2,204,660

LUBRICATING OIL

Robert Charles Cantelo, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application January 24, 1938, Serial No. 186,581

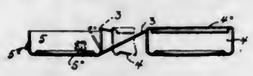
5 Claims. (Cl. 87—9)

1. An improved lubricating oil which comprises a petroleum lubricating oil containing a small proportion of thiobenzophenone.

2,204,661
LUBRICATING OIL
Robert Charles Cantelo, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 24, 1938, Serial No. 186,582
4 Claims. (Cl. 87—9)

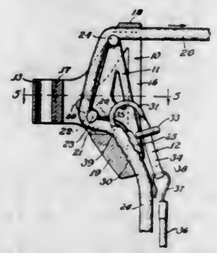
1. An improved lubricating oil which comprises a petroleum lubricating oil containing a small proportion of heptadecyl phenyl thioketone.

2,204,662
HAND CLOSED INTERLOCKING SAFETY SEAL
Morris Canter, New York, N. Y.
Application April 24, 1939, Serial No. 269,687
2 Claims. (Cl. 292—314)



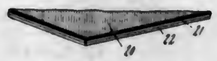
1. A safety seal comprising two metallic cup-shaped members, the first member being adapted to receive the skirt of the second member and said first member being provided with a flange at the periphery of its skirt, the second member being provided with lock projections adapted to snap under and be held by said flange when the smaller member is received within the larger member, and a strip of metal integrally joining the two members, said strip extending from a point near the periphery of the skirt of the larger cup-shaped member and being bent intermediate its length and thence extending to a point near the base of the second cup-shaped member, said strip being enclosed within the structure when the smaller cup is pressed into the larger cup and held by such locking means.

2,204,663
CLAMPING DEVICE
Louis G. Chalchoff, Euclid, Ohio
Application December 30, 1938, Serial No. 248,541
4 Claims. (Cl. 24—133)



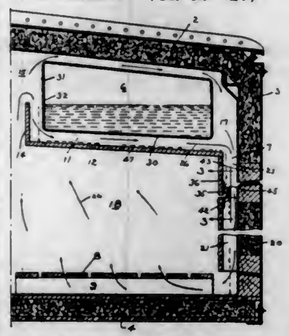
4. A clamping device comprising a frame through which a rope or the like to be clamped is passed, said frame having a gripping surface, a clamping lever pivoted in the frame and co-operating with the gripping surface thereof for clamping the rope and provided at one side of its pivotal point with a projecting eye, and a releasing member loosely and removably arranged in said eye and having a curved forked inner portion straddling the lever and fulcrumed on the frame beyond the pivotal point of the lever, the outer portion of the releasing member constituting an operating arm for moving the lever in a direction to release said rope.

2,204,664
METHOD OF MAKING PAPER ARTICLES
Kempton Clark, Little Compton, R. I., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Original application April 11, 1934, Serial No. 720,066. Divided and this application December 28, 1937, Serial No. 182,033
1 Claim. (Cl. 18—56)



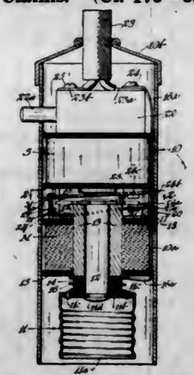
The method of making a severely molded paper article which comprises forming a laminated paper blank with the laminations at opposite surfaces of the blank having different absorption characteristics for moisture and wax, moistening the blank, passing the same through a wax bath at a temperature and for a period of time to vaporize the moisture and draw a predetermined amount of the wax into the fibers thereof, allowing the same to set for a time to render the blank plastic for molding while the different absorption characteristics of the laminations causes the blank to cup with the lamination having the higher absorption characteristics on the convex side, and forming the cupped blank into an article having a substantially flat, disc-like central portion and an inverted, generally U-shaped marginal portion forming an upstanding marginal rim with the convex side of the blank forming the convex side of said marginal rim, the amount of wax absorbed being sufficient to permit said forming operation to take place without cracking or abrading the paper to an extent that would cause either lamination to show through the other lamination and be visible from the opposite surface of the article.

2,204,665
REFRIGERATOR CAR CONSTRUCTION
Charles E. Crede, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware
Application October 21, 1939, Serial No. 300,531
7 Claims. (Cl. 62—17)



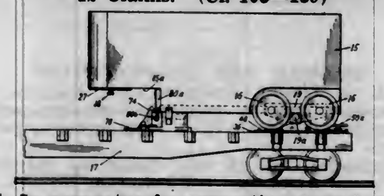
1. In a refrigerator car having an insulated wall, refrigerating means adjacent said wall, a flue associated with said wall and arranged to transmit air and liquid from said means to the lower part of the car, a doorway through said wall and said flue and a door adapted to close the doorway in said wall, said door having associated therewith a duct which aligns with said flue when the door is closed to form a continuous passage, a trough in said flue above said doorway, and means associated with said door to divert said liquid to said duct when the door is closed.

2,204,666
THEFTPROOF LAMP SOCKET
Leonard Delano, Minneapolis, Minn.
Application February 8, 1940, Serial No. 317,880
7 Claims. (Cl. 173—356)



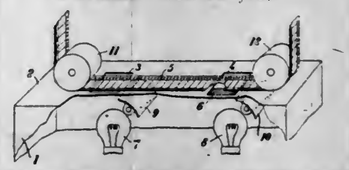
1. An electric lamp socket device for preventing removal of an operable electric lamp bulb therefrom comprising, an open ended casing, an electric lamp socket having the usual screw threaded lamp receiving element and being mounted in the open end of said casing for rotation about the axis of said socket, means limiting rotation of said socket with a lamp being screwed thereinto and permitting opposite rotation of said lamp socket, normally inoperative mechanism for limiting said opposite rotation of said socket, an electromagnetic armature included in said mechanism and constituting a control element therefor shiftable between actuated and unactuated positions whereby said mechanism is rendered respectively operative and inoperative, a first electromagnet connected in series with said socket and associated with said armature for operation to hold the same in unactuated position, and a second electromagnet connected in parallel with said socket and associated with said armature for operation to tend to pull said armature into its actuated position, said first electromagnet being of sufficiently greater strength than said second electromagnet to be capable of attracting said armature away therefrom.

2,204,667
TRANSPORTATION MEANS
Arthur F. Dooley, Salem, and Calvin H. Stone, Peabody, Mass., assignors to Chessley W. Stone, Lynn, Mass.
Application October 10, 1935, Serial No. 44,318
12 Claims. (Cl. 105—159)



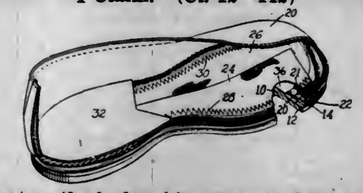
1. In apparatus for supporting a road vehicle on a railway car, a turntable mounted on the latter, means on said turntable for supporting one end of said vehicle, whereby the other end of said vehicle may be moved in an arc about the pivot of said turntable while supported independently thereof, means mounted on said car for supporting said other end of said vehicle independently of said turntable, and means co-acting with said last-named means for holding said other end of said vehicle against movement in at least one direction.

2,204,668
PICTURE SOUND FILM
John Eggert, Leipzig, and Hans Friedrich Nissen, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application July 13, 1938, Serial No. 219,006
In Germany July 19, 1937
2 Claims. (Cl. 95—75)



1. A device for producing a picture sound film by a reversal development comprising a casing, a cover closing said casing, two windows arranged in said cover and being at least as broad as said film, one of said windows being provided with a fixed mask adapted to cover the sound strip of said film, means for illuminating said windows, means for controlling the illumination of said window provided with said fixed mask in dependence on the density of the picture record on the developed but unfixed film being passed over said windows, and means for feeding said film above said windows.

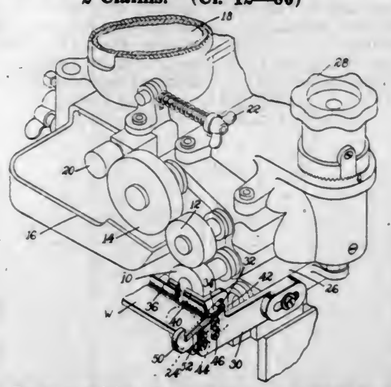
2,204,669
MANUFACTURE OF WELT SHOES
Karl Engel, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 23, 1937, Serial No. 181,333
1 Claim. (Cl. 12—142)



That method of making prewelted shoes which comprises providing a tread sole having a marginal welt-receiving rabbet defined by an inner shoulder and providing a welt complemental to said rabbet and shaped to register with said rabbet through the length of the latter, securing said welt to the bottom margin of an unlasted upper with the inner margin of the welt extending beyond the edge of the upper, positioning a sock lining member with its outer margin in engagement with the inner surface of the welted margin of the upper and covering the edges of the upper and the welt, and securing the sock lining to the welted margin of the upper by a zig-zag seam the outer portions of which extend through the welt, upper, and sock lining while its inner portions extend through the welt and sock lin-

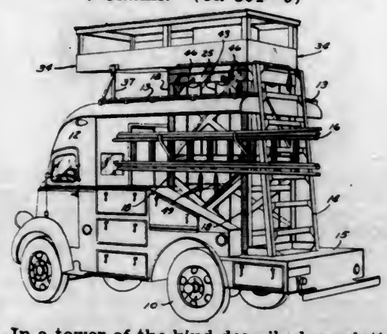
ing but not through the upper, the edge of the upper being positioned widthwise of the welt between the inner and outer portions of said seam.

2,204,670
WELT CEMENTING MACHINE
Andrew Eppler, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 23, 1938, Serial No. 247,435
2 Claims. (Cl. 12—80)



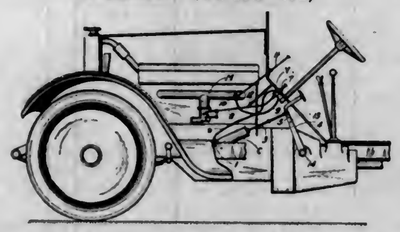
1. In a machine for coating an inner surface of a strip, the edge of which has been split, forming a flap, an applying roll having a substantially cylindrical applying surface and an end face, a thin edged plate extending across the end face of the applying roll to hold the flap out of contact therewith, and a member engaging the outer edge of the strip thereby holding the flap against the thin plate.

2,204,671
EXTENSIBLE WORK TOWER
Leonard E. Erickson and Buford W. Olson, Minneapolis, Minn., assignors to Chas. Olson & Sons, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application April 15, 1939, Serial No. 268,082
7 Claims. (Cl. 304—9)



1. In a tower of the kind described, a relatively fixed lower section, a second or vertically movable section telescoped for sliding movement in said lower section, an inverted lifting frame located within said movable section with its lower portion fixed to the lower portion of said movable frame, and a power actuated lifting motor located centrally of said frames, anchored at the base of said lower frame and operative on the upper portion of said inverted lifting frame, to elevate the latter and said movable frame, in further combination with a third frame telescopically removable within said second frame, four cable guides on the upper portion of said second frame, four cables anchored at their lower ends to the base of said relatively fixed lower frame, passed over said cable guides and having their upper ends attached to the base of said third frame at the four corners thereof, whereby the lifting power is applied evenly at the four corners of said third frame.

2,204,672
AUTOMOTIVE VEHICLE CONTROL MECHANISM
Frederick G. Folberth and William M. Folberth, Cleveland, Ohio
Application March 12, 1931, Serial No. 522,182
2 Claims. (Cl. 192—.01)



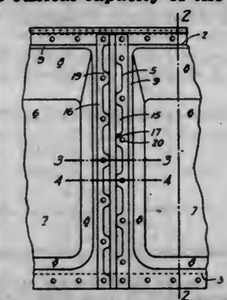
1. In apparatus of the class described the combination of a cylinder, a piston in said cylinder, a valve at one end of said cylinder, said valve being adapted to freely open to permit inflow of air to the cylinder when said piston is moved in a direction away from said valve, a resilient member secured to said valve and extending into said cylinder in a direction substantially parallel to the longitudinal axis of said cylinder, said resilient member being adapted to be engaged by said piston to close said valve.

2,204,673
METHOD OF TREATING HYDROCARBONS
Stewart C. Fulton, Elizabeth, N. J., and Thomas Cross, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 19, 1935, Serial No. 55,234
1 Claim. (Cl. 196—10)

The process of polymerizing normally gaseous hydrocarbons containing olefins which comprises contacting them at a temperature between 200 to 300° C. with a catalyst prepared by impregnating activated silica gel with aluminum chloride dissolved in ethylene dichloride and heating the mass at a temperature sufficient to drive off the ethylene dichloride.

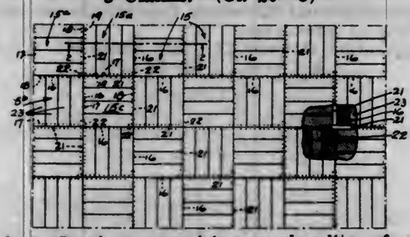
2,204,674
RAILWAY CAR CONSTRUCTION
Garth G. Gilpin, Riverside, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application July 18, 1938, Serial No. 219,748
6 Claims. (Cl. 105—380)

1. In an open top railway car having an upper chord, and a lower chord, a substantially channel shaped stake extending between and secured to said chords, said stake comprising spaced apart connected webs, a pair of wall sheets extending between and secured to said chords to form a load retaining means therebetween, each of said sheets having an outwardly projecting panel formed therein, said panel extending substantially to said stake and between said chords to increase the cubical capacity of the car, the webs



of said stakes having inwardly offset portions to provide parts for attachment of said stake to said wall sheets, and rivets forming means for said attachment, the offset portions in opposite webs being staggered relative to each other, whereby said panels may extend to closely adjacent said webs and whereby the effective width of said stake is the distance between a web and an offset portion of the opposite web.

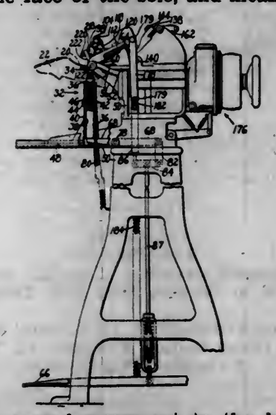
2,204,675
FLOORING
Frank A. Grunert, Menlo Park, Calif.
Application September 29, 1937, Serial No. 166,335
5 Claims. (Cl. 20—3)



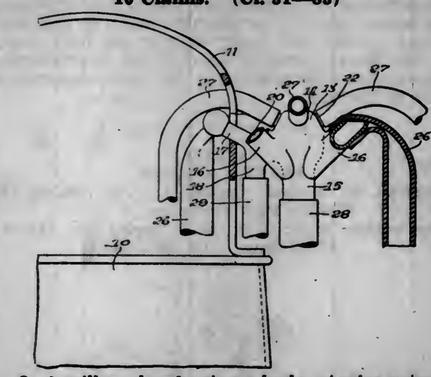
2. A flooring comprising a plurality of substantially rectangular blocks, each block having longitudinal grooves on three edges, a longitudinal tongue on the fourth edge of each block, said blocks being so positioned that the meeting edges of the blocks on two adjacent sides are both grooved, but on the other two adjacent sides the tongue of one block is engaged with the opposed groove of the other, and a key in each pair of opposed grooves to hold the blocks together, a recess formed in the end of each edge having a tongue, said keys extending at one end into said recess and into the groove opposite said recess so as to align the meeting points of the adjoining blocks.

2,204,676
SOLE-FITTING MACHINE
George Haselton, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 17, 1939, Serial No. 251,380
In Great Britain February 2, 1938
13 Claims. (Cl. 12—31.5)

1. A sole-fitting machine having, in combination, a support for the rear end of a sole, a knife having a cutting edge, means for initially moving the knife to cause said cutting edge to be forced against one face of the sole, and means for imparting a second movement to the knife in a path which is disposed at an angle to said one face and extends from said one face of the sole to the other thereby trimming material from the rear end of the sole by a beveling cut.



2,204,677
MILKER CLAW
Floyd G. Hodsdon, Milwaukee, Wis., assignor to International Harvester Company, a corporation of New Jersey
Application November 13, 1936, Serial No. 110,691
10 Claims. (Cl. 31—83)

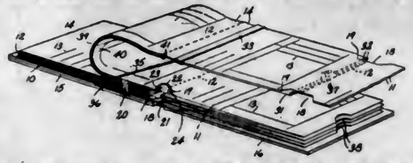


2. A milker claw having a body, nipples extending therefrom, and a hanger stud extending therefrom, said nipples and stud having respective axes lying on a common conical surface.

2,204,678
CONTINUOUS MANIFOLDING BOOK
William H. Hope, Jr., Niagara Falls, N. Y., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware
Application May 3, 1937, Serial No. 140,416
35 Claims. (Cl. 282—23)

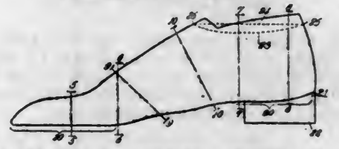
1. In a manifolding book in combination, supporting backers positioned adjacent to each other, a pad of continuous multiple record strips folded into superposed leaf sets, and a binder positioned intermediate said backers and engaging said pad

to bind it and the leaf sets thereof in position on one of said backers, certain of the leaves of



each leaf set being free of said binder while another leaf thereof is retained by the binder when in position on one or another of said backers.

2,204,679
FOOTWEAR
Arthur Ingram, London, England, assignor of one-half to Herbert John Fell, London, England
Application February 10, 1939, Serial No. 255,563
In Great Britain February 14, 1938
3 Claims. (Cl. 36—8.5)



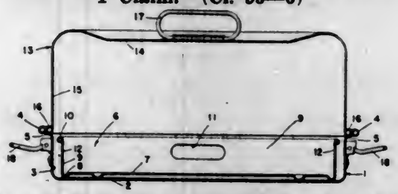
1. An article of footwear having the under-surface of the forepart of the sole extending from the toe to a point just behind the ball joint and the under-surface of the heel disposed in the same horizontal plane, the part of the sole immediately beneath the os calcis lying substantially horizontal and substantially parallel with but on a higher level than the forepart of the sole, the upper edge of the quarters being so cut that a line joining the upper edge of the back seam to the upper forward edge of the quarters lies substantially parallel with the heel supporting part of the sole.

2,204,680
SAFETY RAZOR
Herman H. Kempf, Brooklyn, and Charles L. Woody, Port Jefferson, N. Y.
Application August 12, 1937, Serial No. 158,648
11 Claims. (Cl. 30—62)



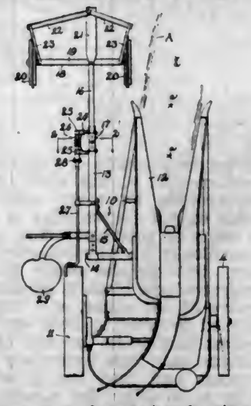
1. A safety razor holder for use with a resilient wafer blade having an elongated longitudinal slot, said holder comprising a supporting plate, a cutting guard at the front of said plate, a resilient tongue connected at its rear to the plate and extending toward the front of the plate, and projections on said plate, the front of said projections being set back from the front of the plate so that when the front edge of the slot in the blade is in engagement with the front of said projections, the cutting edge of the blade is in proper cutting position with respect to the guard, said tongue, with the blade in said position, extending through the slot and pressing down on the front portion of the blade.

2,204,681
COMBINATION ROASTER AND BROILER
Ralph N. Kircher, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application April 28, 1937, Serial No. 139,491
1 Claim. (Cl. 53—6)



A cooking utensil comprising a base section having a bottom and a relatively short vertical marginal wall, a cover section having a top and having a vertical marginal wall of substantial height whereby the two may be utilized to provide a closed type roaster and the base section alone may be utilized to provide an open type roaster, in combination with a rack disposed in the base section and having a perforated and corrugated bottom wall and an integral marginal vertical wall of a height substantially that of the vertical wall of the base section.

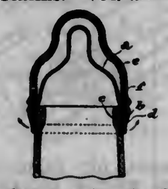
2,204,682
HARVESTER
Andrew Kowalsky, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 21, 1938, Serial No. 236,284
4 Claims. (Cl. 56—218)



1. In a row-crop harvester having a wheeled frame and an operator's station thereon, the combination therewith of a draft member rigidly connected to the frame against relative lateral movement and extending from the frame substantially along the line of draft, a tongue pivotally connected at one end to the draft member for relative lateral movement and extending substantially along the line of draft, a wheeled truck supporting the tongue at its other end, a toothed member secured to the tongue substantially at the pivotal connection between the tongue and draft member, a worm movably

carried by the draft member and associated with the toothed member for normally holding the tongue and draft member substantially along the line of draft, and a control means extending within the vicinity of the operator's station and connected to the worm, said means being operable to adjust the lateral position of the draft member with respect to the tongue for guiding the wheeled frame through the rows.

2,204,683
DEVICE FOR THE SIMULTANEOUS STERILIZATION OF A NURSING BOTTLE AND ITS NIPPLE
Georges Lambert, Lyon, France
Application May 27, 1938, Serial No. 210,357
In France May 27, 1937
4 Claims. (Cl. 21—78)



2. A closure for use in sterilizing a nursing bottle, comprising a nipple for engagement over the neck of a bottle, a cover loosely embracing the nipple and resting upon the same over the portion embracing the bottle neck, said cover adjacent the open end thereof having a plurality of orifices, and a sealing portion for the open end of the nipple to embrace the cover to hold the same against the nipple and to close the orifices against the admission of air from without the cover but to allow the escape of air or vapor under pressure from within the cover when the bottle and nipple are subjected to a sterilization process.

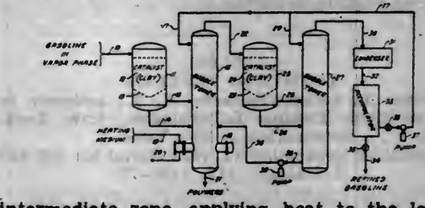
2,204,684
TANDEM DISK EARTH-WORKING IMPLEMENT
Charles Le Bleu, Los Angeles, Calif.
Application January 9, 1939, Serial No. 249,917
36 Claims. (Cl. 55—83)



1. A tandem disk earth-working implement comprising, a front section and a rear section, a secondary control frame and a primary control frame, means slidably associating said control frames one with the other, means pivotally connecting each of said sections intermediate their ends with said secondary control frame at points spaced longitudinally thereof, and means operably associating said primary control frame and each of said sections separately at points spaced from the pivotal connections of said secondary control frame with said sections, said primary control frame being slidably associated with each of said sections for maintaining said sections in the same plane.

2,204,685
VAPOR-PHASE TREATMENT OF PETROLEUM
Thomas B. Leech, Narberth, Pa., assignor to Alcorn Combustion Company, Philadelphia, Pa., a corporation of Delaware
Application June 10, 1938, Serial No. 213,085
2 Claims. (Cl. 196—96)

1. In a vapor-phase process of polymerizing and removing undesirable constituents from gasoline by contacting the gasoline in vapor phase in a plurality of stages under substantially the same pressure with a polymer-producing catalyst, and in a separating zone following each of said stages separating the polymers from the gasoline, the steps which comprise returning the polymers and the gasoline contained therein from the bottom of the final separating zone to an intermediate separating zone, flowing the polymers and gasoline contained therein from the bottom of the preceding treating stage to said



intermediate zone, applying heat to the lower portion of said intermediate separating zone simultaneously to boil all the polymers formed in the system, to vaporize and strip from them all of said gasoline, withdrawing from the bottom of said intermediate separating zone and from the system, gasoline-free polymers, passing said gasoline so separated through at least one of said treating stages, and thereafter through at least one of said separating zones to strip all polymers therefrom, and thereafter condensing and withdrawing from the system polymer-free gasoline.

2,204,686
LEG CONSTRUCTION
Thomas J. Litle, Jr., Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application June 25, 1937, Serial No. 150,375
3 Claims. (Cl. 248—146)



1. A sheet metal leg for a washing machine or the like having its upper end substantially half-round with the side edges thereof adapted to fit flush against a vertical side wall of the structure to be supported, whereby said leg projects beyond said structure and tends to protect the same, said leg having a rounded outer surface throughout its length, a vertical lug at the extreme upper end of said leg adapted to project through an aperture in said vertical side wall and be located therebeyond to assist in securing said leg to said side wall, an aperture in the top of said leg adjacent the base of said lug and arranged so as to lie immediately adjacent said side wall in a substantially vertical position when the leg is in

place thereon, a substantially vertical groove in said leg extending from near said aperture to the bottom of said leg, a notch in said leg at the bottom end of said groove, and a round metal rod lying in said groove and projecting beyond the surface of said leg and having a bent portion at its upper end extending through said aperture and a retroverted portion at its lower end extending through and above the back of said notch, whereby said rod is firmly secured in place, gives the appearance of extending the entire length of said leg and serves to protect the leg against scuffing in service.

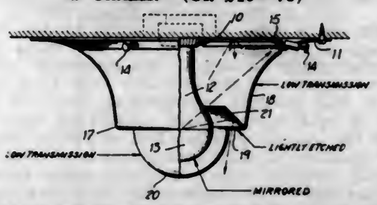
2,204,687

LIGHTING FIXTURE

William F. Little, Yonkers, N. Y., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York

Application September 13, 1938, Serial No. 229,654

2 Claims. (Cl. 240—78)



1. A lighting fixture comprising a pendent lamp, a bowl having a high transmission, substantially horizontal zone at the height of the light center of the lamp, a low transmission zone extending downwardly from the inner edge of the horizontal zone and disposed about the bottom of the lamp, and a low transmission zone extending upwardly and outwardly from the periphery of the high transmission zone, and a reflector disposed above the high transmission zone to screen the upwardly and outwardly extending zone and reflect upwardly directed light down through the high transmission zone.

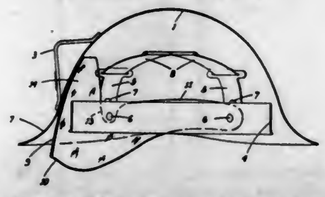
2,204,688

PROTECTIVE VISOR FOR INDUSTRIAL HATS

Charles William McClung, El Dorado, and Paul Ransom, Shingle Springs, Calif.

Application April 4, 1938, Serial No. 199,914

5 Claims. (Cl. 2—10)



1. In the combination of a hat having a hard crown and a head band secured therein in spaced relation thereto, and a visor unit including a transparent eye shield adapted when in use to be disposed in front of the eyes of the wearer, and means mounting said eye shield on the hat for upward movement from an operative position in front of the eyes of the wearer to an inoperative position out of the line of vision of the wearer; a tongue projecting upward from said eye shield between said hat band and crown and positioned to engage the inner surface of the crown at the front of the hat in frictional holding relation.

2,204,689

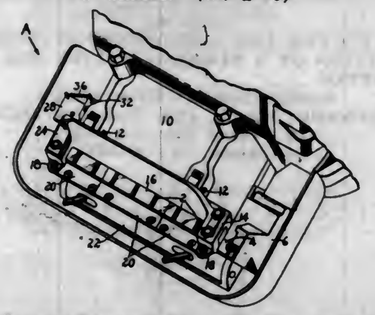
MECHANISM FOR SUPPLYING FASTENINGS

Ernest Moore, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application January 16, 1939, Serial No. 251,151

In Great Britain March 18, 1938

6 Claims. (Cl. 1—6)



1. In mechanism for supplying fastenings, the combination with a plurality of inclined raceways for fastenings, and means for separating fastenings from the lower ends of said raceways, of a cover movably mounted over the raceways, and means movable relatively to said cover for lifting it and then releasing it to cause it to drop and jar the raceways.

2,204,690

QUICK OPENING ENVELOPE

Georges Alfred Hippolyte Nuyts, Nanterre, France, assignor to United States Envelope Company, Worcester, Mass., a corporation of Maine

Application December 20, 1937, Serial No. 180,877

In France November 26, 1937

9 Claims. (Cl. 229—85)



1. A letter envelope comprising, a front wall and a rear wall connected together except at an introduction opening, a flap prolonging the front wall beyond said opening, a zone of less resistance with respect to a pull exerted transverse to the line of attachment of the flap, and means for preventing a sheet inside of the envelope from filling it completely in a transverse direction to the line of attachment.

2,204,691

ANTIGLARE VISOR

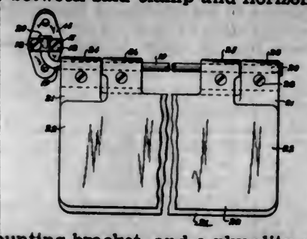
Kolbjorn Olsen, Brooklyn, N. Y.

Application April 3, 1939, Serial No. 265,618

3 Claims. (Cl. 296—97)

1. An antiglare visor of the character described comprising a mounting bracket with a slanting base; a horizontal tab extending away from said mounting bracket and having a vertical, semi-cylindrical groove on its outside face; a clamp member having a vertical, semi-cylindrical groove corresponding and opposite to the groove in the said face of the horizontal tab; screw means for adjusting the clamp member to the horizontal tab of the mounting bracket; a cylindrical rod

one end of which is bent at right angles, the shorter right angle part being pivoted in the groove between said clamp and horizontal tab of



the mounting bracket, and a plurality of molded, semi-transparent visor plates rotatably mounted on the longer, horizontal part of said cylindrical rod.

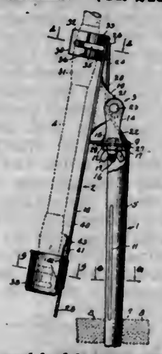
2,204,692

FISHING ROD HOLDER

Raymond P. Parisio, Oakland, Calif.

Application October 2, 1937, Serial No. 166,988

5 Claims. (Cl. 248—38)



4. A fishing rod holder comprising a support, a rod carrier, means interconnecting said carrier and support for normally free movement of said carrier relative to said support on horizontal and vertical axes, means limiting pivotal movement of said carrier about said horizontal axis in one direction, and yielding means opposing pivotal movement of said carrier about said horizontal axis in the other direction.

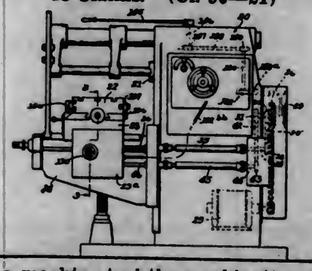
2,204,693

TRANSMISSION AND CONTROL MECHANISM

Fred A. Parsons, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application September 9, 1937, Serial No. 162,977

18 Claims. (Cl. 90—21)



1. In a machine tool the combination of a pair of supports relatively movable in a plurality of mutually transverse paths, transmission mechanism for said relative movement, a rate changer providing frictionally engaged rate change elements relatively shiftable to a low speed position, a relatively high speed position and to any intermediate position whereby to mechanically provide a stepless series of speeds, path selector means including a plurality of shiftable reversers respectively for different of said paths, a feed rate train connectible for driving each of said reversers through said frictionally engaged elements, a quick traverse train connectible for driving each of said reversers exclusive of said frictionally engaged elements, a shiftable train selector, and a plurality of independently operable controllers including controllers respectively for shifting different of said reversers, a controller for shifting said train selector and a controller for shifting said frictionally engaged elements.

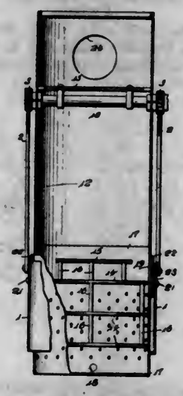
2,204,694

POT TYPE OIL BURNING SPACE HEATER

Charles T. Piehl, Batavia, N. Y.

Application May 4, 1938, Serial No. 205,956

4 Claims. (Cl. 158—91)



1. In an oil burner, a cylindrical body portion comprising a lower burner chamber and a combustion chamber above the burner chamber, said burner chamber having a plurality of openings formed in the wall thereof, movable deflector plates mounted within the burner chamber, means for securing the deflector plates in spaced relation with each other, a sleeve movable over the body portion and openings, regulating the passage of air into the burner chamber, and means for adjusting the deflector plates and sleeve simultaneously.

2,204,695

SWITCH CASING

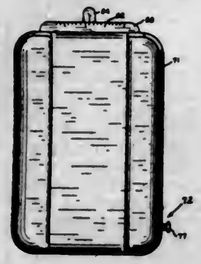
Bertram P. Pond, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application March 17, 1938, Serial No. 196,892

11 Claims. (Cl. 200—137)

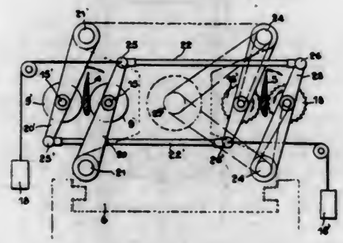
1. A switch casing comprising a back plate having rounded corners, four sides for said casing formed integrally with and bent up from said back plate, the ends of said sides being severed from said base and bent in to meet each other and conform to the shape of the rounded corners of said base, said rounded corners of said base being bent in to close up any gap which

might be present between such corners and the ends of the sides, notches cut in two opposite sides



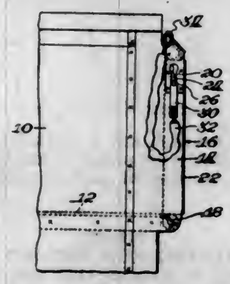
of said casing, and an insulated panel supported in said notches.

2,204,696
MACHINE FOR MANUFACTURING PROPELLER BLADES BY COPYING
Paulin Jean Pierre Ratié, Montrouge, Seine, France
Application December 31, 1937, Serial No. 182,819
In France January 4, 1937
4 Claims. (Cl. 90—13.3)



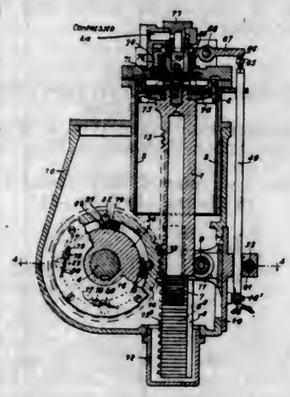
1. In a machine for the manufacture of propeller blades by copying and including a pattern blade, a blank blade, means for rotatively supporting and for synchronously causing to rotate the pattern blade and the blank blade about two parallel geometric axes, two feelers or rollers arranged on both sides of the pattern blade, rocking levers for supporting the said feelers or rollers, means for applying the feelers or rollers against the pattern blade, tools arranged on both sides of the blank blade, rocking levers for supporting the said tools, means for operatively connecting the tools rocking levers and the corresponding feeler rocking levers, the feature which consists in that the geometric oscillation axes of the feeler levers are arranged firstly on the same side of a first reference plane which contains the geometric axis of the feelers or rollers when the latter are in their nearest position, and secondly, at unequal distances on both sides of a second reference plane at right angles with the first reference plane and which contains the geometric axis of revolution of the pattern blade, the greatest distance corresponding to the geometric axis of oscillation which is at the left hand of the second reference plane for an observer who, placed in the said second plane and on the same side as that of the geometric axis of oscillation relatively to the first plane, would see the pattern blade rotating in a clockwise direction.

2,204,697
VEHICLE BODY
Donald G. Renno and Chris J. Fields, Fort Wayne, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application July 25, 1939, Serial No. 286,350
8 Claims. (Cl. 296—57)



1. In a truck body having a side wall and a closure element movably carried thereon for movement to and from open and closed positions, the side wall including a portion formed with a slot, the closure element including a portion arranged parallel to the side wall portion when the element is in closed position, said element portion including a slot similar to and adapted to be arranged in substantial coincidence with the first slot when the element is in closed position, the sides of one slot being inclined with respect to the other sides of the other slot when the element is closed, only lower portions of the slots being thereby alined, and a lock member passing through the alined lower portions of both slots, said lock member having a thickness substantially equal to the width of the slots.

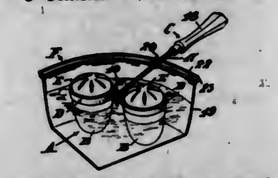
2,204,698
STARTER
Roger Georges Rinot, Paris, France
Application April 14, 1936, Serial No. 74,336
In France April 25, 1935
1 Claim. (Cl. 121—37)



In a compressed fluid starter for explosion motors, the combination of two cylinders, two pistons individually reciprocable in these cylinders,

two piston rods, two relatively angularly disposed flat surface portions on the piston rods, a toothed rack on each of said flat surface portions, a pinion having a shaft and meshing with the two toothed racks, a small bar member keyed on the shaft of said pinion, heads serving as abutment elements at the ends of said small bar member, a disc loosely mounted on the shaft of said pinion, a finger rigid with said disc and serving as an abutment element corresponding to and receiving impulses upon opposite portions thereof from said two abutment elements, prismatic shoulders on this disc, two rollers individually and slidably mounted in two boxes, elastic means, said rollers being subjected to the action of said elastic means and said elastic means resiliently yielding when the rollers are pushed down by said shoulders and returning its energy after the rollers pass the crests of the shoulders, two drivers carried by said disc, two cams mounted concentrically with the shaft of said pinion, a boss integral with these two cams, two levers, two rollers cooperating with said cams and carried at one end of each of said levers, two distribution valves having stems constantly in contact with the other ends of said levers so that the admission and exhaust in the cylinders, though occurring at the end of the stroke of the pistons, are energetically controlled by reason of the energy restored by the elastic means, a driven shaft, and means for transmitting the motion of each of the pistons to the guided shaft only during the working stroke of said pistons.

2,204,699
COOKING UTENSIL
Paul E. Robertson, North Hollywood, Calif.
Application July 28, 1937, Serial No. 156,154
3 Claims. (Cl. 53—1)



1. In an egg cooker, a cooking cup having an upstanding marginal rim, a ring encompassing and rigidly affixed to said cup adjacent to but spaced from the edge of said rim, a handle affixed to said ring, and a cover formed to extend over the open end of said cup with the margin thereof in close telescopic engagement with the outer face of said rim, said cover being formed of a pair of metallic walls united throughout the telescoping marginal portion thereof and spaced apart throughout their intermediate portions.

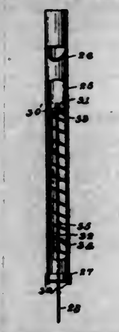
2,204,700
TOY OR DISPLAY DEVICE
Hanson Robinson, Wayne, Pa.
Application October 7, 1937, Serial No. 167,742
2 Claims. (Cl. 272—27)

1. A toy or display device, comprising a hollow disc-like casing having an aperture in one portion of its periphery, an oscillatable member normally carried by and within said casing and adapted to be extended through said aperture, parallel links pivotally connecting said member to said casing, flexible means connected to said member to manually raise said member outwardly from within said casing, means to automatically return said member to its initial position upon being released by said last-mentioned means, and an inverted hollow U-shaped guide for reversing the direction of said flexible means,



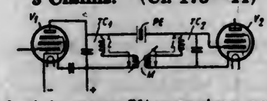
which guide being in close relation with a wall of said casing, forms a tubular channel.

2,204,701
TOY MULTITONE SIREN
Hanson Robinson, Wayne, Pa.
Application July 15, 1939, Serial No. 284,587
12 Claims. (Cl. 84—330)



1. A whistle, comprising a tube having a channeled extension initially open on one side, and an elastic tubular member surrounding said extension and closing the otherwise open side of said member, to provide a closed channel and mouthpiece.

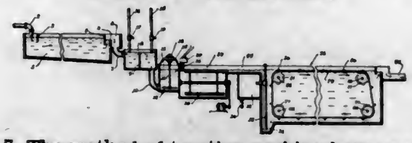
2,204,702
PIEZOELECTRIC CRYSTAL FILTER WITH INDUCTIVE SHUNT
Noël Meyer Rust, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 21, 1937, Serial No. 138,109
In Great Britain April 29, 1936
3 Claims. (Cl. 178—44)



1. An electric wave filter system connected between the output circuit of an electron discharge tube and a utilization device, said system comprising a tuned circuit connected to said output

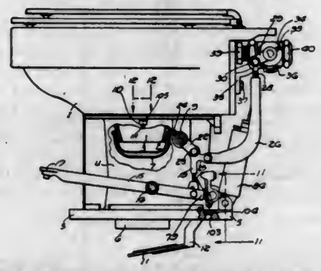
circuit and a second tuned circuit connected to said utilization device, each of said tuned circuits having a variable capacitor, an isolated inductance porton and a magnetic coupling portion, the two magnetic coupling portions constituting the primary and secondary, respectively of a transformer, a series of taps disposed intermediate the terminals of said isolated inductance portions, a piezoelectric device having its two electrodes selectively connected in circuit between one of the taps of one isolated inductance and one of the taps of the other isolated inductance, and means for varying the reactance between the primary and secondary of said transformer.

2,204,703
TREATMENT OF WASTES
Marion D. Sanders, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application November 9, 1936, Serial No. 110,007
13 Claims. (Cl. 260—112)



7. The method of treating packing house waste water containing protein which comprises precipitating the protein in the waste by the addition of a mineral acid in quantity sufficient to adjust the pH value of the waste to between 4.0 and 5.5, and flocculating the precipitated protein by the addition of an inorganic salt of a metal.

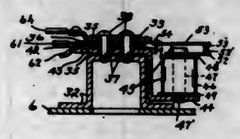
2,204,704
DOUBLE PAN HOPPER
John C. Schumacher, Dayton, Ohio, assignor to The Dayton Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application February 3, 1939, Serial No. 254,455
28 Claims. (Cl. 4—85)



1. In a water closet, a hopper having a flush pan, an arm for operating said pan, and a member engaging said arm and operable to move along the surface of said arm for moving the arm and operating said pan, said member comprising a lever having at one end a foot piece.

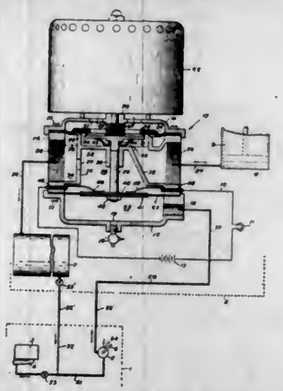
2,204,705
AUDIBLE WARNING SIGNAL
Theodore J. Scofield, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application June 18, 1937, Serial No. 148,981
7 Claims. (Cl. 177—7)

1. In a warning signal of the class wherein a diaphragm carried by a frame is actuated by an electric motor of the vibratory type mounted on said frame and having an electric supply circuit therefor, in combination, a contact stack secured to the frame and including a pair of coacting contact arms connected in series in the motor current supply circuit, a relay having



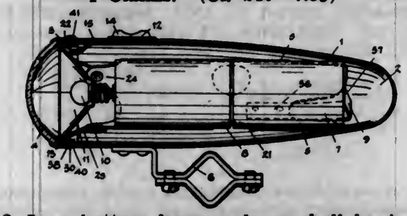
switch means mounted in the contact stack and connected in said motor circuit in series with said contact arms and adapted to be actuated upon the coil of the relay being energized for closing said motor circuit, and a coil supporting member for said relay clamped in said contact stack.

2,204,706
REMOTE CONTROLLED VACUUM BRAKE VALVE
Dudley F. Searle, Oakland, Calif.
Application April 24, 1939, Serial No. 269,555
5 Claims. (Cl. 303—31)



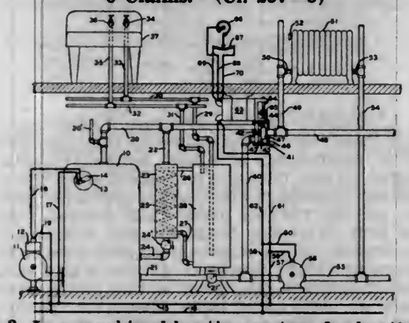
1. In a vacuum brake valve of the character described, a hollow body, a first and a second flexible diaphragm extending across the body at opposite ends thereof in sealed relation to the margins of said body, a partition intermediate the diaphragms forming a separate inner chamber within said body and closed on one side by the first diaphragm seated against a rim on said partition, a disk valve positioned within the confines of said rim arranged to seat at one side against said first diaphragm and provided with a stem, means securing the end of said stem to the second diaphragm, means supporting said stem for sliding at right angles to the plane of the diaphragms whereby said disk valve may be moved to lift said first diaphragm from seating on said rim, or moved in the opposite direction to be free of contact with said first diaphragm, a closed chamber at the outer side of said second diaphragm provided with a connection adapted for admission of varying air pressure to said closed chamber, two separate connections to the space in said body one open to the space outside of said partition and the other to the space within said partition, and an aperture in said first diaphragm within the area of said disk valve.

2,204,707
BICYCLE LAMP
August J. Seiss, Toledo, Ohio
Application February 26, 1938, Serial No. 192,823
4 Claims. (Cl. 240—7.55)



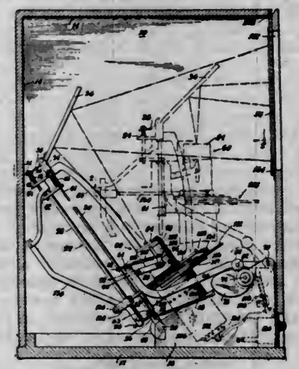
2. In a battery lamp, a lamp shell having a tapering rear end wall sloping toward the central longitudinal axis of the shell, a split battery-enclosing shell formed of elastic sheet material and located in the lamp shell and having rear end parts engaged by the end wall to center and reduce the rear end of the battery shell, a battery cell located in the battery shell and elastically and frictionally engaged by said rear end parts of the battery shell when the battery cell and the battery shell are inserted in the lamp shell and the rear end of the battery shell is pressed against the tapering rear end of the lamp shell.

2,204,708
HEATING SYSTEM
Frederic H. Smith, Haverhill, Mass., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 25, 1935, Serial No. 12,865
6 Claims. (Cl. 237—8)



3. In a combined heating system for heating a building and for supplying domestic hot water thereto, in combination, a boiler having an inlet and an outlet, a heat exchanger connected to said boiler in a manner to cause a circulation of boiler heating medium therethrough, said heat exchanger providing for heating said water, a building heat exchanger for heating said building, conduit means for connecting said boiler inlet and outlet with said building heat exchanger, a recirculating conduit associated with said conduit means for recirculating a portion of said heating medium through said building heat exchanger without returning it to said boiler, circulation control means for controlling the proportions of heated medium from said boiler and recirculated medium passed through said building heat exchanger to thereby control the temperature of the medium flowing through said building heat exchanger, thermostatic means influenced by space temperature for controlling said circulation control means in a manner to increase progressively the proportion of heated medium passed through said heat exchanger as the space temperature decreases and to decrease progressively the proportion of heated medium passed through said building heat exchanger as space temperature increases, heating means for said boiler, and means responsive to the temperature of said boiler for placing said heating means into operation when boiler temperature falls to a predetermined low value and for placing said heating means out of operation when boiler temperature rises to a higher value.

2,204,709
PROPORTIONAL PICTURE VARIATOR
Walter E. Straubel, North Bergen, and John P. Eonalf, West New York, N. J.
Application March 24, 1938, Serial No. 197,926
2 Claims. (Cl. 88—24)

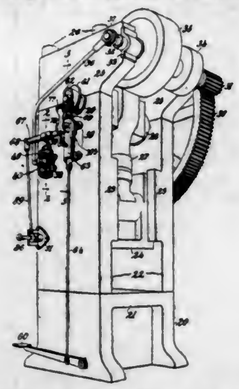


1. In a projector device of the character described, a stationary base, an arm pivotally mounted on said base for oscillation toward and away from a screen, a reflector carried by the free end of said arm, means to vary the angular position of said reflector with respect to said arm for different positions of said arm, a projector movably mounted on said arm for projecting an image toward said reflector for reflection upon said screen, a driving element operatively connected to said projector for moving the projector lengthwise of said arm and thereby cause oscillation of said arm, and power means associated with said driving element to operatively control the movements of said projector, arm and reflector.

2,204,710
CONTROL MEANS FOR FLUID-OPERATED CLUTCHES
Robert W. Strout, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application May 26, 1937, Serial No. 144,767
13 Claims. (Cl. 192—85)

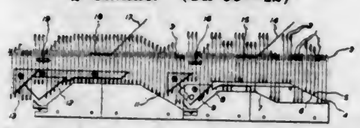
1. Control means for a power driven machine having a driving shaft, a driven shaft, a clutch for transmitting power between such shafts, such clutch being normally biased to a released position, and fluid pressure actuated means for engaging said clutch against its bias, said control means comprising, in combination: a valve for regulating the flow of fluid to and from such actuated means including a casing having inlet, supply, anid discharge ports connecting respectively with a source of fluid under pressure, the clutch actuating means, and an exhaust, a piston slidably disposed in said casing and adapted to

be moved to such positions as to connect the supply ports either with said inlet or said discharge ones, and a passage leading from the inlet ports to a chamber formed between an end wall of the casing and an adjacent head of the piston whereby to subject the latter to an unbalanced pressure and normally bias it to a position connecting the supply and discharge ports;



a valve operating lever having a fulcrum and pivotal connection with the piston; first operating means having connection with said lever for swinging the latter about its fulcrum to move the piston against its bias to connect said supply with said inlet ports and effect an engagement of the clutch; and second operating means adapted to move the position of the fulcrum of said lever whereby to effect a movement of the valve piston.

2,204,711
PRODUCTION OF KNITTED FABRICS
Kenneth Merson Uphill and Albert Fairholme Guyler, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 1, 1938, Serial No. 232,748
In Great Britain October 21, 1937
2 Claims. (Cl. 66—42)



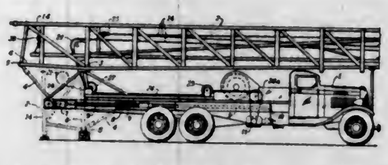
1. A circular bearded needle knitting machine for the production of tuck stitch fabric, said machine comprising a circular series of bearded needles, short actuating butts on some of said needles, and long actuating butts on the remainder of said needles and a plurality of sets of knitting cams of two types, one type comprising in succession a shallow cam adapted to raise the long butt needles, a deep cam adapted to raise the short butt needles to a less height than said long butt needles, a deep cam adapted to draw down said short butt needles and a presser cam adapted to press the beards of said short butt needles as they are drawn down, and a cam adapted to lower the long butt needles, and the other type comprising in succession a deep cam adapted to raise all the needles, a shallow cam adapted to draw down the long butt needles only and a presser cam adapted to press the beards of said long butt needles as they are drawn down, and a deep cam adapted to draw down the short butt needles.

2,204,712
UNIFORM IMPEDANCE NETWORK
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application August 26, 1937, Serial No. 161,017
12 Claims. (Cl. 178—44)



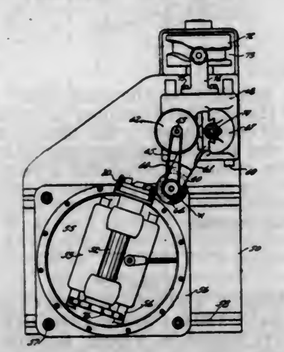
1. A wave-signal translating system comprising a transmission line having an impedance which varies exponentially along the length of the line and a terminating circuit for one end of said line comprising auxiliary reactance means proportioned to adjust the image impedance at said end to an impedance exactly equal, over all frequencies of the transmission band of said line, to the image impedance of a constant-k high-pass filter section having the same cutoff frequency.

2,204,713
PORTABLE DERRICK
Carl White, Jr., Tulsa, Okla., assignor to Franks Manufacturing Corporation, Tulsa, Okla., a corporation of Oklahoma
Application May 20, 1939, Serial No. 274,745
3 Claims. (Cl. 189—11)



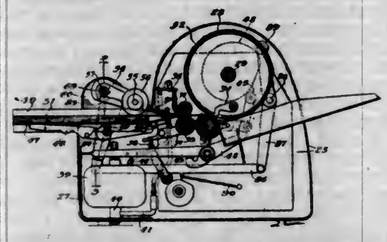
1. A portable derrick structure comprising a mobile base, a derrick mounted on said base, said derrick comprising a lower section pivotally mounted on said base and movable relative thereto between transport and vertical operating positions, spaced parallel guide rails formed from angle iron, extending longitudinally within said lower section, an upper section, formed from angle iron concentrically arranged relative to said rails, retractable within said lower section and slidable therein on said guide rails, releasable latching means carried by said upper section and adapted to cooperate with stop means mounted on said guide rails for locking the upper section in extended position to said lower section, said latching means comprising pawl members hingedly attached to the lower end of said upper section and adapted to be swung into and out of engagement with said stop means, each of said pawls having an angular shank portion and a base in the form of an angular shoe, the shank portion and shoe portion being adapted to seat within the angles of the legs of the upper derrick section and the guide members respectively, when the pawls are swung into engagement with said stops, means for positively moving said pawl members into and out of engagement with said stop members, means for extending and retracting said upper section relative to said lower section, and power operated means carried by said mobile base for actuating said extending and retracting means and for moving said derrick between transport and vertical operating positions relative to said base.

2,204,714
METHOD OF RELIEF GRINDING CUTTER BLADES
Ernest Wildhaber, Irondequoit, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Original application May 20, 1935, Serial No. 22,304. Divided and this application October 29, 1937, Serial No. 171,712
7 Claims. (Cl. 51—288)



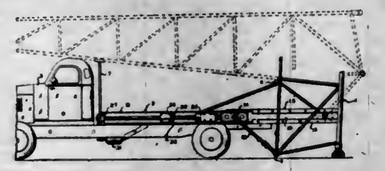
6. The method of grinding side clearance on a gear cutter which has blades projecting from a body portion in the general direction of the axis of the cutter, which consists in mounting a grinding wheel having a curved profile in an axial section in engagement with a side surface of a blade so that the wheel profile extends in the general direction of the length of the blade, in rotating the grinding wheel, and in providing bodily relative motion between the wheel and cutter in a direction perpendicular to the axis of the wheel.

2,204,715
SHEET FEEDING APPARATUS
Glen E. Wimmer, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application May 13, 1939, Serial No. 273,373
16 Claims. (Cl. 271—39)



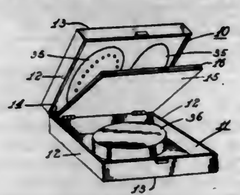
1. In a sheet feeding apparatus, the combination of a frame, a table mounted on said frame so as to support a pile of sheets, a rock shaft rotatably mounted adjacent to said table, an arm mounted on said rock shaft so as to move therewith and extending over said table, paper feeding means carried by said arm adapted by engagement with the top sheet of the pile to move said top sheet edgewise from the pile, and yielding means mounted on said frame and releasably bearing on said rock shaft for pressing said paper feeding means downwardly and adjustable for controlling the degree of pressure of said paper feeding means on said sheet.

2,204,716
PORTABLE DERRICK MAST
Wayland B. Woody, Tulsa, Okla., assignor to Franks Manufacturing Corporation, Tulsa, Okla., a corporation of Oklahoma
Application March 5, 1938, Serial No. 194,155
3 Claims. (Cl. 189—11)



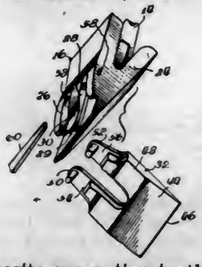
1. In a portable derrick mast structure, a mobile base, a frame on said base including horizontally spaced parallel side members having longitudinal guide members extending outwardly therefrom, a derrick mast pivotally mounted on said frame adjacent its rearward end and movable relative thereto between transport and vertical operating positions, means for pivotally moving said derrick mast, said means comprising a cross head member slidably mounted in one of said guide members and constrained thereby to move longitudinally of said frame, a rigid crank member having one end journaled in said cross head member and the other end rotatively attached to the lower extremity of said derrick mast, and means mounted within said guide members for moving said cross head member longitudinally thereof.

2,204,717
VANITY CASE
James L. Younghusband, Chicago, Ill.
Original application March 7, 1938, Serial No. 194,297. Divided and this application December 10, 1938, Serial No. 244,896
3 Claims. (Cl. 132—82)



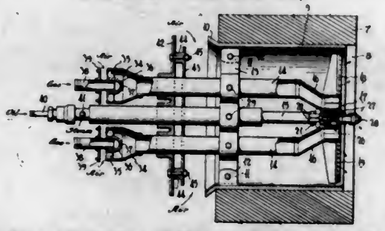
1. A vanity case comprising a pair of oppositely disposed hollow body portions, hinge means attached to each of said body portions to permit them to swing to and from each other to open and closed positions, one of said body portions of sufficient depth to hold dry cosmetics, the other of said body portions of sufficient depth to hold liquid saturated pads, a door positioned between said body portions and hinged to the body portion for holding the wet pads, said door swingable on its hinge to open and close the body portion holding the wet pads, compressible material attached to that portion of the door facing the body portion holding the wet pads so that as said door is moved to closed position the compressible material will compress against the inner walls of the body portion holding the wet pads and form a seal for protecting the wet pads therein from evaporation and the dry cosmetics in the other body portion from absorbing liquid from the wet pads in the body portion holding the same.

2,204,718
REPLACEABLE POINT EXCAVATING TOOTH
Lewis E. Younie, Portland, Oreg., assignor to Electric Steel Foundry Company, Portland, Oreg., a corporation of Oregon
Application July 10, 1937, Serial No. 153,032
13 Claims. (Cl. 37—142)



1. A composite excavating tooth, having a base portion for detachable mounting in a bucket socket, upwardly inclined openings in said base portion, a cutting bit having a plane lower surface and a portion of its upper surface inclined thereto, rearwardly extending fingers on said bit to fit said upwardly inclined openings, a flat shelf on the base portion projecting ahead of said openings to support the lower surface of said bit, and means to detachably secure said fingers in said openings.

2,204,719
COMBINATION GAS AND OIL BURNER
John S. Zink, Tulsa, Okla.
Application October 14, 1938, Serial No. 235,072
4 Claims. (Cl. 158—11)



3. In a structure of the character described, a wall frame, a spider secured to and extending across said frame, an oil tube extending through the medial portion of said spider and provided at its outlet end with an oil burner head, gas-conveying tubes extending through the spider at opposite sides of the oil tube, and a sectional gas burner head surrounding said oil burner tube and having sections connected to the outlet end portions of the gas-conveying tubes, said oil tube and oil burner head being axially adjustable through the central portion of said gas burner head.

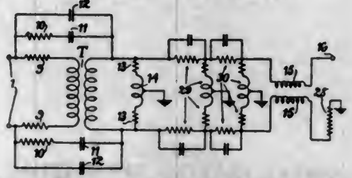
2,204,720
BRAKE APPARATUS
Rube A. Avery, Hot Springs National Park, Ark.
Application March 23, 1939, Serial No. 263,794
2 Claims. (Cl. 188—106)

1. In combination with a fluid brake system including a master cylinder having a brakes attached fluid line extending therefrom, an auxiliary cylinder, a branch line from the brakes attached fluid line to the auxiliary cylinder, mechanical brakes, a control member for the mechanical brakes having an abutment thereon, a foot pedal for operating the master cylinder, said foot pedal having a laterally disposed projection normally in the path of the abutment, said auxiliary cylinder being provided with a piston therein, and means between the piston and the mechanical brakes controlling member whereby the latter is moved to a position with its abutment out of the path of the laterally



disposed member on the foot pedal when the piston of the auxiliary cylinder is under pressure of the fluid connections to the brakes, said means between the piston and the mechanical brakes controlling member comprising a bellcrank connected at one end to the piston and being engaged at its opposite end with the mechanical brakes controlling member.

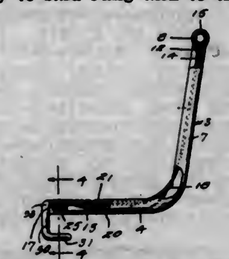
2,204,721
IMPEDANCE NETWORK FOR COUPLING ELECTRIC CABLE CIRCUITS
Alan Dower Blumlein, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application November 13, 1937, Serial No. 174,497
In Great Britain December 2, 1936
10 Claims. (Cl. 178—44)



1. A coupling network for the transmission of desired signals covering a wide range of frequencies between two circuits and for preventing the passage of undesired direct current and attenuating undesired low frequency signals, comprising in combination a transformer, comprising two windings and capable of transmitting lower frequency components of said desired signals, means for connecting one of said windings to the output of one of said circuits, means for connecting another of said windings to the input of said other circuit, an auxiliary path connected between said windings for higher frequency components of said desired signals subjected to attenuation by the leakage inductance of said transformer, said auxiliary path forming with at least part of said leakage inductance and with resistance presented by said windings an impedance, which is substantially constant over the wide range of frequencies to be transmitted by the network, thereby rendering the transmission efficiency of the coupling network over said range of frequencies substantially uniform.

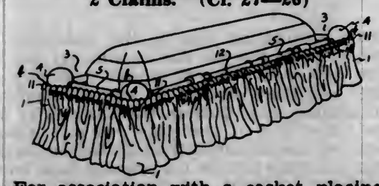
2,204,722
PORTABLE CHAIR
Carl E. Bowles, Lewiston, Idaho, assignor of fifteen per cent to Vincent L. Neal, and thirty-four per cent to Earl Sumpter, both of Lewiston, Idaho
Application June 10, 1939, Serial No. 278,569
8 Claims. (Cl. 155—133)

5. In a portable seat for the purpose set forth, a frame-like supporting element having an open front base portion and closed top upstanding rear portion, a rung arranged in the open front of said base portion, a combined chair seat and chair back forming element suspended in said supporting element and loosely and removably connected respectively to said rung and to the top of said



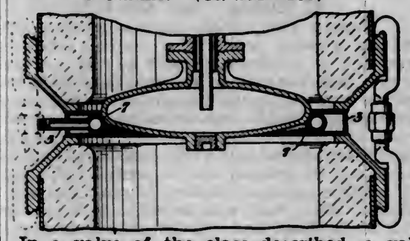
rear portion, spaced parallel upstanding couplers extending into said supporting element and disposed in depending relation with respect to the open front of said base portion, and means extending through said supporting element, said couplers and said rung for detachably connecting said couplers, rung and chair seat and chair back forming element to said supporting element.

2,204,723
SUPPORT AND DRAPE FOR CASKET LOWERING DEVICES
Francis M. Compton, Waco, Tex.; Ida M. Compton, executrix of said Francis M. Compton, deceased
Application May 21, 1938, Serial No. 209,159
2 Claims. (Cl. 27—26)



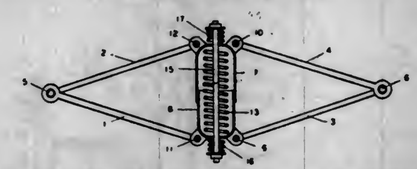
1. For association with a casket placing and lowering device wherein the lowering device includes a plurality of rotatable shafts, a drape comprising a curtain vertically arranged thereabout, a casing horizontally attached to said curtain and arcuated at spaced intervals on said curtain, a continuous elastic cable within said casing and hook means attaching the heading of the said curtain to the said casket and lowering device.

2,204,724
VALVE SEAT
Harold Cope, Donora, Pa.
Application July 22, 1938, Serial No. 220,811
3 Claims. (Cl. 251—168)



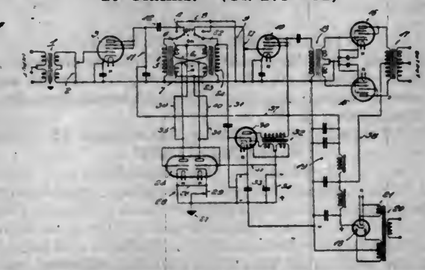
1. In a valve of the class described, a valve seat comprising an inner hollow portion and an outer hollow portion formed therearound concentric therewith through both of which a cooling medium is adapted to pass, said inner hollow portion consisting of a circular-shaped cylindrical seamless tubular member having its ends oppositely disposed and securely attached to the opposite sides of a partition plate member so as to interrupt the continuity of the opening through the same therearound, said outer hollow portion consisting of means arranged around and securely attached to said seamless cylindrical tubular member so as to form a hollow chamber therearound, means for interrupting the continuity of the opening around said outer hollow portion, means for introducing a cooling medium into both said inner and outer hollow portions to cool the same, and means for conveying the same therefrom.

2,204,725
MEANS FOR REDUCING STRESSES IN OIL WELL PUMPING EQUIPMENT
Wilbur J. Crites, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 19, 1937, Serial No. 169,880
2 Claims. (Cl. 74—581)



1. In a deep well pumping unit of the reciprocal plunger type having rods and a walking beam to reciprocate the plunger with a pitman connected between a power means and the walking beam, said pitman member having a compressible medium mounted therein to absorb stresses from the rods, said compressible medium comprising a pair of telescoping cylinders having a spring mounted therein and two pairs of arms pivotally connected to the ends of the cylinder members on opposite sides thereof with one pair of arms connectable with the walking beam while the other pair connects with the power means.

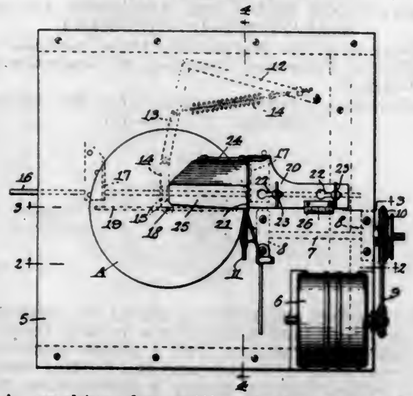
2,204,726
LIMITING AMPLIFIER CONTROL MEANS
Frank M. Davis, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application October 20, 1938, Serial No. 236,117
10 Claims. (Cl. 178—44)



1. In a limiting amplifier, a transmission control system comprising a transformer coupling circuit having dual loop circuits interconnected

in opposed relation for blocking the transfer of energy, and means for altering the opposed relation of the loop circuits consisting of a dual triode electron tube device having separate anode electrodes connected with the respective loop circuits, and cathode electrodes in common, the internal anode-cathode resistances in said device being additive between said loop circuits and constituting the control factor for altering the opposed relation of the loop circuits, and means including grid electrodes in said electron tube device for varying the internal anode-cathode resistances in said device for controlling the transfer of energy in varying degree.

2,204,727
MACHINE FOR CUTTING LEATHER
Ross N. Dunkle, Dry Run, Pa., assignor of one-half to Howell C. Epperly, Philadelphia, Pa.
Application May 3, 1938, Serial No. 205,854
1 Claim. (Cl. 164—37)



A machine for cutting lacing strips from leather stock, comprising a table having an elongated opening formed therein, a pivoted arm mounted under the table, an arm pivotally connected to the free end of said pivoted arm, a coiled spring connecting said arms and adapted to urge the arms towards each other, an arm pivotally connected to the free end of the latter arm, a pin rising from the last mentioned arm and operating through the slot, said pin providing a support for the leather stock being cut, a rotary power operated cutting blade mounted on the table and adapted to cut a strip of leather from the stock as the stock is fed to the blade, and an adjustable stop adapted to regulate the width of the lacing strips being cut.

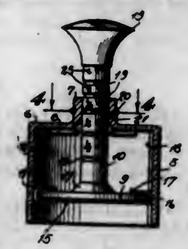
2,204,728
STABILIZATION OF FOODS
Carleton Ellis, Montclair, and Frederic Dannerth, East Orange, N. J., assignors, by direct and mesne assignments, to Ellis Laboratories, Inc., Montclair, N. J.
No Drawing. Application December 14, 1937, Serial No. 179,724
7 Claims. (Cl. 99—150)

1. The process which comprises macerating substantially non-oleaginous unripe fruit of an edible plant of the dicotyledon group at a temperature below that at which inhibitors of oxidation in said fruit are deleteriously affected, and incorporating the resultant product with an edible food in an amount sufficient to stabilize the food substantially against oxidative action.

2,204,729
TREATMENT OF PARTIALLY RANCID GLYCERIDES
Carleton Ellis, Montclair, and Frederic Dannerth, East Orange, N. J., assignors, by direct and mesne assignments, to Ellis Laboratories, Inc., Montclair, N. J.
No Drawing. Application December 15, 1937, Serial No. 179,948
4 Claims. (Cl. 99—118)

1. The process of treating partially rancid edible glycerides which comprises treating said partially rancid edible glyceride with a comminuted edible mass of a flowering plant at a temperature sufficiently high to eliminate the rancidity of the glyceride, but not exceeding 100° C., and separating the glyceride from the residual comminuted plant product whereby a substantially non-rancid edible glyceride is obtained.

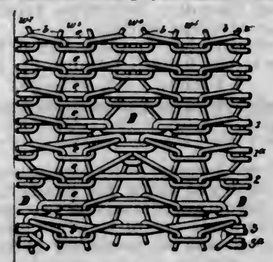
2,204,730
MEASURING CUP
Nils Eskilson, Huntington Park, Calif.
Application April 7, 1939, Serial No. 266,638
3 Claims. (Cl. 73—165)



1. In a measuring cup of the character described, wherein the cup has an annular side wall and an end wall, wherein a rod rotatably and slidably extends through the end wall, wherein an adjustable false bottom for the cup is fixed to the inner end of the slide rod and wherein cooperating means are carried by the end wall of the cup and slide rod for holding the false bottom in adjusted position, a scraper blade freely mounted on the false bottom in contact with the exposed side thereof and said scraper blade having a sliding interlocking connection with the annular side wall of the cup whereby the false bottom may be rotated by the slide rod with the scraper blade remaining stationary.

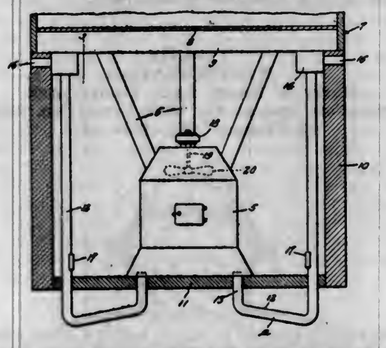
2,204,731
PLAIN KNITTED ORNAMENTED FABRIC HAVING ELASTIC THREAD INCORPORATED THEREIN AND PROCESS OF MAKING SAME
James Louis Getaz, Maryville, Tenn.
Application April 15, 1937, Serial No. 136,993
16 Claims. (Cl. 66—172)

1. A plain knit fabric having a substantially uniform ground comprising courses and wales composed of inelastic thread having an elastic thread under tension incorporated in certain courses without the formation of knitted loops of said elastic thread, and united to the fabric between the stitch loops of the inelastic thread, said elastic thread being knit into loops at certain wales only in certain courses only of the fabric, the tension of said elastic thread drawing the wales of all of said courses into close proximity with each other and effecting distortion of the portions of inelastic thread adjacent to said knitted loops of elastic thread to form structural ornamental units in said ground fabric without the addition of other thread or threads, and the face of the fabric being provided with designs



of said ornamental units formed by the knitted loops containing the elastic thread arranged upon said ground in accordance with a predetermined ornamental pattern.

2,204,732
AIR CONDITIONING APPARATUS
Roy M. Girstenbrei, Madison, Wis.
Application May 18, 1939, Serial No. 274,453
1 Claim. (Cl. 237—53)



In combination with the shell of a hot air furnace having an air outlet, a basement floor upon which the shell sets, a vertically extending inlet pipe having an inlet at its upper end and having its lower end extending downwardly through the basement floor to a point beneath the same, said pipe being disposed laterally in an inclined position toward a point beneath the shell and provided with an upwardly extending terminal portion opening through the floor and in the lower portion of the shell, said vertical pipe having a clean-out in the lower portion thereof immediately above the basement floor and the adjacent end of the inclined laterally disposed portion of said pipe.

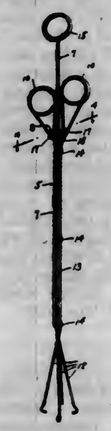
2,204,733
PRODUCTION OF CHLORINE
Hoke S. Miller, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application June 3, 1938, Serial No. 211,521
8 Claims. (Cl. 23—219)

1. The method of producing chlorine by oxidation of hydrogen chloride which comprises introducing a gaseous mixture of hydrogen chloride and oxygen to a catalyst heated to an elevated temperature and containing a compound of copper and a compound of a metal selected



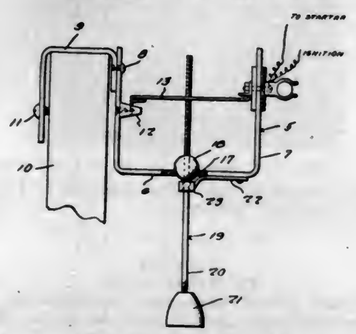
from the group consisting of uranium and metals of the "rare earth group."

2,204,734
PICKING TOOL
Michael Joseph Sarnecky, Edwardsville, Pa.
Application September 7, 1939, Serial No. 293,831
1 Claim. (Cl. 294—100)



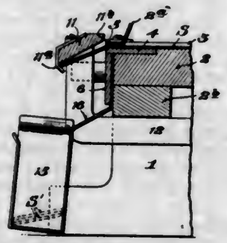
In a picking tool, a pair of gripping members each consisting of a single strand of wire bent spirally at substantially its middle portion to form finger loops having at least one complete convolution with the wire extending tangentially from opposite sides thereof, the extended portions of the wire converging at an acute angle to form a pair of arms, the remaining portions of the wire being twisted together from the junction of the arms to points spaced from the wire ends and then diverging and provided with bent tips to form gripping fingers, said pair of gripping members having their twisted portions twisted together with the finger loops in substantially the same plane, a bridge and guide member consisting of a single strand of wire bent intermediate its ends to form a convolution constituting a guide eye and having its ends wrapped around the adjacent arms of the gripping member, and a grip actuating member consisting of a single strand of wire extending through said guide eye and having a guide loop at its lower end slidably engaging around the twisted together portions of the gripping members, said actuating member having its other end bent to form a finger loop in normal spaced relation to the guide eye.

2,204,735
FIRE SAFETY DEVICE FOR AUTOMOBILES OR AIRPLANES
Floyd S. Smith, Portsmouth, Va., assignor of one-third to Wm. H. Hatchett, Portsmouth, Va.
Application May 20, 1939, Serial No. 274,852
2 Claims. (Cl. 200—52)



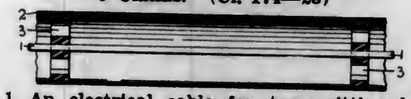
1. In a device of the character set forth comprising a substantially U-shaped frame including parallel portions and a connecting portion, a substantially U-shaped clamp secured to one of the parallel portions and engaging a portion of a vehicle and establishing electrical connection between the frame and the vehicle, contact elements mounted on the parallel portions and arranged to substantially encircle a selected area between the parallel portions, means for electrically connecting said contact elements with a fuse of an ignition system of a vehicle, said frame having an opening, a ball seated in said opening, a weighted rod adjustably secured to said ball and extending into said area to engage either of said contact elements on excessive movement of the frame with respect to the weighted rod to bring about destroying of the fuse.

2,204,736
CARD SHEARING MACHINE
Clarence W. Straubel, Youngstown, Ohio, assignor, by mesne assignments, to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware
Application June 3, 1939, Serial No. 277,269
5 Claims. (Cl. 164—44)



1. An apparatus for severing partially cut cards from strip stock, comprising, shearing means movably supported adjacent the gauge side of the fixed shear element and including fixed and movable shear elements, and a downwardly inclined flat faced member actuated by the movable shear elements for bending and adjusting a partially cut card over the fixed shear element prior to the descent of the movable shear element.

2,204,737
MANUFACTURE OF ELECTRIC CABLES
John Cuthbert Swallow, Northwich, and Michael Willcox Perrin, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application October 7, 1938, Serial No. 233,874
In Great Britain October 14, 1937
3 Claims. (Cl. 174—28)



1. An electrical cable for transmitting high frequency impulses, comprising two co-axial conductors, the inner one of which is maintained in position by means of insulating material which occupies a portion of the annular space and which is flexible, chemically inert, has at high frequencies low attentuation and low dielectric power loss, a dielectric constant substantially independent of frequency and of temperature up to the softening point of said insulating material over a range of about 50 to 10^8 cycles per second, and which has a flexibility at low temperatures substantially the same as that for normal temperatures, said insulating material consisting essentially of normally solid polymer of ethylene which corresponds in composition substantially to $(CH_2)_x$, and which by X-ray diffraction analysis shows a crystalline structure.

2,204,738
RESUSCITATOR
Harry L. Swan, Lake Village, Ark.
Application August 15, 1938, Serial No. 225,059
3 Claims. (Cl. 128—28)

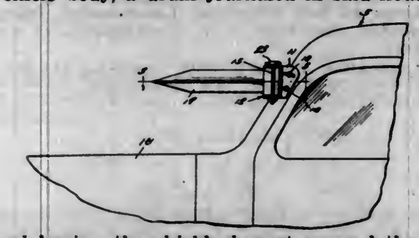


1. A resuscitator for application to a patient, comprising a resilient base having a sleeve extending therefrom, and means for creating a vacuum in the sleeve to hold the base to the patient to which it is applied, said means comprising a pump mounted on the sleeve and including a collapsible chamber, a check valve connection between said chamber and sleeve for maintaining a vacuum in the sleeve after the withdrawal of air therefrom by the pump, a check valve carried by the pump for permitting escape of air to the atmosphere from the pump, and a handle mounted on the pump for use in effecting a thrusting and pulling action on the base and its sleeve without reducing the vacuum created in the sleeve while applied to a patient.

2,204,739
GLARE SHIELD
Latinus A. Wells, Danville, Va., assignor of one-eighth to H. Gordon Tuggle and one-eighth to Jack L. Neal, both of Danville, Va.
Application March 10, 1939, Serial No. 261,050
2 Claims. (Cl. 296—97)

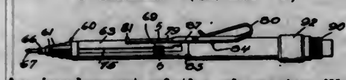
2. A glare shield comprising an elongated shield element, a housing having a throat to receive said shield element and including hingedly

connected sections, means for adjustably mounting said housing on a windshield post of a motor vehicle body, a drum journaled in said housing



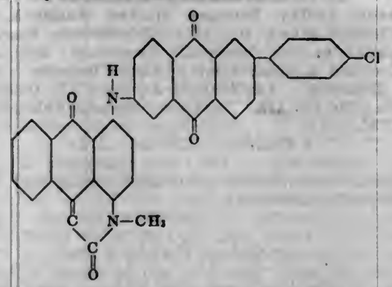
and having the shield element secured thereto and partly wound thereon, and an operating means for the rotation of said drum.

2,204,740
COMPOUND IMPLEMENT
Lewis J. Whitney, Springville, Utah
Application December 27, 1937, Serial No. 181,962
3 Claims. (Cl. 120—9)



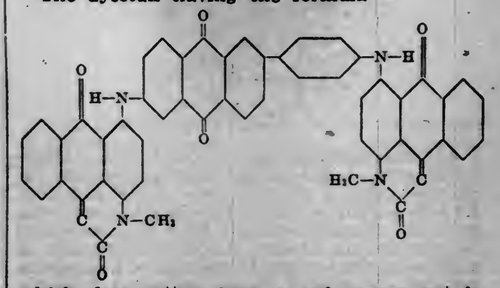
1. An implement of the character illustrated comprising a tubular body, a writing lead-carrying guide mounted for axial movement within said body towards one end thereof, means on the exterior of said body and connected to said guide whereby said guide may be axially shifted for projecting it from and retracting it into said body, and a muzzle associated with said body and serving as a bearing for said guide, said muzzle including exterior ribbing adapted to be employed as bitting for a lock, means associated with said exterior means adapted to cooperate with a lock when the implement is employed as a key and adapted to serve as a limit stop for the key upon insertion of the muzzle into the lock and responding to insertion of the muzzle into the lock to retract said guide whereby the lead carried by said guide is automatically withdrawn to safeguard the lead from damage.

2,204,741
DYESTUFFS OF THE ANTHRAQUINONE SERIES
Alexander J. Wuerts, Villa Monterey, Del., and William L. Rintelman, Elmer, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 21, 1938, Serial No. 236,295
1 Claim. (Cl. 260—278)
The dyestuff of the formula:



which dyes cotton from a red orange vat in bright bluish red shades of excellent fastness properties.

2,204,742
DYESTUFFS OF THE ANTHRAQUINONE SERIES
Alexander J. Wuerts, Wilmington, Del., and William L. Rintelman, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application October 21, 1938, Serial No. 236,295. Divided and this application September 22, 1939, Serial No. 296,046
1 Claim. (Cl. 260—278)
The dyestuff having the formula



which dyes cotton from a red orange vat in bright bluish red shades of excellent fastness properties.

2,204,743
VINYL RESIN PLASTIC COMPOSITIONS
Victor Yngve, Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application April 15, 1938, Serial No. 202,215
7 Claims. (Cl. 260—41)

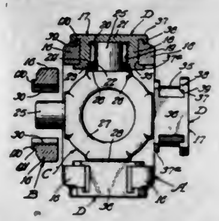
1. A vinyl ester resin plastic composition containing a filler material the individual particles of which have an initial surface coating thereon of a film essentially composed of a polyvinyl partial acetal resin.

2,204,744
IRONING DEVICE
John Paul Ahlbrandt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 11, 1937, Serial No. 168,365
7 Claims. (Cl. 38—66)



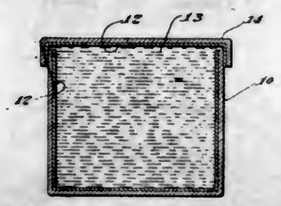
6. An ironer shoe assembly comprising an elongated shoe, a cover having side regions terminating in inturned flanges receiving the longitudinal edge regions of said shoe, a heating unit adjacent said shoe, a rigid plate adjacent said heating unit, and resilient means engaged under compression between opposed regions of the said plate and cover, and serving to fix all of the parts in their assembled relationship, said shoe being longitudinally slidable upon said flanges for disassembling the parts.

2,204,745
UNIVERSAL JOINT
Edmund B. Anderson, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 23, 1938, Serial No. 191,941
16 Claims. (Cl. 64—17)



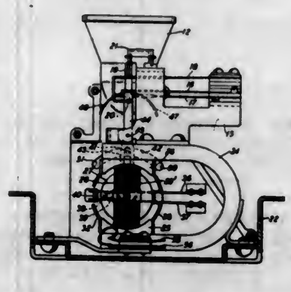
14. In a universal joint, a yoke having a bifurcated arm, a cup-shaped bearing member receivable between the furcations of said arm with its axis at right angles to the plane thereof, wing portions extending radially from the closed end of said bearing member in opposite directions in a plane at right angles to the axis of the bearing member, arc-shaped flanges projecting from the ends of said wing portions toward the other end of the bearing member, parallel to and concentric with the axis of said bearing member, and lugs formed on said furcations adjacent the opposed edges thereof, said lugs being arranged to be engaged by the inner faces of said flanges when said bearing member is in position between said furcations with said wing members extending transversely of said furcations, said bearing member being rotatable between said furcations to a position in which said wing members extend parallel to said furcations, in which position said flanges are receivable between said lugs so that said bearing member may be removed bodily from between said furcations.

2,204,746
PACKAGE AND NONCORRODIBLE CONTAINER
Francis Clarke Atwood, Newton, Mass., assignor to Atlantic Research Associates, Inc., a corporation of Delaware
Application September 24, 1936, Serial No. 102,360
1 Claim. (Cl. 220—64)



A package comprising a metal container, a cover member therefor for closing the container, both the cover member and the container being formed from a metal that is corroded by an aqueous casein paint, said cover and container being provided with a protective film of wool fat at all portions where said paint would normally contact said metal, and an aqueous casein paint within said container which is separated from said metal by said protective film of wool fat, whereby the metal is protected from corrosion due to the paint, and the paint may be stirred in the container without objectionable contamination by the wool fat.

2,204,747
COIN COLLECTOR APPARATUS
David G. Blattner, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 6, 1938, Serial No. 223,401
5 Claims. (Cl. 232—57.5)



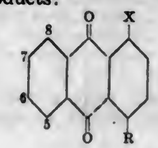
1. A telephone coin collector comprising a coin hopper, means in said hopper for controlling the disposition of coins deposited in said hopper, means for producing a magnetic potential, a coil adapted to be traversed by an electrical current and mounted in the field of said means for rotative movement in a direction dependent upon the direction of applied current, means for biasing said coil to a normal position, and means coupled to said coil for actuating said controlling means.

2,204,748
DYESTUFFS OF THE ACID WOOL CLASS
Edwin C. Buxbaum, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 3, 1938, Serial No. 222,809
3 Claims. (Cl. 260—373)

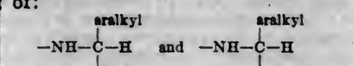
1. Acid wool dyestuffs comprising 1-hydroxy-2-arylaminoanthraquinones which carry in the 4 position a radical of the class consisting of hydroxy and arylamino groups and where in both cases the arylamino radical is of the benzene series, said compounds carrying at least two sulfonic acid radicals, one of which is directly attached to the anthraquinone nucleus, which dyestuffs dye wool by the usual chroming methods in brown shades.

2,204,749
ANTHRAQUINONE DYESTUFFS
Samuel Coffey, Norman Hulton Haddock, and Clifford Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 27, 1938, Serial No. 187,318. In Great Britain February 1, 1937
4 Claims. (Cl. 260—373)

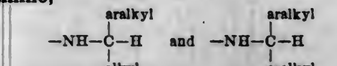
1. Compounds of the class consisting of those having the following general formula and their sulfonation products:



where X stands for a radical of the group consisting of:

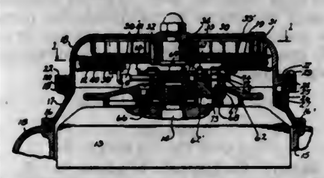


R stands for a substituent of the class consisting of hydroxyl, amino, alkylamino, cycloalkylamino, arylamino,



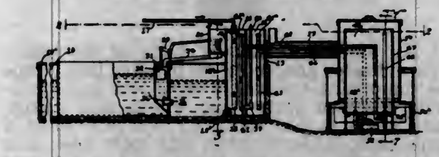
the positions 5, 6, 7 and 8 being occupied by a substituent of the class consisting of —H and —OH, but in no case are there more than two hydroxyl groups present in that ring of the anthraquinone nucleus.

2,204,750
MECHANICAL STARTER FOR INTERNAL COMBUSTION ENGINES
Warren C. Conover, Waukegan, Ill., assignor to Outboard, Marine & Manufacturing Company, Waukegan, Ill., a corporation of Delaware
Application December 19, 1938, Serial No. 246,583
13 Claims. (Cl. 185—39)



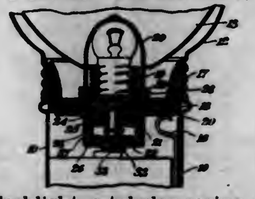
1. The combination with an engine having a starting mechanism, said starting mechanism having a casing member fixed to the engine, a second casing member rotatably mounted upon said fixed member and carrying a centrally and rotatably mounted engagement device, of a ball detent, releasably connecting said casing members to prohibit relative movement therebetween during ordinary stresses accompanying the starting operation and to allow rotation of the mounted casing member in respect to the fixed casing member under conditions of extraordinary stress therebetween.

2,204,751
LIQUID DISTRIBUTING APPARATUS
Charles Vance Dame, Lanark, Ill.
Application May 26, 1938, Serial No. 210,116
5 Claims. (Cl. 119—73)



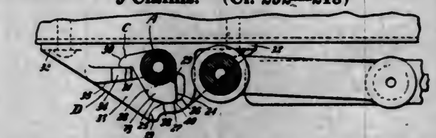
1. Water distributing apparatus comprising a reservoir, a drinking tank, a movable conduit having outlets arranged for non-simultaneous discharge of water for supplying water to the tank when the same is below a predetermined level and diverting water to the reservoir when the water in the tank reaches such level, and means operable by the water in the tank for moving said conduit for rendering operative one or the other of said outlets.

2,204,752
FLASHLIGHT
Anthony J. Desimone, Lyndhurst, N. J., assignor to Bright Star Battery Company, Clifton, N. J., a corporation of New York
Application April 30, 1938, Serial No. 205,146
4 Claims. (Cl. 240—11.3)



1. In a flashlight, a tubular casing, an annulus of insulating material at one end of said casing, a socket having a smooth inner surface and a screw-threaded outer surface fixedly supported by said annulus in its opening, a center contact within said socket and insulated therefrom, a spring in said socket for engagement by a bulb base, a screw-threaded collar on said socket, and a loop carried by said collar for holding a bulb in said socket with its center contact in engagement with said socket center contact.

2,204,753
DOOR FASTENER
William M. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application November 10, 1938, Serial No. 239,777
9 Claims. (Cl. 292—218)

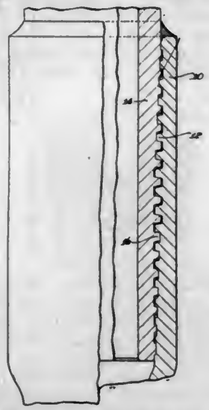


1. In a car door fastener for doors of refrigerator cars, the combination with a rotary operating bar mounted on the door; of a slotted keeper fixed to the car wall, said slot of the keeper having a concave seat in one of its walls, said seat facing the car wall; and means on said bar for forcibly camming the door shut by rotation of said bar in one direction including a cam lug engageable within said slot, said cam lug having a rounded cam face engageable within the concavity of said seat to lock the bar against rotation when the door is closed.

2,204,754
THREADED JOINT
William M. Frame, Ben Avon, Pa., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 29, 1938, Serial No. 248,278
3 Claims. (Cl. 285—146)

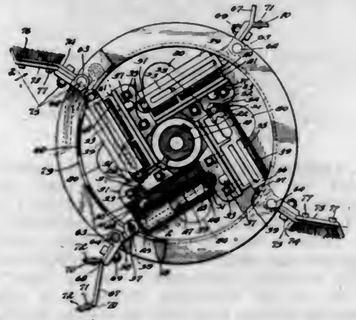
1. A threaded joint for thin walled oil well casing and the like and comprising male and female joint members formed with complementary threads of a modified Acme type thereon, the roots of the female thread at the small or pipe end thereof being defined by a taper and receiving the crests of the male thread in bottoming relation, the roots on the large or pipe end of the male thread being defined by a taper and receiving the crests of the female thread in bottoming relation, said bottoming extending inwardly from each end for at least one-fifth but less than

half of the total thread length so as to provide a rigid joint, and the intermediate thread crests



and roots being defined by substantially cylindrical surfaces, none of said intermediate crests bottoming in opposed roots.

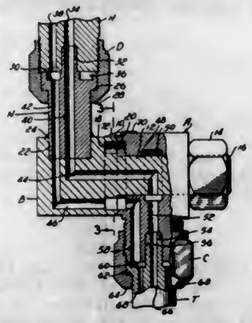
2,204,755
DEHAIRING DEVICE
John Gonsor, Chicago, Ill.
Application August 5, 1938, Serial No. 223,170
7 Claims. (Cl. 17—18)



6. In a dehairing machine, a rotary carrier, a plurality of retractable arms, hide contacting elements carried by said arms, said arms being pivotally mounted on the carrier, and fluid pressure operated means for swinging said arms to normal projected hide engaging position.

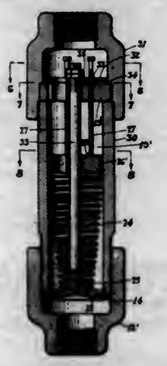
2,204,756
BLOWPIPE
Frank C. Hasse, La Grange, Ill., and Lloyd W. Young, Scotch Plains, N. J., assignors to Oxweld Acetylene Company, a corporation of West Virginia
Application April 5, 1938, Serial No. 200,152
17 Claims. (Cl. 158—27.4)

1. For use with a blowpipe including a head having seating surfaces and a nozzle normally detachably secured to said head and formed with seats engaging said seating surfaces; an adaptor unit designed to be interposed between and operatively to connect said head and said nozzle to permit the axis of said nozzle to be angularly adjusted with respect to the axis of said head, said unit comprising, in combination, a first member formed with seats adapted to engage said head seating surfaces whereby said first member may be operatively associated with said head interchangeably with said nozzle; and a second member adjustably connected to said first mem-



ber and formed with seating surfaces adapted to be engaged by said nozzle seats whereby said nozzle may be operatively associated interchangeably with said head or with said second member, each of said members being drilled to form continuously communicating gas passages in continuation of the gas passages in said blowpipe head and blowpipe nozzle.

2,204,757
SAFETY VALVE
Henry C. Henze, Linden, N. J.
Application January 20, 1938, Serial No. 185,804
5 Claims. (Cl. 137—152)

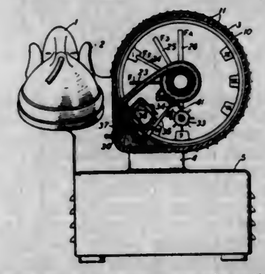


4. An automatic shut-off valve of the character indicated adapted to be inserted into a pipe line comprising a casing, a valve seat and a normally unseated valve head within said casing, guide means in said casing for said valve head, a reciprocable spider between said valve head and said guide means, resilient means one end thereof engaging said valve head, the other end engaging said spider whereby said valve head will be maintained in unseated position during the normal operation of the valve, regulatable means for spacing said spider with respect to said guide means for tensioning said resilient means, and separate means for enabling manual adjustment of the clearance between said valve head and said valve seat.

2,204,758
PROCESS OF SOLVENT REFINING PETROLEUM OILS
Arthur W. Hixson, Leonia, N. J., and Ralph Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, a corporation of Delaware
No Drawing. Application December 17, 1936, Serial No. 116,349
1 Claim. (Cl. 196—13)

A process of refining petroleum oils which contain paraffinic and non-paraffinic constituents which comprises contacting the oil with furonitrile at temperatures above the miscibility temperature, cooling the mass to stratify it into an oil phase and a solvent phase; separating the solvent phase with its dissolved oil from the oil phase, and treating such solvent phase with triamylamine under conditions regulated to preferentially extract certain of the oil constituents from the furonitrile phase.

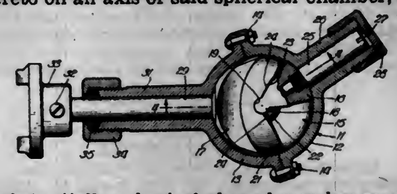
2,204,759
TELEPHONE SYSTEM
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 7, 1938, Serial No. 233,706
10 Claims. (Cl. 179—16)



1. In a telephone system, a subscriber's station, a central office, a line extending from said station to the central office, a designation transmitter at said station comprising a plurality of differently tuned reeds, a plurality of reed-operating elements each of which is capable of assuming different positions to represent different values of a designation character, all of said elements being preset by the subscriber to represent the whole designation, a source of current at the central office, means responsive to the flow of current over said line from said source to cause the vibration of said reeds in accordance with the settings of the successive reed-operating elements to transmit to the central office currents of frequencies representing the preset designation, and means at the central office for registering said designation.

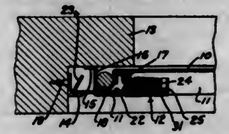
2,204,760
FLUID CONTROL DEVICE
Ole Jensen, Chicago, Ill.
Application June 9, 1938, Serial No. 212,713
3 Claims. (Cl. 103—134)

1. A rotatable device adapted to be used as a pump, comprising a two-part casing forming a spherical fluid working chamber, a substantially spherical rotatable member disposed interiorly thereof, said rotatable member comprising a substantially spherical segment-shaped member having a shaft secured thereto and a journal formed thereon, a substantially spherical arcuate-shaped member having a bearing surface formed therein adapted to receive said journal on said segment-shaped member for oscillation relative thereto on an axis of said spherical chamber, and



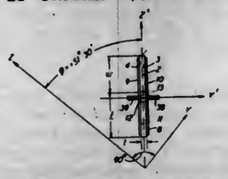
a substantially spherical-shaped member mounted in suitable recesses formed adjacent the centers of said segment-shaped member and said arcuate-shaped member to prevent relative movement thereof in the direction of said axis.

2,204,761
SCREEN RETAINING LATCH
Albert Lang, Berkeley, Calif.
Application March 18, 1939, Serial No. 262,741
13 Claims. (Cl. 156—14)



12. In a window screen retaining latch, the combination of a metallic screen fabric supporting frame of the type having a channel-like construction for the reception of a screen fabric and a retaining rod, a detent engaging member adapted to move through said frame transversely to said channel, said detent engaging member being slidable through aligned slots cut in the inner and outer walls of said frame and extending inwardly over the screen fabric opening of the frame, a tension spring secured at one end to the inner wall of said frame channel and at its other end to said detent engaging member, and spring enclosing means carried by the inwardly extending end of said detent engaging member adapted to conceal said spring and form a grip by which said slidable detent engaging member may be operated.

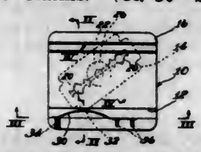
2,204,762
PIEZOELECTRIC CRYSTAL APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 21, 1937, Serial No. 180,921
18 Claims. (Cl. 171—327)



1. A piezoelectric quartz crystal element having a major plane of substantially rectangular shape disposed substantially parallel to an electric axis and inclined at a selected acute angle with respect to the optic axis thereof as measured in a plane perpendicular to said electric axis, the major axis of said major plane being inclined substantially 45 degrees with respect to said electric axis,

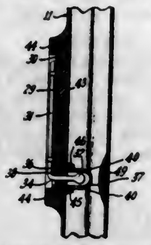
the minor axis width dimension of said major plane having a selected ratio with respect to the major axis length dimension thereof, said angle and said dimensional ratio being substantially those given by the curve of Fig. 11 to obtain a substantially constant resonant frequency within substantially five parts in a million throughout substantially a 100 degree centigrade temperature range.

2,204,763
ENVELOPE OPENER
Octavian Maximilian, Pittsburgh, Pa.
Application September 22, 1938, Serial No. 231,192
8 Claims. (Cl. 30—289)



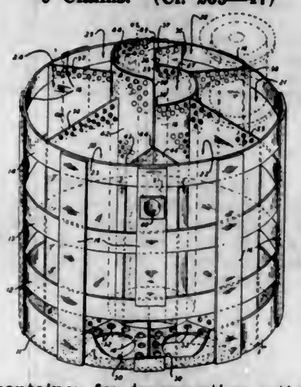
1. An envelope opener or the like comprising a block having a groove extending the full length of one surface thereof, a substantially flat cutting blade removably carried by the block with a cutting edge extending into the groove in a position substantially parallel with the bottom of the groove and inclined to the side wall thereof at an angle of about 35°, a ribbon spring secured to the side wall of the groove opposite the blade and having a narrow slot into which the cutting edge of the blade extends, and adjustable means for controlling the distance that the cutting edge of the blade extends into the slot in the spring, said spring being tilted to form an angle greater than 90° with the bottom of the blade, and the groove in the block being formed deeper beyond the slot in the spring in the direction of movement of an envelope through the groove.

2,204,764
THERMOMETER ATTACHMENT FOR FOUNTAIN SYRINGE BAGS OR SIMILAR CONTAINERS
Rutledge R. Mayo, New York, N. Y., assignor of one-half to Albert L. Stover, Bradford, Pa.
Application June 10, 1939, Serial No. 278,487
4 Claims. (Cl. 73—343)



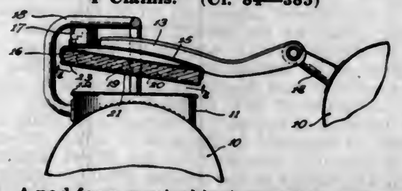
2. A thermometer attachment for a fountain syringe bag or similar container including a thermometer tube, a thermometer bulb, and a thermometer plate, a plate-like reenforced wall section of said bag as a thermometer base and frame integral with said thermometer base and protruding therefrom, and surrounding and overlapping the edges of said thermometer base, said thermometer base and said frame forming a thermometer socket on said bag wall adapted to house said thermometer plate, said thermometer bulb being angularly bent from said thermometer tube, a bore within said plate, a cap mounted at the edge of said bore and rearward projecting therefrom and adapted to house said angularly bent thermometer bulb, means for packing said bulb within said cap, said cap being perforated towards the rear, a bore within said thermometer base adapted to give passage to said cap.

2,204,765
CONTAINER
Shryock P. McDaniels, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 5, 1938, Serial No. 194,047
9 Claims. (Cl. 263—47)



1. A container for transporting articles comprising a hollow body portion, a bottom portion therefor, a central partition fixed in the body portion to form a central article receiving compartment, and partitions fixed to and extending transversely from the central partition to form outer article receiving compartments in the body portion around the central compartment, the central partition extending above the body portion and serving to guide articles into the outer compartments.

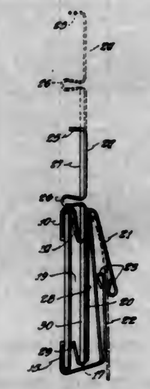
2,204,766
PAD FOR WIND INSTRUMENT KEYS
Carl Michalek, Riverside, Ill.
Application November 15, 1937, Serial No. 174,504
4 Claims. (Cl. 84—385)



1. A pad for a musical instrument key comprising a base of fibrous material, a soft thin sealing membrane on the outer side thereof, and an impregnant extending throughout the whole mass of said base normally maintaining said base as an integral unit, said impregnant being capable of being softened temporarily by moderate heating.

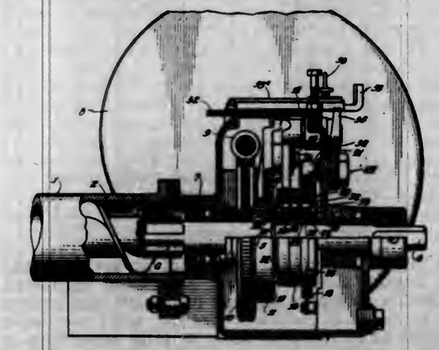
2,204,767
COMBINED INVENTORY AND PRICE TAG HOLDER
Joseph Pavlovic, Jr., Dillonvale, Ohio
Application March 24, 1939, Serial No. 263,990
7 Claims. (Cl. 40—16)

1. A device of the class described comprising a supporting member provided on its face with means for removably supporting a price tag or the like and behind its face with a pocket open at the top for receiving a carrier and permitting vertical adjustments thereof; a carrier vertically



adjustable on said member to positions above or behind the same; means on the face of said carrier for removably supporting an inventory tag or the like; and means for removably mounting said member in display position.

2,204,768
STOKER DRIVE
William W. Peck, Auburn, Ind.
Application January 18, 1937, Serial No. 121,048
7 Claims. (Cl. 74—124)



1. In a stoker drive mechanism, a feed screw drive shaft, power drive means including a driven oscillating member, means associated with said oscillating member and with said drive shaft for translating oscillatory movement of said oscillating member to intermittent rotative movement of said drive shaft, a stop member on said oscillating member adapted to move through an arc during oscillation of said member, and an adjustable abutment for said stop member, including a bar mounted for longitudinal sliding movement along an axis inclined angularly at an angle other than 90° relative to the plane of said arc, said bar having a surface perpendicular to the plane of said arc, comprising an abutment surface for said stop, whereby movement of said bar along its longitudinal axis may shift the position of said abutment surface with respect to said stop member thus to vary the amplitude of oscillatory movement of said oscillating member.

2,204,769
WINDSHIELD FRAME
Albert T. Potter, Detroit, Mich., assignor to Ainsworth Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 10, 1938, Serial No. 234,085
5 Claims. (Cl. 296—84)



1. In combination, a vehicle body having a windshield opening and an inwardly directed flange at the forward edge of the opening, a windshield, a rubber strip extending around the edge of the windshield and having a channel for receiving the edge of the latter with the forward side of the strip abutting the rear side of said flange, a lip portion projecting forwardly from the forward leg of the channel to the front side of the flange, a thin metal molding strip covering the forwardly exposed surface of the lip portion, and means attaching the molding to such lip portion and including a flange on the molding and a slot in the lip portion into which such flange projects, said molding, rubber, and flange being so constructed and arranged that the molding may be applied after the windshield is in place.

2,204,770
SHAKER CONVEYER
Robert E. Rankin, Avalon, Pa., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 2, 1938, Serial No. 188,256
7 Claims. (Cl. 198—220)

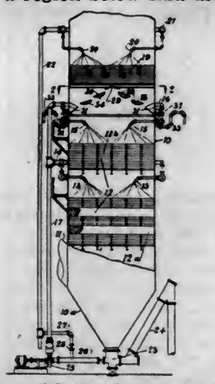


1. An overload release for a shaker conveyer trough line including a yieldable linkage connection between two trough sections in said trough line for permitting telescopic movement of said trough sections with respect to each other upon overload of said trough line including a pair of links pivotally connected together, one of said links being connected to one of said trough sections and the other to the other trough section, means to restrict movement of said links to a dead center position, and a yieldable member adapted to hold said links in extended relation with respect to each other, said member being pivotally connected to one of said trough sections and having pivotal connection with said link which is pivotally connected to said other trough section.

2,204,771
GAS WASHING MEANS
Owen R. Rice and Wilfred C. Schofield, Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application September 25, 1937, Serial No. 165,652
5 Claims. (Cl. 261—111)

1. In a cylindrical tower gas washer, in combination, a lower hot water recirculating stage and an upper cooling stage, means for supplying relatively cool water to said upper cooling stage, diverter means between said stages for

permitting the upflow of gas from said hot water recirculating stage to said cooling stage while preventing the flow of water from said cooling stage down through said hot water recirculating stage, means for adding water to said recirculating stage at a region below said diverter means,



and means for withdrawing water from said recirculating stage below said diverter means, said diverter including a pitched upper surface interrupted along chords whereby the upward flow of gas will aid gravity in directing downwardly flowing water toward the side of said tower.

2,204,772
PLASTIC MATERIAL
Joseph Rivkin, Pittsburgh, and Robert C. Scheib, Avalon, Pa., assignors to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 11, 1937. Serial No. 120,139
12 Claims. (Cl. 106—7)

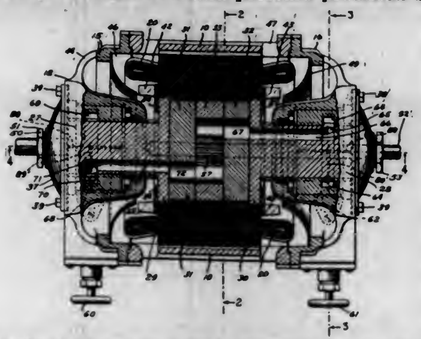
1. As a new article of manufacture, a plastic composition containing a material that is substantially infusible, substantially non-saponifiable, of low solubility in petroleum solvents, and contains inorganic matter, produced as an insoluble residue of the treatment of pure still residue, resultant from fractionation of light oil recovered in by-product coke oven operation, with petroleum solvent, and a tempering agent for said material.

2,204,773
MASTIC FLOOR TILE
Joseph Rivkin, Pittsburgh, and Robert C. Scheib, Avalon, Pa., assignors to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 11, 1937, Serial No. 120,140
4 Claims. (Cl. 106—7)

1. A mastic floor tile composition comprising filler, and a thermo-plastic binder comprising material produced by distillation of oil from pure still residues resultant from fractionation of light oil recovered in by-product coke oven operation.

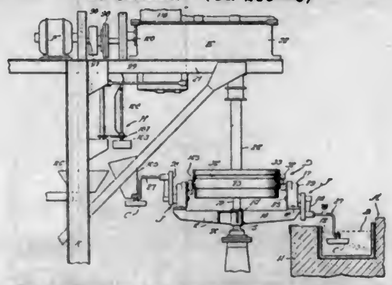
2,204,774
MOTOR
Hugo L. Rusch, Crestwood, N. Y.
Application September 5, 1936, Serial No. 99,507
19 Claims. (Cl. 172—239)

1. A variable speed dynamo electric machine having an armature, a shaft for the armature freely rotatable with respect thereto, fluid actuating means operatively connected to the shaft, means for conducting fluid to and from the fluid actuating means, means for controlling the flow of fluid to the fluid actuating means, and means independent of said controlling means for controlling the fluid flow and pressure produced by



said fluid actuating means, whereby the speed of the shaft may be varied with respect to the speed of the armature and the shaft may be hydraulically connected to and disconnected from the armature.

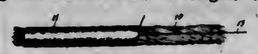
2,204,775
IMMERSION APPARATUS
John Schappi, Ithaca, N. Y., assignor to Morse Chain Company, Ithaca, N. Y., a corporation of New York
Application September 8, 1938, Serial No. 228,956
10 Claims. (Cl. 266—6)



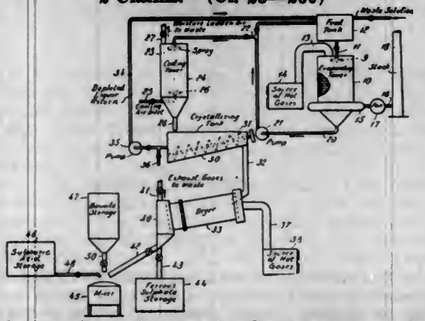
1. In an immersion apparatus, an article-holding basket, a cam follower associated with said basket, a rotatable support on which said basket is carried in a generally circular orbit around a substantially vertical axis, a tank providing a bath registering with a portion of said orbit, a cam member disposed concentric with said axis, having a horizontal dwell adapted to coact with said follower so as to maintain said basket immersed in said bath, and an inclined flight adapted to coact with said follower so as to cause said basket to be raised from said bath, and means for oscillating said cam member so as to impart vertical shaking movement to the basket when subject to the control of said inclined flight, without affecting the basket when it is subject to the control of said dwell.

2,204,776
DECORATIVE MATERIAL
Moses J. Schifrin, Brooklyn, N. Y.
Application August 5, 1939, Serial No. 288,515
9 Claims. (Cl. 57—144)

1. A decorative wrapped cord-like material comprising a substantially cylindrical thick soft core of highly compressible resilient fibrous material and a wrapping consisting of a multi-fiber yarn having no more than a slight twist helically wound about said core continuously in one direction with sufficient overlapping to completely cover the core, said wrapping being loosely applied to the core so as to compress the same only slightly.



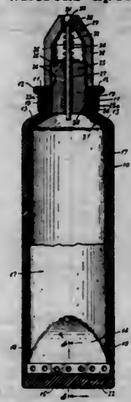
2,204,777
APPARATUS FOR THE RECOVERY OF SALTS FROM AQUEOUS SOLUTIONS
Elias Anthon Cappelen Smith, New York, N. Y., assignor to Guggenheim Brothers, New York, N. Y., a copartnership
Application September 24, 1937, Serial No. 165,462
2 Claims. (Cl. 23—260)



1. Apparatus for use in the recovery of dissolved substances from aqueous solutions comprising an evaporating tower, means for passing a solution downwardly through the evaporating tower, means for passing hot gas through the evaporating tower in direct contact with solution passing downwardly therethrough to effect concentration of the solution, a cooling vessel, means for conducting concentrated solution from the evaporating tower to the cooling vessel, means for cooling concentrated solution within the cooling vessel to a temperature at which a substance in solution therein will crystallize and precipitate, a crystallizing vessel, means for conducting cooled solution from the cooling vessel to the crystallizing vessel, means including a conduit extending from the crystallizing vessel to the evaporating tower for returning depleted mother liquor from the crystallizing vessel to the evaporating tower for further concentration, a dryer, and means for conducting crystallized substance from the crystallizing vessel to the dryer.

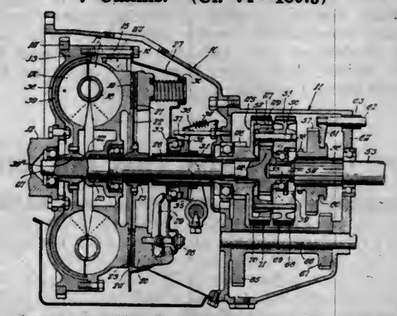
2,204,778
MARKING IMPLEMENT
Fred A. Sturm, Paterson, N. J.
Application February 29, 1940, Serial No. 321,463
5 Claims. (Cl. 120—43)

1. A marking implement comprising a collapsible elastic tubular casing having a neck on one end thereof, the walls of said casing being of such a thickness as to normally retain the body in tubular shape, a tubular container of substantially non-elastic material constituting a container for a marking substance positioned within said casing, said container having a neck extending into the neck of said casing, a nipple received within the neck of said container and projecting outwardly of said container neck and the neck of said casing, a discharge member fitted upon the projecting portion of said nipple through which said marking substance is emitted, a combined marker and closure for the member movably mounted therein and retractable in writing position, means for yieldingly holding the marker and closure in a projected closed position, whereas upon the application of



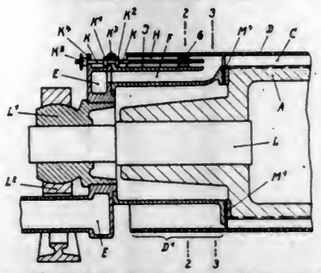
pressure to said casing the shape of both the casing and container therein is deformed causing said marking substance to be forcefully emitted from said container past the retracted marker when the implement is in writing position, said casing upon release of the pressure returning to its normal condition said container retaining its compressed condition.

2,204,779
TRANSMISSION
Benjamin A. Swennes, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 16, 1938, Serial No. 208,099
7 Claims. (Cl. 74—189.5)



1. A speed ratio changing device comprising a friction clutch, a fluid coupling, unitary means for driving both said clutch and said coupling, a planetary gear train, one element of said train being connected to rotate with the fluid coupling, another element of said train being connected to rotate with the friction clutch, a driven shaft, means for connecting at will the third element of said train to the driven shaft, brake means for said second-mentioned element, and means for releasing said friction clutch, whereby neutral may be obtained with the fluid coupling connected to the driving means and the third element of the planetary gear train connected to the driven shaft.

2,204,780
SUCTION ROLL FOR PAPERMAKING MACHINES
Wilhelm Thaler, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co. Inc., New York, N. Y., a corporation of New York
Application November 4, 1937, Serial No. 172,692
In Germany November 6, 1936
1 Claim. (Cl. 92—53)



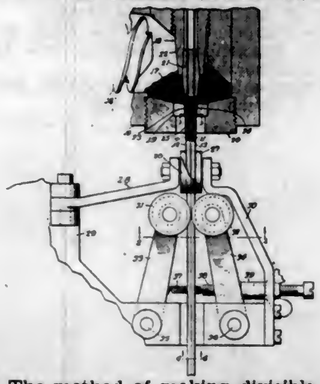
In a suction roll for papermaking machines having a foraminated outer wall, a cell roll therein having longitudinal cells over the entire circumference, and spaced inwardly of the outer wall, and a closure member extending circumferentially around one end of the cell roll for closing the ends of the cells and having an opening of a length substantially equal to a quadrant of the circumference of the cell roll and of a depth substantially equal to the depth of the cells, combined with radially disposed stationary walls spaced apart the distance of said quadrant and extending longitudinally of and within the outer wall, a wall concentric with and spaced from the outer wall and connecting said spaced longitudinal walls, adjustable valve member means closing the space formed by said longitudinal walls, said outer wall, and said concentric wall from the atmosphere, and suction conduit means spaced between said longitudinal walls for acting upon the cells of the cell roll as they rotate and pass the quadrant opening of the closure member and for acting upon the space formed by said longitudinal walls, said outer wall, and said concentric wall between the cells and the valve means, to subject them to a common and substantially uniform suction action.

2,204,781
ART OF PROTECTING COAL AND LIKE
George M. Wattles, Marinette, Wis.
Application July 27, 1939, Serial No. 286,809
11 Claims. (Cl. 44—6)



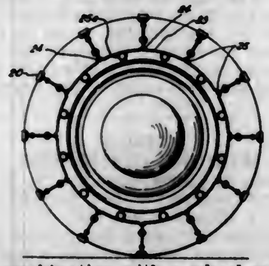
11. The method of protecting a mass of amorphous coal superficially comprising fines in sufficient quantities to prevent internal penetration of the mass by a congealable coating agent, which method consists in melting a normally congealed paraffin compound and spraying it on to the surface of the mass at a rate approximating eight to ten quarts per square and at a temperature such as to congeal promptly upon encountering the surface of the mass, whereby to form a water-excluding envelope over the surface of the mass embedding the surface fines without substantial penetration thereof.

2,204,782
METHOD AND APPARATUS FOR MAKING ELECTRIC CONDUCTOR CORD
Hugo H. Wermine, Villa Park, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 13, 1936, Serial No. 74,053
13 Claims. (Cl. 18—13)



1. The method of making divisible duplex insulation covered electric conductors which consists in feeding spaced conductor wires endwise extruding insulating compound in plactic condition around the moving wires, and, as an incident to the extruding operation, dividing the insulation in a plane intermediate the wires into separate complementary parts, bringing the complementary insulation parts into contact with each other and thereby uniting them by a joint which has a tear resistance less than that of the insulation material.

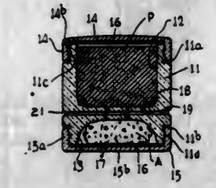
2,204,783
TRACTION DEVICE
William L. Wettlaufer, Buffalo, N. Y.
Application January 25, 1939, Serial No. 252,790
5 Claims. (Cl. 152—233)



1. The combination with a wheel assembly including a brake drum and a resilient tire, of a circular extension on said drum having a peripheral reentrant flange portion formed with a plurality of radially spaced notches, a plurality of traction devices for said tire having securing means at each extremity, one securing means of each device being entered in a notch of said flange portion, a resilient circular ring bent to

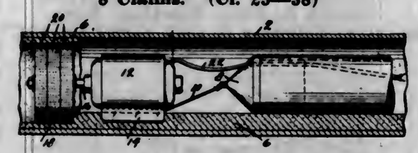
form a plurality of spaced socket portions thereon, said ring being disposed on the outside of the assembly with the remaining securing means being attached to the sockets thereof, said ring being flexible to permit manual application of the securing means under tension.

2,204,784
DOUBLE ENDED JAR OR SIMILAR ARTICLE
Albert Abrams, New York, N. Y.
Application March 14, 1938, Serial No. 195,679
2 Claims. (Cl. 312—31.2)



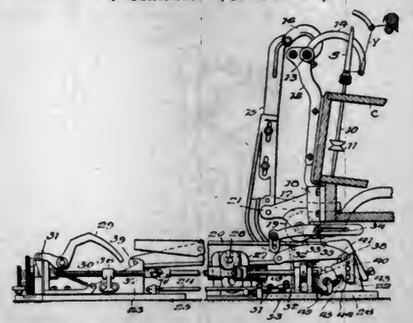
1. A package of the character described comprising a jar formed of a molded, one piece body portion having openings extending in from opposite ends thereof and a separating partition located between said ends to provide chamber-receptacles of unequal size, the rim portion of said ends being rabbeted and formed with screw connections, a moisture dissolving shoe polishing material filling the larger of said chamber-receptacles, an applicator housed in the smaller chamber-receptacle, said shoe polish chamber-receptacle having the end opening thereof at least of as large cross-sectional area as the areas of other cross-sectional portions of said chamber receptacle to give unrestricted access to the interior thereof inwardly from said end opening, and a pair of substantially equal sized shallow cap covers each having flanges seated to engage said screw connections to serve as closures for the receptacles, the caps having main body portions abutting against the ends of the rim portions, at least one of the caps having a substantially flat surface to serve as a base for the package at one end of the jar, the outer surfaces of cap flanges extending even with the outer surface of said body portions.

2,204,785
PROCESS OF AND APPARATUS FOR LINING PIPES
Charles E. Bennett, Ridgewood, N. J.
Application April 7, 1938, Serial No. 200,812
8 Claims. (Cl. 25—38)



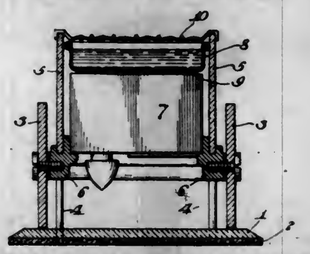
1. Apparatus for lining pipe comprising in combination a conveyor adapted to be drawn into a pipe to be lined to convey lining material into the pipe, means for unloading said conveyor to deposit the lining material substantially uniformly along the bottom of the pipe, a motor attached to said conveyor, and a spreader driven by said motor, whereby as the unloaded conveyor is being withdrawn said spreader will function to distribute the deposited lining material about the walls of the pipe.

2,204,786
AUTOMATIC BUNCH BUILDER
George Bickford, Lisbon, Maine, assignor to Farnsworth Mill, Lisbon Center, Maine, a corporation
Application November 8, 1938, Serial No. 239,565
7 Claims. (Cl. 57—46)



1. In a spinning mule having a builder rail, inclined rail guiding means, and rotatable feeding means for said rail guiding means; a yarn bunching means comprising an auxiliary rail guiding means, means slidably mounting said auxiliary rail guiding means on said first rail guiding means, spring-pressed means holding said auxiliary rail guiding means in operative position, rotatable tripping means for said spring-pressed means, and means connecting said tripping means with said feeding means for rotation thereby.

2,204,787
RADIO ENCLOSURE
Rose Barbara Blanke, Brooklyn, N. Y.
Application January 25, 1939, Serial No. 252,729
1 Claim. (Cl. 116—124.1)

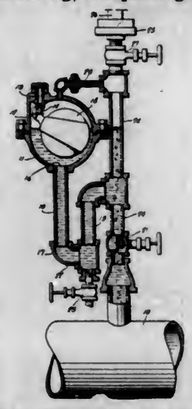


In a device of the character described, the combination of a supporting base, a reflector associated with the upper surface thereof, a box-like formation open at the top and at the bottom, adapted to receive the radio, with its dial facing downwardly, a frame having an inside flange for receiving and supporting the radio, and an outside flange for receiving and supporting the lower edges of the box-like formation, and means engaging the frame and the base, for supporting the frame in spaced relationship above the base.

2,204,788
AIR RELEASE VALVE FOR SEWAGE LINES
Moro M. Borden, Philadelphia, Pa., assignor to Simplex Valve and Meter Company, Philadelphia, Pa., a corporation of Delaware
Application November 27, 1937, Serial No. 176,870
8 Claims. (Cl. 137—69)

7. Air release means for impurity-laden liquid

lines including a main comprising an air release valve, a chamber with which the valve communicates, a float in the chamber controlling the valve, a trap having its longer leg, comprising a conduit connected to the lower end of said chamber, and its shorter leg, comprising a second con-



duit, connected to the main, a stand pipe having its upper end closed and its lower end communicating with the upper end of said second conduit, said stand pipe being provided adjacent its upper end with a vent communicating with the upper end of the air release valve chamber, and means to drain said stand pipe and trap and remove collected foreign matter therefrom.

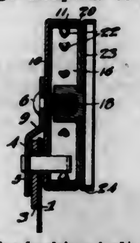
2,204,789
TRICK TOY
Max Bredow, Waterloo, Iowa
Application February 28, 1938, Serial No. 193,115
1 Claim. (Cl. 272—27)



An elastic and resilient percussion toy, consisting of a unitary handle and cross-head having a core of elastic sponge rubber, a resilient wire bent in crossing convolutions therethrough, and a denser wrapping of rubber encompassing said handle and cross-head and adherent thereto.

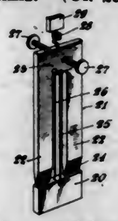
2,204,790
AUTOMOBILE LICENSE PLATE LOCK
William F. A. Buehner, New York, N. Y.
Application August 31, 1939, Serial No. 292,954
7 Claims. (Cl. 40—125)

1. An automobile license plate lock comprising, a back locking plate having prong structure receivable through aligned openings of a license plate and mounting bracket and provided with a locking bolt extending from its forward side and spaced from the prong structure, a lock housing having openings adapted to receive the prong



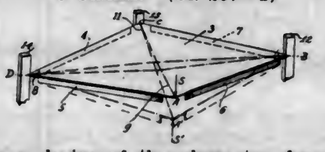
structure and the locking bolt, and locking means rotatable within the lock housing adapted to be turned and tightened upon the locking bolt and having parts adapted to engage the prong structure to hold the locking means against being reversely turned and loosened.

2,204,791
MOVEMENT-PRODUCING DEVICE
Lincoln K. Davis, Brockton, Mass.
Application May 31, 1935, Serial No. 24,180
Renewed May 4, 1939
7 Claims. (Cl. 297—11)



1. A thermostat comprising a support, a pair of elongate members of dissimilar thermal expansibilities and dissimilar cross sectional dimentions, means rigidly securing said elongate members to said support in spaced parallel relation, a movable member, and means rigidly securing said elongate members to the same plane face of said movable member, whereby the centers of action of said elongate members are offset in the direction of movement.

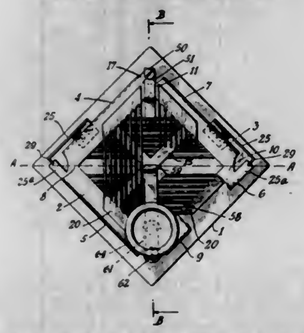
2,204,792
MOVEMENT PRODUCING DEVICE
Lincoln K. Davis, Brockton, Mass.
Application February 6, 1937, Serial No. 124,370
6 Claims. (Cl. 267—1)



1. In a device of the character described, a frame-like member comprising a frame having interconnected relatively stiff portions permitting relative angular movement therebetween, means connected to said relatively stiff portions for providing tension between said relatively stiff portions to obtain overcentering action, means operatively connected to said frame-like member for providing spring action between said relatively

stiff portions, the forces due to said spring and overcentering actions being of such value and combining to give a resultant resistance to displacement of said relatively stiff portions which is of substantially constant value throughout a given range of relative displacement of said relatively stiff portions.

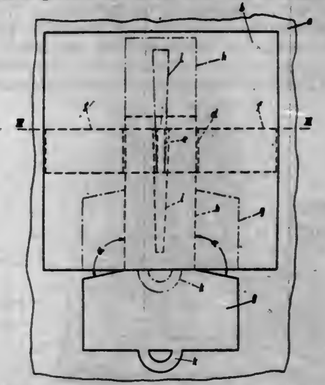
2,204,793
THERMOSTAT
Lincoln K. Davis, Brockton, Mass.
Application February 6, 1937, Serial No. 124,371
Renewed May 3, 1939
14 Claims. (Cl. 297—11)



1. In a thermostat, a base, a frame having relatively stiff sides and flexible corners, a cruciform strap portion connecting opposite sides, means for rigidly fixing three adjacent corners of said frame on said base, leaving the fourth corner free to move, an actuating element secured to said frame in such manner as to cause it to warp out of flatness, a leaf control spring applied to the center of said cruciform strap portion and anchored on said base, an adjusting screw secured to said base for adjusting the tension of said control spring, and stop devices on opposite sides of said free corner to limit the movement thereof.

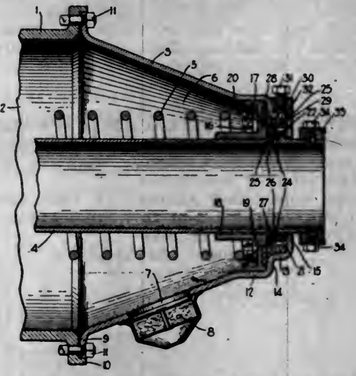
2,204,794
MEMORANDUM DEVICE COMBINED WITH MEANS FOR MOUNTING LAMELLAR ARTICLES
Mathias Dirschl, Hamburg, Germany
Application May 19, 1938, Serial No. 208,881. Renewed April 13, 1940. In Germany May 29, 1937
2 Claims. (Cl. 40—18)

1. A mount for sheet-like articles such as photographs and the like including a memorandum sheet and a mounting strip therefor, said sheet having a substantially rectangular body, a grip tab projecting centrally from one of the longer edges of the body, a relatively narrow extension forming a tongue projecting at right angles from the opposite edge and having a longitudinal slot therein, the upper edge of said body being inclined away from said extension on both sides thereof, said mounting strip comprising a single strip of foldable material folded to provide a central flat loop portion and ends forming a base connected to the loop by a short stem, said stem extending through the slot of the sheet with the head on one side of the tongue and the base portions projecting outwardly from the edges of the tongue, said base portions having adhesive on the side remote from the tongue, the other side of said base portions and the side of the loop remote from the tongue being also provided with adhesive, the portions



of the strip engaging the tongue being free from adhesive.

2,204,795
BRAKE CYLINDER DEVICE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 13, 1938, Serial No. 218,977
8 Claims. (Cl. 308—4)

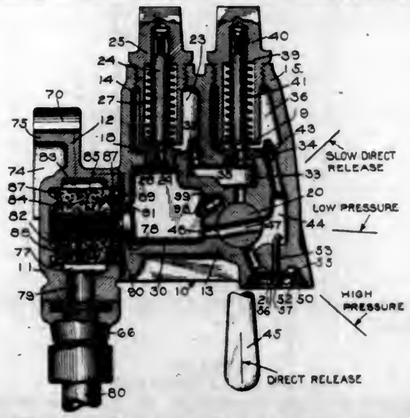


1. A non-pressure head having one end for attachment to the body of a brake cylinder device of the type having a movable piston rod and a brake cylinder piston release spring encircling said rod, said non-pressure head having in the opposite end an axial opening through which said rod extends, and comprising a combined bearing and support element for said rod slidably mounted in said head and forced into abutting engagement with said opposite end of said head by said spring, said opposite end of said head being cooperative with said bearing member to rigidly hold said bearing member against radial movement.

2,204,796
RETAINING VALVE DEVICE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 23, 1939, Serial No. 263,587
5 Claims. (Cl. 303—79)

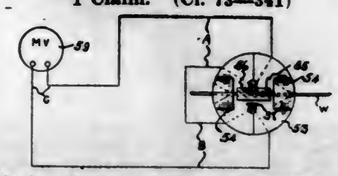
1. A brake cylinder pressure retaining valve

device comprising a pipe bracket having a fluid inlet chamber and an annular rib formed on an interior wall thereof, a body casing having a flange portion adapted to be secured to said pipe bracket, retaining valve means mounted in said casing and selectively operable for controlling the venting of fluid under pressure from said inlet



chamber to the atmosphere, a sealing gasket clamped between the flange portion of the body casing and said pipe bracket and having an annular bead adapted to project into said inlet chamber, and a fluid filtering element interposed between said bead and the rib on said pipe bracket within the path of fluid under pressure flowing toward said retaining valve means.

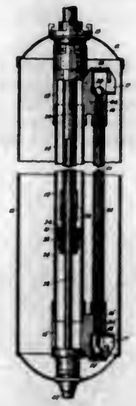
2,204,797
TEMPERATURE MEASURING APPARATUS
Richard L. Fearn, Rockville, Md., assignor to Syncro Machine Company, Rahway, N. J., a corporation of New Jersey
Original application January 19, 1939, Serial No. 251,759. Divided and this application August 2, 1939, Serial No. 287,984
1 Claim. (Cl. 73—341)



A device for measuring the temperature of a moving heated strand comprising a housing through which the strand moves axially and which heats the atmosphere within the housing, a heat conducting tube in said housing through which the strand moves, a thermocouple in contact with said tube, a second thermocouple spaced from said tube and exposed to the atmosphere in said housing, an indicating device, and circuit connections for connecting said thermocouples in series opposition to each other and to said indicating device.

2,204,798
FIRE EXTINGUISHER
George Ennis Ferguson, Spring Valley, N. Y., assignor to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
Application May 10, 1939, Serial No. 272,823
1 Claim. (Cl. 299—98)

In a portable hand operated type fire extinguisher, a closed container for a liquid fire extinguishing medium, a combined pick-up device and double-acting liquid pump in said container, inter-communicating valve means at opposite ends of the container controlling the delivery of liquid to said pump, each said valve means in-



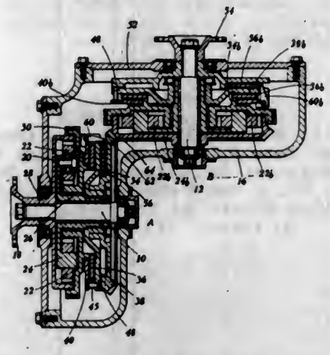
cluding a valve ball adapted to operate in said liquid and having a specific gravity slightly less than the specific gravity of said liquid, and a spacing rod extending between said balls and adapted to operate in said liquid and having a specific gravity approximately the same as that of said liquid.

2,204,799
ANCHOR
Carlton W. Filby, Jefferson, Ohio
Application May 28, 1938, Serial No. 210,716
3 Claims. (Cl. 114—208)



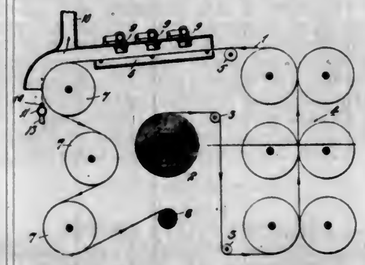
1. An anchor comprising a mushroom; a connecting member mounted centrally in the concave side of said mushroom; a shank; a hinged joint connecting said shank to said connecting member; a spring actuated detent in one member of said hinged joint; and an element on the other member of said hinged joint engaging with said detent, when the detent is in an extended position, to hold said shank normal to said mushroom; said detent and said element having engaging faces, co-operating, responsive to force which tends to break said hinged joint to move said detent to a retracted position, whereby disengagement of said detent and said co-operating element is permitted.

2,204,800
VARIABLE SPEED POWER TRANSMISSION APPARATUS
James Edward Freeborn, London, England, assignor to Freeborn Power Converters Limited, London, England, a British company
Application January 3, 1938, Serial No. 183,164
In Great Britain January 14, 1937
3 Claims. (Cl. 74—260)



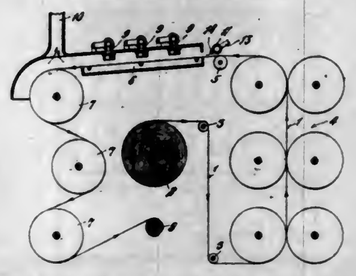
1. Variable speed torque converting power transmission mechanism comprising at least two epicyclic gear trains each having a single driving member and a single driven member and means for varying its speed ratio, the axis of the driven member of one train being in the same plane as but displaced from the axis of the driving member of the other train, and toothed gearing, additional to the gearing of the gear trains themselves, connecting together said driven and driving members.

2,204,801
METHOD AND APPARATUS FOR DRYING COATED AND DECORATED WEBS
Albert E. Gessler, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application June 30, 1937, Serial No. 151,096
6 Claims. (Cl. 34—48)



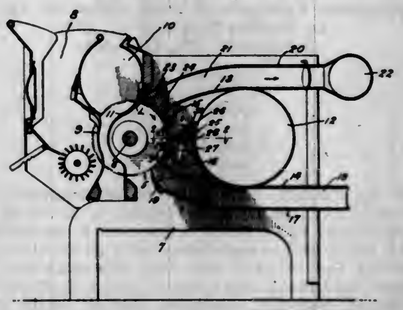
6. The method of removing solvent which is substantially non-volatile at ordinary room temperatures from a web decorated with a composition containing such solvent, which comprises passing the web through a heated oven to vaporize the solvent, passing the web over a curved surface as it leaves the oven with the decorated side out, and directing a sheet of air against the web while it is passing over the curved surface in a plane tangential to the web and in counter current relation to the direction of travel of the web.

2,204,802
MEANS FOR CONTROLLING WEB TEMPERATURES IN PRINTING
Albert E. Gessler, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application June 30, 1937, Serial No. 151,097
8 Claims. (Cl. 34—24)



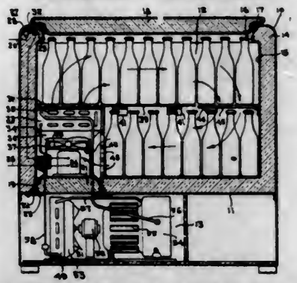
1. The method of drying combustible web material which comprises passing it through an oven containing direct heating means of sufficient intensity to scorce the web material, at a rate of speed such that some scorching would occur in the passage of the web through the oven, and preventing such scorching by flowing air onto the side of the web exposed to the direct heat in the direction of travel of the web, before the web enters the oven at such a point and at such a rate of speed that a film of air travels with the web through the oven.

2,204,803
COTTON GIN AND CLEANER
Dan C. Griffin, Jackson, Miss., assignor to Centennial Cotton Gin Company, Columbus, Ga., a corporation of Georgia
Application November 17, 1938, Serial No. 241,048
3 Claims. (Cl. 19—59)



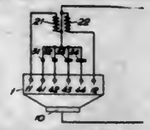
1. In a cotton gin having a rotary saw cylinder and ribbed box, means for cleaning the cotton on the saw and doffing the cleaned cotton therefrom comprising substantially parallel spaced walls extending between the end walls of the gin and terminating adjacent the periphery of the saw in inwardly directed flanges, substantially concentric with the saw cylinder, a combined deflector plate and gate of substantially T-shape in cross section, coextensive in length with said flanges and positioned intermediate thereof with means for supplying a blast of air between said spaced walls, whereby said air blast will be divided by said deflector plate and directed between same and said flanges in opposite directions tangential to the saw cylinder.

2,204,804
BOTTLE COOLER
Harry R. Heintzen, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 13, 1938, Serial No. 224,663
6 Claims. (Cl. 62—102)



5. In a refrigerator, the combination of an insulated chamber having a bottom and a top, an access opening in said top, a cover for said opening, means for cooling said chamber, a shelf spaced from the top and bottom of said chamber to define a food storage space above and below said shelf, said shelf including a movable portion to afford access to the food storage space below said shelf, and fan means for circulating the air in said chamber, said chamber, cooling unit, fan, and shelf being arranged so that said air circulates around said shelf and in contact with said cooling unit.

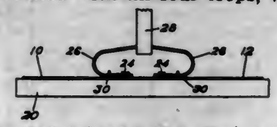
2,204,805
MEANS FOR FORCED COMMUTATION OF CURRENT RECTIFIERS OR CONVERTERS
Uno Lamm and Ake Karsberg, Ludvika, Sweden, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application February 26, 1938, Serial No. 192,739
In Sweden February 27, 1937
7 Claims. (Cl. 175—363)



2. In current converting valve apparatus, a plurality of main valve paths, a plurality of transitional valve paths connected in parallel to each other and to said main valve paths and conducting the current only for commutation between said main valve paths, and condensers of different capacity connected one in series with each of said transitional valve paths.

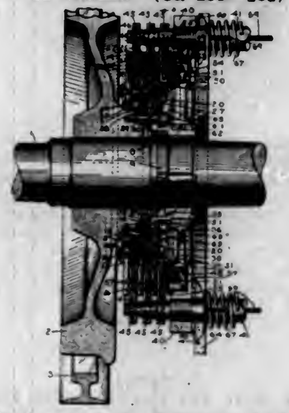
2,204,806
FOLDABLE BRUSH OR SQUEEGEE
John D. Lorenz, Wallace J. Lorenz, and Irvin H. Lorenz, Arlington, Calif.
Application September 19, 1938, Serial No. 230,582
1 Claim. (Cl. 15—119)

A foldable squeegee, comprising a pair of supporting plates, a central plate of lesser extent than the supporting plates having side extensions overlapping each supporting plate, hinges joining the central plate to the supporting plates, loops integral with each supporting plate and with each side extension of the central plate, and a scrubbing element fastened to the under side of the plates, together with a bracket removably associated with all four loops, whereby the



plates are maintained in flat alignment for scrubbing operations, and a handle connected to the upper portion of the bracket.

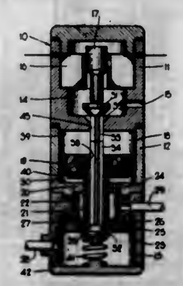
2,204,807
BRAKE MECHANISM
Joseph C. McCune, Edgewood, and George K. Newell, near Pitcairn, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 31, 1939, Serial No. 253,770
31 Claims. (Cl. 188—153)



1. A brake mechanism for a wheel and axle assembly of a railway vehicle truck, said mechanism comprising annular rotatable and non-rotatable friction brake elements disposed in coaxial relation with one of the wheels of said assembly and a brake cylinder device disposed in coaxial relation to said elements and operative to move said elements into frictional engagement for braking said wheel, a structure carrying said elements and brake cylinder device and secured to said axle against axial movement whereby said axle takes the thrust of said brake cylinder device on said elements, and torque means independent of said axle securing said rotatable element to said wheel for rotation therewith.

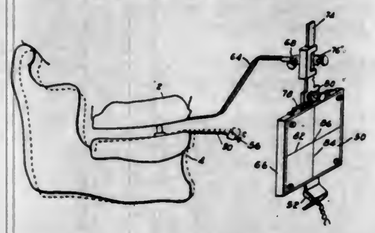
2,204,808
MAGNET VALVE DEVICE
Donald L. McNeal, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 16, 1938, Serial No. 202,582
5 Claims. (Cl. 137—139)

1. A magnet valve device comprising a casing having a chamber constantly connected to a source of fluid pressure, a second chamber to which an outlet passage is connected, a valve controlling communication between said chambers adapted to be maintained seated by the pressure of the fluid in the first said chamber, a third chamber, a movable abutment subject on one side to the fluid pressure in the said second chamber and on the opposite side to the pressure of the fluid in said third chamber, valve means for controlling the supply of fluid under pressure from the first said chamber to the said third chamber to cause said movable abutment to operate to unseat the said valve and for controlling



the release of fluid under pressure from the said third chamber for causing said abutment to operate to seat said valve in response to the pressure of the fluid in said second chamber, and a solenoid for effecting operation of said valve means.

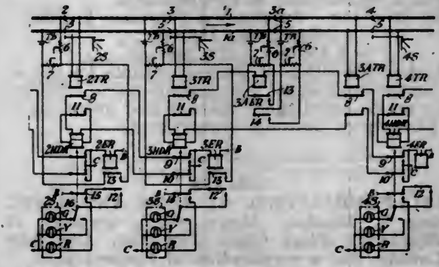
2,204,809
METHOD AND MEANS FOR USE IN DENTISTRY
James S. Miller and Carl Richard Waller, Trenton, N. J.; said Miller assignor to Helene Sylvia Miller, Trenton, N. J.
Application March 1, 1937, Serial No. 128,503
8 Claims. (Cl. 32—32)



1. Apparatus for use in dentistry comprising members adapted to be supported by a patient's mandible and maxilla, a screen carried by one of said members, a source of light located in fixed position with respect to said screen and a mirror secured to the other of said members and positioned to cause a reflection of light from said source to fall on said screen.

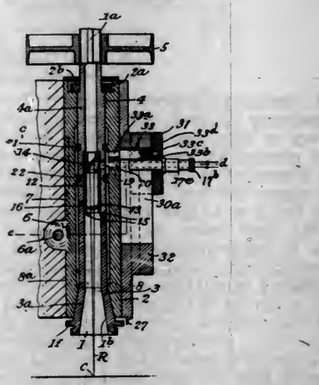
2,204,810
RAILWAY TRACK CIRCUIT APPARATUS
Robert Mills, Kew Gardens, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 12, 1939, Serial No. 267,482
11 Claims. (Cl. 246—41)

1. In combination with a section of railway track, a track relay receiving current from the rails at one end of said section, a source of track circuit current at the other end of said section, a current limiting device at said other end of the section for limiting the current supplied to the rails from said source, an auxiliary relay at said other end of the section, a line circuit for energizing said auxiliary relay including a contact of said track relay, means including a contact of said auxiliary relay effective when said section is unoccupied for increasing the effective value of said current limiting device to thereby increase the shunting sensitivity of said track



section and decrease the power input thereto, and approach control means governed by said auxiliary relay, whereby said auxiliary relay combines the functions of an approach relay and a secondary relay.

2,204,811
CENTERING MEANS FOR DRILLING MACHINE SPINDLES
Georg Möller, Berlin-Neukoelln, Germany, assignor to Herbert Lindner, Berlin-Wittenau, Germany
Original application January 4, 1937, Serial No. 119,042. Divided and this application June 8, 1939, Serial No. 278,133. In Germany August 3, 1936
4 Claims. (Cl. 77—5)

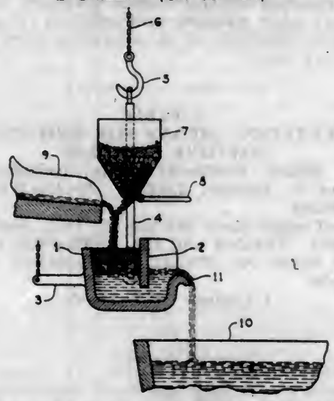


1. In combination with a drilling machine having a head carrying a vertically movable spindle sleeve and having a drill spindle rotatably mounted in said sleeve, said sleeve and drill spindle having alinable sight openings and cooperating means being provided on the head and spindle for indicating alinement of said openings, a tube fixed in the hollow spindle and having an opening registering with the sight opening in the spindle, an object glass at the lower end of said tube, a reflector above said glass and opposite the tube opening, a vertically slotted guide rib on said head, a saddle slidably mounted on said rib, an eye-piece carried by said saddle and movable with the saddle, said eye-piece being normally alined with the sight opening in the sleeve, and means to raise and lower the saddle and sleeve simultaneously.

2,204,812
COMPOSITION OF MATTER AND METHOD OF USING SAME
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application February 3, 1938, Serial No. 188,577
5 Claims. (Cl. 210—2)

1. A composition of matter suitable for use as a flocculation agent comprising ferric chloride as a major constituent thereof and about 0.5 to 10 per cent of titanium tetrachloride.

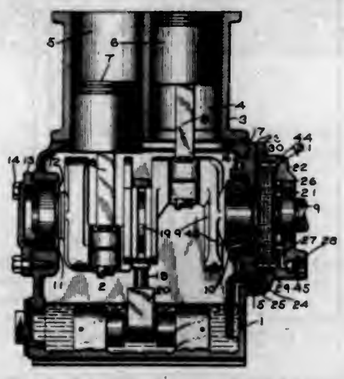
2,204,813
DESULPHURIZATION OF IRON AND STEEL
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 25, 1938, Serial No. 215,872
1 Claim. (Cl. 75—55)



A continuous process for purifying molten iron containing sulphur which comprises establishing a pool of fluid slag containing sodium carbonate in a pivoted tilting ladle, introducing a continuous stream of molten iron containing sulphur into the upper portion of said pool thereby permitting the iron to flow through the pool, the depth of the pool being of such magnitude that the iron is substantially desulphurized as it flows therethrough, maintaining the depth of the pool by adding briquettes of sodium carbonate bonded with a binder of the group consisting of molasses and still residue derived from the distillation of petroleum, continuously withdrawing purified iron from the base of the pool and regulating the rate of flow of iron from the base of the pool by regulating the angle of inclination of the tilting ladle.

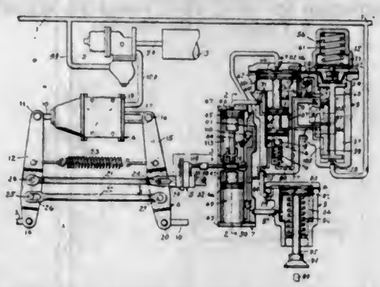
2,204,814
FLUID COMPRESSOR
George K. Newell, near Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 28, 1939, Serial No. 253,318
10 Claims. (Cl. 230—206)

1. In a breather and separator device for a compressor having a closed crank case and at least one main bearing supporting a crank shaft, in combination, a centrifugal type breather and separator adapted to separate oil from oil-laden air passed therethrough, means providing for rotation of said breather and separator when said crank shaft is rotated, and means forming an air exhaust path from said crank case to the atmosphere through which oil-laden air in the crank



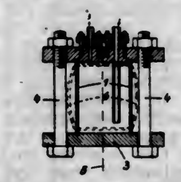
case may pass, said path including passage through both said bearing and said breather and separator.

2,204,815
LOAD BRAKE APPARATUS
George K. Newell, Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 31, 1939, Serial No. 265,246
13 Claims. (Cl. 303—22)



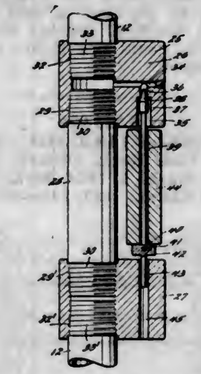
1. In a load brake apparatus having a member provided with two different control positions, and a fluid pressure system operative to effect an application of the brakes in accordance with the position of said member, in combination, an engine for effecting movement of said member to its different positions, a first communication through which fluid under pressure may be supplied to operate the engine to effect movement of said member to one of its two positions, a second communication through which fluid under pressure may be supplied to operate said engine to effect movement of said member to the other of its two positions, means responsive to the pressure of fluid initially supplied to charge the brake system for controlling supply of fluid under pressure to both of said communications, said means being operative below a predetermined pressure to supply fluid to one of said communications and operative above said predetermined pressure to supply fluid to the other of said communications, and means governed by the loaded condition of the vehicle for controlling the flow of fluid under pressure through one of said communications.

2,204,816
SAFETY STRUCTURE FOR HIGH PRESSURE APPARATUS
Hans Niederreither, Munich, Germany
Application March 31, 1937, Serial No. 134,155
In Germany March 31, 1936
9 Claims. (Cl. 137—111)



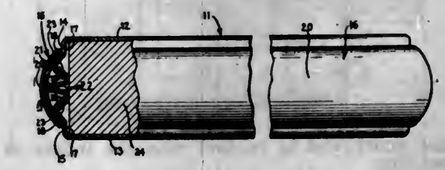
1. A piping system comprising pipe sections having flanged ends, a length of relatively weak and more readily deformable tubing, of a material susceptible to permanent deformation at a predetermined internal over-pressure, positioned between said ends, said ends including shallow recesses for receiving the ends of the tubing and therewith preventing any increase of the diameter of the tubing ends, and means engaged with said end flanges for holding the tubing under compression, said tubing being adapted for resisting normal pressures within the piping system and for permanent yielding at intermediate points of its length under the said internal over-pressure and thereby becoming sufficiently shorter so as to free the said tubing from its recesses, whereby the internal over-pressure is relieved.

2,204,817
MEANS FOR FLOWING WELLS
Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas
Application July 26, 1939, Serial No. 286,683
3 Claims. (Cl. 103—232)



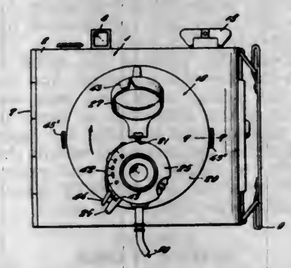
1. A fluid inlet valve for a well flowing assembly having a well fluid flow conduit including, an upper collar having a bore therethrough and adapted to be connected in said conduit, said collar having an inlet opening for admitting fluid into said bore and into said conduit, a valve member for opening and closing said inlet and adapted to be operated by fluid pressure, a lower collar having a bore therethrough and adapted to be connected in said conduit in juxtaposition to said upper collar, a valve stem depending from said valve member and having its lower end engaging said lower collar and arranged to undergo predetermined displacement, and a variable weight removably mounted on said stem to control the actuation of said valve member, whereby an intermittent operation of said member is obtained.

2,204,818
PANEL CONSTRUCTION
Rudolph Obermayr, Astoria, N. Y.
Application July 27, 1939, Serial No. 286,746
9 Claims. (Cl. 189—34)



7. A panel construction comprising a pair of sheets having inwardly extending flanges, each of said flanges having sections thereof providing flat surfaces, and means having at least two points adapted to press against each of the two surfaces on each of said flanges in a direction to hold said pair of sheets together under tension.

2,204,819
CAMERA
Charles F. O'Brien, Hollis, N. Y.
Application November 9, 1939, Serial No. 303,664
5 Claims. (Cl. 95—38)

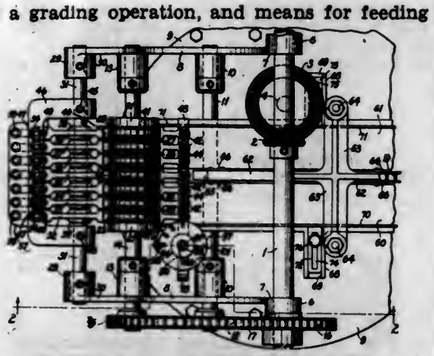


1. In a camera, a casing having a front wall, means in said casing for feeding a film to replace an exposed film section, a turntable embodied in said front wall for rotation thereon, a shutter assembly on said turntable adjustable under rotation of said table into diametrically opposite primary and secondary settings to take pictures on said film upon opposite sides of the longitudinal center of the film, means to automatically lock said shutter assembly against operation in either setting thereof after a picture has been taken, and means to lock said turntable against rotation in the secondary setting of said assembly until the exposed film section has been replaced.

2,204,820
DETECTING MECHANISM FOR SOLE GRADING MACHINES
Dennis Parks, St. Louis, Mo.
Application May 12, 1939, Serial No. 273,215
9 Claims. (Cl. 33—148)

1. Grading mechanism for a sole grading machine comprising, in combination, a bank of grading rollers, means for selectively rendering inoperative any of said grading rollers not required

for a grading operation, and means for feeding



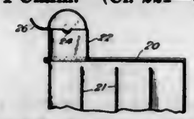
soles under and in contact with the rollers in operation.

2,204,821

DISPENSING CONTAINER FOR PILLS AND THE LIKE

Laurence H. Priddy, Cullison, Kans.

Application August 12, 1937, Serial No. 158,808
1 Claim. (Cl. 221—62)



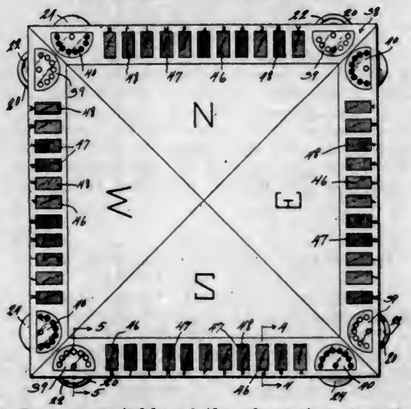
In a dispensing device, a container having a neck-like extension open at its outer end, a normally inverted semi-cylindrical scoop fulcrumed within the extension and constituting means for holding one-half of a portion to be dispensed, yielding means for holding the scoop normally in position to close the extension, and means for swinging the scoop about an axis extending transversely of the extension to move the scoop into open position and to cause the scoop to cut through material accumulated within the extension, thereby to deliver from said extension an amount of material substantially equal to the amount contained within the scoop.

2,204,822

BRIDGE TABLE

Leland O. Quillin and Roy L. Cook, Matoaka, W. Va.

Application June 6, 1939, Serial No. 277,724
12 Claims. (Cl. 273—136)



1. In a card table of the character described, a rectangular body providing a playing surface, means at one end of each of the four side edges of the body for selectively indicating a suit bid, means at the other end of each of the four side edges of the body for indicating the number of tricks contracted for, means extending along each of the four side edges of the body between each pair of indicating means for receiving a number of hands of cards and supporting the hands with the ends thereof exposed for selective removal, each of said hand receiving means having a light transmitting panel lying thereover and forming a part of the playing surface, and means for illuminating each of said panels, which is so constructed and arranged that the said hands of cards when in the receiving means therefor shut off the illumination from the panels and when removed allow the illuminating means to illuminate the panel.

2,204,823

COMPOSITE ELECTRODE FOR PROTECTING BURIED METALLIC STRUCTURES FROM CORROSION

George I. Rhodes, Glen Ridge, N. J.

Application July 17, 1935, Serial No. 31,950
1 Claim. (Cl. 204—1)



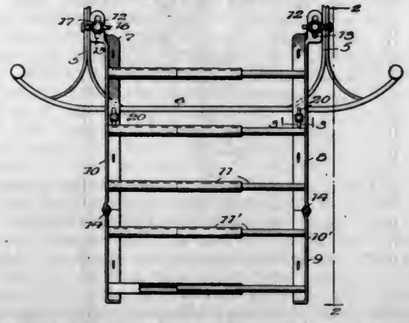
A composite electrode adapted for use in the prevention of corrosion of underground metallic structures, said electrode being of rod-like form and having a zinc tube lined with a tube of metal electrically positive to zinc and provided with means for preventing soil water from coming into contact with the interior of said last named tube, the walls of said zinc tube being of a thickness substantially greater than that of said lining tube, and said tubes being adherently attached substantially throughout the length of said zinc tube, whereby all portions of said zinc tube are maintained in electrical contact with said lining tube even though said zinc tube be severed in a plurality of places.

2,204,824

COLLAPSIBLE LUGGAGE CARRIER

John Paul Rock, Duluth, Minn.

Application March 5, 1938, Serial No. 194,169
1 Claim. (Cl. 224—29)



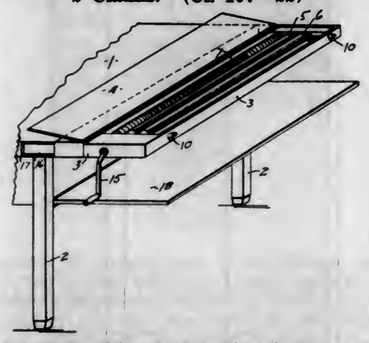
A luggage carrier for attachment to the bumper bar and bumper arms of a motor vehicle, including a carrier frame, the sides of which are extended at one end, said frame adapted to rest on top of the bumper bar and to be anchored to the latter, a hook for, and slidably engageable with either side of each bumper arm, the shank of the hook extending through and rotatably mounted in one of the extended ends of the frame, the frame consisting of laterally movable sections to permit engagement of the hooks with the bumper arms from different sides of the latter.

2,204,825

DOUGH ROLLING AND CUTTING DEVICE

Pietro Antonio Rossi, Youngstown, Ohio

Application February 13, 1939, Serial No. 256,056
2 Claims. (Cl. 107—22)



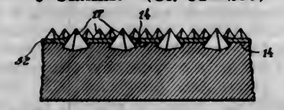
1. A dough rolling and cutting device comprising a rectangular frame, a plurality of rolls positioned in the said frame by means of shafts extending from the ends of the said rolls and engaging slot-like openings in the said frame, means for moving the rolls in relation to the slot-like openings in the said frame so as to vary the pressure of the rolls upon each other, the said means comprising threaded bolts functioning in threaded openings in the said frame and having their inner ends journaled upon the shafts of one of the said rolls, gears positioned on the said shafts and a crank positioned on one of the said shafts providing for the rotation of the said rolls, dough scraping means formed on the said frame and positioned adjacent to the said rolls and comprising flat scraper bars engaging the surfaces of the said plain rolls and a comb-like scraper bar engaging the said knife roll between the individual circular knives thereof and means for attaching the rectangular frame to the end of a table.

2,204,826

GRINDING TOOL

Hermann Schneider, Berlin-Neukolln, Germany, assignor of one-half to Julius Pintsch K.-G., Berlin, Germany

Application May 26, 1939, Serial No. 275,968
In Germany June 1, 1938
6 Claims. (Cl. 51—280)



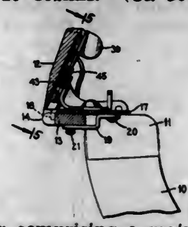
1. A grinding tool consisting of an aluminium carrier and grains of grinding material pressed into the said carrier, the tips of all the grains of grinding material standing out freely above the surface of the carrier and being located in an imaginary surface which is equidistant from the carrier surface and is complementary in form to the surface to be ground by the tool, and the embedding of the aluminium carrier comprising a layer of oxide consolidating the embedding of the grains of grinding material.

2,204,827

RAZOR

Thomas C. Sheehan, Montclair, N. J., assignor to Durham Duplex Razor Company, Mystic, Conn., a corporation of New York

Application March 28, 1938, Serial No. 198,350
10 Claims. (Cl. 30—63)



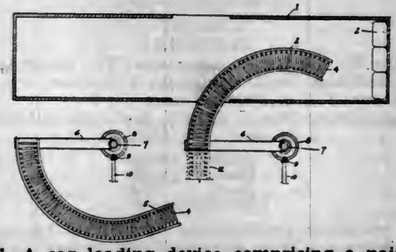
1. A razor comprising a main head including a guard plate, a blade carrier mounted on said head for both pivotal and sliding movement, means providing a pair of projections adjacent each end of said carrier for retaining a blade on said carrier, and lever means for locking said carrier in place on said head while retaining a blade against said guard plate.

2,204,828

CONVEYER

Alvan C. Sherrill, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application May 6, 1938, Serial No. 206,392
2 Claims. (Cl. 193—35)



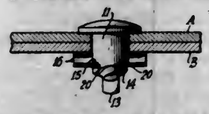
1. A car loading device comprising a pair of helically curved conveyer arms each mounted to be swung in substantially circular arcs through the door of a car but in opposite directions, said arcs intersecting, and an auxiliary conveyer for supplying matter to be loaded to said conveyer arms adjacent to intersection of said arcs.

2,204,829

FASTENING DEVICE

Winsor Shippee and Carl C. Shippee, Red Bank, N. J.

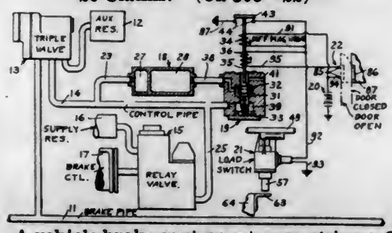
Application May 28, 1938, Serial No. 210,553
8 Claims. (Cl. 85—1)



1. A fastening device comprising, in combination, a spring plate member having an opening

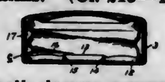
therethrough, and a bolt member provided with eccentric threads adapted to engage in said opening and expand said plate member and thereby to have interlocking relation therewith.

2,204,830
EMPTY AND LOAD BRAKE DEVICE
John J. Sinclair, Montclair, N. J., and Samuel L. Williams, New York, N. Y., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 22, 1938, Serial No. 231,188
26 Claims. (Cl. 303—22)



1. A vehicle brake equipment comprising a fluid pressure operated valve device operative according to the pressure of the operating fluid to control the degree of application of the brakes, means for causing a given quantity of fluid under pressure to be supplied to said valve device to effect operation thereof, means providing a plurality of chambers each of constant volume, and means operative to selectively render one or more of said chambers effective, during application of the brakes, to receive fluid under pressure supplied to operate the valve means to vary the pressure of the operating fluid for said given quantity to thereby vary the degree of application of the brakes.

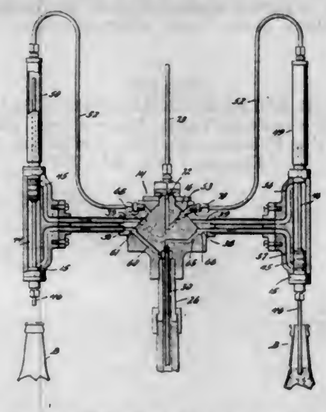
2,204,831
CLOSURE
Henry W. Snodgrass, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application March 2, 1938, Serial No. 193,404
5 Claims. (Cl. 215—43)



4. A double shell closure comprising an inner cap having a skirt provided with means for removably securing the closure to a receptacle, an outwardly extending flange on the skirt of the cap, said flange lying substantially normal to the axis of the cap, certain portions of the flange of extended surface area being deformed and out of the plane of other portions of the flange, said portions being connected at a relatively abrupt angle whereby a substantially axially extending abutment is formed between areas in one plane and areas in another plane, an outer shell telescoped over the inner cap, the skirt of the shell being deformed about and cooperating with the flange to prevent relative rotation of the cap and shell.

2,204,832
APPARATUS FOR PACKAGING BEVERAGES
Robert J. Stewart, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application April 13, 1939, Serial No. 267,701
10 Claims. (Cl. 226—68)

1. In an apparatus for injecting gaseous fluid into beverage containers, a stationary element, rotatable means to move containers about said element, a turret rotatable with said means, a plurality of injecting nozzles vertically reciprocable on said turret, and means to reciprocate said nozzles, supply injecting fluid thereto, and heat such fluid during flow of the latter adjacent said nozzles.

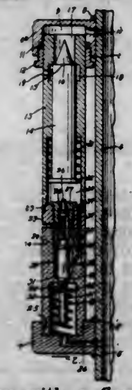


2,204,833
METHOD OF PACKAGING BEVERAGES
David B. Stone, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application April 13, 1939, Serial No. 267,641
7 Claims. (Cl. 226—68)



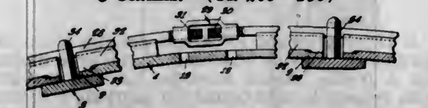
1. The method of packaging in receptacles readily foaming beverages containing a gas, such as carbon dioxide, which comprises partially filling a container with the beverage in an atmosphere containing air whereby the space in the receptacle above the beverage will contain air and immediately prior to sealing the receptacle agitating the beverage in the receptacle to cause a part of the gas in the beverage to be liberated by bringing into contact with the beverage a gas heated sufficiently and under sufficient pressure to agitate the beverage and cause it to release gas in the form of foam and thereby expel at least a part of the air from the space above the beverage, and then sealing the container.

2,204,834
GAS LIFT VALVE
Clyde V. Temple, Tyler, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application October 8, 1936, Serial No. 104,613
15 Claims. (Cl. 103—232)



1. In combination with a flow line positioned in a well, a gas lift pumping device, including, a pressure actuated main valve for controlling the admission of gas into the flow line, and a pilot valve for controlling the pressure acting on said main valve to actuate the same, said pilot valve being subject in its operation to variations in pressure in said flow line.

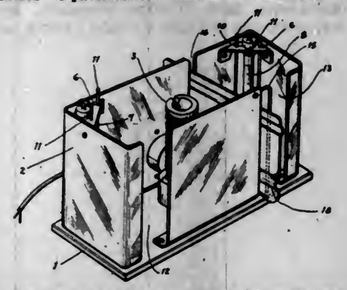
2,204,835
TROMMEL SCREEN CONSTRUCTION
John A. Traylor, Denver, Colo.; Edna T. Eisenhand, Tessie S. Traylor, and John B. Traylor, coexecutors of said John A. Traylor, deceased
Original application February 26, 1936, Serial No. 65,933. Divided and this application May 24, 1938, Serial No. 209,706
5 Claims. (Cl. 209—399)



4. In combination with a trommel screen having a skeleton drum including a plurality of spanners distributed in spaced relation about the drum and screen plates extending between the spanners, the spanners having foot portions constituting shelves upon which the edges of adjacent screen plates may rest, means for clamping the plates upon said spanners including means forming a tie rod extending circumferentially about said drum, and clamping blocks interposed between said tie rod means and the outer surface of said plates at each of said spanners, and shoes interposed between said tie rod means and the outer surfaces of said screen plates intermediate adjacent spanners to reinforce the plates between the clamped edges thereof.

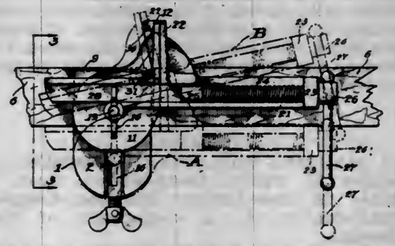
2,204,836
INSULATION TESTING INSTRUMENT
Robert Waldo, New York, N. Y., assignor to American Flange & Manufacturing Co., New York, N. Y., a corporation of Illinois
Application June 1, 1937, Serial No. 145,781
4 Claims. (Cl. 73—51)

3. A device for testing insulating materials comprising a base, an upstanding wall of heat reflecting material surrounding said base, a heat source mounted in the center of said base, temperature indicating devices carried by said wall at points equidistant from said heat source,



guide means on said base and said wall for receiving and mounting insulating materials to be tested between said heat source and one of said indicating devices, said wall being removed at spaced points for facilitating reading of said temperature indicating devices.

2,204,837
PORTABLE VISE
John A. Waller, Beverly Hills, Calif.
Application September 3, 1938, Serial No. 228,359
3 Claims. (Cl. 81—41)

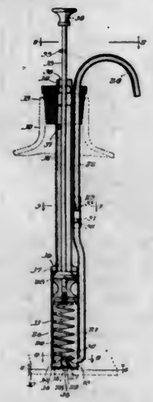


1. A portable vise which comprises: a base member provided with a clamp portion for attachment to a support, and having an elongated slot in one side thereof; bolt means extending through said slot; a sub-base member provided with a hub portion disposed over said bolt means and carrying a vise assembly; a plurality of spaced lugs disposed radially about one side of said hub member and directed toward said base member; a longitudinally extending lug on said base member extending along each side of said elongated slot and adapted to engage between said spaced lugs on said sub-base member; and means for clamping said sub-base member to said base member to cause the respective lug means on said base member and sub-base member to be in positive engagement.

2,204,838
SELF-MEASURING LIQUID DISPENSER
Adolph D. Walstrom, Chicago, Ill.
Application April 15, 1939, Serial No. 268,111
8 Claims. (Cl. 221—103)

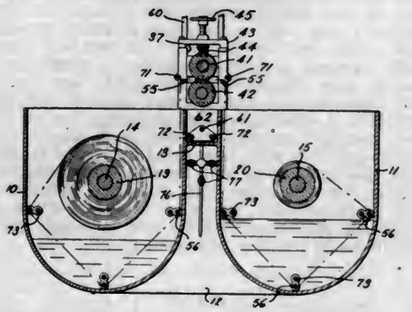
1. In a liquid dispenser of the kind described, a closed container having a top filler opening, a closure member for said opening, a tube positioned in the container and having its upper end terminating in the closure member, a closed casing providing a pump chamber connected with said tube, a piston reciprocally movable in said

chamber, a plunger rod having its lower end connected with said piston and its upper end projecting from said tube, a discharge conduit having one end opening into the lower end of said chamber and its other end providing a discharge spout adjacent said closure member, an inlet check valve at the bottom of said casing, an out-



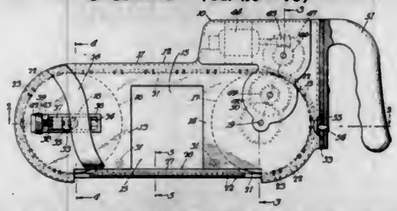
let check valve in said conduit, and stop means selectively operable for limiting said piston strokes to a plurality of permissible maximum lengths whereby the amount of liquid delivered through the conduit by a selected maximum downward stroke bears a constant ratio to the amount delivered by the others of said plurality of maximum lengths of piston strokes.

2,204,839
MACHINE FOR DYEING FABRICS
Frederick C. Wedler, Easthampton, Mass., assignor to Duo-Dyeing Machine Company, Charlotte, N. C., a corporation of North Carolina
Application June 28, 1938, Serial No. 216,246
3 Claims. (Cl. 68—180)



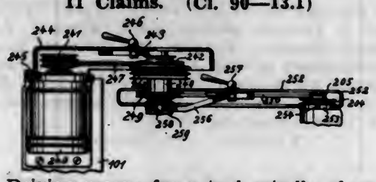
1. In a cloth dyeing machine, a pair of adjacent tanks, a padder box interposed between the tanks, a pair of positively driven nip rolls located above the padder box, means for draining the padder box into either of the tanks or to the outside, a frictionally driven wind-up roll located within each tank, and guide members positioned one on either side of the nip rolls, one within the padder box, and one or more within each tank and adjacent the bottom thereof.

2,204,840
CONVERTIBLE FILING MACHINE
Leighton A. Wilkie, Minneapolis, Minn.
Application August 28, 1937, Serial No. 161,366
In Great Britain April 20, 1937
3 Claims. (Cl. 29—76)



1. A convertible filing tool and filing machine comprising a frame, movable abrading means carried by said frame, power operated mechanism on said frame for operating said means, a supporting base, and means including one element of a dove-tail joint on one end of said frame for attaching a handle thereto to form a hand tool or for attaching said frame in an upright position to said base to form an abrading machine.

2,204,841
DRIVING MEANS FOR ENGRAVING AND COPYING MACHINES
Kurt Zwick, Munich, Germany, assignor to Friedrich Deckel, Munich-Prinz Ludwigshoe, Bavaria, Germany
Original application March 28, 1936, Serial No. 71,483, now Patent No. 2,176,193, dated October 17, 1939. Divided and this application April 16, 1938, Serial No. 202,567
11 Claims. (Cl. 90—13.1)

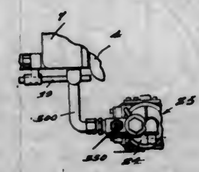


1. Driving means for a tool spindle of an engraving or copying machine of the type including a frame, means mounted on and movable with respect to said frame for carrying a cutting tool spindle, and a driving pulley operatively connected to said spindle, said driving means comprising a motor mounted on said frame and having an approximately vertical main shaft, a driving pulley mounted on said main shaft, a belt housing mounted adjacent said motor for oscillation in an approximately horizontal plane about an axis substantially concentric with said main shaft and projecting a substantial distance laterally from said shaft and restrained against downward tilting movement relative to said shaft and plane, a slide mounted on said housing for movement toward and away from said main shaft, pulley means mounted on and deriving its support from said slide, a belt running over said pulley means and driving pulley on the motor shaft, and a second belt running over said pulley means and said driving pulley on the spindle.

2,204,842
INTERNAL COMBUSTION ENGINE
Charles S. Brown, Syracuse, N. Y.
Application April 22, 1938, Serial No. 203,631
1 Claim. (Cl. 123—119)

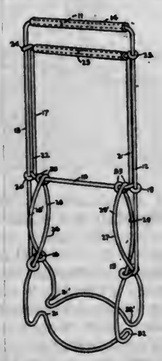
In a four cycle internal combustion engine.

a cylinder having valve controlled air intake and exhaust ports, a piston movable in the cylinder, a crank shaft and connecting rod, the cylinder also having a fuel intake port, a valve for controlling the last port, means for compressing a charge of a combustible mixture relatively rich in fuel including a compressor unit including a movable member actuated by the engine and timed to be at the height of its compression stroke when the engine piston is approaching the end of its compression stroke, and conduit means connecting the compressor unit directly



with the fuel intake port of the engine cylinder, a carburetor for regulating said mixture mounted on and connected to the intake side of the compressor, and valve mechanism operated by the engine for opening the fuel intake valve while the engine piston is approaching the end of its compression stroke, allowing the cylinder to receive the full charge of said compressor unit, and a spark plug for firing the rich mixture charge, the spark plug being located outside of the compression chamber of the cylinder and arranged to fire the charge before the same passes through the fuel intake port.

2,204,843
LIFTER
Henry L. Campbell, Coulee City, Wash., assignor of one-half to Harry C. Lewis, Mazama, Wash.
Application October 17, 1938, Serial No. 235,457
1 Claim. (Cl. 294—31)



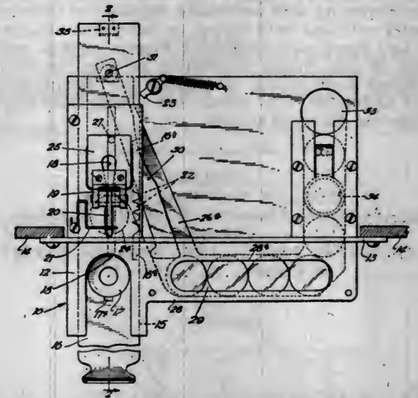
A lifter comprising an inverted U-shaped wire frame forming a handle at its closed end and having guide loops formed of the material of the frame at the terminal ends of the depending legs, a rectangular slide frame comprising side bars and top and bottom cross bars and loops formed at the junctures of the side bars with the top and bottom bars around the legs of the U-frame, and a pair of arcuate jaws pivotally supported from the bottom cross bar of the slide frame and having ogee shaped side members passing through the guide loops and cooperating therewith whereby movement of the slide frame opens and closes the jaws.

2,204,844
DRILLING AND CORING APPARATUS
James F. Chappell, Mineola, Tex.
Application December 5, 1938, Serial No. 244,002
15 Claims. (Cl. 255—72)



1. A drilling and coring apparatus including, a rotatable drill pipe, means for rotating said pipe, a drill bit having an axial opening threaded onto the lower end of the drill pipe and rotatable therewith, a reciprocating element mounted within the drill pipe, an inner bit insertable through the drill pipe and adapted to extend below the outer bit, means for connecting the inner bit with the reciprocating element, and means for imparting a reciprocating motion to said element to reciprocate the inner bit when the drill pipe is rotated.

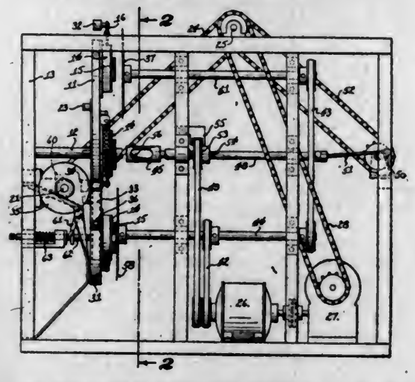
2,204,845
VISIBLE COIN SLIDE STRUCTURE
Arvid Dahlstrom, Chicago, Ill., assignor to James E. Johnson, Chicago, Ill.
Application June 24, 1938, Serial No. 215,557
2 Claims. (Cl. 194—98)



1. A coin slide structure comprising a casing adapted to be attached to a wall of a cabinet with portions disposed at each side of said wall, a coin receiving passage in said casing extending from the outer to the inner portion thereof, a second coin passage having intake and outlet ends located inwardly of the wall and an intermediate portion provided with a coin exhibiting opening located exteriorly of said wall, reciprocable means in said first passage for transferring

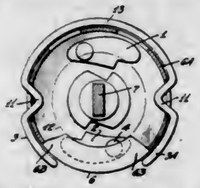
inserted coins inwardly of the same into the intake end of said second passage, and means pivotally secured to and operable by said means for moving a transferred coin into a position of visibility into said intermediate section on the return stroke of said reciprocable means and progressively along said sight opening in said passage to the outlet end thereof during succeeding return strokes of said means.

2,204,846
ARTICHOKE TRIMMING MACHINE
Louis Dotta, San Jose, Calif., assignor to Pratt-Low Preserving Company, Santa Clara, Calif., a corporation of California
Application May 22, 1937, Serial No. 144,280
3 Claims. (Cl. 146—81)



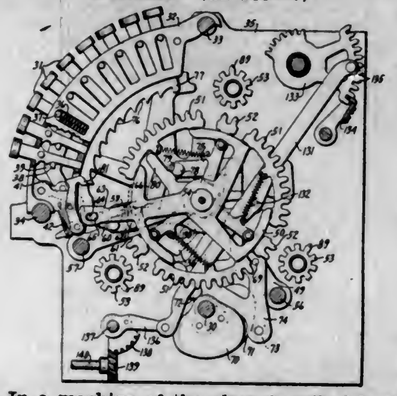
1. An artichoke trimming machine comprising a turret, a chuck carried by said turret for holding an artichoke, said chuck having a plurality of relatively movable jaws, each jaw having a semi-cylindrical portion formed to grasp the stem of the artichoke and an outwardly flared end portion formed to support the butt thereof, means for trimming said artichoke, means for intermittently rotating said turret to carry the artichoke to and from said trimming means, means operated by the rotary movement of said turret for opening said chuck to permit the discharge of said artichoke, and means for closing said chuck while the turret is at rest.

2,204,847
ROLLER WINDOW SHADE
Richard Henry Ebsworth, Honolulu, Territory of Hawaii
Application June 17, 1938, Serial No. 214,242
8 Claims. (Cl. 156—35)



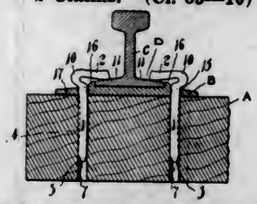
5. In roller window shades a roller, a ferrule on the end of said roller, apertures in said ferrule, and a member adjustable relatively to said roller and having portions which enter said apertures to contact pawls within said ferrule.

2,204,848
CASH REGISTER
Willis E. Eickman, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application October 5, 1936, Serial No. 103,968
8 Claims. (Cl. 235—7)



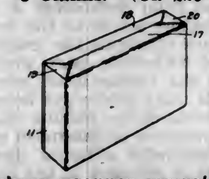
1. In a machine of the class described having a driven accounting element and a driver therefor, the combination of a latch engageable with and disengageable from said driver; a member carrying said latch; an actuator for said driven accounting element; and means for connecting the actuator and the latch by which the actuator controls the disengagement of the latch.

2,204,849
RAIL RETAINING DEVICE
Charles G. Ericson, Toronto, Ontario, Canada
Application October 13, 1938, Serial No. 234,774
2 Claims. (Cl. 85—10)



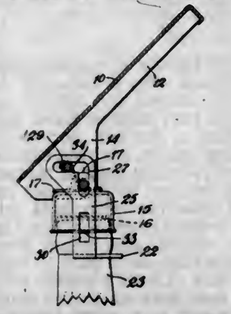
1. A resilient retaining device for rails with flanged bases comprising a solid shank of suitable dimensions in length and cross-section and adapted for use in a vertical position, and an upper portion bent outwardly in a direction away from the rail with which it is used and laterally of the vertically disposed shank to form a heel shaped projection and which upper portion is curved upwardly and inwardly in the direction of the rail to overhang in spaced relation the shank portion and extend inwardly with its free end in position for engagement with the upper surface of the rail base flange at a suitable distance inwardly of the vertically disposed shank so that the flexing of the said upper portion may take place when the shank is driven into a sufficiently tight fitting hole in a tie, the shank being formed with two reversely bowed portions, a short outwardly convex bent portion for engagement with the outer wall of a spike hole in a tie plate and a longer bent portion bowed in its initial condition so as, when driven, to press with its convex side against the rail side of a pre-bored hole in a tie on which the tie plate is superimposed.

2,204,850
PACKAGE
Hilarión Escobales, Staten Island, N. Y.
Application August 5, 1937, Serial No. 157,612
Renewed April 21, 1939
3 Claims. (Cl. 229—37)



3. A package wrapper comprising a flat sheet of material substantially forming a continuous rectangle, with a relatively narrow tab extending from one side directly opposite a similar shaped recess in the opposite side, and with said tab adapted to be formed from the recess of a corresponding wrapper, with the wrappers formed from a continuous sheet of material; said tab forming an extension adapted to extend upward against the material of the wrapper at the opposite side of a package, and then folded downward upon the upper end of the package, with the material of the opposite side folded thereover so that both the tab and material of the opposite side are folded down upon the end of the package, providing sealing means for the said package.

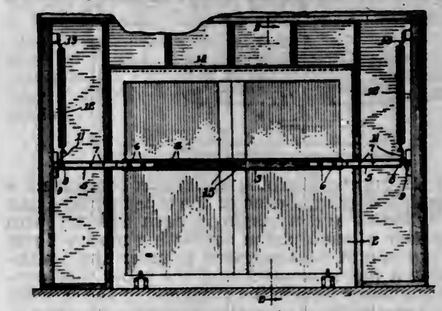
2,204,851
BOTTLE CAPPER
Thomas Farmer, Mamaroneck, N. Y.
Application August 11, 1939, Serial No. 289,555
6 Claims. (Cl. 226—84)



1. A device of the class described comprising an operating lever, a sealing member pivotally connected to said lever, a yoke provided with arms extending at an angle from the ends of said yoke, pivotally connected to said lever and slidably connected to said sealing member, said pivotal connections being so disposed that pivotal movement of said lever about said sealing member produces a relative movement between said yoke and said sealing member in a substantially straight line direction.

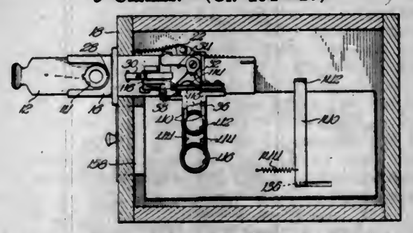
2,204,852
GARAGE DOOR CONSTRUCTION
William D. Ferris, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois
Application August 26, 1936, Serial No. 97,876
2 Claims. (Cl. 20—16)

1. In a garage construction of the class wherein a door is mounted to swing bodily from a vertical closed position to overhead horizontal open position, the combination of means mounting said door in the front wall of the garage, said means being adjustable to different door and front wall widths and comprising a sectional frame including a center channel iron having its web bolted horizontally across the inside of the door and end channel irons telescopically adjustable thereon and secured in adjustable relation to the center channel iron by bolts passing through openings in the engaged part of said irons including slotted openings and extending beyond the ends thereof and each terminating in a rearwardly directed right angle rigid arm, and means for pivotally mounting each of said arms on the adjacent ga-



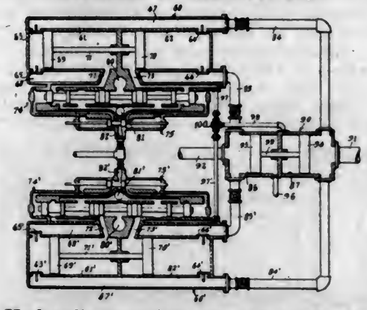
rage side wall so that the door is movable about said pivots into an overhead open position with said frame forming the sole and only support for the door when the latter is in said open position, thereby obviating the use of tracks for the door while providing adjustability of the frame on the door, the telescoping portions of the center and end channel irons and the bolts therein forming means by which said arms are made absolutely rigid with the door, with a plurality of bolt holes in each end channel iron, so that the bolts in the telescoping portions may be differently positioned in accordance with the adjusted distance between said arms, obviating any pivotal action between the arms and the door.

2,204,853
COIN OR TOKEN HANDLING APPARATUS
Emil Goodman, Chicago, Ill., assignor, by mesne assignments, to James E. Johnson, Chicago, Ill.
Application January 6, 1936, Serial No. 57,725
9 Claims. (Cl. 194—10)



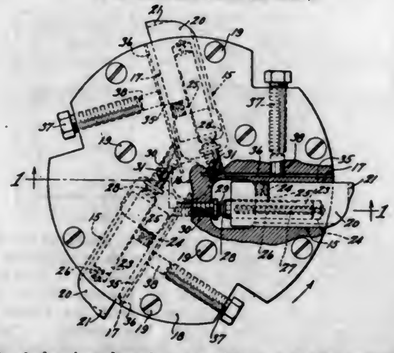
1. In a coin or token handling apparatus, the combination of a plurality of coin magazines, a common coin ejector movable between a position in which it receives coins or tokens from the magazines and a position in which the coins or tokens are discharged from the ejector, and a shutter movable below said ejector to prevent coins or tokens from one magazine from being discharged from the ejector while permitting free discharge from the ejector of coins or tokens from another of the magazines.

2,204,854
PUMPING APPARATUS
Allen E. Hambly, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application July 18, 1938, Serial No. 219,799
12 Claims. (Cl. 103—52)



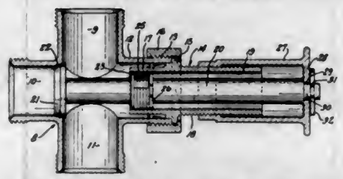
1. Hydraulic pumping apparatus comprising a plurality of pumps, each of the type having a pair of cylinders and a piston in each cylinder with one face of each piston contacting motive liquid in one end of its associated cylinder and constituting a motor element and the other face contacting pump fluid in the other end of the cylinder and constituting a pumping element, the two pistons of each pump being interconnected for movement in unison, pump liquid suction and discharge connections to said other end of each cylinder, said discharge connections being interconnected, motive liquid inlet and outlet connections to said one end of each of said cylinders, the motive liquid inlet connections being interconnected, and a single surge means connected to said pumps, said surge means comprising a cylinder, a piston reciprocable therein, a connection between one end of said surge cylinder and said interconnected pump discharge connections and a connection between the other end of said surge cylinder and said interconnected motive liquid connections.

2,204,855
BORING HEAD
Francis P. Healy, Springfield, Mass., assignor to Van Norman Machine Tool Company, Springfield, Mass., a corporation of Massachusetts
Application November 5, 1937, Serial No. 172,879
4 Claims. (Cl. 77—58)



1. A boring head comprising a body rotatable around a fixed axis, a plurality of outwardly opening tool receiving guideways therein, said guideways lying in a plane perpendicular to the axis of rotation, an abutment associated with each guideway, a single extensible fly-cutting boring tool receivable in each of the guideways and having an abutment positioned for contact with the abutment associated with its guideway, the cutting edges of each of the several tools being axially spaced from each other so as to permit progressive cutting action on the work, means carried by each tool for fixing the length between its abutment and its cutting edge while the tool is removed from the boring head independently of the other tools, said guideways being so positioned that the locus of the cutting edge of each tool for different degrees of extension of said tool sufficiently approximates a radial line at right angles to the axis of rotation of the boring head as to permit the size of hole to be bored by each tool to be predetermined independently of any other tool by calipering the tool substantially in the direction of extension of such tool while removed from the boring head.

2,204,856
SANITARY VALVE
Ferdinand Hinrichs and George N. Sery, Kenosha, Wis., assignors to Tri-Clover Machine Company, Kenosha, Wis., a corporation of Wisconsin
Application February 25, 1939, Serial No. 258,380
3 Claims. (Cl. 251—50)



1. In a valve having a longitudinally movable valve stem formed with a shoulder on an intermediate portion thereof and formed with a transversely grooved part spaced from said shoulder, a bonnet having a straight bore portion within which said stem moves, packing surrounding said valve stem and retained against movement in one direction with respect to the valve stem by said shoulder and coacting with said straight bore portion of the bonnet to form a liquid seal between the stem and bonnet, and means removably engageable with said grooved part of the valve stem on the other side of said packing for preventing movement of said packing in the other direction with respect to said valve stem, the space between said shoulder and said groove part of the valve stem being slightly less than the normal length of said packing whereby the packing is retained in compressed condition.

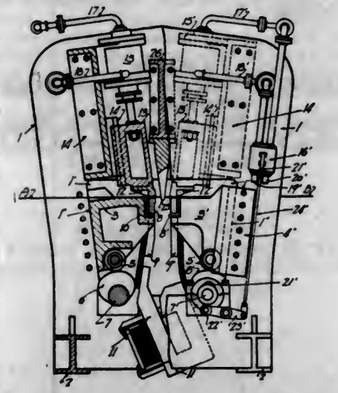
2,204,857
SERIES-PARALLEL SUBMERSIBLE PUMP
Aladar Hollander, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application June 13, 1938, Serial No. 213,430
8 Claims. (Cl. 103—106)

1. A series-parallel submersible motor-pump unit comprising, in combination: a multistage pump adapted to be supported at the lower end of a discharge column extending to adjacent the bottom of a deep well or the like, a submersible motor supported below said pump and connected in driving relation therewith, said pump being divided into groups of stages, and a crossover valve for selectively connecting said groups of stages in series or in parallel, said valve being manipulable from the upper end of said



column and removable through said column while the pump and motor remain in operative position.

2,204,858
BUTT WELDING MACHINE
Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application October 27, 1938, Serial No. 237,286
9 Claims. (Cl. 219—4)



2. An electric welding machine having opposed pairs of clamping jaws movable along converging paths, and a fixed spacing gauge disposed between said pairs of jaws near the position of greatest spacing between said pairs of jaws.

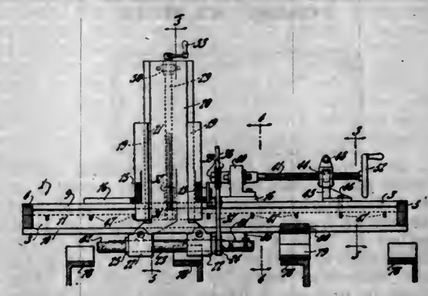
2,204,859
COATED GLASS FABRIC
Charles S. Hyatt and John C. Lowman, Columbus, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio
Original application April 8, 1938, Serial No. 200,958. Divided and this application September 14, 1938, Serial No. 229,939
2 Claims. (Cl. 91—70)

2. The process of making a decorative article of manufacture comprising producing a fabric of woven glass fibers, etching the fibers of said fabric, and applying to the fabric a liquid coating composition comprising the heat reaction product of oil soluble phenol formaldehyde resin 100 parts, China-wood oil 312 parts, bodied linseed oil 160 parts, mineral spirits 200 parts, and titanium dioxide 300 parts, in heated condition to the glass fabric structure so as to coat the fibers



and penetrate the interstices between fibers, drying the coating to form a plastic flexible film interlocking said fibers together, and thereafter subjecting the coated fabric to a temperature of about 100° F. to 300° F. for a time sufficient to volatilize the thinners therefrom and produce a highly flexible decorative coated fabric composition.

2,204,860
BORING DEVICE
Carl A. Johnson, Springfield, Mass.
Application July 17, 1937, Serial No. 154,288
3 Claims. (Cl. 77—2)

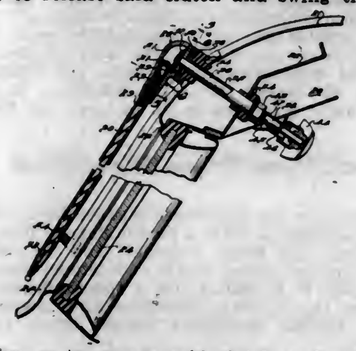


1. A boring device for crank case bearings comprising a frame member, a table slidably supported on said frame member, cooperating rail elements on said frame and said table for guiding said table longitudinally on said frame, a plate slidably supported and guided in said table for vertical movement, a manually operable feed screw for vertical adjustment of said plate, a boring spindle rotatably supported on said plate, a second feed screw operably connected to said table for moving said table and said spindle longitudinally on said frame, means for adjustably anchoring said feed screw on said frame, means for releasing said anchoring means, whereby said table, plate, and spindle may be lifted from said frame, a motor supported on said vertically movable plate, a belt and pulley drive for driving said spindle and feed screw from said motor, means for adjusting said belt to compensate for movement of said plate relative to said feed screw, whereby said table, said plate, and said spindle are moved as a unit by said feed screw.

2,204,861
MOTOR VEHICLE ANTENNA
Archer L. Knapp, Grosse Pointe, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 14, 1938, Serial No. 185,027
6 Claims. (Cl. 250—33)

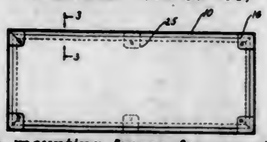
1. An antenna comprising a swingable base section, a clutch for securing or releasing said swingable base section, an extension section car-

ried by the base section, and mechanism operable to release said clutch and swing the base



section or to engage said clutch and move the extension section relative to the base section.

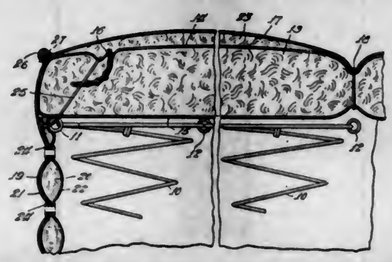
2,204,862
MOUNTING FOR MIRRORS
Louis H. Lehman, Philadelphia, Pa.
Application December 10, 1937, Serial No. 179,052
2 Claims. (Cl. 88—96)



1. In a mounting frame for securing mirrors or other flat articles flatwise against a wall or the like, a peripheral frame composed of a plurality of separable frame elements adapted to be joined together to form a frame substantially in conformity with the shape of the mirror, each of said frame elements being of right-angular cross-section to provide a flange disposed in a plane paralleling the mirror and adapted to overlap the front marginal surface thereof and a flange extending transversely across the marginal edge of the mirror with the free edge of said latter flange adapted to abut against said wall, and means for securing the frame elements against the wall and in embracing relation to the mirror whereby the latter is maintained in mounted position upon the wall by said frame, said means consisting of a bracket comprising a flat body member and a pair of angularly related flanges respectively securable to the wall and to the transversely extending flange of a pair of adjoining frame elements, the flat body member of the bracket being of a depth greater than the depth of that flange of the mirror frame which parallels and overlaps the front marginal surface of the mirror and having an aperture so located as to permit the axial projection therethrough of a securing element for fastening the bracket to the wall while said frame and bracket are in assembled relation, whereby said frame and bracket assembly constitutes a jig for locating upon the wall the point at which the bracket is to be mounted.

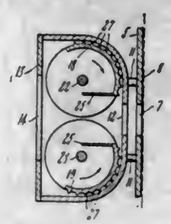
2,204,863
MATTRESS
Max Marsack, Milwaukee, Wis., assignor to Marsack Patents Corporation, Milwaukee, Wis., a corporation of Delaware
Application January 19, 1938, Serial No. 185,641
6 Claims. (Cl. 5—351)

6. The combination with a spring assembly of the kind described, of a cover sheet, a pad of compressible material positioned on the assembly under the cover sheet and initially having lateral and longitudinal dimensions greater than the corresponding dimensions of said assembly and cover sheet, the marginal edges of the pad being folded on top of the pad and underneath the cover sheet to provide a compressed double thickness overlying the spring assembly, a border boxing comprising a plurality of connected plies extending around the edges of the spring assembly,



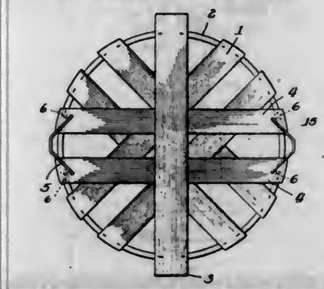
a line of lacings extending diagonally through the double thickness of the pad and connecting its original edge portions with the adjacent edge of the spring assembly, said lacings being drawn taut and extending through the inner ply of said boxing for maintaining said double thicknesses compressed and the pad taut and to prevent lateral and longitudinal movement of the pad relative to the assembly and boxing, and means connecting the marginal edges of said cover sheet with the adjacent marginal edges of the outer ply of the boxing.

2,204,864
SHUTTER FOR MOTION PICTURE PROJECTORS
Ernest H. Michaelsen, Quincy, Mass.
Application November 26, 1938, Serial No. 242,521
9 Claims. (Cl. 88—19.3)



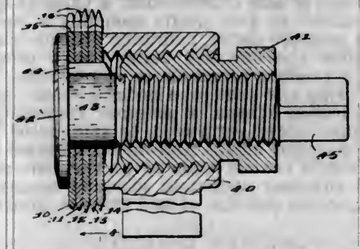
1. A shutter for use with a motion projector having an aperture across which a film may be passed and through which and said film a beam of light is projected, said shutter consisting of two members mounted to rotate about axes located at respectively opposite sides of the said aperture and means for revolving said members simultaneously in relatively opposite directions, the members being angularly located with respect to their axes so as to approach each other from opposite sides of the prescribed path in which the light beam is directed on the aperture, and having a radial extent from their axes sufficient to overlap across such path, and each having a plurality of edges in series so arranged that succeeding edges of the respective series overlap before the next preceding edges withdraw from their overlapping relationship.

2,204,865
COVER FASTENER
Walter F. Newhouse, Benton Harbor, Mich.
Original application November 18, 1935, Serial No. 50,279. Divided and this application September 12, 1938, Serial No. 229,435
12 Claims. (Cl. 217—124)



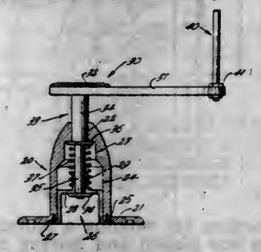
1. A basket cover comprising a pair of wood slats extending across the cover with a diametrically extending space formed between their adjacent edges, a wire cover fastener member spanning the top of said space at each end of the latter and having its two ends inserted downward in said slats at opposite sides of said space, so that the latter extends between the two points of insertion, adapting the fastener to pull crosswise of the slats in a manner tending to pull said edges together, when a pull is exerted outwardly on the middle of said member, a reinforcing hoop forming an annular bottom rim for the cover and spanning the bottom of said space, secured to the under side of the slats, to hold said edges a fixed distance apart at opposite sides of the cover, with clearance in said space between said member and the upper edge of said hoop, and a flexible member fixed on the basket and extending upwardly in engagement with said wire member, and bent over the latter to form a hook to removably hold the cover in place, said points of insertion being located at the inner side of said hoop.

2,204,866
THREADING TOOL
Willard E. Parish, Syracuse, N. Y.
Application January 4, 1939, Serial No. 249,271
8 Claims. (Cl. 10—103)



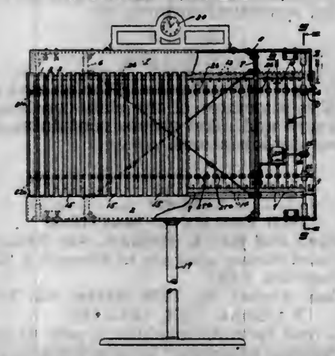
5. A cutting tool comprising a stem formed with a shoulder, a circular cutter mounted on said stem and being secured against rotation relatively thereto, a holder formed with an internally threaded aperture, a sleeve threaded in said aperture, said stem being threaded into said sleeve, the threads on said stem and the internal threads of said sleeve being of different pitch than the threads on the exterior of the sleeve and in said holder, said stem being operable when threaded into said sleeve to clamp the cutter between the holder and the shoulder on said stem, and the pitch of all of said threads extending in a direction to thread the stem in the sleeve.

2,204,867
FOOT OPERATED FLUSHER FOR TOILETS OR THE LIKE
Charles W. Rehback, Orcutt, Calif.
Application June 27, 1939, Serial No. 281,405
2 Claims. (Cl. 4—249)



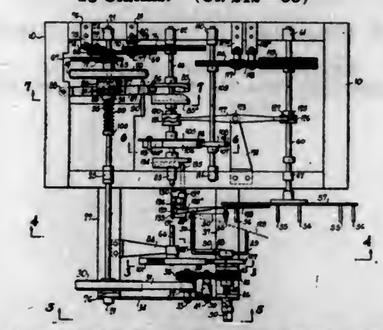
1. A flushing device for toilets or the like including in combination a pedestal having a vertical guide and adapted to be mounted on a floor, a pedal plate having a stem, such stem being operative in the guides of the pedestal, a spring in the pedestal contiguous to the stem, means to react the spring between the pedestal and the stem to urge the stem and the pedal plate upwardly and a link connection from the pedal plate adapted for connection to a flushing mechanism of a toilet to operate said mechanism on displacing of the said pedal plate.

2,204,868
ELAPSED TIME INDICATOR
Robert L. Russell and Richard V. Molby, Detroit, Mich., assignors of one-third to Wilford B. Russell, Birmingham, Mich.
Application August 15, 1938, Serial No. 224,898
6 Claims. (Cl. 161—1)



1. An indicator of the character described, comprising spaced headers, a series of item carriers extending in parallel vertical relation therebetween, a trackway on each of the said headers, means on the carriers riding the trackways, said carriers being hingedly connected one with the other in succession, a series of time indications in horizontal spaced relation on at least one of the headers with which the carriers respectively align, driving means for moving the carriers from one indication to the next in succession, and a clock controlled means for actuating the driving means.

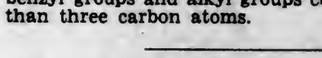
2,204,869
METHOD AND MEANS FOR WINDING
John F. Schenck, Jr., Shelby, N. C.
Application April 2, 1937, Serial No. 134,611
13 Claims. (Cl. 242—53)



6. Apparatus for winding a plurality of packages from one strand and leaving the packages joined together, comprising a rotatable reel having a plurality of holders thereon for receiving the packages of the strand, a flier for depositing the strand on the holders one at a time and means for stopping the flier and moving the reel to a position where the flier will deposit the strand on another holder on the reel.

2,204,870
RUBBER COMPOSITION AND PRESERVATION OF RUBBER
Robert L. Sibley, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application April 3, 1936, Serial No. 72,666. Divided and this application September 14, 1937, Serial No. 163,821
6 Claims. (Cl. 260—809)

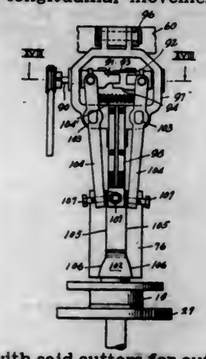
1. The method of preserving rubber which comprises treating rubber with a compound possessing the structural formula of



where R' is an arylene radical, R is an aryl radical and X is a member of the class consisting of benzyl groups and alkyl groups containing more than three carbon atoms.

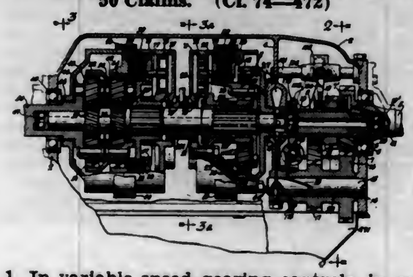
2,204,871
REED FORMING MACHINE
Peter Strano and Ray E. Hulburt, San Francisco, Calif.; said Strano assignor to Morgan J. Doyle, San Francisco, Calif.
Application August 29, 1938, Serial No. 227,272
2 Claims. (Cl. 144—142)

1. In a reed forming machine, a pair of rotary cutters, means mounting said cutters in axial alignment for movement toward and away from each other with the cutting edges of one cutter alternating with those of the other cutter in overlapping relation, means for causing said movement of the cutters, including a pair of arms pivotally connected to the cutters at one of their ends and pivotally mounted intermediate their ends whereby upon swinging the ends of the arms opposite the cutters generally toward and away from each other, the cutters at the said one of their ends will be moved away and toward each other, and means for swinging said opposite ends comprising a pair of cam surfaces movable relative to said opposite ends and in sliding engagement with the latter, and means supporting a reed for longitudinal movement and into en-



gagement with said cutters for cutting of the reed, said cam surfaces being connected with said last mentioned means for movement therewith.

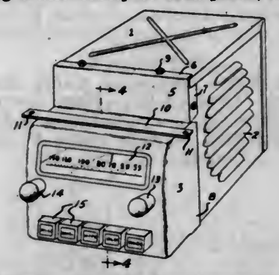
2,204,872
CHANGE SPEED GEARING AND CONTROL
Earl A. Thompson, Bloomfield Hills, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 1, 1938, Serial No. 199,355
50 Claims. (Cl. 74—472)



1. In variable speed gearing controls, in combination, an engine, an engine throttle control, a power shaft driven by said engine, a load shaft, a variable speed transmission connected to said shafts, servo motor means adapted to shift the speed ratio of said transmission, a variable speed pump driven by said shafts including a suction inlet, a pressure outlet, hydraulic pressure means controlling the effective pump outlet pressure within a predetermined range of pressures, said means being also subject to spring pressure, speed ratio selecting means, a governor responsive to centrifugal speed connected to said outlet and to said selecting means, and means movable with said throttle control adapted to vary the effect of said governor upon said selecting means according to the position of said throttle control.

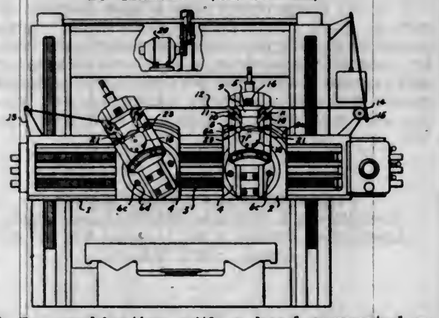
2,204,873
AUTOMOTIVE RADIO APPARATUS
Howard J. Tyzzer, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Original application April 7, 1938, Serial No. 200,730. Divided and this application August 9, 1939, Serial No. 289,287
2 Claims. (Cl. 74—10)

1. In an automobile radio set, a casing, an extension thereof, a radio set in said casing, a condenser gang located at least partially within said extension, mounting means below said condenser gang in said extension, a plate pivoted on said mounting means, a connection between said plate and said condenser gang, a series of plungers slidably mounted in said mounting means and extending transversely to said plate, each of said



plungers bearing positioning means for said plate, adjusting means for said positioning means and operating knobs on said plungers, said operating knobs extending forwardly through a perforation in said extension, said operating knobs being of a size to fill up the said perforation in said extension, and being removable to permit access to said adjusting means.

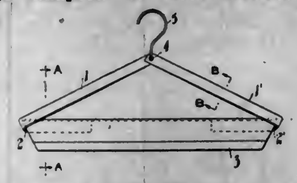
2,204,874
PLANER AND THE LIKE
John M. Walter, Cincinnati, Ohio, assignor to The G. A. Gray Company, Cincinnati, Ohio, a corporation of Ohio
Application August 5, 1938, Serial No. 223,286
10 Claims. (Cl. 90—52)



1. In combination with a head supported so as to be rotatively adjustable on a sliding of a machine tool, a cable, means for yieldably constraining the cable against movement in an endwise direction with respect to said machine tool and means for clamping the cable to the rotatable head, and means for moving the sliding element.

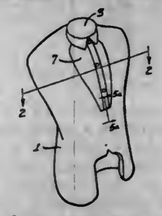
2,204,875
GARMENT HANGER
Cecil Lorne Wells, Port Credit, Ontario, Canada, assignor to Toronto Carton Company Limited, Toronto, Ontario, Canada, a corporation
Application August 27, 1938, Serial No. 227,071
In Canada July 8, 1938
4 Claims. (Cl. 223—89)

1. A foldable garment hanger comprising two oppositely inclined shoulder pieces each having a portion of its lower extremity folded inwardly, an eyelet having a hook element passed therethrough pivotally connecting the upper ends thereof and a tubular transverse bar having end openings adapted to accommodate movably



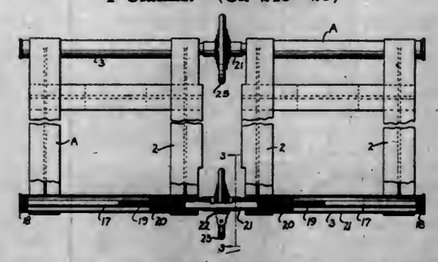
therein the said inwardly folded ends of the shoulder pieces and provide abutments therefor.

2,204,876
FORM FOR DISPLAYING CLOTHING
Russell R. Williamson, Dayton, Ohio
Application August 24, 1938, Serial No. 226,518
1 Claim. (Cl. 223—68)



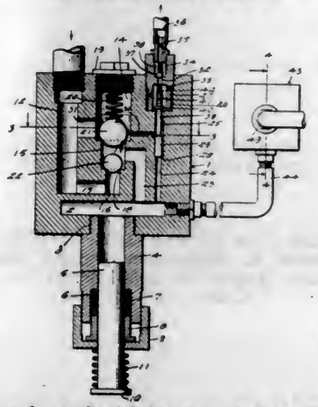
An exhibitor device for displaying folded stock shirts, comprising a bust shaped display-form constituting a hollow body having a front opening with beveled walls, a filler shaped to simulate the neck and chest portion of the human body having complementary beveled edges to fit said filler within said beveled wall opening, said filler being slightly smaller than said opening and adapted to be inserted in a folded shirt and retain the bosom portion of the shirt between the beveled walls of said opening and said filler to display the shirt front and collar band.

2,204,877
ADJUSTABLE ENGINE SKID
Carl M. Anderson, Corsicana, Tex., assignor to American Well & Prospecting Company, Navarro County, Tex., a corporation
Application May 29, 1939, Serial No. 276,489
4 Claims. (Cl. 248—23)



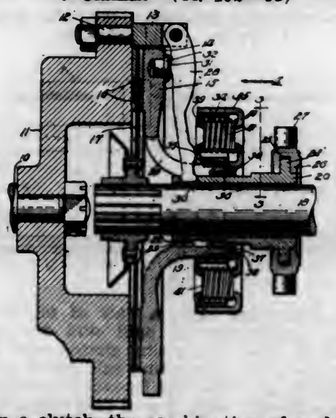
1. A supporting skid, a pair of motor bases thereon transversely of said skid and spaced apart, each base comprising spaced side plates, tubular members connecting said plates at each end thereof, an axial rod in each tubular member, the adjacent ends of said rods being threaded, a sleeve having a nut at both ends threaded to engage said rods, and by rotation to screw up on both rods to draw said bases together or to space them apart.

2,204,878
FORCE FEED LUBRICATOR
Harry E. Anderson, La Junta, Colo.
Application March 8, 1938, Serial No. 194,699
12 Claims. (Cl. 184—7)



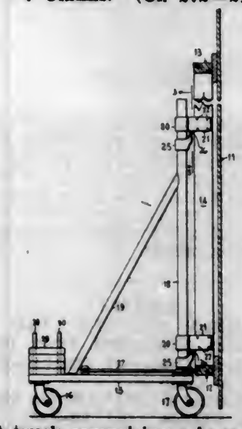
1. In a force feed lubricator, a body having a fluid pressure chamber, a fluid inlet duct leading to the chamber and having a one-way valve therein opening toward said chamber, means for subjecting fluid in the chamber to a pulsating pressure working against said valve and maintaining the same seated, a fluid outlet conduit leading from the chamber, a one-way outlet valve in said conduit, a piston in the conduit between the outlet valve and chamber and movable longitudinally of the conduit by the pulsation of pressure on the fluid, and means for introducing fluid into the conduit between the piston and said outlet valve to be forced past the outlet valve upon the movement of said piston by a pressure pulsation of the fluid.

2,204,879
CLUTCH
Percy H. Batten and Kay L. Bastrup, Racine, Wis., assignors to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application February 14, 1938, Serial No. 190,354
7 Claims. (Cl. 192—68)



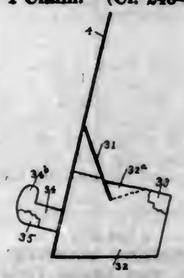
2. In a clutch, the combination of a clamping plate, pin means adapted for mounting in a rotary part constituting one of the members of the clutch and having driving connection with the plate, an operating lever pivoted on the pin means, a fixed abutment and a movable abutment carried by the plate, the movable abutment being adapted to contact the lever, and spring means disposed between the abutments and acting to press the lever against the plate and shift the same to clamping position.

2,204,880
LIFT TRUCK
Albert Bell, North Hollywood, Calif., assignor to Twentieth Century-Fox Film Corporation, Beverly Hills, Calif., a corporation of New York
Application May 10, 1939, Serial No. 272,861
7 Claims. (Cl. 272—21)



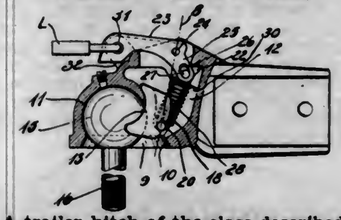
7. A lift truck comprising a base member supported upon casters, a substantially vertical standard fixedly mounted upon said base, means for rotatably attaching said standard to a wall, and means coacting between said attaching means and said standards for raising and lowering said wall upon swinging of said base member.

2,204,881
FIBERBOARD CUTOUT EASEL
Courtlandt I. Belleisle, Bellingham, Wash.
Application March 7, 1939, Serial No. 260,414
1 Claim. (Cl. 248—35)



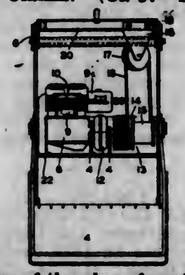
A one-piece, easel-shape structure including, a back board, a rectangular brace board hinged on a horizontal line adjacent the transverse center of said back board disposed rearwardly, diagonally downwardly from said hinge having deep lateral notches in its outer longitudinal edge near the ends thereof, two foot boards hinged on lines on said back board from the bottom edge thereof at right angles with said brace board hinge near the ends of said back board extended rearwardly from said back board having upwardly inclined bottom edges and top edges engaged in said brace board notches, diagonally hinged stop flaps on the upper edges of said foot boards disposed to bear on the outer surface of said brace board and retain said brace board engaged with said foot boards, and a foot-shape bracket on the hinge end of each of said foot boards in the plane thereof extended forward from said back board.

2,204,882
TRAILER HITCH
Ercole R. Berluti, Saginaw, Mich.
Application January 21, 1939, Serial No. 252,073
9 Claims. (Cl. 280—33.17)



1. A trailer hitch of the class described having in combination a ball, a socket member having a ball receiving opening therein, a chamber adjacent to and open to said socket, said chamber extending a predetermined distance around said socket to form a slideway, and a peripherically movable ball engageable member movable on said slideway to position to restrict said ball receiving opening and positively lock the ball in the socket and to be retracted to permit removal of said ball.

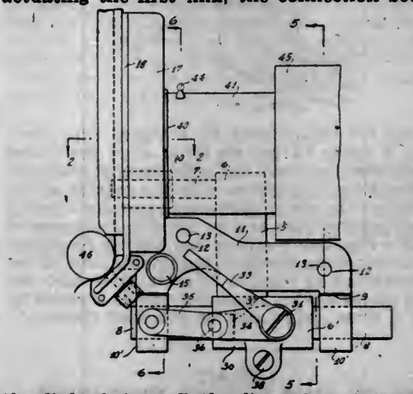
2,204,883
BUCKET OPERATING MECHANISM
John B. Botten, Shaker Heights, Ohio
Application January 7, 1939, Serial No. 249,734
3 Claims. (Cl. 37—136)



1. Apparatus of the class described, comprising a load lifting and carrying device, including head and counterweight members, load holding parts operatively connected thereto and arranged to open and close upon relative motion of said members, and a power plant for operating said members mounted upon one thereof, said power plant including a winding drum, a cable extending to the other member, an operating motor, and a liquid clutch between said motor and drum.

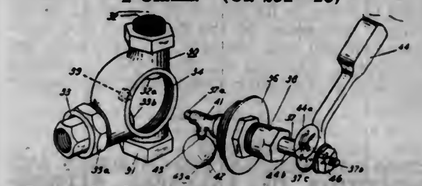
2,204,884
FILM GATE
Karl Brenkert, Detroit, Mich., assignor to Brenkert Light Projection Company, Detroit, Mich., a corporation of Michigan
Application January 21, 1939, Serial No. 252,149
4 Claims. (Cl. 88—17)

1. In a motion picture projector, a housing, an aperture plate supported therein, a gate slidably mounted relatively to said plate, a fulcrum support fixed relatively to said aperture plate, a toggle link fulcrumed on said support, and another link pivotally connected to the first link and to the movable gate structure, means for actuating the first link, the connection between



the links being off the line of centers of the fulcrum axis and the connection of the second link to the gate structure when the gate is in closed position, and stop means at the first named connection limiting further movement of said connection in the same direction away from said line of centers.

2,204,885
VALVE FOR HYDRAULIC CONTROL SYSTEMS
Earl A. Chamberlin, Cedar Rapids, Iowa, assignor to Chandler Company, Cedar Rapids, Iowa, a corporation of Iowa
Application May 14, 1938, Serial No. 207,972
1 Claim. (Cl. 251—13)



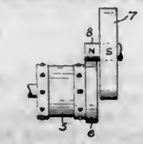
In a valve having one inlet port and two outlet ports, a T housing having an enlarged portion between two of its branches, a removably attached circular side wall adapted to interfit into the enlarged portion of the T housing, a valve seat constituting a portion of each outlet port and the valve seats located at substantially 90° with respect to each other, a valve stem projecting through the removably attached circular side wall mounting with the stem at right angles to the plane of the T, a weighted lever arm on the outer end of said stem, said weight adapted to hold the valve in a fixed position, and an eye on the lever arm at a right angle to the weight to receive operating controls, a ball and means for loosely mounting the ball, in offset relation on the inner end of the stem comprising a sleeve pinned on the stem having a radially projecting arm with the ball loosely mounted on the arm, the position of the valve seats and the relation of the stem being as defined in order that rotation of the stem through 90° will selectively direct fluid through one outlet and close off the other.

2,204,886
CROSS CHAIN FOR AUTOMOBILE TIRES
James E. Devlin, Worcester, Mass.
Application November 3, 1938, Serial No. 238,628
1 Claim. (Cl. 152—233)



A clip for attachment to a wheel rim, comprising a plate having its inner edge positioned between the tire and the side wall of the rim, a second plate engageable with the outside of the side wall of the rim, a clamping screw for holding said plates together and in positive engagement with the wheel rim, said plates having cooperating interengaging elements for holding said plates in predetermined relation to each other, and one of said plates having attaching means thereon by which a cross chain may be attached thereto.

2,204,887
WEB OR FILM DRIVING MECHANISM
Leon Dewan, New York, N. Y., assignor of fifty per cent to George H. Callaghan, New York, N. Y.
Application March 4, 1939, Serial No. 259,929
6 Claims. (Cl. 271—2.3)



1. In a sound carrier progressing mechanism, the combination of a rotative member by means of which the carrier is moved, a roller element operated thereby, a fly wheel, and a small roller operatively connected to the fly wheel and having direct rolling and frictional contact with the roller element, whereby the fly wheel is rotated through and at a greater speed than the rotative member.

2,204,888
PROCESS FOR GENERATING CHLORINE AND PRODUCTION OF VALUABLE BYPRODUCTS
Elmer E. Dougherty, Glen Ridge, N. J.
No Drawing. Application September 28, 1936, Serial No. 102,973
3 Claims. (Cl. 23—219)

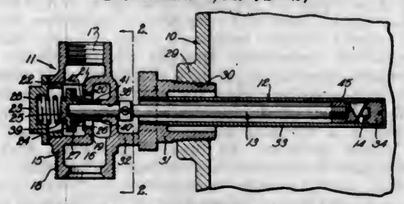
1. A cyclic process of producing elemental chlorine and a byproduct which comprises reacting calcium chloride in solution with an equivalent amount of a water soluble sulphate capable of exchanging its acid radical with the chlorine radical of the calcium chloride, filtering off the precipitated calcium sulphate, evaporating the water from the resulting chloride solution, reacting the said resulting chloride with an equivalent amount of sulphuric acid by heating in a suitable furnace to produce gaseous hydrochloric acid and a water soluble sulphate, returning the said sulphate to the first step for further reaction with calcium chloride, reacting the hydrochloric acid solution with an equivalent amount of manganese dioxide in a suitable vessel by heating, collecting the evolved chlorine, reacting the resulting manganous chloride with an equivalent amount of calcium hydroxide, separating the precipitated manganous hydroxide by filtering and washing, returning the calcium chloride formed to the said chloride production step for reaction with the water soluble sulphate, reacting a part of the manganous hydroxide with sulphuric acid to produce a neutral manganous sulphate, mixing the balance of the manganous hydroxide with an equivalent amount of a mixture of approximately equal molecular proportions of calcium hydroxide and alkali hydroxide in a suitable furnace, heating in the presence of oxygen to form a mixture of two manganates, dissolving the mixed manganates in water, reacting with carbon dioxide to precipitate the calcium as carbonate, reacting the resulting permanganate with the manganous sulphate, filtering off and washing the precipitated manganese dioxide, reacting with additional hydrochloric acid in the further production of chlorine and using the solution of the sulphate and sulphuric acid in conjunction with additional sulphuric acid for further reaction with additional chloride in the further production of hydrochloric acid.

2,204,889
ANNEALING BASE
Charles E. Freeland, Butler, Pa., assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application May 6, 1939, Serial No. 272,204
3 Claims. (Cl. 263—47)



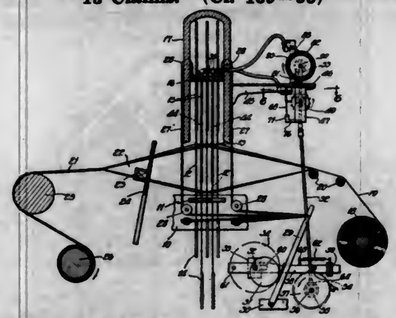
1. An annealing base comprising a central sheet supporting member and a plurality of pieces each having a double channel cross section, said pieces in assembled relation defining a pair of adjacent annular channels, said first mentioned member having a dependent annular flange adapted to seat in the inner of said channels, and joining means for the ends of said pieces in which the pieces are free to move to compensate for expansion and contraction.

2,204,890
THERMALLY GOVERNED CONTROL
Mearl W. Gathercole, Los Angeles, Calif.
Application November 22, 1938, Serial No. 241,799
14 Claims. (Cl. 74—2)



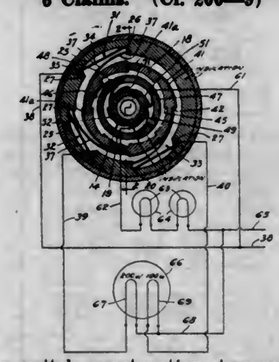
1. A thermally responsive control of the character described comprising two elements related for relative turning and for relative longitudinal movement, a member cooperating with one of said elements normally preventing relative longitudinal movement of the members and turnable to allow relative longitudinal movement between the elements, fusible material bonding the member to the other element restraining turning of the member to hold the elements against relative movement and liquefiable at a given temperature to allow turning of the member, and manual means for turning the first named element relative to the member when said material is resolidified to return the elements to their initial positions.

2,204,891
ELECTRICALLY CONTROLLED SHEDDING MECHANISM FOR LOOMS
Wallace Hamilton, Plainfield, N. J., assignor to Hamilton Development Corporation, Wilmington, Del., a corporation of Delaware
Application February 15, 1939, Serial No. 256,408
13 Claims. (Cl. 139—55)



10. In a heddle control mechanism for looms, a vertically reciprocable member, a plurality of heddle members slidable through said member, a plurality of electro-magnetic devices mounted on said reciprocable member, there being one electro-magnetic device associated with each heddle member, each electro-magnetic device including an electric coil and a gravity actuated armature latch member which is extended when the coil is de-energized and retracted when said coil is energized, a keeper element on each heddle member, each keeper element being in the path of its related latch members when the reciprocable member is in lowered position and the coil is de-energized, and electrically controlled means for selectively controlling the energizing and de-energizing of said electro-magnetic devices.

2,204,892
ELECTRIC SWITCH
Paul A. Heady, South Pasadena, Calif.
Application October 22, 1938, Serial No. 236,466
6 Claims. (Cl. 200—9)



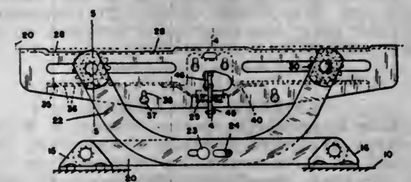
1. In a switch construction, two relatively rotatable members each having an annular portion in a concentric radially spaced relation to that of the other thus providing an annular space between them, one of said members having a recess adjacent to said annular space, a brush consisting of a leaf spring having a bent portion anchored in said recess and a free end portion contacting with the other member at the opposite side of said annular space, the latter member having conducting and non-conducting portions contacted by said brush, and current conducting means electrically connected with said brush and conducting material.

2,204,893
EMERGENCY BRAKE LEVER ASSEMBLY
Alvin L. Johnson, Ottawa Hills, Ohio, assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application January 28, 1939, Serial No. 253,295
2 Claims. (Cl. 74—537)



1. A brake lever assembly comprising a sector provided with a ratchet having an arcuate series of alternating notches and teeth, a brake lever pivotally connected at one end to said sector and movable across said ratchet, a pawl pivoted intermediate its ends to said lever and having one end engageable with said ratchet, a pawl actuating trip lever pivoted intermediate its ends to said brake lever, a laterally flexible resilient arm carried by said trip lever, forming a continuation thereof and articulated to the pawl to exert yieldable rocking effort thereupon when the trip lever is actuated, and spring means urging said arm in a direction to rock said pawl into engagement with said ratchet.

2,204,894
SEAT ADJUSTING MEANS
Andrew L. Johnson, Pontiac, Mich., assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application May 16, 1938, Serial No. 208,133
3 Claims. (Cl. 155—91)



3. Means for supporting a seat or the like, comprising in combination with a suitable support, a pair of links swingable about spaced, fixed

axes and crossing one another to swing substantially in a common plane in such manner that their free ends may move upwardly toward and downwardly away from one another, guide means interconnecting said links to control their relative movements, and means for adjustably mounting a supported object upon the upper ends of said links, comprising a roller element carried by the free end of each link, a carriage portion supported by and movable with respect to said roller elements and geared thereto, and dogging means for preventing rotation of said roller elements to hold the links and carriage against relative movement, said dogging means comprising a rigid locking member guided with respect to the carriage for rectilinear movement toward and from the axes of said roller elements and into and out of interlocked relation with both of such roller elements, interlocking portions being arranged upon the opposite sides of said roller elements from the geared portions which mesh with the carriage.

2,204,895
BATHING CAP
J. Claudine Johnson, Rockford, Ill.
Application September 3, 1938, Serial No. 228,291
5 Claims. (Cl. 2—68)

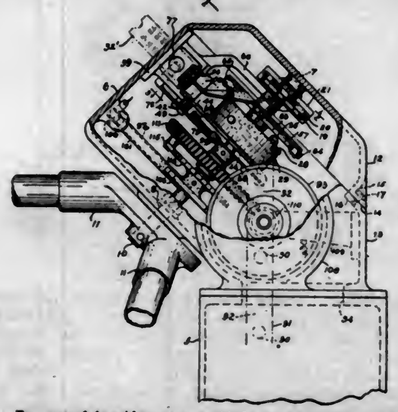


4. A bathing cap comprising a hollow body of flexible material having a head opening at the bottom defined by a marginal edge portion adapted to fit around the head of the wearer, and a sealing flange of elastic material extending around the interior of said body and joined along its outer edge with said body in upwardly spaced relation to the edge of the marginal edge portion, said flange having a free inner edge portion which when the cap is applied to the head extends downwardly from the line of connection between the flange and body in laterally spaced relation to the aforesaid marginal edge portion of the body of the cap so as to form with said marginal edge portion a water entrapping channel around the interior of the body of the cap, the inner edge portion of the flange being enlarged to define a continuous circumferential bead on the edge thereof and being adapted to be stretched in the application of the cap to the wearer's head so that the beaded edge is caused to lie in snug water-tight engagement with the head, the inner edge portion of the flange being formed with relation to that portion joined to the body of the cap so as to define a generally T-shaped cross-section, the cross-portion of the T being disposed substantially parallel to the adjacent wall of the cap and forming an annular sealing band extending entirely around the interior of the body of said cap, said band being adapted to stretch in the application of the cap to the wearer's head and have broad water-tight engagement with the head, the bead being provided on the lower edge of the cross-portion.

2,204,896
COFFEE PROCESSING
William Kappenberg, Queens Village, N. Y., assignor to Coffee Products Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 23, 1937, Serial No. 176,037
2 Claims. (Cl. 99—71)

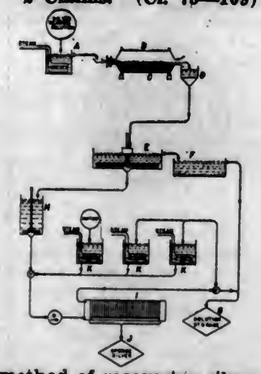
1. The process of producing an improved coffee extract which comprises adding to an aqueous extract of roasted coffee a small amount of glycerin and subjecting the extract to a heat treatment to impart improved flavor characteristics and increased resistance to rancidity to the extract, said heat treatment being conducted at temperatures ranging from about 70° C. to about 90° C. for a period of time ranging from about one-half hour to about four hours, the longer periods of time being used with the lower temperatures.

2,204,897
CHECK CONTROLLED AND DISPENSING TURNSTILE
Howard M. Kilpatrick, New York, N. Y.
Application April 16, 1936, Serial No. 74,775
17 Claims. (Cl. 39—3)



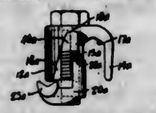
1. In combination an article presenting means adapted to hold an article in position to be removed; a barrier to prevent the passage of a person past said article when in said position; and means set in operation by the removal of the article from said position for causing said barrier to allow the person to pass the barrier.

2,204,898
PROCESS FOR THE PRECIPITATION OF MATERIALS FROM SOLUTION
Harold Eugene Lee and Barton Robert Muir, Kellogg, Idaho, assignors to Bunker Hill & Sullivan Mining & Concentrating Company, Kellogg, Idaho, a corporation
Application April 23, 1938, Serial No. 203,969
2 Claims. (Cl. 75—109)



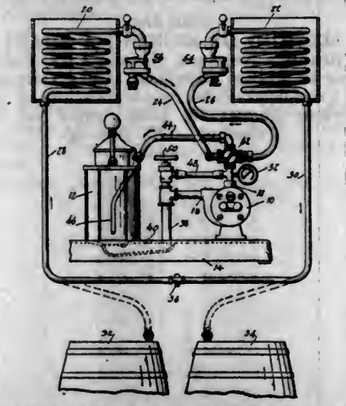
1. The method of recovering silver from silver bearing solutions which comprises maintaining the solution at a relatively low temperature, continuously subjecting the solution to the precipitating action of large-bodied, plane-surfaced, precipitant elements, and slowly agitating the elements to cause a surface abrasion therebetween thereby removing the finely divided precipitate from the precipitant and to maintain the separated precipitate in suspension for removal and recovery as sponge.

2,204,899
VISE TYPE ELECTRICAL CONNECTOR
Marvin Lee, Rye, N. Y., assignor to Burndy Engineering Co. Inc., a corporation of New York
Application June 17, 1939, Serial No. 279,592
6 Claims. (Cl. 24—263)



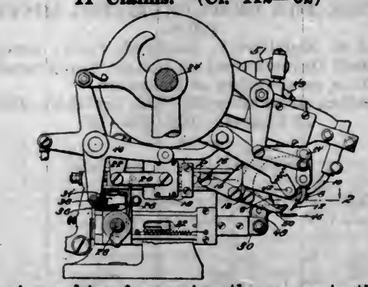
2. A clamping device comprising a stationary member having a jaw; a movable member having a jaw; a bolt in threaded relationship with respect to the movable member for drawing the two jaws together about the object to be clamped by rotating said bolt; means for keeping the movable member in sliding engagement with the stationary member; and means for permitting one jaw to be rotated with respect to the other about the bolt as an axis.

2,204,900
APPARATUS FOR CLEANING COILS
Le Roy D. Lowry, Detroit, Mich.
Application February 17, 1937, Serial No. 126,293
7 Claims. (Cl. 225—12)



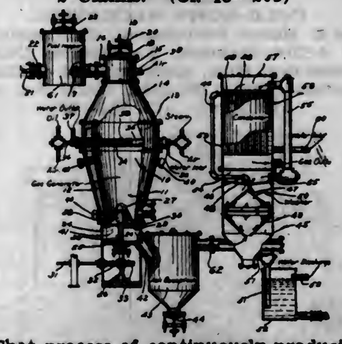
5. Apparatus for cleaning a fluid pipe line comprising, in combination, a liquid pressure pump, a detergent tank for containing chemical cleaning material, said tank having a fluid delivery fitting and a fluid discharge fitting, conduit means for connecting one side of the pump to one end of a pipe line, conduit means for connecting one of said fittings on the tank to the other end of the pipe line, conduit means connecting the other side of the pump to the remaining fitting on the tank, means for sealing the connections of said conduit means to said pump, tank and pipe line in a liquid tight manner, a closure member on the tank which, when opened, will allow access to the interior to introduce cleaning material thereinto, means for sealing said closure member to the tank in a liquid tight manner whereby when the conduit means is connected to the opposite ends of a pipe line a closed liquid tight circulatory system including the tank is formed through which a liquid cleaning solution can be forced by the pump under considerable pressure.

2,204,901
SHOE SEWING MACHINE
James M. Matheu, Queens Village, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 22, 1939, Serial No. 269,435
11 Claims. (Cl. 112—62)



1. A machine for sewing the upper to the sole of a shoe while unsupported on a last having, in combination, stitch-forming and work-feeding devices including a curved needle formed with a hooked work penetrating portion arranged to oscillate through an arcuate path, the active length of which is substantially beneath the center of needle curvature, and means passing between the margin of the upper and the edge of the sole in advance of the point of needle operation to support the sole approximately horizontally in the path of the needle.

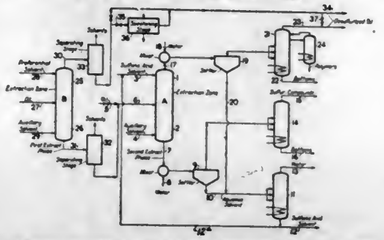
2,204,902
PROCESS FOR PRODUCING GAS
John U. McDonald, Clinton, Mo.
Application July 9, 1937, Serial No. 152,725
2 Claims. (Cl. 48—203)



1. That process of continuously producing gas which comprises feeding solid carbonaceous fuel into the upper part of a gas-sealed generator to allow it to drop downwardly therein, introducing oxygen into said downwardly descending fuel by forcing substantially all of said oxygen vertically and centrally upward against the downwardly moving fuel, establishing a combustion

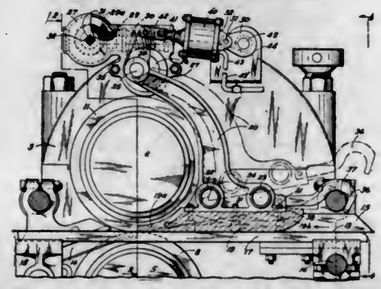
zone in the fuel in the generator, the top of which zone is maintained by the rate of fuel feeding and oxygen flow substantially at the level of the introduction of said oxygen to be substantially at the vertically central part of the generator to have the heat from said combustion transmitted upwardly to the down-feeding fuel for pre-heating of the fuel and intermingling oxygen whereby gases generated in said zone may be reduced in passing through hot fuel therebelow, said oxygen being limited in amount to be completely used up in said zone, and drawing off from the lower end of the generator under said combustion zone the produced gases under pressure generated in the generator.

2,204,903
PROCESS FOR DESULPHURIZING MINERAL OILS
Donald S. McKittrick, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 20, 1938, Serial No. 230,809
17 Claims. (Cl. 196—13)



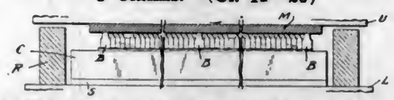
1. The process for desulphurizing sulphur-containing low-boiling mineral oil comprising the steps of contacting said oil in the liquid state at a temperature not substantially above 40° C., with a refining agent essentially comprising an aliphatic sulphonic acid containing not over five carbon atoms and which is liquid at 40° C., under conditions causing the formation of a sulphonic acid phase containing absorbed sulphur compounds and a liquid oil phase, and separating the sulphonic acid phase from the liquid oil phase.

2,204,904
HOLD-DOWN MECHANISM
George E. Moore, Youngstown, Ohio, assignor to The Aetna Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application March 10, 1938, Serial No. 195,089
17 Claims. (Cl. 164—61)



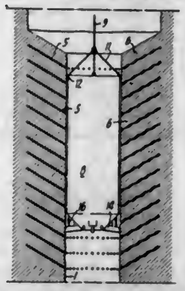
1. In apparatus of the type described, a pair of coacting circular cutting knives, a sheet supporting member positioned to support a sheet in cutting position relative to said knives, a hold-down shoe disposed above said sheet support, means for supporting said shoe, means for adjusting said shoe and supporting means toward and away from said sheet support, and independently operable means for lifting said shoe and supporting means away from its hold-down position above said sheet support to permit free entry of a sheet to said cutting knives and returning said shoe and support to hold-down position without changing the adjustment of said adjusting means.

2,204,905
METHOD OF MAKING MATRICES
Herman T. Nekton, West Hempstead, Long Island, N. Y., assignor to Samuel H. Moss, New York, N. Y.
Application June 15, 1939, Serial No. 279,358
5 Claims. (Cl. 41—25)



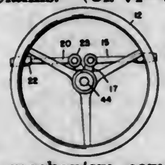
1. The herein described method of making a matrix which comprises, arranging type bars bebetween inside bearers having an elevation higher than the elevation of said bars, arranging said inside bearers between outside bearers having an elevation higher than said inside bearers, positioning a plate of a thermoplastic synthetic resin such as Bakelite on said inside bearers only and between said outside bearers, subjecting said plate to pressure to eliminate longitudinal and widthwise curvature in the body thereof, further subjecting said plate to heat and pressure to permit said inside bearers to penetrate said plate without however permitting penetration of said plate by said bars, and continuing said heat and pressure to allow said bars to penetrate said plate.

2,204,906
METHOD OF SINKING A SHAFT
John Branner Newsom, Nevada City, Calif., assignor to Idaho Maryland Mines Corporation, San Francisco, Calif., a corporation of Nevada
Application August 29, 1938, Serial No. 227,236
8 Claims. (Cl. 262—4)



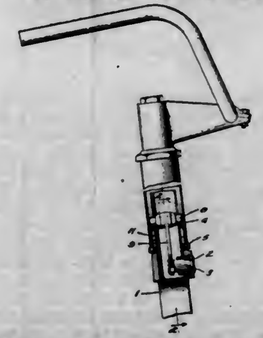
1. The method of sinking a shaft of any given cross sectional area, comprising: drilling a substantially smooth-walled shaft of a diameter smaller than said given cross sectional area to any desired depth; progressively enlarging said drilled shaft to said given cross sectional area by blasting successive layers of the material surrounding said drilled shaft into a receptacle within said drilled shaft having an outer diameter only slightly smaller than the diameter of said shaft and located below the level of the particular layer being excavated; raising said receptacle to the surface; removing its contents; and then lowering said receptacle within said drilled shaft to a level below the level of the next succeeding layer.

2,204,907
OPERATING HANDLE
Alexander Oberhoffken, Southfield Township, Oakland County, Mich., assignor to American Forging and Socket Company, Pontiac, Mich., a corporation of Michigan
Application September 18, 1939, Serial No. 295,468
5 Claims. (Cl. 74—536)



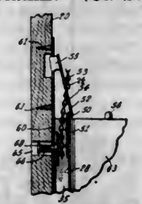
1. Operating mechanism comprising in combination with a support, a rockable shaft carried thereby, and pawl and ratchet means for holding said shaft against unwanted rocking movement, comprising a fixed ratchet encircling the shaft and having ratchet teeth extending longitudinally thereof, a pawl comprising a sleeve slidable along the shaft and having a plurality of complementary teeth engageable with and disengageable from the teeth of said ratchet, means yieldably urging said pawl into engagement with the ratchet, and means for moving said pawl out of engagement with said ratchet, comprising a hollow handle extending outwardly from a position adjacent said pawl, operating means for the pawl comprising a handgrip portion rotatably carried by the handle, a shaft extending through said handle and connected to the handgrip portion, and an eccentric actuating portion operatively connected to the shaft and to the pawl for operating the latter in response to rotation of the handgrip portion.

2,204,908
BICYCLE LOCK
Phillip W. Olson, Grand Rapids, Mich., assignor, by mesne assignments, to Arnold, Schwinn & Company, Inc., Chicago, Ill., a corporation of Illinois
Application March 24, 1938, Serial No. 197,792
10 Claims. (Cl. 70—233)



1. A lock for a bicycle having a tubular head and a wheel fork having a stem normally rotatable within the head, comprising a cylinder key lock rotatable in the fork from the outer side thereof, and locking means comprising a link and a wrist pin carried thereby within the stem connected to the lock and movable thereby longitudinally of the stem, and a member connected to the head having a plurality of slots to engage the wrist pin when moved by the link for locking the fork in any one of a plurality of angular positions as determined by the slots with respect to the head.

2,204,909
WINDOW
Vincent Pascuzzi and Frank Cavallaro, Brooklyn, N. Y.
Application May 20, 1938, Serial No. 208,976
3 Claims. (Cl. 20—49)

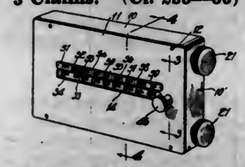


1. In a window having straight runways for the sides of a sash, a sash having slides pivotally mounted on both sides thereof and substantially filling said runways transversely, means for holding the slides in the runways, comprising a vertical slot in the outer side wall of each slide and an interengaging part mounted in the adjacent runway for holding the slide in engagement with the runway and having a head within the runway and wider than the slot, said interengaging part having a circular washer of substantially a diameter the equivalent of the inside width of the slide and rotatably mounted on a pin countersunk in the wall of said runway, a hole in the side of the runway, a plate mounted over said hole, a pin headed on the outside end, connected with said washer, and mounted in said slide, and a compression spring mounted on said pin between the headed end and the plate.

2,204,910
REFRIGERATOR ODOR ABSORBENT
Alfred Arthur Randolph, San Francisco, Calif.
No Drawing. Application September 30, 1938, Serial No. 232,616
4 Claims. (Cl. 252—2.5)

3. A deodorant block comprising infusorial earth and a binder of dried uncooked starch and water, the proportion of starch being approximately three per cent of the weight of the dry materials.

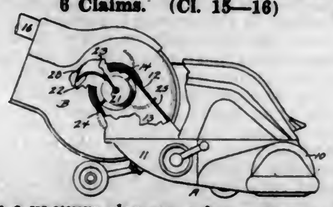
2,204,911
TIME STUDY DEVICE
Rudolf M. Richter, Brooklyn, N. Y.
Application August 22, 1939, Serial No. 291,320
3 Claims. (Cl. 235—86)



1. A computing device comprising a housing having a window therein, a plate mounted upon the housing and extending parallel with one of the side edges of the window opening, said plate

being divided into a plurality of areas each bearing an identifying indicia or caption, a printed web within the housing, the printed matter on said web being arranged in columns which coincide with the areas of the plate adjacent the window opening, means for moving said printed web across the window opening of the housing to expose sections of the columns of printed matter thereon through the window opening, a single pointer extending into the window opening from one side thereof and registering with one column of printed matter upon the printed web, a plurality of pointers extending into the window opening from the opposite side thereof, there being a pointer in said group for registration with each of the remaining columns of printed matter upon the printed web, and means for simultaneously moving said single pointer and said group of pointers in opposite directions relatively to their respective columns of printed matter upon the printed web.

2,204,912
VACUUM CLEANER
Frederick Riebel, Jr., and Ira F. Flatz, Toledo, Ohio, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application October 16, 1936, Serial No. 105,996
6 Claims. (Cl. 15—16)



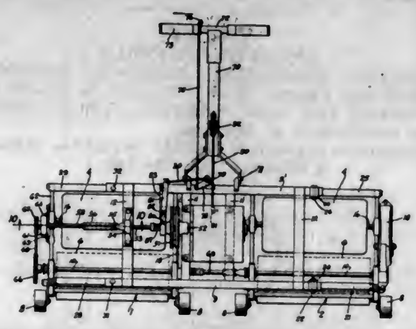
1. In a vacuum cleaner, a fan casing, a centrifugal fan therein, an elbow forming an air passage to the intake of said fan casing, a shaft on which said fan is mounted, passing through said elbow at the bend thereof, the inner face of the outer wall of said elbow being inclined toward the outlet of the elbow, and means in said elbow extending across the casing and into immediate proximity of the fan to prevent movement of the air currents therein circumferentially and fouling of the outlet, including a member secured in the elbow and contiguous to the fan and the shaft therefor.

2,204,913
MOLDED PRODUCT
Allan B. Ruddle, San Francisco, Calif.
No Drawing. Application September 25, 1937, Serial No. 165,765
6 Claims. (Cl. 22—188)

1. A baked molded product of sufficiently high tensile strength to be used as a core for metal casting purposes and having a high degree of resistance to heat and moisture comprising a mixture of sand and a binder which comprises an aqueous solution of an alkali metal silicate, an alkali metal fluosilicate and a compound of boron.

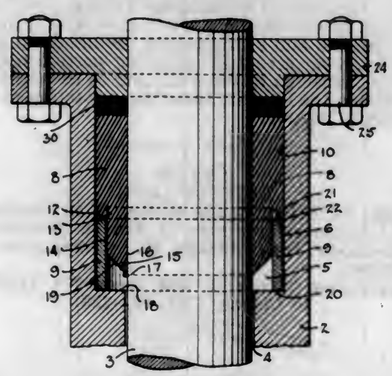
2,204,914
MOWING IMPLEMENT
Albert E. Schmidt, Omaha, Nebr., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application April 24, 1936, Serial No. 76,210
Renewed March 3, 1938
15 Claims. (Cl. 56—7)

1. A mowing implement comprising a pair of mower units each having a cutter and a rolling support which is driven by means of the cutter, a frame, means separately attaching each unit to



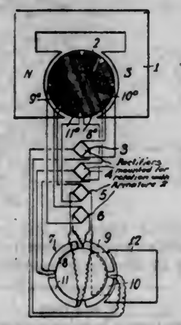
the frame so that it can adjust itself conformably to ground contours, a motor on the frame, means by which one cutter drives the other, and means by which the motor drives one of the cutters.

2,204,915
STUFFING GLAND
Dudley C. Sharp, Houston, Tex., assignor to Mission Manufacturing Company, Houston, Tex., a corporation of Texas
Application November 4, 1938, Serial No. 238,735
2 Claims. (Cl. 286—26)



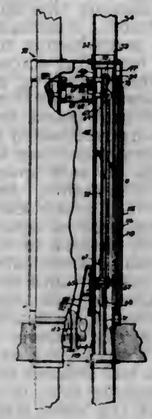
1. A stuffing box assembly including a body having a recess therein, a rod or shaft projecting through said recess, packing disposed in said recess and about said rod or shaft, a peripheral shoulder intermediate the ends of said packing, a cylindrical surface on said packing extending downwardly from said shoulder and merging into a flexible sealing lip at the lower end of the packing, said shoulder being inclined outwardly and downwardly and forming a thin peripheral edge on the body, a support ring fitting closely about said cylindrical surface and abutting said shoulder, said ring being of a greater height than the length of the cylindrical surface and flexible lip so as to provide a chamber within the ring and below said lip and a cap member attached to said body to hold the packing in place with the peripheral edge overlying the top end of said ring and in sealing engagement with the walls of the body recess.

2,204,916
ELECTRIC MOTOR
George Frederick Shotter, Friern Barnet, England
Application December 31, 1936, Serial No. 118,454
In Great Britain January 2, 1936
8 Claims. (Cl. 172—36)



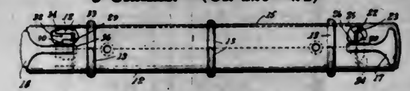
1. An electrical device comprising, in combination, a rotor, two sets of coils carried by said rotor, a plurality of rectifiers carried by said rotor, circuit means connecting each coil of one set to a correspondingly positioned coil of the other set through one of said rectifiers, means for inducing alternating current into the coils of one of said sets, and unidirectional magnetic field means cooperating with the coils of the other of said sets, the magnetic field of said unidirectional magnetic field means being independent of the current in said rotor.

2,204,917
FILM APPARATUS
Albert W. Tondreau, Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application February 12, 1938, Serial No. 190,237
7 Claims. (Cl. 34—48)



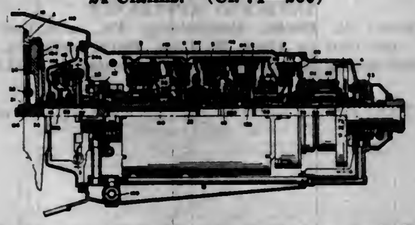
5. A film drying compartment having wall sections spaced apart vertically in a plane, a horizontal spool head in the space between said sections and secured thereto and having the inner face thereof in said plane, means cooperating with said spool head for supporting the film in loops, and means whereby to direct film drying fluid through said compartment.

2,204,918
LOOSE LEAF BINDER
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application November 10, 1938, Serial No. 239,792
5 Claims. (Cl. 129—24)



1. A ring metal for loose leaf binders, comprising cooperating spring tensioned toggle plates having open notches in the intermediate portion of the same at one end of the metal, a closer having an arched portion overstanding the intermediate edge portions of said plates and downward extensions disposed in said notches, laterally projecting lugs on said downward extensions engaging beneath said plates at the outer edge portions of the same and a cover plate having a slot above said notched portions of the toggle plates, said closer having an operating lever portion above said cover plate and a dependent portion loosely confined in said slot.

2,204,919
AUTOMATIC TRANSMISSION
Tracy Brooks Tyler, Chicago, Ill., assignor to The Monopower Corporation, Detroit, Mich., a corporation of Michigan
Application July 1, 1938, Serial No. 216,983
24 Claims. (Cl. 74—260)

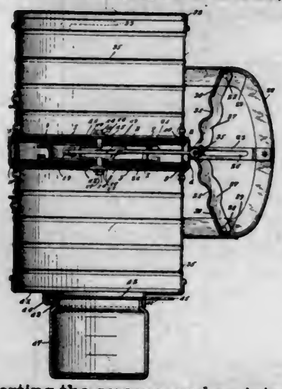


1. In an automatic transmission including driving and driven elements, torque converting means providing potential driving connections between said elements at different ratios, and a pair of fluid actuable friction clutches for controlling said driving connections, said clutches being substantially axially aligned and having separate actuating pressure chambers spaced from each other, each of said pressure chambers being defined by a fixed piston and a movable cylinder operatively engaging the same, said cylinders having juxtaposed head walls, and means enclosing the space between said head walls and defining a third pressure chamber contractible and expansible with opposite movement of said cylinders toward and from each other, and means for introducing fluid into each of said pressure chambers, whereby fluid in said third pressure cylinder tends to move said cylinders apart and to simultaneously oppose the force of fluid in both of said two first-mentioned pressure chambers.

2,204,920
FLOUR SIFTER
Theodore Bailey, Habana, Cuba
Refiled for abandoned application Serial No. 114,061, December, 3, 1936. This application September 6, 1939, Serial No. 293,635
7 Claims. (Cl. 209—251)

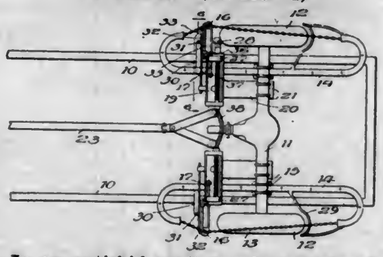
1. A sifter including a body open at the re-

spective ends, caps closing the ends, a screen section supported transverse the body at approximately mid-length the latter, said screen section being mounted for rotary reciprocation within the body and including spaced screens, an edge



strip supporting the screens, and an intermediate strip between the screens, said intermediate strip being concentric with and approximately midway between the periphery and centers of the screens, and means mounted exteriorly of the body for actuating the screen section.

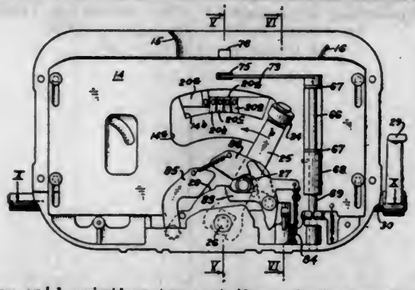
2,204,921
ANTISKID APPLIANCE
Howell M. Becht, Harrisburg, Pa., assignor of one-half to Alton W. Lick, Harrisburg, Pa.
Application November 14, 1939, Serial No. 304,403
18 Claims. (Cl. 188—4)



1. In an antiskid appliance for vehicle wheels, an elongated antiskid element supported at points in advance of and in rear of the wheel, and means for moving a portion of said element in advance of the wheel back and forth across the line of travel of said wheel.

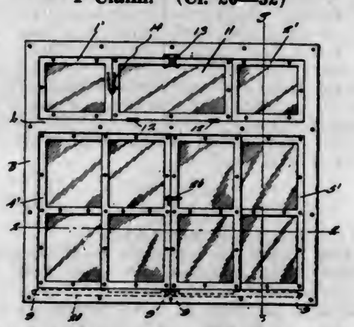
2,204,922
PRINTING MECHANISM FOR METER COUNTERS
William F. Berck, Hayward, Calif., assignor to Ralph N. Brodie Company, Oakland, Calif., a corporation of California
Application September 6, 1938, Serial No. 228,563
15 Claims. (Cl. 234—2)

1. In an apparatus of the character described, a dial wheel adapted to be positioned in a plurality of different stations, a cam relatively fixed to the dial wheel and to be positioned thereby, a movable member carrying printing type for each dial wheel station, said member being cooperatively associated with said cam whereby the position of the latter will predetermine the printing type on said member which will be disposed in printing position upon movement of said member and a roller platen movable across and back



over said printing type at the printing position to effect successive printing operations before and after a setting of the type member.

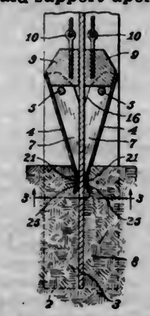
2,204,923
COMFORT WINDOW
Giacinto Buti, McKeesport, Pa.
Application December 1, 1938, Serial No. 243,459
1 Claim. (Cl. 20—52)



A window structure comprising a frame having a window opening therein, a panel secured against said frame, confronting faces of the frame and the panel having registering recesses forming tracks extending across upper and lower ends of the window opening and guide grooves extending longitudinally of the tracks, a window sash slidable in said tracks for movement into and out of closing relation to the window opening, tongues along upper and lower ends of said sashes engaging in said grooves and guiding movements of the sashes, the frame and the panel being formed under the window opening with confronting grooves extending transversely of the window opening in registering relation to each other and communicating with the lower track and the guide groove thereof, rollers carried by said frame adjacent opposite ends of the registering grooves, and a flexible band extending longitudinally in said grooves with its end portions brought upwardly about said rollers into the lower track and secured to the lower end of said sash at opposite sides thereof and adapted to move through the lower track in covering relation to the guide groove thereof.

2,204,924
PILE
Curry Glenn Cappel, New Orleans, La.
Application February 18, 1939, Serial No. 257,244
10 Claims. (Cl. 61—53)

1. An improvement in piles comprising a structural support, a pair of stabilizing members pivotally joined to said support upon a common axis



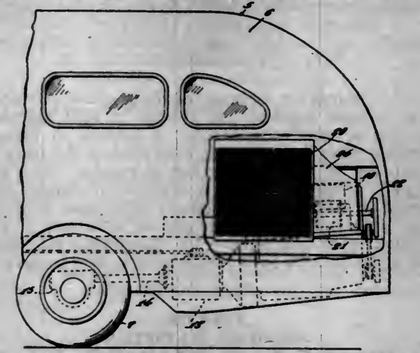
for limited pivotal movement thereon, and means for retaining said members in a given position relative to said support.

2,204,925
VARIABLE LEVERAGE GEAR FOR BRAKES
Axel Georg Hjalmar Carlbom, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application March 31, 1939, Serial No. 265,355
In Germany April 7, 1938
6 Claims. (Cl. 74—518)

1. In a variable leverage brake comprising a brake cylinder having a brake piston rod, a variable leverage lever linked at one end to said piston rod, and a brake rigging connected to the other end of said lever, a gear case housing said lever and adjoining the brake cylinder so that the brake piston rod projects into said gear case, a displaceable fulcrum support for said lever in said gear case, a guideway in said gear case for said displaceable fulcrum support, disposed substantially at right angles to the axis of said brake cylinder, and means disposed in said gear case for guiding said lever so as to displace the middle point thereof towards and away from the axis of said brake cylinder at application and release of the brake, respectively.

2,204,926
MOTORBUS CONSTRUCTION
George L. Clingerman, Bellefontaine, Ohio
Application November 29, 1939, Serial No. 306,730
5 Claims. (Cl. 180—54)

1. In combination with a motorbus having a body provided with a rear opening and a second opening in a wall of the body other than the rear wall of said body, an engine mounted in said body rearwardly of rear wheels of the bus by way of the rear opening and in alignment with the longitudinal axis of the bus, a casing enclosing the engine to the interior of the body and forming an engine compartment having direct communication with the rear opening of the body, a radiator connected to the cooling system of the engine and located adjacent the second opening of the body, a conduit connecting



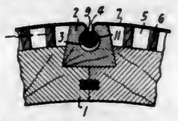
the casing to said radiator, and a fan located in the conduit and driven by the engine for drawing air through the radiator and conduit and exhausting the air over the engine within the engine compartment and expelling the air along with heat and gases from said compartment by way of the rear opening.

2,204,927
ROOF FRAMING IMPLEMENT
John A. Cramer, Ogden, Utah,
Application December 19, 1938, Serial No. 246,721
3 Claims. (Cl. 33—112)



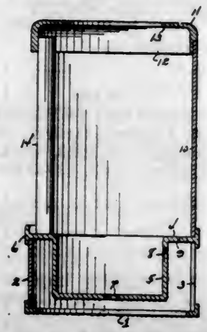
1. A roof rafter marking implement comprising a web and a flange joined along a longitudinal edge and disposed in perpendicular planes, whereby the implement may be laid upon a rafter with the web and flange juxtaposed respectively upon the side face and the top edge face of the rafter, said web having an aperture at one corner adjacent said longitudinal edge and a plurality of apertures spaced along the opposite longitudinal edge, the last-mentioned apertures being so positioned that lines extending thereto from the first aperture are disposed on angles with respect to the first-mentioned longitudinal edge corresponding to the angles of horizontal bottom end cuts of hip rafters of different standard roof pitches, said web being imperforate throughout the area between the apertures, said flange having a series of marking slots extending toward the first-mentioned longitudinal edge on angles corresponding to the lines of the side cuts of the upper ends of hip rafters for roofs of the same standard pitches, whereby the implement may be laid upon a hip or valley rafter and the rafter marked through the appropriate apertures and slots to indicate the angles of the horizontal, bottom end cut and the upper end side cut, said implement further having a series of marking slots extending toward the first-mentioned longitudinal edge on angles corresponding to the angles to be cut on the top faces of hip rafters for roofs of the same standard pitches.

2,204,928
LOCKING DEVICE
Edwin S. Culver, Oakland, Calif., assignor to Oliver United Filters Incorporated, San Francisco, Calif., a corporation of Nevada
Application May 31, 1938, Serial No. 210,849
5 Claims. (Cl. 210—199)



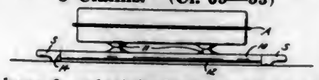
1. A clamp for locking fabric in place comprising: a base member; a groove in said member having a restricted throat; a section of hollow flexible tubing disposed in said groove, the normal diameter of said tubing being greater than the throat of said groove; a section of fabric disposed in said groove between said base member and said tubing; and means in addition to the flexibility of said tubing for distending said tubing so as to lock said fabric within said groove.

2,204,929
SHOWER BATHTUB
Isaac J. D. Fairhurst, Cedar Falls, Iowa
Application July 8, 1938, Serial No. 218,187
Renewed December 11, 1939
3 Claims. (Cl. 4—146)



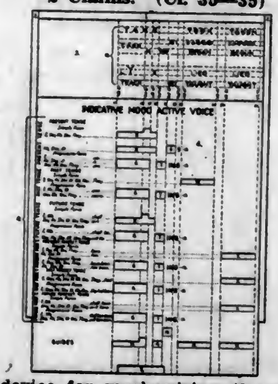
1. A shower bathtub comprising a base rim, a hollow cylindrical body member seated on the base rim and rising therefrom, a receptacle member including a well portion having drain pipe receiving openings therein, an annular seat portion formed on and extending horizontally from the upper edge of the well portion and mounted upon the upper edge of the body member for supporting the well portion in depending relation within the body member, a substantially cylindrical wall mounted on and rising from the seat portion, a rim formed on the outer edge of the seat portion and extending above and below the same to engage the body member and the cylindrical wall to hold them and the receptacle member in assembled position, said cylindrical wall having a door opening extending vertically thereof throughout its height, an open top member mounted on the cylindrical wall and including a skirt recessed about its lower edge to form a shoulder receiving the upper end of the cylindrical wall and providing an overlapping joint, tubular members slit longitudinally throughout their length to receive the vertical edge portions of the door opening and mounted thereon, and said seat portion having pipe receiving openings therein.

2,204,930
APPLIANCE BASE
William H. Fischer, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 24, 1937, Serial No. 144,460
8 Claims. (Cl. 65—53)



5. A base for electrical appliances and the like comprising a base plate having side flanges and a pair of elongated supporting elements for the ends of said base plate, said supporting elements having means projecting under said base plate to support the base plate at the corners thereof with the top of the base plate substantially flush with the top of the supporting elements, said means extending between said side flanges with the outer surfaces of said flanges substantially flush with the ends of said supporting elements.

2,204,931
APPARATUS TO MECHANIZE THE CONJUGATION OF ENGLISH VERBS
José Nieto González, Salamanca, Mexico
Application August 25, 1937, Serial No. 160,912
In Mexico September 7, 1936
2 Claims. (Cl. 35—35)



1. A device for mechanizing the conjugation of the English verbs which comprises a matrix plate of a suitable stiffness provided with edge guides; auxiliary plates movable in said guides and provided with openings arranged to register with words or parts of verbs to be conjugated and printed on an independent sheet of material to conjugate, which changes and accidents are in the intermediate surface, can be read through the openings of the auxiliary plates; in said auxiliary plates there is indicated, in the upper part, each one of the verbal moods that can be conjugated with each one of the auxiliary plates as well as the mood and whether it is active or passive voice; to the left of each one of these plates there is arranged in lines separated by blank spaces the persons, auxiliary verbs and corresponding signs to each form of each one of the different verbal tenses and moods, expressing each tense and form of the form and tense referred to, having arranged each form of the verbal persons in groups, and reading also through said openings the different tenses of the verb to be conjugated; and with an intermediate surface constituted by a sheet of paper or any other suitable material in which the list of the three fundamental forms of the

English verbs to be conjugated are hand written or printed; as well as auxiliary letters in combination with the auxiliary plates, completing the changes and accidents of the conjugation, said intermediate surface located to that end between the matrix-plate and the auxiliary plate used.

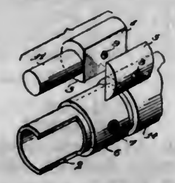
2,204,932
PROCESS FOR PRODUCING DYEINGS
Charles Graenacher, Riehen, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application July 5, 1938, Serial No. 217,633. Divided and this application March 14, 1939, Serial No. 261,841. In Switzerland February 10, 1938
4 Claims. (Cl. 8—49)

1. Process for producing dyeings by means of water-soluble acyl derivatives of sparingly soluble dyestuffs which contain in the acyl radical the group lending solubility in water by treating such acyl derivatives on substrata with saponifying agents, comprising effecting the saponification by treatment with saponifying agents in the form of vapor.

2,204,933
PROCESS FOR PRODUCING DYEINGS
Charles Graenacher, Riehen, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application July 5, 1938, Serial No. 217,633. Divided and this application March 14, 1939, Serial No. 261,842. In Switzerland July 10, 1937
6 Claims. (Cl. 8—49)

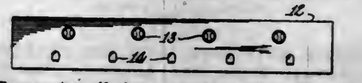
1. Process for producing dyeings by means of water-soluble acyl derivatives of sparingly soluble dyestuffs which contain in the acyl radical the group lending solubility in water by treating such acyl derivatives on substrata with saponifying agents, comprising effecting the saponification with aqueous caustic alkalies which are n/10 to n-solutions in the presence of water-soluble salts which by double reaction convert the acyl derivatives into sparingly soluble salts.

2,204,934
DETACHABLE AND FLEXIBLE TENSION RIDING ROLLERS
Conrad F. Johnsen, Omaha, Nebr.
Application February 6, 1939, Serial No. 254,975
1 Claim. (Cl. 64—5)



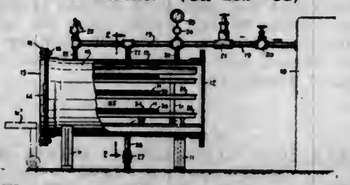
An elastic riding surfaced roller for a paper slitting and rewinding machine, comprising a tubular body having its ends cut away to provide longitudinally extending recesses therein, stub shafts mounted in the ends of said body and having flat faces disposed flush with said recesses, blocks having flat faces engageable with the first faces and outer surfaces shaped to follow the curvative of the body, collars slidably mounted on said body for disposal about the blocks, and means extending through said collars, blocks and into the stub shafts for detachably securing the latter to the body to facilitate the application and removal of the roller with respect to the machine.

2,204,935
MEANS FOR FASTENING MATRICES IN DUPLICATORS
Leonhard Kampczyk, Hanover-Kirchrode, Germany, assignor to Geha Aktiengesellschaft, Hanover, Germany, a German company
Application February 1, 1937, Serial No. 123,456
In Germany February 5, 1936
6 Claims. (Cl. 101—415.1)



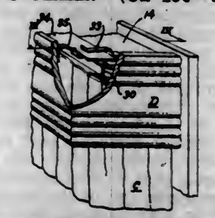
1. In a stencil for a rotary stencil printer, a plurality of resilient press stud hollow parts formed of the material of the stencil head, said parts being in the form of openings the peripheries of which are closed whereby the stencil must be displaced axially of the studs for securing the same on the studs and for removal therefrom.

2,204,936
HAIR CURLING PROCESS
Rose Kriss, East Islip, N. Y., assignor to Otto Follender, East Islip, N. Y.
Application October 15, 1938, Serial No. 235,156
3 Claims. (Cl. 132—31)



1. The process of curling hair which consists in winding the hair upon a mandrel, placing the mandrel with the hair wound thereon into an autoclave, subjecting the wound hair to the action of relatively dry steam under relatively high pressure, sampling the wound hair to determine the degree of treatment, then subjecting the wound hair upon completion of said treatment to drying process while still in the autoclave, removing the mandrel from the autoclave, and removing the hair from the mandrel to form curls.

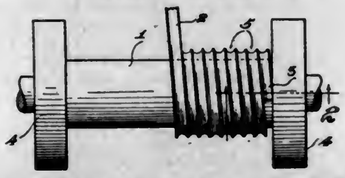
2,204,937
VENETIAN BLIND
Arthur W. Larrison, San Francisco, Calif.
Application March 7, 1939, Serial No. 260,343
8 Claims. (Cl. 156—17)



1. A Venetian blind structure comprising a pair of supporting brackets adapted to be attached in relative horizontal alignment to a window casing or adjacent wall on opposite sides of the

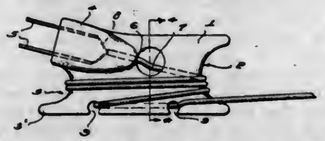
window, said brackets each having on its outer side a rod supporting member adapted to support a free end of a drape-rod, a Venetian blind unit having a head-rail adapted to engage and be supported by said brackets, said head-rail having a drape-rod mounted on and spaced from its forward edge and having its opposite free ends extended around the opposite forward corners of said head-rail and rearwardly to engage the respective rod supporting members of said brackets, and means for preventing accidental displacement of said head-rail and the free ends of said drape-rod and releasable to permit removal thereof.

2,204,938
CABLE AND ROPE WINDING DEVICE
George F. Le Bus, Longview, Tex.
Application May 4, 1938, Serial No. 206,009
4 Claims. (Cl. 242—117)



1. In a device of the character described including in combination a drum core, a strip of pliable metal being wound around the periphery of the said core and said strip secured to the peripheral surface of the drum core, the lateral edges of the strip being in contact, and the strip being so formed that a groove is provided for a cable to be wound therein.

2,204,939
COMBINATION ELECTRICAL CORD REEL AND OUTLET PLUG
Carleton R. Lyons, Elmore, Minn.
Application July 25, 1939, Serial No. 286,454
1 Claim. (Cl. 173—361)



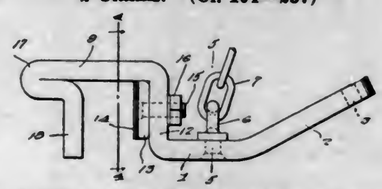
A combination reel and plug for attaching a service line to a wall socket comprising a plate of elongated rectangular form having concave ends adapting the plate for the winding of the line around the same lengthwise thereof, said plate having a barrel-like part extending lengthwise from one end and corner thereof in the plane of the plate whereby the outer end of the barrel and the adjacent opposite corner of the plate may be positioned against said socket to close the concavity in said end of the plate and thereby confine the windings to retain the same on said plate, a pair of prongs extending endwise from the outer end of the barrel-like part for plugging into said socket whereby said outer end of the part and said opposite corner are held in position against said socket, and a service line extending into the inner end of the barrel-like part and connected to said prongs, said plate being provided in one longitudinal edge thereof with spaced notches through which the line after winding is adapted to be reeved to frictionally interlock with the plate against unwinding.

2,204,940
LEAF SPRING
Gordon D. Mainard, Mattoon, Ill.
Application December 1, 1938, Serial No. 243,426
5 Claims. (Cl. 267—47)



1. A vehicle leaf spring comprising the combination of a plurality of graduated leaves arranged in uniformly spaced relation one above the other, means at the ends of the longest of the leaves to secure the said spring to a vehicle, clevis members secured to the opposite ends of each leaf above the said longest leaf and adapted to embrace but not engage the opposite longitudinal edges of the subjacent leaves, a transversely positioned roller journaled between the depending arms of each of the said clevis members and held in close frictional engagement with the bottom face of the said longest leaf, the ends of the leaves above the longest leaf being unconstrained except through the medium of the rollers, a bolt passing through registering openings in the several leaves intermediate their ends, and spacers carried by the said bolt arranged between the leaves and functioning to maintain the same in spaced relation with each other.

2,204,941
SCOTCH FOR MINE CARS
Charles H. Mead, Beckley, W. Va.
Application June 12, 1939, Serial No. 278,800
2 Claims. (Cl. 104—257)

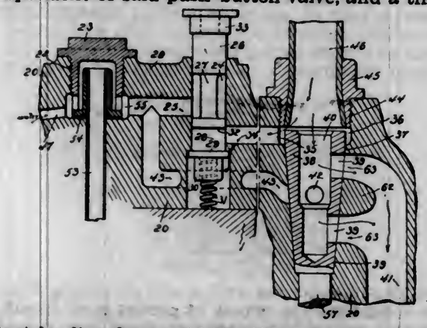


1. A mine car scotch comprising a handle, a substantially U-shaped jaw including spaced legs on one end of said handle adapted to straddle the ball of a rail in spaced relation to the sides of said ball, one end of said jaw being engageable by the flange of a car wheel for "cocking" the jaw on the rail for frictionally clamping said jaw on said rail, and a plate including vertical teeth immovably secured on the inside of one of the legs of the jaw for gripping the rail.

2,204,942
ROCK DRILL
Ezra B. Mead, Ottumwa, Iowa, assignor to Hardsocg Wonder Drill Co., Ottumwa, Iowa, a corporation of Iowa
Application July 26, 1939, Serial No. 286,675
6 Claims. (Cl. 121—10)

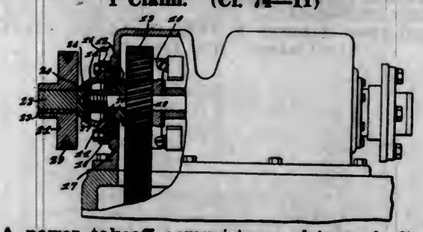
1. In a rock drill, having a back head unit and a blow tube carried thereby, and having a working chamber, a main throttle valve carried in said head, said head having an air receiving chamber in communication with said throttle valve, means to deliver compressed air into said air receiving chamber, a duct between said air receiving chamber and the entrance of said blow tube, a push-button valve for controlling passage through said duct, said duct being independent of said throttle

valve, another duct leading from said throttle valve to the entrant end of said blow tube independent of said push-button valve, and a third



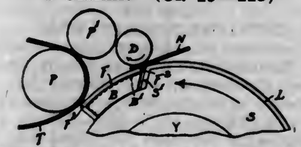
duct leading from said throttle valve toward the working chamber of the drill, said throttle valve having ports for communication with said second and third ducts separately.

2,204,943
GENERATOR DRIVE
Walter F. Mercer, Satanta, Kans.
Application May 20, 1938, Serial No. 209,154
1 Claim. (Cl. 74—11)



A power takeoff comprising a driven shaft, a casing for the shaft, a cylindrical cap bolted to the casing, said cap having a rounded end wall spaced from the end of the shaft, there being a bearing opening formed centrally in the rounded end wall in alignment with the shaft, a stub shaft rotatingly mounted in the bearing opening and extending through the opening at both ends, a hub on the shaft, ball bearings between the hub and the cylindrical cap, the inner end of the stub shaft having an internally threaded bore, the end of said driven shaft being threaded and being received in said bore, a pulley secured to the outer end of the stub shaft, and a packing washer surrounding the stub shaft and confined against the inner face of the rounded end wall at said bearing opening to seal said bearing opening.

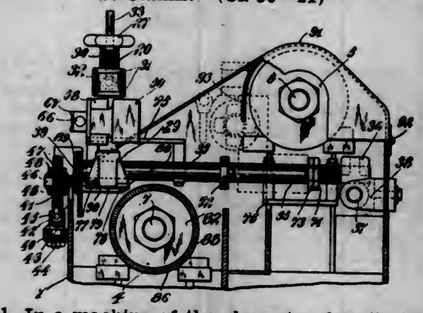
2,204,944
COMBING MACHINE
John William Nasmith, Heaton Mersey, Manchester, England
Application December 14, 1938, Serial No. 245,635
In Great Britain January 5, 1938
4 Claims. (Cl. 19—118)



1. In a combing machine for textile fibres, such

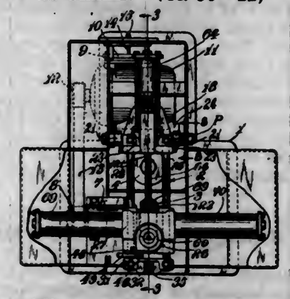
machines having a rotating combing cylinder and a segment, upon such cylinder, a detaching roller which makes intermittent contact with such segment to form a detaching nip for a tuft of fibres, a movable member forming part of such segment and providing a continuation of the surface of the same at commencement of the detaching of a tuft of fibres, and means for causing the rise of such movable member immediately after the detaching has commenced, with resultant lifting of the tips of the fibres from the arcuate plane of the cylinder segment, for the purpose set forth.

2,204,945
MILLING MACHINE
Robert B. Parker, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 31, 1937, Serial No. 161,823
27 Claims. (Cl. 90—11)



1. In a machine of the character described, in combination, relatively rotatable circular forming members, means for rotating said members independently of any movement of the work with respect thereto, and work supporting and guiding means for guiding the work into and supporting it in cooperating forming relation with respect to said forming members, said supporting and guiding means constructed and arranged to preclude the existence of forming relation of the work with more than one of said forming members at a time and serving to support and guide the work during its transition from one forming member to the other.

2,204,946
MILLING MACHINE
Robert B. Parker, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application September 3, 1937, Serial No. 162,276
22 Claims. (Cl. 90—11)



1. In a milling machine, in combination, relatively rotatable face and side milling cutters,

means for driving said cutters, work supporting and guiding means for locating and supporting the work in operative relation with respect to said cutters one at a time, and motor operated means for moving the work relative to said face cutter to effect the face milling operation, for thereafter locating the work in operative position with respect to said side cutter and for moving the work relative to said side cutter to present different portions of the side of the work successively to the side cutter to effect the side milling operation.

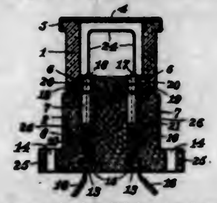
2,204,947
COSMETIC WIPER
Herman Apfelbaum, Brooklyn, N. Y., assignor to Abe Maskow, New York, N. Y.
Application August 30, 1939, Serial No. 292,733
8 Claims. (Cl. 132—78.5)



1. In combination, a cord having a stop disposed intermediate the upper and lower portions thereof, a hollow jacket having an upper portion including guide means threadably receiving and slidably guiding said cord, a handkerchief comprising corner portions and having a central zone portion carried by said lower portion of said cord, said handkerchief adapted to be retractively moved into said jacket upon the application of a thrust to said cord in a direction away from said upper end, said zone portion cooperating with said guide means to limit said retractive movement of said handkerchief into said jacket to prevent entrance of said corner portions into said jacket during said retractive movement, said jacket having a lower rim cooperating with said handkerchief upon said retractive movement for automatically folding said handkerchief, said jacket having sides frictionally cooperating with said handkerchief in the retracted relation of the latter to prevent accidental withdrawal of said handkerchief from said jacket, said corner portions in the fully retracted relation of said handkerchief extending beyond said rim and outside of said jacket and constituting manipulatable means for withdrawing said handkerchief outside of said jacket, said intermedially disposed stop constituting means to limit the extent of the withdrawal of said handkerchief from said jacket.

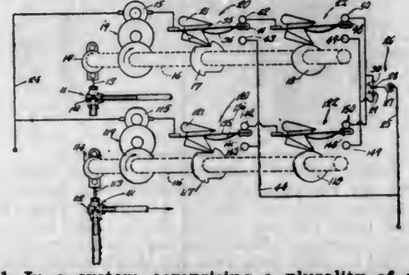
2,204,948
FUSE PLUG AND RECEPTACLE BASE THEREFOR
Roscoe V. Pond, Tucson, Ariz.
Application January 3, 1939, Serial No. 249,081
2 Claims. (Cl. 200—119)

1. An improvement in electrical fuse plugs consisting of an insulator casing, a recess formed within said casing, a transparent disc mounted upon said casing for closing the open end of said recess, a pair of openings formed through said casing and being in connection with said recess, a pair of eyelets each fixedly mounted within one of said openings, a pair of insulator members



each fixedly mounted within and extending from one of said eyelets, a pair of prongs each fixedly mounted within and extending from one of said insulator members and an electrical fuse element situated within said recess and having each end mounted upon and supported by one of said prongs.

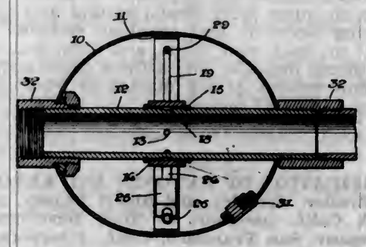
2,204,949
CONTROL SYSTEM FOR A PLURALITY OF MOTORS
Arthur L. Riche, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application January 8, 1938, Serial No. 183,950
14 Claims. (Cl. 172—239)



1. In a system comprising a plurality of apparatuses each requiring operation in individual part cycles and each including an electric motor, a power supply, conductors constituting a plurality of starting control channels, each of which is common to all said apparatuses, and a starting switch for completing starting circuits through separate starting control channels; the combination with each motor, of: a starting channel selector switch for said motor operated thereby for preparing starting circuits for said motor through said separate control channels; means for connecting said motor separately (1) to said selector switch for energizing the motor through a starting circuit and (2) to said power supply for maintaining energization of said motor independently of said starting circuits; said means including a double throw switch operated by said motor.

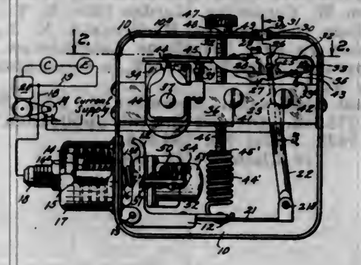
2,204,950
AIR-LINE LUBRICATOR
Horace Frederick Macdonald Rouse, Johannesburg, Transvaal, Union of South Africa
Application October 6, 1938, Serial No. 233,537
In the Union of South Africa October 14, 1937
7 Claims. (Cl. 184—55)

1. A lubricator adapted for insertion into an air line comprising a container for the lubricant surrounding the air line; a nozzle opening into a narrow passage between a tube communicating with the air space in the container above



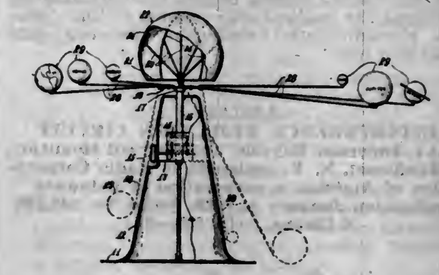
the oil and a tube communicating with the oil in the container, and balance weights to maintain the parts in proper operative position.

2,204,951
REFRIGERANT COMPRESSOR CONTROL SYSTEM
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application July 5, 1938, Serial No. 217,434
13 Claims. (Cl. 62—4)



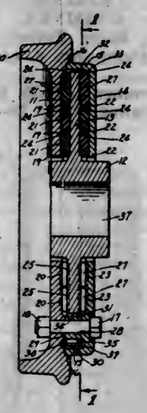
1. In a refrigerant compressor control system, means responsive to the suction pressure of a motor operated refrigerant compressor, a switch in circuit with the motor thereof, said switch including an armature, means for limiting the movement thereof, a magnet for attracting said armature, a spring urging said armature away from said magnet and a lost motion connection between said suction pressure responsive means and said armature to widen the differential of operation of said switch, said lost motion connection comprising a slot and an actuating traveler therein, an adjusting traveler in said slot to change the effective length thereof, said actuating traveler being positionable in said slot on either side of said adjusting traveler to widen said differential of operation in either the cut-in or cut-out direction of movement of said suction pressure responsive means, the connection between said suction pressure responsive means and said armature including a leaf spring permitting additional movement of said suction pressure responsive means after said actuating traveler has reached the end of its slot, said actuating traveler has actuated said armature and the movement of the armature has been limited by said limiting means.

2,204,952
ASTRONOMICAL TOY
Wilhelmina Wittigschlager, Miami, Fla., assignor of forty-nine per cent to Edith Marthis, Miami, Fla.
Application March 8, 1940, Serial No. 323,028
12 Claims. (Cl. 35—45)



1. In an astronomical toy, the combination of a standard, a hub rotatable about a vertical axis on said standard, a sphere representing the Sun supported above the axis of said hub, a plurality of supports each connected at one end to said hub for independent swinging in a vertical plane, a sphere representing a planet carried on the free end of each support, said supports normally hanging substantially vertically, and means to rotate said hub to carry said supports and planets into a substantially horizontal plane for movement around said Sun.

2,204,953
RESILIENT CAR WHEEL
Russell J. Wittmer, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application January 11, 1937, Serial No. 119,940
8 Claims. (Cl. 295—11)



8. A car wheel comprising a tread and hub, a pair of flanges extending radially from said hub, a flange extending from said tread inwardly between said hub flanges, a plurality of compressible rubber blocks between said flanges acting in shear for cushioning relative movement between said tread and hub, said tread flange having an

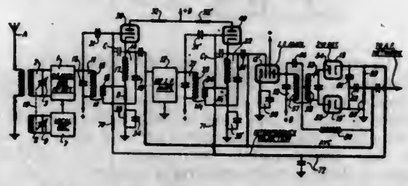
opening therein, means on said hub flanges adjacent said opening adapted to contact portions of said tread flange surrounding said opening to limit relative axial movement between said tread and hub, and means extending from one of said hub flanges through said opening adapted to engage the other of said hub flanges to limit compression of said blocks upon assembly of the parts, said last named means having portions adapted to engage the walls of said opening to limit relative circumferential movement between said tread and hub.

2,204,954

INTERFERENCE REJECTION CIRCUIT

Earl I. Anderson, Bayside, and Garrard Mountjoy, Manhasset, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application January 4, 1939, Serial No. 249,200
6 Claims. (Cl. 250—20)



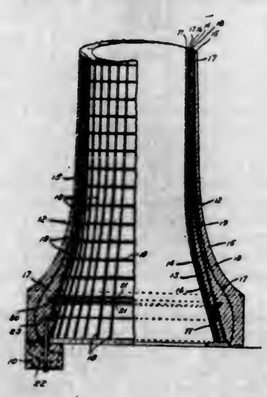
4. In a superheterodyne receiver of the type provided with an intermediate frequency transmission network; the method which includes transmitting intermediate frequency energy through said network with substantially complete rejection of signals of a frequency spaced by a predetermined amount from the intermediate frequency value, and automatically decreasing the frequency spacing magnitude between the rejection frequency and the intermediate frequency value upon a frequency shift of the intermediate frequency energy towards said rejection frequency value.

2,204,955

CHIMNEY

Frank F. Beeby, River Forest, Ill., assignor to Cement Gun Company, a company of Delaware

Application November 6, 1939, Serial No. 302,955
6 Claims. (Cl. 72—83)



1. A double chimney comprising an inner chimney, a layer of compressible heat resistant and heat insulating matter covering the outside surface of the inner chimney, and an outer chimney engaging the outer surface of said layer of compressible material, said outer chimney comprising an inner dense heat-resisting and heat-insulating layer of fine granular material resistant to heat and acids and heat-resistant cementitious material, and a thick dense body of sand and cement at the outside of such inner layer and integral therewith.

2,204,956

PURIFICATION OF KETONES AND KETOLS

Fritz Bresler, Berkeley, and Albert Drasky, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 4, 1939, Serial No. 254,690
5 Claims. (Cl. 202—57)

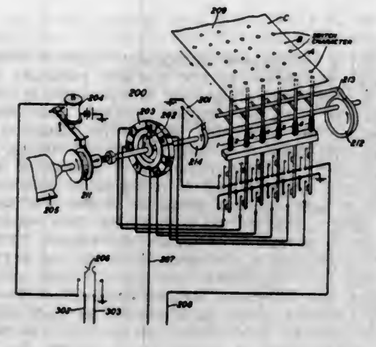
1. A process for the purification of methyl ethyl ketone which is contaminated and discolored by the presence of color-imparting diketone impurities in the nature of ketone oxidation products, which comprises contacting the liquid discolored ketone with an aqueous ammonia solution until the ketone is substantially water-white, and separating the purified methyl ethyl ketone from the mixture.

2,204,957

AUTOMATIC CALL RECORDING SYSTEM

Warren W. Carpenter, Garden City, N. Y., and William H. Matthies, Hackensack, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application November 6, 1937, Serial No. 173,144. Divided and this application May 25, 1938, Serial No. 209,930
10 Claims. (Cl. 164—115)



1. In a telephone system adapted for automatic call recording in which means are provided for making a tape record for a group of telephone lines containing notations thereon which relate to calls completed from said lines, a tape subdivider comprising means responsive to said notations for producing a plurality of punched tape records, each individual to a line and containing thereon all the notations for all calls completed from said line.

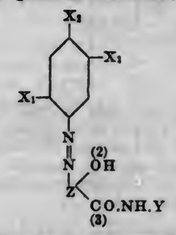
2,204,958

MONOAZO DYESTUFFS INSOLUBLE IN WATER

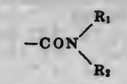
Ernst Fischer, Offenbach-on-the-Main, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application January 4, 1939, Serial No. 249,249. In Germany January 6, 1938
4 Claims. (Cl. 260—152)

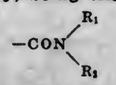
1. The water-insoluble monoazo dyestuffs of the following general formula:



wherein X_1 stands for a member of the group consisting of hydrogen, alkyl, alkoxy, benzyloxy, phenoxy and halogen, X_2 and X_3 stand for members of the group consisting of hydrogen, alkyl, alkoxy, benzyloxy, phenoxy, halogen and the group



always one of the two substituents X_2 and X_3, not both simultaneously, being the group



R_1 and R_2 being members of the group consisting of alkyl, benzyl, radicals of the benzene and naphthalene series and hydroaromatic radicals which may be connected in a heterocyclic ring system, Z stands for a radical of the group consisting of carbazole, diphenylene oxide and diphenylene sulfide and Y stands for a member of the group consisting of radicals of the benzene and naphthalene series, being insoluble in water, but very easily soluble in organic solvents and yielding generally brown tints of good properties of fastness.

2,204,959

SINTERED BINDING AGENT OF THE PORTLAND CEMENT TYPE AND PROCESS FOR MANUFACTURING SAME

Gerhard Frenkel, Rudersdorf, near Berlin, Germany

No Drawing. Application July 19, 1938, Serial No. 220,154. In Germany July 19, 1937
12 Claims. (Cl. 106—25)

1. Method of forming a sintered binding agent with a carbonate of lime content of the Portland cement type characterized by high strength and low shrinkage, which comprises preparing a raw mixture containing limestone and iron ore, said mixture having as components silica, alumina, and iron oxide adjusted to a silicate modulus between 1.75 and 2.00, the content of alumina being adjusted to an alumina modulus between 0.70 and 0.90, and sintering said mixture.

2,204,960

3'-HALOGEN-BENZOYL-2-BENZOIC ACID-4'-SULPHONIC ACIDS AND PROCESS OF MAKING THE SAME

Sebastian Gassner and Berthold Bienert, Leverkusen-I. G. Werk, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application January 24, 1939, Serial No. 252,592. In Germany January 25, 1938
7 Claims. (Cl. 260—507)

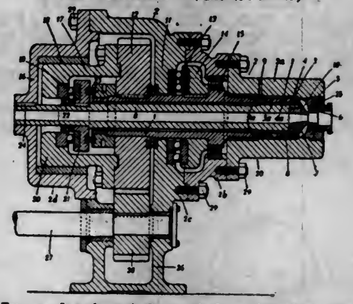
1. The process which comprises causing a salt of a 3',4'-dihalogen-benzoyl-2-benzoic acid to react with a sulphite in aqueous solution.

2,204,961

METAL EXTRUSION MACHINE

George Thomas Wilson Grieve, Woolwich, London, England, assignor to Henley Extrusion Machine Company Limited, London, England, a British company

Application June 22, 1938, Serial No. 215,199
In Great Britain June 30, 1937
24 Claims. (Cl. 207—2)



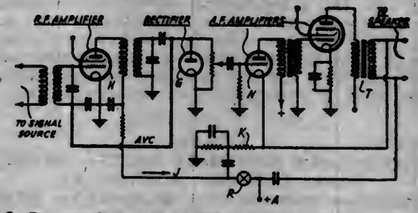
1. In a horizontal metal extrusion machine comprising a screw thread impelling device, consisting of an inner member and a tubular outer member, by which the metal to be extruded is driven forward in a plastic state, a driving wheel on one of the members of the impelling device, and a casing housing the impelling device and said driving wheel, the parts of said casing that are subjected to thrust loads exerted by the plastic metal being symmetrical about the axis of the impelling device.

2,204,962

AUTOMATIC VOLUME CONTROL

Rainer Hildebrandt, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application September 29, 1938, Serial No. 232,254
In Germany September 14, 1937
9 Claims. (Cl. 250—20)



8. In combination with at least two cascaded signal transmission tubes, a signal feedback path

between the output and input of the second tube, and means, including an element in the space current path of said first tube, for controlling the magnitude of signal feedback in response to the amplitude variation of the signal.

2,204,963

CELLULOSE COATING SOLVENT COMPOSITION

Percy E. Joyce, Yokohama, Japan, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 7, 1939, Serial No. 255,085. In France September 9, 1938

2 Claims. (Cl. 134—79)

1. A pyroxylin coating composition comprising a solvent composition which contains a mixture consisting of 70 to 95 volume per cent secondary butyl acetate and from 5 to 30 volume per cent diacetone alcohol, said mixture comprising from 5 to 45 volume per cent of the total solvent content.

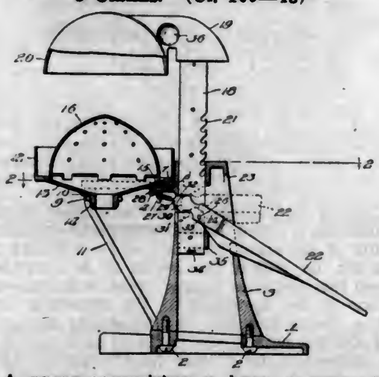
2,204,964

FRUIT JUICE EXTRACTOR

Paul F. Koch, Oak Park, Ill., assignor to Chicago Die Casting Manufacturing Company, a corporation of Illinois

Application July 11, 1938, Serial No. 218,586

3 Claims. (Cl. 100—43)



1. A press comprising a base, a support on said base for receiving an object to be pressed, a presser foot adapted to overlie an object engaging said support, a bar on one end of which said presser foot is fixed, said bar being slidably mounted in said base to permit said presser foot to move from and toward said support, said bar having a row of ratchet teeth distributed lengthwise of the same, a handle having a fixed pawl element adapted to cooperate with the ratchet teeth to move said presser foot downward step by step toward the support, said handle being mounted in the base for swinging movements and also for a lengthwise movement to permit the pawl element to be moved laterally into and out of engagement with the teeth, and a shoulder on said bar in position to engage with said pawl and hold the bar against downward movement when it is brought into its raised position.

2,204,965

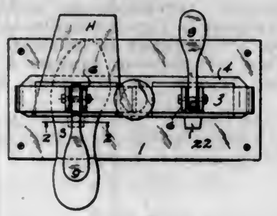
APPARATUS FOR HALF-SOLING SHOES

Walter Lookofsky, Mayfield, Ky.

Application September 2, 1938, Serial No. 228,076

7 Claims. (Cl. 12—17)

1. In a device for use in half-soling shoes, members having opposed faces arranged to receive between them the forward portion of a shoe outsole shank and the rear portion of a half sole to be joined to said shank, and means for thrusting said members towards each other to clamp



said shank and half sole together, one of said members having a part thin enough to insert between the outsole shank and the adjacent portion of the upper and narrow enough to insert between the lines of stitching connecting the outsole shank and the upper.

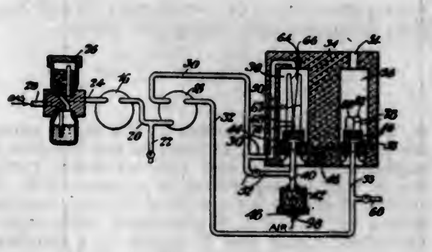
2,204,966

GAS ANALYZING APPARATUS

John D. Morgan, South Orange, N. J., and Alan P. Sullivan, Jackson Heights, N. Y., assignors to Power Patents Company, Hillside, N. J., a corporation of Maine

Application April 16, 1937, Serial No. 137,167

2 Claims. (Cl. 23—255)



1. In a gas analyzer, a combustion cell having mounted therein catalyst and non-catalyst legs of a Wheatstone bridge electric circuit, said legs comprising platinum alloy wires of substantially identical dimensions with a heat radiating nickel plating on the non-catalyst leg.

2. A gas analyzer unit comprising an air analyzer cell, a gas analyzer cell, a combined pump and mixing chamber, means for introducing to said pump at a uniform pressure and rate a stream of gas to be analyzed, means for conducting a stream of air to be analyzed from atmosphere successively through the air analyzer cell and into the pump, means for conducting a mixture of air and gas at a controlled rate from the pump into the gas analyzer cell, catalyst wires mounted in each cell adapted to promote combustion of combustible components in the air and gas streams respectively passing therethrough, and means for heating said catalyst wires electrically to temperatures at which combustion of combustible components will take place within the cells.

2,204,967

PROCESS FOR LOWERING THE POUR POINTS OF MINERAL OILS

Franz Rudolf Moser, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 25, 1933, Serial No. 690,949. In the Netherlands September 27, 1932

16 Claims. (Cl. 196—151)

1. The method of lowering the pour point of a viscous mineral oil containing waxy components, which comprises incorporating into said oil the active substances separated from pyrogenous condensation products from mineral oil by precipitation with an aliphatic solvent.

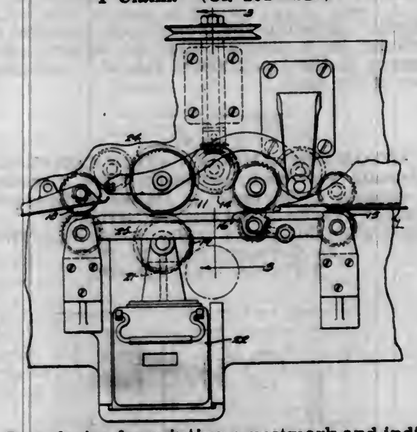
2,204,968

PRINTING DIE PROTECTION MEANS

Jacob W. Ogden, Springdale, Conn., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware

Application June 9, 1938, Serial No. 212,647

1 Claim. (Cl. 101—216)



In a device for printing a postmark and indicia stamp upon letters, a rotary printing member having a postmark die and an indicia die thereon, said postmark die comprising an oval configuration, an impression roller, and a drive for said rotary printing member to rotate same at a speed which is greater than the speed of the impression roller, whereby the printed impression of the oval shaped postmark die will become circular shaped and the indicia impression will be proportionately shorter than the indicia printing die.

2,204,969

SEPARATION OF ORGANIC SULPHONATES

Joseph Henry Percy, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application June 23, 1939, Serial No. 280,812

22 Claims. (Cl. 260—504)

1. A process of separating sulphonating agent from organic sulphonates which comprises admixing, in the presence of water, a composition containing a sulphonating agent and an acid organic sulphonate, with an inorganic salt composition comprising an alkali metal halide in such proportions so that an aqueous salt solution separates, having a specific gravity greater than 1.21 as compared with water at the same temperature.

2,204,970

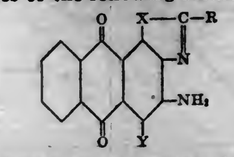
DYESTUFF INTERMEDIATES OF THE ANTHRAQUINONE SERIES

William L. Rintelman, Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 25, 1936, Serial No. 112,704

3 Claims. (Cl. 260—303)

1. The new C-aryl-1,2-anthraquinonethiazoles and oxazoles of the following formula



wherein X stands for an element of the class consisting of sulfur and oxygen, Y stands for an element of the class consisting of hydrogen and halogen and R stands for an aryl radical of the class consisting of those of the benzene, naphthalene, and anthraquinone series.

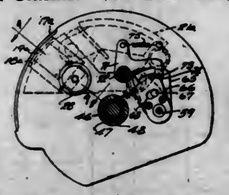
2,204,971

DISAPPEARING PRINTING DIE CONTROL

Francis J. Rouan and Earl H. Sorgatz, Stamford, Conn., assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware

Application April 27, 1938, Serial No. 204,490

4 Claims. (Cl. 101—110)



1. In a device of the class described, the combination of a printing drum having a relatively fixed stamp printing die surface, a disappearing die adjustably positioned within the printing drum, a manual control member to adjust said disappearing die to or from a printing position, latch means operable to latch the disappearing die in either a printing or a non-printing position, and means to control the release of said latch means upon the initial movement of the manual control member.

2,204,972

TAPE CONTROL DEVICE

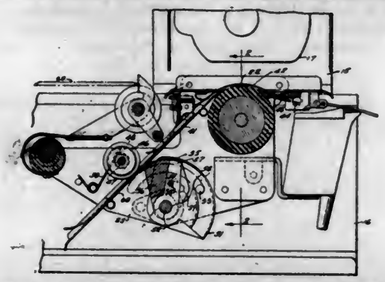
Francis J. Rouan, Stamford, and Harry L. Prior, Springdale, Conn., assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware

Application May 13, 1938, Serial No. 207,668

7 Claims. (Cl. 101—227)

1. The combination with a tape printing device which is adapted to print and advance a strip of tape after printing, and a cutting device which is adapted to cut the printed portion of the tape after each printing operation; of a rotatable tape retracting member having a frictional tape engaging surface, a pressure member engageable with the tape at a position opposite the position of engagement of the tape retracting member, means to rotate said tape retracting member once during each printing cycle of operation in a di-

rection opposed to the normal printing feed of the tape to thereby retract the leading end of the tape to a printing position after cutting, and a shutter member movable through the path of the



retracting member to a position opposite the pressure member, whereby the tape engaging surface of the retracting member is obstructed from engagement with the tape when the printing of tape is not to be effected.

2,204,973

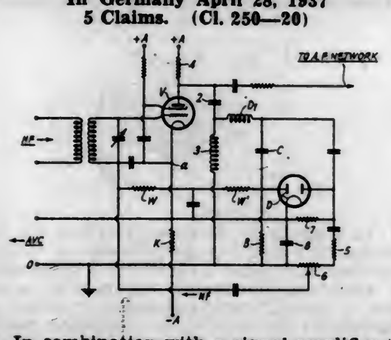
AUTOMATIC VOLUME CONTROL CIRCUITS

Joachim Steinmetz, Berlin-Tempelhof, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie mit beschrankter Haftung, Berlin, Germany, a corporation of Germany

Application April 28, 1938, Serial No. 204,723

In Germany April 28, 1937

5 Claims. (Cl. 250—20)



2. In combination with a signal amplifier tube having at least a cathode, a signal grid and an output plate, means responsive to space current amplitude of the tube for establishing the cathode at a positive potential with respect to a fixed potential point, a resistor connecting the grid to said fixed point to establish the grid at a negative bias, a signal rectifier circuit comprising a diode including said resistor in circuit therewith as the load impedance, direct current voltage variations developed across said resistor due to signal rectification being amplified by said tube, and means for deriving amplified direct current voltage variations from said responsive means.

2,204,974

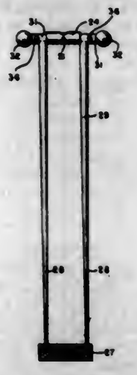
GOLF CLUB

Robert Strasser, Hollis, N. Y.

Application September 26, 1938, Serial No. 231,699

2 Claims. (Cl. 273—77)

1. A golf putter comprising shaft means, a head secured to the end of the shaft means and having a striking face with a longitudinal axis, said head being at right angles to the axis of the shaft means so that it can be swung by a player straddling a ball, a cross bar extending sidewise from opposite sides of the shaft means at the upper end thereof and parallel to the longitudinal axis of the striking face, and a pair of spaced



handles carried by the cross bar, the handles extending in a general direction laterally with respect to the longitudinal axis of the striking face of the head.

2,204,975

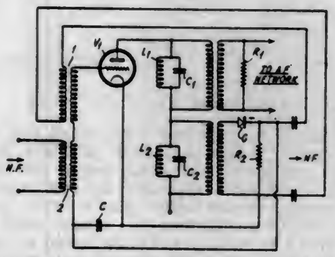
AUTOMATIC AMPLIFICATION CONTROL

Dietwald Thierbach, Berlin-Spandau, Germany, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany

Application March 29, 1938, Serial No. 198,648

In Germany April 26, 1937

2 Claims. (Cl. 250—20)



1. In combination with a transmission tube having input and output electrodes, a signal input circuit coupled to the input electrodes and impressing thereon carrier frequency energy modulated by frequencies chosen from a different frequency range, a carrier frequency output circuit coupled to the output electrodes, means for deriving voltages of the modulation frequencies from the energy in the output circuit, means for impressing the derived voltage upon said input electrodes, a second output circuit coupled to said output electrodes for developing voltage of said modulation frequencies, means for controlling the amplification of said tube, and the internal resistance of said tube having a magnitude intermediate the magnitudes of the resistances of said two output circuits and the resistance magnitude of said modulation output circuit exceeding that of the carrier output circuit and tube internal resistance whereby said amplification control is effective solely at carrier frequency.

2,204,976

PROCESS AND PRODUCTS RELATING TO CAPILLARY-ACTIVE SULPHONIUM SULPHATES

Adrianus Johannes Van Peski and Johan Marius Hoeffelman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 19, 1938, Serial No. 220,130. In the Netherlands August 27, 1937

20 Claims. (Cl. 260—457)

1. A process for the production of capillary-active sulphonium sulphates which comprises the steps of causing sulphuric acid of from about 96 to 100% concentration to react with a primary aliphatic thioether containing less than ten carbon atoms and a saturated primary aliphatic alcohol containing more than five carbon atoms, and recovering the capillary-active sulphonium sulphate from the reaction mixture.

2,204,977

MOISTENING AND STRIP SERVING DEVICE

Walter von Nessen and Fritz Lemle, New York, N. Y., assignors, by direct and mesne assignments, to Fred J. Mallet, Philadelphia, Pa.

Application October 11, 1938, Serial No. 234,368

14 Claims. (Cl. 91—14.5)



1. In a device for moistening envelopes, labels, stamps and strips in combination, a frame, means for moistening a surface brought into contact therewith, two guiding surfaces arranged on said frame parallel to each other but separated by a certain distance for forming a guiding slot adapted to guide an article introduced between them over said moistening means and means adapted to interrupt said guiding slot at at least one intermediate point for forming at least two separate guiding slots.

2,204,978

METHOD FOR PRODUCING CYCLOHEXANE AND ACETONE

Edward P. Bartlett, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 4, 1939, Serial No. 265,932

18 Claims. (Cl. 260—596)

1. A process for the simultaneous production of cyclohexane and acetone which comprises reacting isopropanol and benzene at a pressure above atmospheric, at an elevated temperature of at least 70° C., and in the presence of a catalyst which is active for dehydrogenation and hydrogenation.

2,204,979

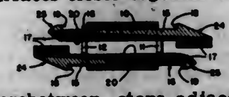
WIRE CONNECTOR

Stephen N. Buchanan, Westmoreland Hills, Md., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey

Original application March 13, 1937, Serial No. 130,681. Divided and this application May 4, 1939, Serial No. 271,663

3 Claims. (Cl. 24—126)

1. A wire connector comprising a tubular means the ends of which form spaced edges and the interior thereof providing parallel guides, a pair of clamping members slidably carried within the tubular means, each clamping member having a clamping surface and a slide for engagement with the guide of the tubular means, the clamping surface tapering with respect to the slide, the clamping members being positioned within the tubular means so that the tapers formed by the respective slide and clamping surface extend in opposite directions, whereby forcing of the clamping members in opposite directions brings the clamping surfaces closer together to grip a wire



or wires therebetween, stops adjacent the ends of each clamping member to engage the spaced edges of the tubular means and spaced apart a distance greater than the distance between the spaced edges of the tubular means, each clamping member having an edge parallel with the slide and each edge opposing that of the other clamping member, and means engaging the opposed edges of the clamping members to slidably retain the latter in spaced assembled relation with each other within the tubular means.

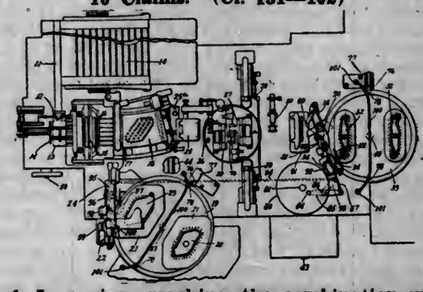
2,204,980

HIGH SPEED CIGAR MACHINE

Sigurd Clausen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application April 29, 1936, Serial No. 76,933

10 Claims. (Cl. 131—102)



1. In a cigar machine, the combination with a plurality of leaf supporting suction beds having binder cutting dies, of mechanism for successively moving said beds into delivery position, means located adjacent the path of said beds and moving over the die at delivery position and cooperating with said dies successively to cut binders from leaves carried thereon to said delivery position, a bunch rolling table, means to remove successive binders from said dies at said delivery position and position them upon said table for rolling with filler tobacco into a bunch, a shaper device, and means for transferring bunches from said table into said device, said mechanism including a rotary turret whereon said beds are fastened with their dies disposed so that they will successively lie in normal binder-cutting position at said delivery position.

2,204,981

COATING COMPOSITION

John Waldo Clough, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 16, 1937, Serial No. 148,512

2 Claims. (Cl. 134—79)

1. A flat, non-burnishing coating composition

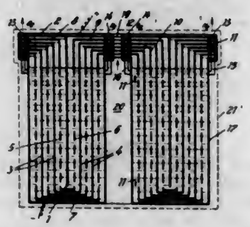
comprising a cellulose derivative and a flatting agent consisting of powdered commercial silica gel present in amounts between the ratios of 10 parts by weight of cellulose derivative and 0.5 part by weight of said flatting agent and 10 parts by weight of cellulose derivative to 10 parts by weight of said flatting agent, the said silica gel containing about 3 to 7% of water.

2,204,982

ELECTROLYTIC WATER DECOMPOSER

Heinz Dähling, Berlin-Haselhorst, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application September 18, 1936, Serial No. 101,390
In Germany September 30, 1935
5 Claims. (Cl. 204—5)



1. An electrolytic water decomposer having a tubular central electrode and a plurality of concentric pairs of radially spaced tubular electrode elements, one pair nested into the annular space formed by the other pair and in spaced relation thereto, each pair having its two component elements electrically connected and located respectively externally and internally of said central electrode at an equal radial distance therefrom, means for passing current radially from said tubular central electrode through said electrode pairs so as to render the component elements of each pair bipolar electrodes and of similar external and similar internal polarity, said means having conductors of different polarity connected with said central electrode and with the electrode pair including the outermost tubular element respectively, and diaphragms spaced between successive internal and external electrode elements.

2,204,983

DIAMIDINO STILBENES AND PROCESS OF MAKING THEM

Arthur James Ewins, Gidea Park, Romford, and Julius Nicholson Ashley, Upminster, England, assignors to May & Baker, Limited, London, England, a company of Great Britain

No Drawing. Application January 24, 1939, Serial No. 252,554. In Great Britain February 1, 1938
5 Claims. (Cl. 260—564)

1. Process for the preparation of amidine derivatives of the stilbene series of the type Am.B.CH=CH.B.Am. in which Am. represents the amidine group and B represents a phenyl nucleus, by treating dicyano compounds of the stilbene series with a member of the group consisting of anhydrous alcoholic hydrogen chloride and anhydrous alcoholic hydrogen bromide whereby the corresponding imino-ether hydrochlorides and imino ether hydrobromides are formed which are then treated with ammonia whereby they are converted into the amidines.

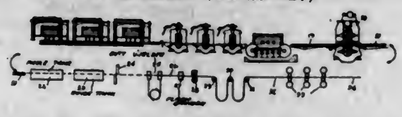
2. 4,4'-diamidino stilbene.

2,204,984

METHOD OF AND APPARATUS FOR MAKING SHEETS

Ray M. Fenton, Youngstown, Ohio

Application March 20, 1936, Serial No. 69,937
5 Claims. (Cl. 29—17)



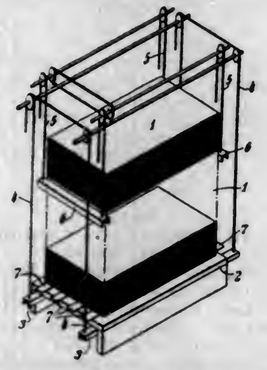
1. In a method of producing steel sheets, uniform as to gauge and having similar characteristics, the steps of hot rolling sheet bars by single passes through a plurality of breakdown mills in tandem; semi-finishing the batch of sheets so produced by passing and repassing as a batch through a reversing mill; butt-welding the several pieces of such batch in end to end relation into a single work-piece; full finishing such work-piece on a continuous finishing mill; and separating the several sheets along the lines of the several welds.

2,204,985

AUTOMATIC SHEET FEEDING APPARATUS

Thomas Shirley Foweraker, Bristol, England, assignor to E. S. & A. Robinson, Limited, Bristol, England, a company of Great Britain and Northern Ireland

Application October 16, 1939, Serial No. 299,651
In Great Britain October 17, 1938
3 Claims. (Cl. 271—62)



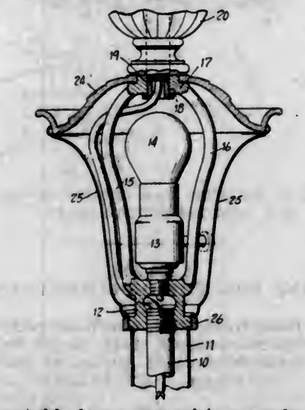
1. Automatic sheet feeding apparatus of the kind employing a set of lifting bars or other suitable mechanism attached to a series of primary chains wherein a set of secondary chains is combined with the apparatus and are caused to rise automatically by a picking device, such secondary chains being capable of being used alternatively with the primary chains and carrying a pair of adjustable lifting bars to support or carry loose laths or the like which are initially placed under each pile upon each table or board and project beyond the edges of each table or board and beyond the adjustable lifting bars mentioned above, and to be engaged therewith to take care of the end of the run of the pile of sheets whilst another pile of sheets is being placed in position and engaged with the primary chains, the organization being such that the operation of the printing machine is continued while a new pile of sheets is being introduced into the sheet feeding apparatus.

2,204,986

PORTABLE LAMP

James Gould, Jr., Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application September 6, 1939, Serial No. 293,530
4 Claims. (Cl. 240—81)



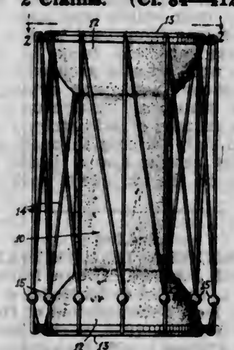
4. A portable lamp comprising a column having an inner pipe threaded at the top, an outer ornamental tubing, a member forming a combined clamping ring, apertured hickey and harp and threaded onto the pipe above the ornamental tubing and bearing on the top of the outer tubing, a secondary lamp socket and lamp bulb secured inside the harp, a centrally apertured light transmitting cover supported at the top of the harp, an opaque housing extending from below the hickey aperture up to the edge of the diffusing cover, a housing supporting ring threaded onto said member, a coupling secured to the top of the harp and extending through the diffusing cover, and a lamp head having a primary light source, the lamp head being carried by the coupling and securing the diffusing cover in place.

2,204,987

DRUM

William Gussak, Jackson Heights, N. Y.

Application October 5, 1938, Serial No. 233,351
2 Claims. (Cl. 84—412)



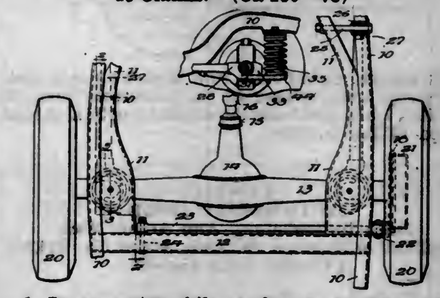
1. A percussion instrument comprising an elongated cylindrical body having enlarged and outwardly curved cup-shaped open end portions, a vibratory head covering said open end portions, means for maintaining said vibratory heads in a stretched condition over said open end portions, a plurality of tension cords interconnecting said opposing stretching means, said cords normally extending in a straight line between said vibratory heads and being free of contact with said cylindrical body whereby melodic intervals may be produced by varying the degree of pressure on said tension cords during the playing operation.

2,204,988

SUSPENSION MEANS FOR DRIVE AXLES

Jules Haltenberger, Ann Arbor, Mich.

Application December 18, 1937, Serial No. 180,496
19 Claims. (Cl. 180—73)



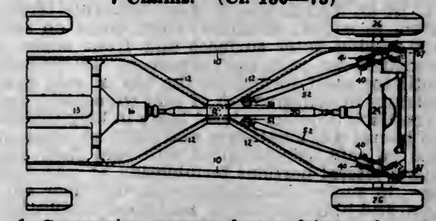
1. In an automobile, a frame, a power rear axle, a lateral tie rod between said frame and axle, a variable rate coil spring between said axle and frame, a tubular distance rod between said frame and axle, a rubber lined bushing connecting said distance rod and frame, a two point partially compressed rubber lined connection between the distance rod and axle, and means limiting the compression of the lining of said two point connection.

2,204,989

SUSPENSION MEANS FOR DRIVE AXLES

Jules Haltenberger, Ann Arbor, Mich.

Application May 16, 1938, Serial No. 208,292
7 Claims. (Cl. 180—73)



1. Suspension means for a drive axle, comprising a frame including X members, an integral power axle, a propeller shaft, a single pair of independent diagonally disposed distance rods between said X members and power axle, rubber-lined connections between said axle and distance rods, rubber-lined connections between said distance rods and X members, said last mentioned connections in laterally spaced relation, whereby a space is created for the oscillation of said propeller shaft.

2,204,990

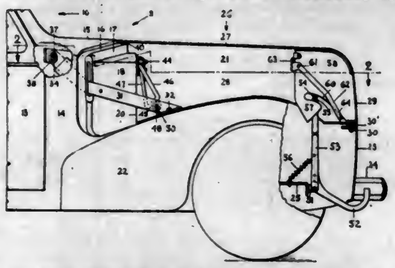
AUTOMOBILE HOOD

Jules Haltenberger, Ann Arbor, Mich.

Application July 20, 1939, Serial No. 285,539
3 Claims. (Cl. 180—69)

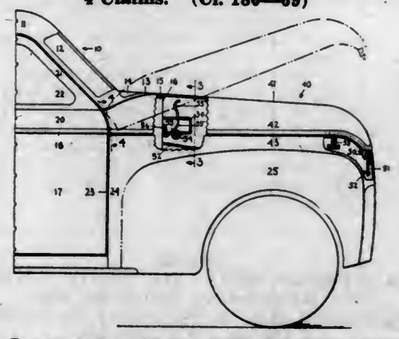
1. In an automobile, a body, an alligator hood, single hinge means connecting said hood to said

body, torsion rod spring means mounted on said body and having hood depressing and hood lifting positions, a pedal operated releasable hood



lock on said automobile, and means on said lock whereby upon release of the same said hood is shifted from said hood depressing position to said hood lifting position.

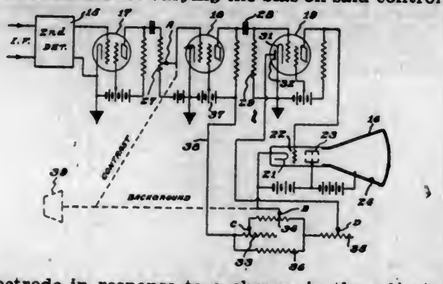
2,204,991
AUTOMOBILE HOOD
Jules Haltenberger, Ann Arbor, Mich.
Application January 26, 1940, Serial No. 315,821
4 Claims. (Cl. 180—69)



1. In an automobile, a body forwardly terminating in a cowl structure, front doors on said body having outer surfaces and front edges, a windshield on said cowl structure, an exposed ventilator shelf formed at the top of said cowl structure in continuation of said windshield and a ventilator therein, a hood ledge in longitudinal and lateral continuation of said shelf, an alligator hood on said ledge aligned with said shelf and having lateral portions terminating at said door edges in surface alignment with said door surfaces, and hinge means for said hood at substantially the extreme sides of said cowl structure.

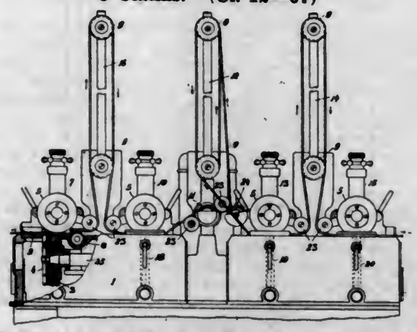
2,204,992
TELEVISION RECEIVER
Ralph S. Holmes, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 20, 1937, Serial No. 160,005
6 Claims. (Cl. 178—7.5)

1. In a television receiver, a cathode ray tube having input electrodes including a control electrode, an amplifier connected to supply picture signals to said input electrodes, manually operable contrast control means for determining the amount said signals are amplified in said amplifier, means for varying automatically the bias on said control electrode in response to a change in the average illumination of the transmitted subject, and means operable with said contrast control means for varying the bias on said control



electrode in response to a change in the adjustment of said contrast control means.

2,204,993
MACHINE FOR THE ORNAMENTATION OF WELTS
John Hoza, Zlin, Czechoslovakia
Application November 5, 1938, Serial No. 239,171
In Czechoslovakia August 21, 1937
3 Claims. (Cl. 12—67)

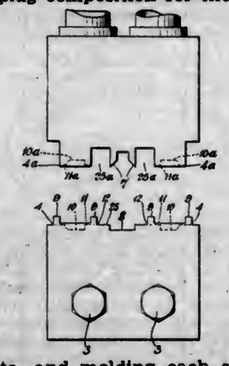


1. In a machine for the ornamentation of a leather strip welt, a frame, a cutter supported by said frame for grooving the surface of said strip, a feeding device for said strip, devices for dyeing, drying and smoothing said strip of leather after being worked upon by said cutter, a tank for containing an impregnating and pre-dyeing liquid, a wheel, over which said strip is trained, upwardly projecting from said tank, a first drying stand adjacent said tank, a device for smoothing the walls of said grooved strip, a dyeing device adjacent said first drying stand, a second drying stand, an apparatus for further smoothing the surface of said strip, a third drying stand, said strip passing through said stands and said dyeing device, and a device producing a glossy polish on the surface of said strip.

2,204,994
ELECTRIC BLASTING INITIATOR
Charles Russell Johnson, Glenn Mills, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 19, 1939, Serial No. 285,241
7 Claims. (Cl. 18—42)

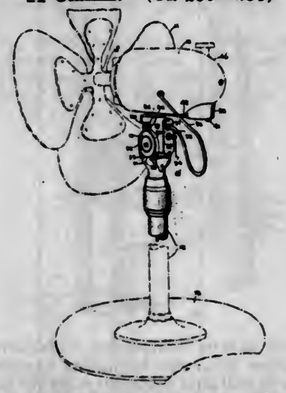
1. The method of forming composition plugs about the leg wires of electric blasting initiators which comprises placing two lengths of wire in closely spaced substantially parallel relation to each other, placing a supply of plug composition about the paired wires at each of two separate

positions along the length of said wires, severing each wire twice in the portion intervening between said supplies of plug composition, each severance being made a predetermined distance from said plug composition for the formation of



bridge posts, and molding each supply of said plug composition into a plug of predetermined shape about both wires and between the same, permitting said bridge posts to extend from the base of each plug.

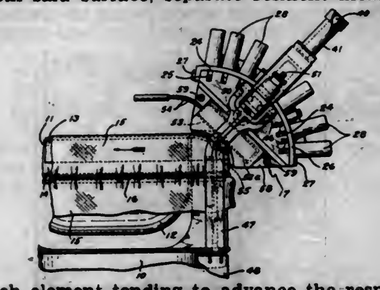
2,204,995
FAN SUPPORT
Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 14, 1938, Serial No. 229,813
11 Claims. (Cl. 230—256)



1. In air translating apparatus, the combination of a motor, fan blades driven thereby, a pedestal, a swivel member tiltably supported by the pedestal, said member enclosing a chamber, a switch for controlling operation of the motor and enclosed within said chamber, and means pivotally connecting said motor to said member with the motor disposed exteriorly of said member.

2,204,996
FLEXIBLE IRONING DEVICE
Stephen J. Miller, Danbury, Conn.
Application November 15, 1938, Serial No. 240,469
9 Claims. (Cl. 223—21)

1. An ironing device comprising a body member, a plurality of ironing elements mounted in said body member to simultaneously engage a surface to be ironed, a separate mounting for each element permitting them to yield individually independent of each other under pressure from said surface, separate resilient means for



each element tending to advance the respective elements to hold them against the surface, and means for heating said elements.

2,204,997
COMBINATION LIFTING JACK AND WHEEL LOCKING ARRANGEMENT FOR AUTOMOBILES OR LIKE VEHICLES
Paul Ostruk, New York, N. Y.
Application May 25, 1937, Serial No. 144,571
4 Claims. (Cl. 254—86)

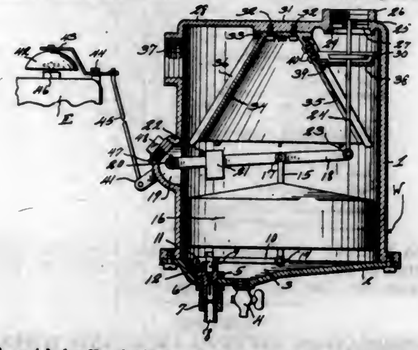


1. In a combination lifting jack and wheel locking arrangement integral to the body of an automobile or similar vehicle, said arrangement comprising a shaft, a manually operated handle attachable to said shaft, intermediary gearing means for operably connecting said shaft with a lifting jack whereby said jack may be expanded or retracted, said intermediary gearing means likewise in operable engagement with cable or equivalent strap means for locking the springs and axles in said vehicle concurrently with the operation of the lifting jack aforesaid.

2,204,998
WATER ELIMINATOR
Harry S. Ryan and Walter C. Batt, York, Pa.
Application September 6, 1938, Serial No. 228,707
3 Claims. (Cl. 210—54)

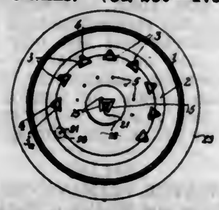
1. In an apparatus for separating liquids of different specific gravities, the combination of a casing having a top head and a bottom head, the top head being provided with an outlet for the liquid of lighter specific gravity and the bottom head having an outlet for liquid of heavier specific gravity, said casing in its upper portion having an inlet, a rock lever operatively mounted within the casing at the lower part thereof, a valve member carried by said rock lever for coaction with the outlet in the bottom head of the casing, a second rock lever supported within the casing above the first rock lever, a valve member carried by the second rock lever for coaction with the outlet in the top head of the casing, a rod pivotally connected with both of the rock levers and causing the same to swing in unison and in the same directions, a buoyant body carried by said rod, rising movement of the buoyant body moving the first valve into open position and the second valve into closed position and dropping movement of the buoyant body moving the first valve into closed position and the second valve into open position, said buoyant

body being of a specific gravity heavier than the lighter liquid and of a specific gravity lighter than the heavier liquid, and a conoidal baffle secured to the top head of the casing at substantially the axial center thereof, the base portion



of said baffle being of a diameter to extend a material distance across the casing, said baffle being positioned between the inlet of the casing and the outlet in the top head thereof, the bottom of the baffle being a material distance below the inlet of the casing.

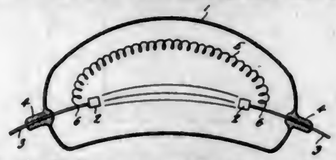
2,204,999
ELECTRIC DISCHARGE DEVICE
Karl Siebertz, Berlin-Grunewald, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application December 8, 1937, Serial No. 178,650
In Germany November 30, 1936
7 Claims. (Cl. 250—175)



1. A discharge device comprising an elongated symmetrical tubular envelope, an elongated cylindrical support member having its axis coincident with the axis of the envelope, a plurality of equi-spaced cylindrical accelerating electrodes disposed concentrically about the support member and a plurality of individual secondary emissive electrodes concentric with said accelerating electrodes, a plurality of support rods supporting each one of the plurality of secondary emissive electrodes, and spacing means maintaining the supported secondary emissive electrodes in spaced relationship to each other and to both the support member and accelerating electrodes.

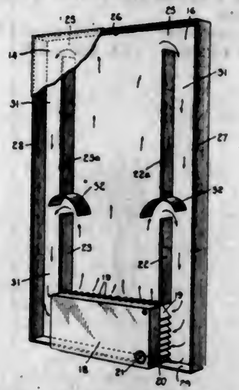
2,205,000
ELECTRIC LAMP
Hans J. Spanner, Berlin-Kladow, Germany
Application December 14, 1936, Serial No. 115,685
In Germany December 13, 1935
4 Claims. (Cl. 176—1)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

4. A radiant vapor electrical discharge lamp which comprises a sealed envelope permeable to at least a part of the radiation of the discharge and of an incandescent body, arcing electrodes spaced apart in said envelope, an incandescent filament within said envelope electrically connected to said electrodes in parallel to the discharge path between them, and a filling therein adapted to provide an atmosphere for the dis-



charge including a vaporizable material in amount which when fully vaporized will raise the voltage of the discharge after starting to a value near but below the starting voltage of the arc, the filament being in heat-exchange relation to the arc path, whereby its temperature with a given current loading will be higher when the arc is operating than if the arc were not operating.

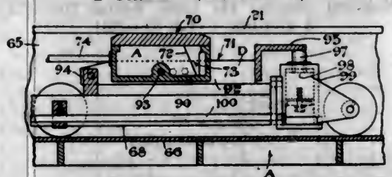
2,205,001
RADIANT HEATING MEANS
William Walter Timmis, Glen Cove, and Maurice A. Michaels, Bronx, N. Y., assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application December 16, 1937, Serial No. 180,124
9 Claims. (Cl. 237—1)



8. Heating means comprising a relatively thin box-like hollow structure including exposed panel wall means of suitable material capable of radiating heat energy outwardly from the hollow of said structure, said structure extending substantially solely in a substantially vertical plane, being substantially air tight, and containing a fluid medium, a heat emitting device disposed within said structure and having heat exchange faces which constitute flow-directing means, said heat exchange faces being arranged to activate flow of said fluid medium within the hollow of said structure in recurrent heat exchange relation with said heat emitting device, a plurality of mutually spaced sets of vertically spaced and aligned upwardly extending substantially rectilinear strip elements disposed within the hollow of said structure serving to direct flow of said fluid medium substantially throughout the hollow of said structure, and flow deflecting means associated with said upwardly extending substantially rectilinear elements at the location of vertical spacing there-

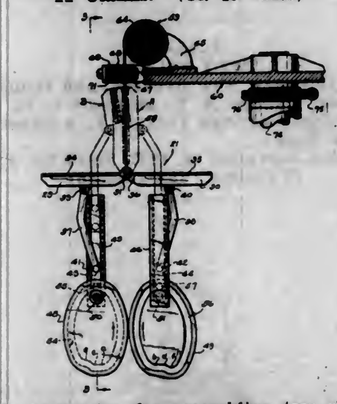
of, said flow deflecting means being so constructed and arranged as to direct flow of a portion of upwardly flowing heated fluid medium into the path of downwardly flowing fluid medium.

2,205,002
ARC WELDING APPARATUS
John P. Tripp, Montreal, Quebec, Canada
Application March 7, 1938, Serial No. 194,372
1 Claim. (Cl. 219—6)



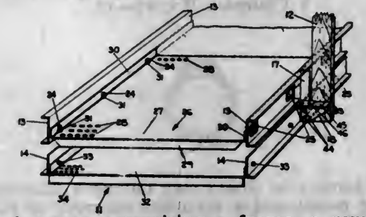
In electric welding apparatus the combination of a horizontal work supporting arm, a backing plate carriage supported by and movable longitudinally of said arm, a backing plate supporting frame having one end pivoted to said carriage to provide a horizontal axis about which the frame is swingable in a vertical direction, a backing plate pivoted to said frame to permit the backing plate to assume a horizontal position irrespective of the angular inclination of the frame with reference to said carriage and means for raising and lowering the free end of said frame.

2,205,003
METHOD AND APPARATUS FOR USE IN THE MANUFACTURE OF LAMINATED SAFETY GLASS
Emmett L. Walters, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 14, 1938, Serial No. 219,167
11 Claims. (Cl. 49—81.5)



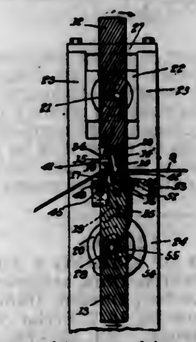
1. In apparatus for assembling two sheets of glass and an interposed layer of strengthening material preliminary to the uniting thereof to form safety glass, a pair of tables pivotally mounted at their inner adjacent ends and movable from a substantially horizontal position to a substantially vertical position, the glass sheets being laid upon said tables while in substantially horizontal position, means for feeding a sheet of strengthening material between the tables, means for raising said tables to substantially vertical position to clamp the strengthening material between the glass sheets, and means for swinging one of said tables past vertical center to lay the assembled sheets upon the other table which is then lowered to bring said assembly to substantially horizontal position.

2,205,004
MATERIAL HANDLING MECHANISM
Earl J. Woltz, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 28, 1938, Serial No. 216,317
6 Claims. (Cl. 209—399)



2. A screen comprising a frame, a removable pan carried by said frame, said pan having a bottom and a side flange, pan supporting lugs on said frame, said pan bottom and side flange being provided with a pin receiving slot which extends continuously from the pan bottom into the side flange for supporting said pan on said frame and provides for vertical movement of said pan on and off said lugs.

2,205,005
MACHINE FOR FORMING THE BOTTOMS OF BAGS
Edward E. Anderson, Loma Linda, Calif.
Application May 20, 1939, Serial No. 274,769
4 Claims. (Cl. 93—26)



3. In a bag making machine, a pair of rotary carrier bars, means for feeding a sheet of bag making material, folded in tubular form, a suitable length to form a bag between the meeting edges of said carrier bars as said bars are rotated, an anvil and a folder mounted in one edge of one of said carrier bars, and a knife and a tucker mounted in one edge of said other carrier bar, so that when said edges of said carrier bars are rotated together, said tucker will tuck the rear end portion of said bag length of bag material between said anvil and said folder and partly fold said rear end, and said knife will cut the rear end of said bag length from said sheet of bag making material, means for swinging said folder inwardly, as said carrier bars continue to rotate, for completely folding said rear end of said bag

length of bag making material and for removing said tucker from said folded end of said bag length, means for sealing the completely folded bottom end of the bag, and means for releasing said folder from the completely folded bottom end of the bag, as said carrier bars continue to rotate, to deliver the complete bag from said carrier bar on which said folder is mounted.

2,205,006

BIMETALLIC FINGER RING

William E. Eccles, Owatonna, Minn.

Application July 18, 1938, Serial No. 219,708
2 Claims. (Cl. 63—15)



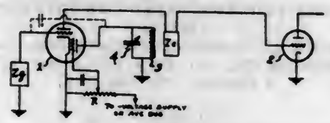
1. A bimetallic finger ring having a filler piece of base metal and a seamless covering of noble metal, the palm side of said ring being of solid noble metal.

2,205,007

METHOD OF COMPENSATION FOR DISTORTION IN SHARPLY TUNED CIRCUITS

Robert Lee Freeman, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio

Application October 28, 1936, Serial No. 108,035
4 Claims. (Cl. 179—171)



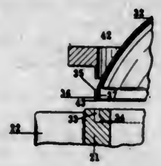
1. In a radio set a tuned amplification stage comprising an input tube, an output tube and coupling means, separate inductive means for deriving from said coupling means a degenerative feed back voltage, means for tuning said last mentioned means so as to cause it to be effective for desired frequencies selectively, and resistance means shunting said inductive means.

2,205,008

METHOD OF MAKING A JOINT

Floyd E. Gray, Dayton, Ohio, assignor to Andrew A. Kucher, Dayton, Ohio

Application June 26, 1937, Serial No. 150,595
14 Claims. (Cl. 29—148)



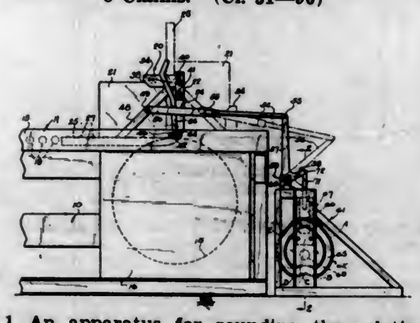
1. The process of joining two pieces of material which consists in forming a slot in one of the pieces, forming a shoulder on the side of the other piece, and causing a part of the said other piece to be inserted into the mouth of the slot, and forcing the inserted material sidewise against one side wall of the slot by applying pressure, onto the shoulder and through the mouth of the slot, to the material within the slot.

2,205,009

EDGE GRINDING APPARATUS

Henry J. Hamann and Carl B. Williams, Jr., Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application August 18, 1938, Serial No. 225,500
8 Claims. (Cl. 51—96)



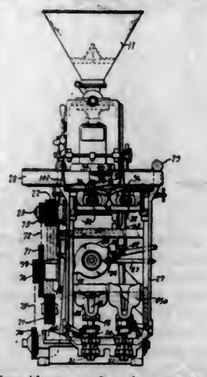
1. An apparatus for rounding the relatively sharp corner of a sheet or plate of glass or the like, a rotary grinding wheel positioned to rotate about a substantially horizontal axis, a work holder mounted above the grinding wheel for supporting the sheet to be ground on edge in a substantially vertical position, and means for rocking said work holder first in one direction and then the other to move the corner of the sheet to be rounded over and in engagement with said grinding wheel, said means including means for causing said work holder to travel relatively fast at the beginning and end of its rocking movement and relatively slower during the intermediate period of its rocking movement.

2,205,010

BELT PACKER

Carl H. Hartman, New Rochelle, and William R. Peterson, Oswego, N. Y., assignors to St. Regis Paper Company, New York, N. Y., a corporation of New York

Application November 26, 1937, Serial No. 176,494
20 Claims. (Cl. 226—48)



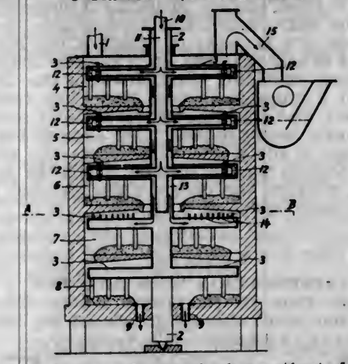
7. In combination, a horizontally reciprocable frame, two substantially horizontal parallel spouts mounted on the frame and each adapted to enter the valve of a bag, the spouts being spaced apart a distance equal to the length of movement of the frame, whereby the spouts have a common central position, means to deliver a substantially horizontal stream of material in alignment with the common central position of the spouts, a clamp associated with each spout, means to apply the clamp to a bag on the spout as the spout is moved into said position, a support mounted upon the frame beneath each spout, means to jig each support when its associated spout is in said position, and means to tilt each support to dump a filled bag therefrom as it is moved away from said position, and means for reciprocating the frame comprising a constantly rotating member, a crank connected to the frame, a half-revolution clutch for connecting the member with the crank, and manually operable means for closing the clutch.

2,205,011

APPARATUS FOR PRODUCING ACTIVATED CARBONACEOUS MATERIALS

Oswald Heller, London, England

Application October 22, 1934, Serial No. 749,496. Renewed November 15, 1939. In Czechoslovakia October 25, 1933
5 Claims. (Cl. 202—104)



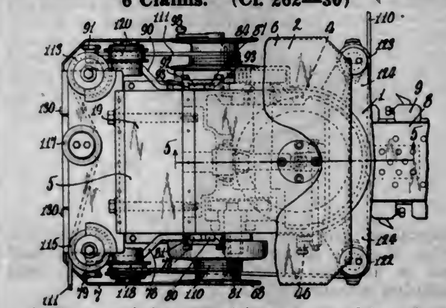
1. In a furnace for producing activated carbon, an upright cylindrical housing, means dividing said housing into a plurality of intercommunicating superimposed treating zones, means for introducing carbonaceous material into the uppermost zone, a hollow rotatable shaft centrally positioned in said housing, said shaft being closed at both ends, sets of hollow rabble arms communicating with the interior of said shaft and projecting laterally into said zones, means carried by said arms for agitating the said material and for advancing it from zone to zone, means including a pipe extending into said shaft through the upper closure thereof for passing a reaction agent downward through the hollow shaft to the rabble arms in one of the lower zones, means in said last mentioned rabble arms only for ejecting said reaction agent into the associated zone, where combustion takes place for supplying heat to said zone and to the zones above, and means for causing said reaction agent, in its downward movement, to pass laterally outward and back again through a plurality of the rabble arms in the upper zones, whereby a simultaneous heating of the reaction agent and cooling of the gaseous products in the upper zones is produced, said last means including a closure for the lower end of said pipe and a plurality of open-ended branches of said pipe extending into the said rabble arms in the upper zones.

2,205,012

COAL MINING MACHINE

Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application May 27, 1936, Serial No. 82,153
6 Claims. (Cl. 262—30)



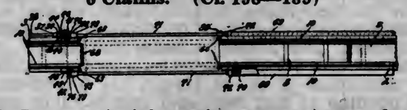
1. In a mining machine, a machine frame adapted to rest upon and slide in any direction over the mine floor and having top and bottom surfaces, a motor on said frame having its power shaft horizontally disposed and extending longitudinally of the machine, a horizontal plane kerf cutter projecting horizontally from the forward end of said frame adjacent one of said frame surfaces, the bottom of said motor lying in horizontal planes below the top plane surface of said kerf cutter, said kerf cutter having its driving element disposed on a vertical axis disposed a substantial distance in advance of said motor, a bevel pinion fixed to the forward end of the motor power shaft, a bevel gear meshing with said bevel pinion and arranged coaxially with and connectible to said kerf cutter driving element, and feeding means for the machine driven by the forward end of the motor power shaft including a feed driving element coaxial with said bevel gear.

2,205,013

MATERIAL MOVING APPARATUS

Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application February 23, 1937, Serial No. 127,019
6 Claims. (Cl. 198—139)



1. In a material moving apparatus, a frame slidable on its own bottom over a mine floor and composed of a series of alined frame sections detachably connected together, detachable means for connecting said frame sections, conveying means guided on said frame sections, and motor operated means on one frame section for moving another frame section bodily in an endwise direction relative thereto, said detachable means between said relatively movable frame sections being detached prior to such relative movement.

2,205,014

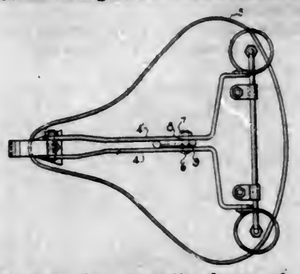
CYCLE SADDLE POST

Harold E. Kalter, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio

Application February 27, 1939, Serial No. 258,743
5 Claims. (Cl. 287—14)

1. In a cycle saddle assembly, a pair of oppos-

ing clamping members, a saddle post having an eye at its upper end, said eye adapted to be projected between said opposing clamping members, the confronting faces of said members being



indentured and the opposite faces of the eye being likewise indentured, means whereby said post is adapted to be clamped between said clamping members.

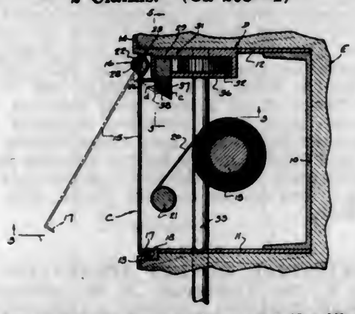
2,205,015

AWNING ENCLOSURE

Clyde D. Lowry and Paul E. Spahn, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application August 23, 1937, Serial No. 160,370

2 Claims. (Cl. 268—1)



1. An enclosure for awnings and the like having an opening, a flap for said opening hinged at its upper end, a lever arm carried by said flap, a push bar extending longitudinally within said enclosure and mounted for horizontal sliding movement, and a cam member carried by said push bar and engaging said lever arm upon sliding movement of the said push bar for effecting the opening of said flap, said cam member comprising a block tapering from one end to the opposite end thereof and also transversely from its inner edge to its outer edge.

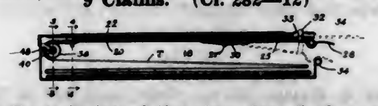
2,205,016

AUTOGRAPHIC REGISTER

Murdock Macdonald, Cleveland Heights, Ohio

Application September 28, 1938, Serial No. 232,146

9 Claims. (Cl. 282—12)



1. In a device of the class described, a magazine for strip ticket material, a bed movable relatively to said magazine and adapted to support successive tickets and means to position a ticket on said bed comprising a ticket gripping device at one end of said bed and a second ticket gripping device at the other end of said bed rotatable on an axis parallel to the adjacent end of the bed, and a spring member engaging said second device and normally tending to rotate said device away from said bed to tension a ticket between said first and second gripping devices, each of said ticket gripping devices being supported by said bed.

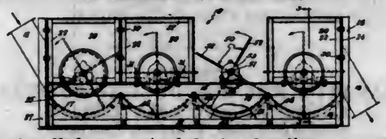
2,205,017

LINT TREATING DEVICE

Robert W. McLean, Bridgewater, Mass., assignor to The Murray Company, Dallas, Tex., a corporation of Texas

Application May 9, 1939, Serial No. 272,589

3 Claims. (Cl. 19—93)



1. A cellulose control device for lint comprising a casing having a chamber extending longitudinally of the casing and through which lint is transported, each side wall of the housing comprising a fixed section including a horizontally extending angle beam, and a removable section consisting of a plurality of panels, a plurality of agitators in said chamber, each agitator comprising a shaft extending transversely of the chamber, and a plurality of rods projecting radially therefrom, and bearings for said shafts secured to the angle beams of said fixed sections beyond the panels of the removable sections, the panels having notches therein through which the shafts project, whereby the panels when removed permit the dismounting of a shaft.

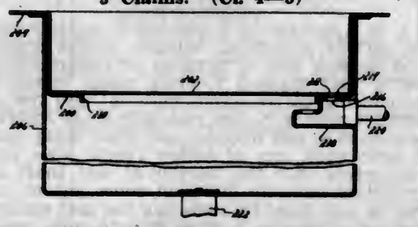
2,205,018

COMBINATION SINK AND TUB

Francis John Osuch, Grosse Pointe, Mich.

Application September 9, 1938, Serial No. 229,152

3 Claims. (Cl. 4—5)



1. A combination sink and wash tub, comprising a sink having a normally open bottom nested within the open top of a wash tub, and a removable basin nested within said sink and forming a closure for the sink and tub.

2,205,019

MITER BOX

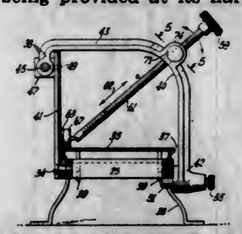
William J. Parsons, Millers Falls, Mass., assignor to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts

Application May 11, 1937, Serial No. 141,884

4 Claims. (Cl. 143—86)

1. In a miter box, means for clamping material to be sawed comprising in combination, a curved arm; means for securing each end of said arm to said miter box; a sleeve journaled in said arm

and provided with a pair of opposite apertures; a clamp screw slidably mounted in said apertures; a piston reciprocable in said sleeve, said piston being provided with an elliptical aperture adapted to coincide with the apertures in said sleeve, said aperture being provided at its narrow end with



half threads adapted to fit the threads on said clamp screw, said clamp screw being slidable axially through the wide end of said aperture; and means for reciprocating said piston to change the position of said clamp screw in said aperture and so to permit slow or fast adjustment thereof.

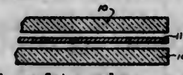
2,205,020

PLASTIC FOR LAMINATED SAFETY GLASS

Joseph D. Ryan, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application April 28, 1937, Serial No. 139,517

6 Claims. (Cl. 49—92)



1. Laminated safety glass comprising two sheets of glass and an interposed adherent layer of transparent synthetic resin plastic composed of the resinous product formed by the reaction of an aldehyde on partially or wholly hydrolyzed polymerized vinyl ester plasticized with an aliphatic acid ester of diglycerol.

2,205,021

PRODUCTION OF CONDENSATION PRODUCTS

Hermann Schuette, Mannheim, and Conrad Schoeller and Max Wittwer, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Original application November 2, 1934, Serial No. 751,182. Divided and this application October 7, 1937, Serial No. 167,774. In Germany November 10, 1933

10 Claims. (Cl. 260—457)

1. The process of producing high molecular condensation products which comprises causing a substance selected from the group consisting of polyalcylene glycols and polyglycerines to react with a substance containing at least 6 carbon atoms and selected from the group consisting of aliphatic, cycloaliphatic, and mixed aliphatic-aromatic mercaptans and of thiophenols and thionaphthols.

2,205,022

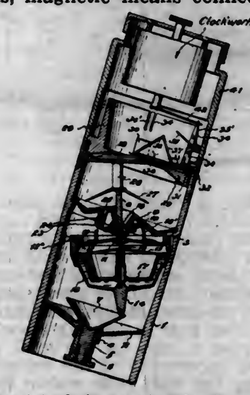
BORE HOLE DIRECTION TESTER

Georg Tipter, Campina, Rumania

Application December 27, 1937, Serial No. 181,964. Renewed April 23, 1940. In Rumania January 23, 1937

6 Claims. (Cl. 33—205.5)

1. Apparatus for automatically recording the degree and direction of any deviation from the vertical at different depths in bore holes for oil wells and the like comprising, a substantially cylindrical casing adapted to be lowered into the bore hole in a normally vertical position and to assume any inclination of the bore hole at the particular depth to which it is lowered, a weighted needle so supported inside the casing that it assumes a vertical position notwithstanding deviation of the casing from the vertical, a record sheet so mounted upon the needle as to be rotatable relatively thereto about a substantially vertical axis, magnetic means connected with the



record sheet to bring a standard north and south line on the record sheet into position notwithstanding movements of the casing or of the weighted needle, a marking instrument consisting of a plurality of arms pivoted to be moved in radial planes with respect to the casing and each arm adapted to make a mark on the record sheet, and means for actuating said arms at predetermined time intervals whereby the position of each mark in relation to a pre-determined zero point denoting the angle and direction of any deviation of the casing, and therefore of the bore hole, from the vertical.

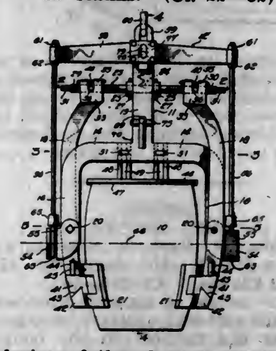
2,205,023

CRUCIBLE SUPPORT

Raymond D. York, University, Va., assignor to Raymond D. York, as trustee

Application December 16, 1938, Serial No. 246,236

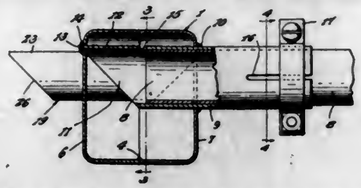
12 Claims. (Cl. 22—82)



1. A device of the character described comprising a supporting structure, an article supporting unit connected to said structure for turning movement relative thereto, an operating lever, one end of said lever and a portion of said unit

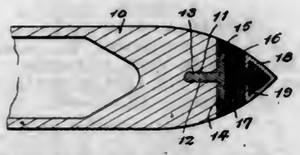
being constructed for interfitting engagement whereby said lever is operable for turning said unit with respect to said supporting structure, and means for preventing disengagement of said lever from said unit during turning movement of the latter.

2,205,024
MUFFLER
Matthew G. Zinsitz, Brookfield, Wis.
Application September 20, 1938, Serial No. 230,852
3 Claims. (Cl. 181—57)



1. In a muffler, a body, an inlet pipe carried by the body and having its inner end portion cut downwardly and rearwardly on an incline to define a deflector, the outer end of said inlet pipe being split, a clamp surrounding the split portion of the inlet pipe, said inlet pipe being adapted to surround an exhaust pipe and said clamp securing said inlet pipe in operative position on said exhaust pipe, a stop on the inlet pipe for limiting inward movement of the exhaust pipe, means retaining the inlet pipe within the body, an outlet pipe carried by the body, and means securing the outlet pipe in operative position on the body, said body receiving exhaust gases from the exhaust pipe through the inlet pipe for circulation in said body and exhaust through the outlet pipe with a minimum of back pressure in the exhaust pipe.

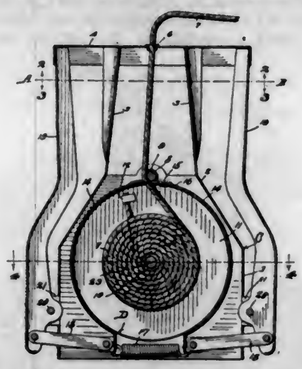
2,205,025
SHOCK ABSORBING MEANS FOR SHUTTLES
Robert Balfour, Dundee, Scotland
Application March 11, 1939, Serial No. 261,320
5 Claims. (Cl. 139—196)



5. A cushioned tip for shuttles of a weaving loom comprising a metallic plate, means on one side of the plate for securement to an end of a shuttle; a nose, and a relatively thick resilient member positioned between and anchored to the nose and the other side of the plate.

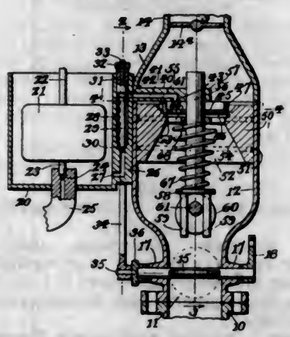
2,205,026
FIRE ESCAPE
Theophilus A. Barham, Norfolk, Va.
Application May 8, 1939, Serial No. 272,507
3 Claims. (Cl. 227—30)

1. In a fire escape, a support provided at its upper end with adjacent upstanding grips, means for attaching the support to the body of an operator, a drum journaled on the support, a flexible suspension element wound about the drum, a brake mechanism carried by the support and coacting with the drum to limit the rotation thereof, and levers operatively connected to the brake mechanism and controlling the operation thereof, the levers being fulcrumed on the support and extending upwardly alongside the grips,



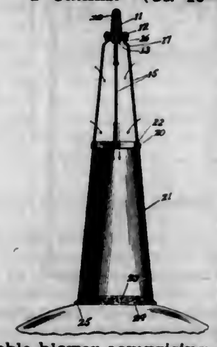
in close enough relation thereto so that one lever and the corresponding grip can be received in one hand of the operator.

2,205,027
COMPENSATING CARBURETOR
Joseph Clifford Benner,. Kansas City, Mo., assignor to Velma Pearl Benner, Kansas City, Mo.
Application November 20, 1937, Serial No. 175,729
3 Claims. (Cl. 261—51)



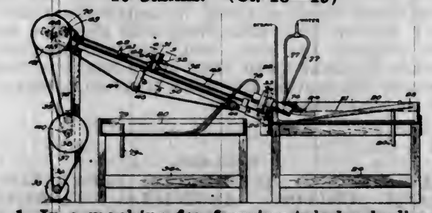
1. A carbureting device connected to an intake manifold of an engine and comprising a casing, a movable tube having a passage provided with a Venturi section, a plate having perforations and fixed in a predetermined position, means for resiliently supporting the tube in the casing and for urging the tube towards the plate, the walls of the tube at one side of the venturi adapted to engage the periphery of the plate when the Venturi tube is in its uppermost position for closing said passage except for the perforations in the plate through which air and fuel are drawn, means for supplying the plate with a liquid fuel, said tube adapted to be moved away from the plate by the suction in the intake manifold to permit varying quantities of air to pass around the periphery of the plate while some of the air is drawn through the perforations, an arm in the casing and extending from a wall of said casing, said means for supplying the liquid including a passage formed in the arm, the plate being connected to the arm and located centrally of the casing.

2,205,028
BUBBLE BLOWER
Harvey Lynn Bloxom, Fort Dodge, Iowa
Application February 4, 1938, Serial No. 188,780
4 Claims. (Cl. 46—6)



1. A bubble blower comprising a tubular member having an outer film supporting end and a reduced inner open end, a mouthpiece having a passage disposed in line with the longitudinal axis of the tubular member and through which air is adapted to be forced, said mouthpiece being spaced outwardly from the inner end of the tubular member, means for supporting the mouthpiece in spaced relation with the inner end of the tubular member, the space between the inner end of the tubular member and the mouthpiece being open entirely to the atmosphere so that air unobstructed may be drawn into the inner end of the tubular member at all points along the periphery of said inner end.

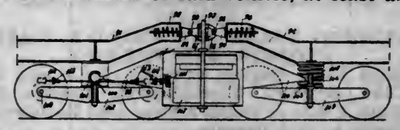
2,205,029
MACHINE FOR FORMING TUBULAR BODIES
William H. Bonham, Metuchen, N. J., assignor to Nixon Nitration Works, Nixon, N. J., a corporation of New Jersey
Application December 10, 1937, Serial No. 179,204
10 Claims. (Cl. 18—19)



1. In a machine for forming tubular bodies of spirally coiled strip material, a forming tube, a carriage, means for propelling said carriage toward and from said tube, a strip-engaging member secured in said carriage in registry with said tube, means for rotating said member, and means for disengaging said carriage and its propelling means at a predetermined distance from said tube.

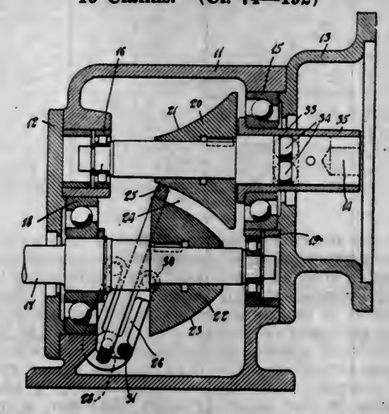
2,205,030
VEHICLE, AND ESPECIALLY AUTOMOTIVE RAILROAD VEHICLES
Ettore Bugatti, Molsheim, France
Original application May 16, 1935, Serial No. 21,869, now Patent No. 2,115,095, dated April 26, 1938. Divided and this application August 23, 1937, Serial No. 160,551. In France November 22, 1934
14 Claims. (Cl. 105—133)

1. A device for coupling the adjacent ends of two railroad vehicles having separate adjacent end trucks, which comprises two rigid structures, one for each vehicle, detachably connected to one another so as to form a longitudinal coupling beam, rigid in the transverse direction; means for attaching each of said rigid structures to the corresponding vehicle end, adapted to provide for pivotal movement of said vehicle, at least about



an axis which passes through a predetermined point of the said rigid structures, intermediate its length, and lies in a longitudinal vertical plane; means providing a swival connection between each rigid structure at the outer end thereof and the corresponding truck; a motive power source on one of said rigid structures; and means for driving the corresponding truck from said source.

2,205,031
CONTINUOUSLY VARIABLE GEARING
Henry Hubbard Bugden, London, England
Application January 13, 1939, Serial No. 250,817
In Great Britain January 17, 1938
16 Claims. (Cl. 74—192)



1. A continuously-variable torque-transmission gearing comprising in combination a first frusto-cone of concave surface, a second frusto-cone of convex surface arranged side by side with the first but facing oppositely, and a frictional element contacting both cones and displaceable along them to vary the torque-transmission ratio, and a frame maintaining said cones in frictional contact with and exerting pressure upon said frictional element.

2,205,032
DYE COMPOSITIONS
Ivan F. Chambers, Wilmington, Del., and Arthur L. Fox, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 17, 1937, Serial No. 131,450
15 Claims. (Cl. 8—34)

1. A vat dye composition containing a penetrating agent having the general formula: $(R_1OOC)_nR(COOM)_n$ wherein R is an aromatic hydrocarbon radical, R_1 is a hydrocarbon radical,

M is a member of the group consisting of hydrogen and water-soluble salt-forming groups, and n is an integer not greater than 3, and being further characterized in that R and R_1 may contain a substituent taken from the class consisting of halogen, hydroxyl, alkoxy and hydrocarbon.

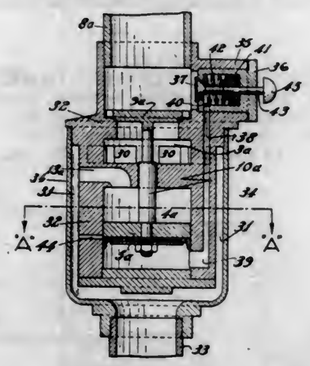
2,205,033

FLUSHING VALVE FOR URINALS, WATER CLOSETS, AND THE LIKE

Francis Louis Dreyer, Pretoria, Transvaal, and Colin Bromley, Bloemfontein, Orange Free State, Union of South Africa; said Bromley assignor to said Dreyer

Original application June 15, 1937, Serial No. 148,362, now Patent No. 2,177,099, dated October 24, 1939. Divided and this application March 8, 1939, Serial No. 260,652. In the Union of South Africa June 22, 1936

5 Claims. (Cl. 137—93)



1. An improved flushing valve adapted for direct connection to a supply main, comprising a cylinder divided by a partition into upper and lower chambers, an outer concentric casing adapted to be connected at its lower end to the flush pipe and surrounding said cylinder to form an annular space therebetween, radial ports providing communication between the upper cylinder chamber and said annular space, a piston moving in the lower cylinder chamber, a main valve carried by the piston rod and controlling the supply of water from the main supply into the upper cylinder chamber, means hydraulically connecting the lower cylinder chamber below the piston with main supply through a flush control valve, an air escape passage between the lower cylinder space above the piston and the said annular space, and a relief passage independent of the flush control valve connecting the lower cylinder space below the piston with said annular space adapted to permit the slow escape of water from beneath the piston.

2,205,034

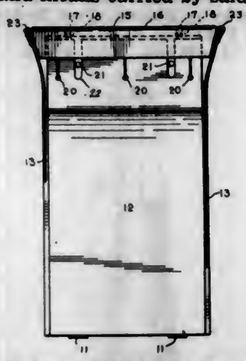
PAD HOLDER AND PAD

Melville Clement Dykes, Kirkland Lake, Ontario, Canada

Application September 7, 1939, Serial No. 293,839

5 Claims. (Cl. 129—35)

1. A pad holder comprising a base, a pad supporting plate having one end hingedly connected to one end of said base, a cover plate attached to the other end of said base and adapted to extend over the free end of said supporting plate, means normally moving said supporting plate upwardly, and means carried by said cover plate



for engaging the free end of said supporting plate for maintaining the same in its elevated position.

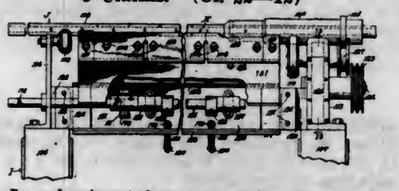
2,205,035

HORIZONTAL CORE MACHINE

Henry G. Floyd, Birmingham, Ala., assignor to McWane Cast Iron Pipe Co., Birmingham, Ala.

Original application October 27, 1936, Serial No. 107,889. Divided and this application April 20, 1938, Serial No. 203,173

5 Claims. (Cl. 22—12)



1. In a horizontal core machine, the combination with means for supporting a core bar for horizontal rotation about its longitudinal axis, of a pattern knife associated with the core bar for shaping the core, and manually operable means including a cam shaft and a lever operated thereby for moving the knife from an operative to an inoperative position.

2,205,036

METHOD AND DEVICE FOR SEPARATING AND UNITING ARTIFICIAL FIBROUS STRUCTURES TO FORM A CONNECTED FIBROUS BAND

Edmund Hamel, Siegmar-Schonau, near Chemnitz, Germany

Application September 7, 1938, Serial No. 228,852

In Germany October 8, 1937

6 Claims. (Cl. 164—61)



1. Apparatus for cutting fibrous strands of artificial filaments comprising, two discs having circumferentially spaced recesses in the peripheries thereof, said discs being arranged with the faces thereof adjacent each other and with the axis inclined with respect to each other so that the inner faces of the discs adjacent the peripheries thereof engage the fibrous strand, an annular projection carried by one of the discs adjacent the periphery thereof and projecting towards the other disc for supporting the fibrous strand, and a rotating knife having a screw shaped cutting edge arranged to pass through said recesses of both discs and cut said filaments while the strand is engaged by the inner faces of the discs.

2,205,037

EXTRUSION OF HIGHER ALKYL SULPHATE SALTS

Clyde O. Henke, Wilmington, Del., and Roland G. Benner, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 30, 1937, Serial No. 166,709

12 Claims. (Cl. 260—459)

1. The process which comprises neutralizing a higher aliphatic alcohol sulphuric acid ester under reduced pressure conditions with concentrated aqueous solution of an alkali metal base in the presence of an added water-soluble diluent which is solid at room temperature.

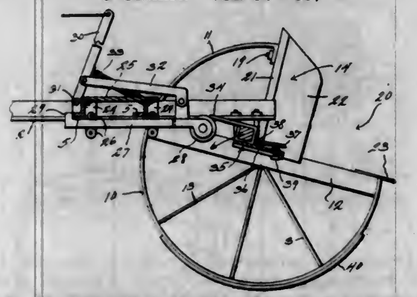
2,205,038

IRRIGATION BORDER FILLER

William F. Hiesermann, San Juan, Tex.

Application January 9, 1940, Serial No. 313,123

9 Claims. (Cl. 97—55)



1. An irrigation border filler, comprising a draft frame, an axle extending transversely of the frame and rotatably coupled therewith, a pair of broken wheels supported upon said axle at opposite sides of the frame to turn with the axle, each of said wheels including a tread defining a portion of an annulus whereby each wheel has a radially opening portion adapted to straddle an earth border, a shovel secured to each annulus and extending radially of the wheel at one side of said opening, a pair of trip fingers carried by the axle to rotate therewith, and control means carried by the frame and shiftable thereon for selective engagement with said fingers to maintain said wheels against turning with the shovels in inoperative position and to maintain the wheels against turning with the shovels in ground engaging operative position as desired.

2,205,039

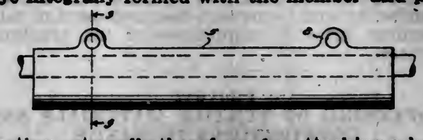
LINEMAN'S PROTECTIVE DEVICE

Hiram W. Johns, Union City, Ind.

Application January 3, 1939, Serial No. 249,099

1 Claim. (Cl. 174—5)

A conductor sleeve comprising a longitudinally split tubular member of insulation material adapted for positioning on a conductor and an eye integrally formed with the member and projecting outwardly therefrom for attaching a hoist line thereto, said eye being adjacent an end of the sleeve and having its opening positioned transversely with respect to the member.



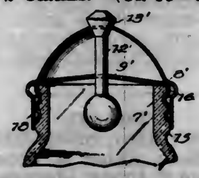
2,205,040

SALT SHAKER

Vincent A. Kasin, Houston, Tex.

Application May 16, 1938, Serial No. 208,290

2 Claims. (Cl. 65—57)



2. A salt shaker including a receptacle with a screw threaded neck and an annulus on the neck of a diameter in excess of the diameters of the screw threads, a closure unit for the receptacle including an inner screw threaded cap engageable with the screw threads of the neck and an outer cap encasing said inner cap and equipped with a skirt portion a part of which extends beyond the inner cap and snugly engages the periphery of the neck annulus to provide a seal, and a valved dispensing opening in said closure unit.

2,205,041

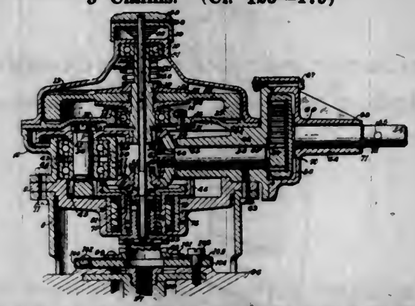
ENGINE STARTING MECHANISM

Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application May 12, 1930, Serial No. 451,830

Renewed March 2, 1938

5 Claims. (Cl. 123—179)



1. In an engine starter, a longitudinally movable driving member having an axial bore, a hollow shaft coaxial with the driving member, reduction means connecting the driving member and shaft, an inertia member mounted on the shaft and in driving engagement therewith, a rod extending through the bore of the driving member and the hollow shaft for controlling the longitudinal movement of the driving member, a driven member mounted on the engine crank-

shaft in a position to be engaged by said driving member, and an axially movable sleeve surrounding said rod and physically abutting said driving member to tend to prevent disengagement of said members prior to completion of the cranking process.

2,205,042

SOFTENING OF TEXTILE MATERIALS AND COMPOSITIONS THEREFOR

Samuel Lenher and Luther B. Arnold, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 26, 1937, Serial No. 171,135
7 Claims. (Cl. 28—1)

1. The process which comprises softening cellulosic materials and artificial fibers in an aqueous bath containing from 0.001 to 0.05% by weight, of a condensation product of an alkylolamine and a member of the group consisting of higher fatty acids, their esters and anhydrides and acid halides, which has been after treated with an acid.

2,205,043

IRON OXIDE BRIQUETTE

George S. Mican, Ralph H. Steinberg, and Stephen F. Urban, Chicago, Ill.

No Drawing. Application November 17, 1937, Serial No. 175,170
13 Claims. (Cl. 75—56)

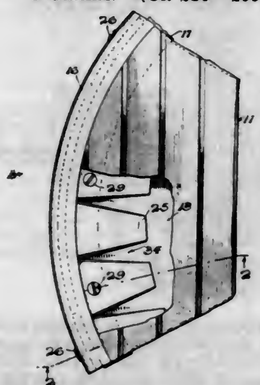
1. The method of forming a compact mass of comminuted oxides into briquettes for use in oxidizing or decarburizing molten metal in reducing furnaces which comprises mixing an iron oxide with a mixture of water-glass and from 2 to 10 per cent. of a calcareous material, and heating the combined mixture at a temperature of from 600 to 700 degree Fahrenheit for about one-half hour to harden and firmly unite the same into a dry, solid mass.

2,205,044

SAFETY STEP TREAD

Samuel D. Moore, Cleveland, Ohio

Application December 28, 1939, Serial No. 311,411
8 Claims. (Cl. 280—169)



1. A step assembly for a bus or the like comprising a frame subject to constant weaving and warping in the motion of the bus, said frame having a tread and a riser, a covering on said tread, and an edging strip for the junction between said tread and said riser including a rubber or like flexible and resilient integral element having a section of substantial length to engage said riser and a section to engage the front edge of said tread, a tongue on said latter section extending beneath said tread covering, and means to secure said edging to said frame including means to secure said tongue beneath said tread covering, and means to secure the section contacting said riser.

2,205,045

PREPARATION OF ACYLATED 3-HYDROXY-BIS-NOR CHOLENIC ACIDS

James Robertson Myles, Cheshire, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 14, 1938, Serial No. 190,494. In Great Britain February 19, 1937
11 Claims. (Cl. 260—397)

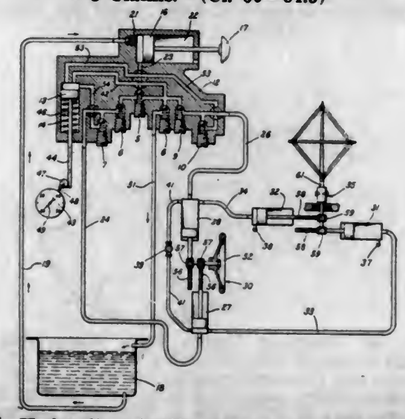
1. A process which comprises treating a crude mixture of sterols containing stigmasterol with an esterifying agent and bromine in the proportion of one molecule per molecule of sterol, passing ozonized oxygen therethrough, removing the bromine and recovering an acylated-3-hydroxy-bis-nor-cholenic acid from the mixture.

2,205,046

HYDRAULIC ACTUATING MEANS

Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application May 7, 1936, Serial No. 78,481
3 Claims. (Cl. 60—54.5)



1. Hydraulic actuating means comprising a set of driving pistons and a set of driven pistons, a cylinder for each piston, fluid connection means from the cylinders housing said driving pistons to the cylinders housing said driven pistons, whereby the motion of the former is transmitted to said driven pistons, and means distinct from said first named fluid connection means for establishing flow from one of said driving piston containing cylinders to the other in response to a sudden or jerky movement of said driving pistons.

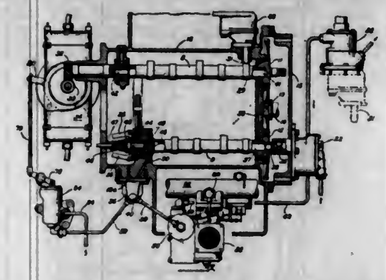
2,205,047

INTERNAL COMBUSTION ENGINE

Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application June 24, 1938, Serial No. 215,669
7 Claims. (Cl. 123—97)

1. In a hydraulic system for actuation of a plurality of combustion controlling devices, including a combustible mixture intake throttle and an electrical contact shifter for establishing the time of ignition of the combustible mixture in relation to the positions of the parts to be actuated by the combustion of said combustible mix-



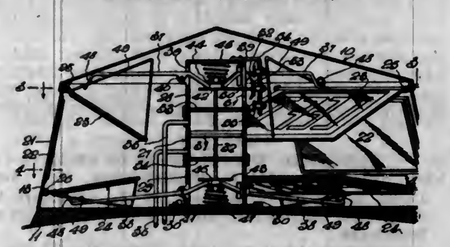
ture, the combination with said throttle and contact shifter of means including a pair of pistons for actuation thereof, a corresponding pair of cylinders housing said pistons, and speed responsive means for influencing the flow of fluid into said cylinders to actuate said pistons.

2,205,048

AUTOMOBILE TURNING SIGNAL

Philip Palmgren, Los Angeles, Calif.

Application December 21, 1938, Serial No. 247,122
3 Claims. (Cl. 116—43)



1. An automobile turning signal comprising a casing having a plurality of view openings visible from different directions, a left and a right turn sign operatively associated with each of said view openings and movably mounted for selective presentation at the same, a motor mounted substantially centrally in said casing and having a member movable in opposite directions, operating connections between said member and said right turn signs for simultaneously presenting all of the latter at said view openings when said member is moved in one direction, and additional operating connections between said member and said left turn signs for simultaneously presenting all of these signs at said view openings when said member is moved in the other direction.

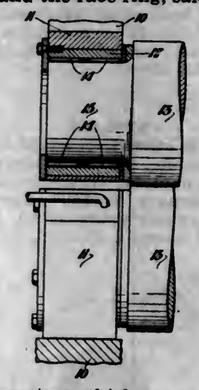
2,205,049

BEARING

Wilhelm Rohn, Hanau, Germany

Application June 28, 1938, Serial No. 216,325
In Germany May 21, 1937
16 Claims. (Cl. 80—55)

1. A bearing for supporting a rotating element comprising an unhardened metal race ring whose Scleroscopic hardness is approximately in the range of from 45 to 65 and which surrounds the element, and slender rollers interposed between the element and the race ring, said rollers having



respective diameters which are not greater than one-tenth of their respective lengths.

2,205,050

WATER SKI AND BOAT

Katsuyasu Sato, Musashino-Machi, Kita Tama-Gun, Tokyo-Fu, Japan

Application July 24, 1937, Serial No. 155,381
In Japan August 1, 1936
2 Claims. (Cl. 9—1)



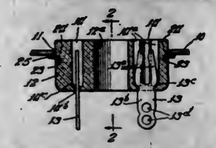
1. A device of the character described, comprising a series of metallic members of approximately H-shape, each leg thereof being shaped to form the arc of a circle with a ring-shaped extension disposed below the center of said arc, a tubular rod secured in the ring-shaped extensions of each leg and connecting said metallic members together in spaced alinement, a pair of flexible cylinders, and means to support the same in laterally spaced parallel relation in the arc-shaped portions.

2,205,051

COMBINED SOCKET AND MOUNTING PLATE

Arthur J. Schmitt, Chicago, Ill.

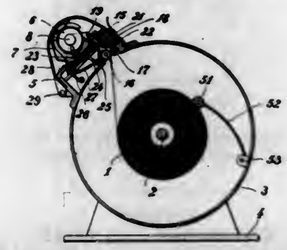
Application January 21, 1938, Serial No. 186,165
1 Claim. (Cl. 173—339)



A device of the class described embodying a flat sheet metal annular plate having an integral generally circular inner margin, a cylindrical socket body of initially plastic insulating material molded within said annulus with the inner margin of the plate embedded within said molded body, diametrically opposite substantially quarter annulus segmental sides of said inner margin being by performing prior to molding inwardly and axially extended out of the main plane of said plate within the body whereby said margin sides function therein as reinforcing beams hav

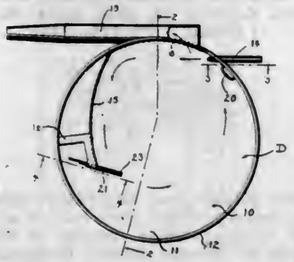
ing both tension and compression components as well as providing a positive non-rotative interlock with said body, said plate having exterior diametrically opposite mounting extensions aligned transversely substantially ninety degrees to said segmental sides.

2,205,052
DEVICE FOR LOADING FILM CASETTES
Willi Stein, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application February 12, 1936, Serial No. 63,552
In Germany February 23, 1935
2 Claims. (Cl. 242—55)



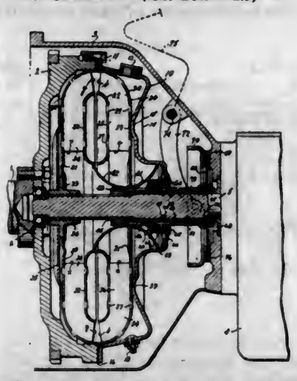
2. In combination a container containing undeveloped photographic film and having a film outlet, an open casette for receiving film from the container through said outlet, a cover on the container to be opened to place the casette in operative position adjacent said outlet, automatic means for closing the outlet lighttight while the cover is opened, means actuated by the closing of the cover for opening the outlet after the cover has been closed, means for transferring film through said outlet from the container into the casette, locking means for the cover, closing means for the casette, a member on the outside of the container for first automatically actuating the casette closing means and thereafter automatically unlocking the cover locking means and mechanism for operating said film transferring means.

2,205,053
DEVICE FOR WASHING PHOTOGRAPHIC PRINTS
Robert C. Thackeray, Racine, Wis.
Application January 20, 1938, Serial No. 185,893
5 Claims. (Cl. 95—97)



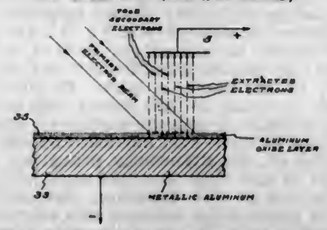
1. A device for washing prints comprising, a circular tank, an arcuate baffle plate arranged in the tank having one end connected to the side wall of the tank, and its other end extending into the tank, and a nozzle for injecting water under pressure into the tank extending through the side wall and pointing toward said baffle.

2,205,054
HYDRAULIC CLUTCH
Ernest E. Wemp, Detroit, Mich.
Application August 5, 1937, Serial No. 157,502
9 Claims. (Cl. 192—12)



4. A hydraulic clutch comprising a rotatable driving member, an impeller connected thereto, a driven shaft, a runner connected thereto, a sleeve over the shaft and slidably connected thereto, a member mounted on the sleeve and cooperating with the impeller and runner to complete a vortex chamber, a spring acting upon the sleeve to hold the member in a position to complete the vortex chamber, a friction member secured to the sleeve, control means for engagement with the friction member to shift the sleeve to in turn shift the said member to vortex breaking position and for applying decelerating friction to the sleeve, the driven shaft and runner and a fixed friction surface against which the friction member may be urged by the control member for applying additional decelerating friction thereto.

2,205,055
ELECTRIC DISCHARGE DEVICE
Vladimir K. Zworykin, Philadelphia, Pa., and Louis Malter, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application April 30, 1936, Serial No. 77,092
14 Claims. (Cl. 250—27.5)

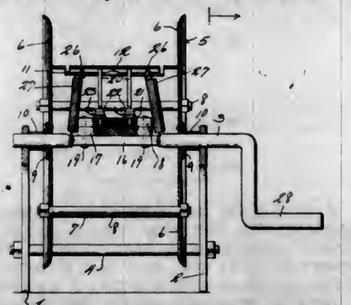


1. The method of preparing an aluminum electrode which comprises oxidizing the surface thereof, subsequently depositing a very thin layer of alkali metal upon the oxidized surface and thereafter oxidizing the said alkali metal layer to render it capable of high true secondary emission.

2,205,056
SAFETY REEL FOR BLASTING CABLES
George Thornton Atkins, Barnesboro, Pa.
Application April 14, 1938, Serial No. 202,070
3 Claims. (Cl. 200—153)

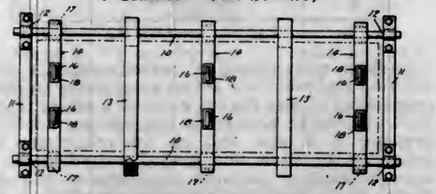
1. A blasting cable reel structure of the character described, comprising a rotatably mounted

supporting shaft, a reel drum carried upon the shaft and including a central body supported coaxially with the shaft to be rotated thereby, the body being formed to provide a chamber through which the shaft extends, the body having an opening for the extension of an end of an electric cable which is wound on the drum from outside the body into the chamber, said body having a wall opening leading into the chamber which is covered by the cable when the latter is



wound on the body, a pair of rigid terminal pins mounted within the chamber upon said shaft and extending radially therefrom toward and terminating substantially in said wall opening, said terminal pins being insulated from the shaft and from one another and each being adapted to be electrically connected with one of a pair of wires forming the cable, and a door closing said wall opening and bearing against the ends of said pins and establishing an electrical connection between the free ends of said pins.

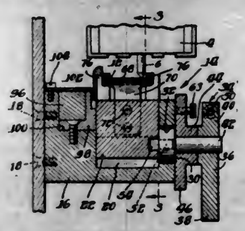
2,205,057
CASKET PLACER
James R. Brady, Marion, Ohio, assignor to The Marion Metal Products Company, Marion, Ohio, a corporation of Ohio
Application November 18, 1937, Serial No. 175,262
7 Claims. (Cl. 27—26)



1. In combination with a casket lowering apparatus having longitudinal elements adapted to extend alongside an open grave, a series of transverse supports adapted to rest on said longitudinal elements to support a casket, said transverse supports being provided with anti-friction means on their upper surfaces, and notches on their lower sides adapted to position them with respect to said longitudinal elements, said notches being elongated whereby to adapt the device for use with lowering devices having the longitudinal elements differently spaced, said notches being provided with deformable cushioning means adapted for engagement with said longitudinal elements.

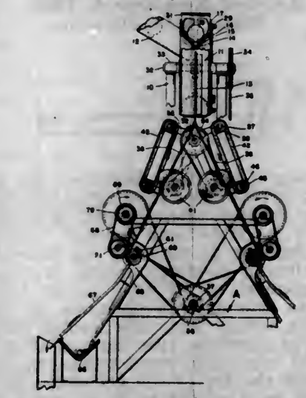
2,205,058
SOUND RECORDER
Sumter Calvert, Chicago, Ill.
Application November 22, 1937, Serial No. 175,835
9 Claims. (Cl. 274—11)

1. In a device for recording or reproducing sound on motion picture film or the like, a stylus, a fixed support, a movable support adjustably mounted on said fixed support, said movable support having a hard, smooth surface forming a track for supporting the film and having a slot extending transversely of said surface and beneath the stylus, a bar in said transverse slot, said bar having a smooth, hard surface for engaging and supporting the film beneath the point of the stylus, spring means mounting said bar in said



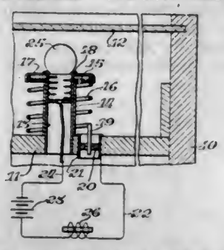
movable support, said movable support having a second slot therein, a slide bar mounted in said slot, a cam member rotatably mounted in the fixed support and eccentrically connected to said slide bar, means for rotating said cam member to raise and lower said slide bar and said movable support to permit threading of the film between the stylus and the film supporting bar, and adjustable means for limiting the rotary movements of said cam precisely to predetermine the pressure of the film against the point of the stylus.

2,205,059
CITRUS JUICE EXTRACTOR
William E. Clark, Dundalk, Md.
Application September 9, 1937, Serial No. 163,073
1 Claim. (Cl. 198—26)



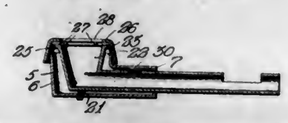
In a citrus juice extractor, a bucket wheel having a plurality of equidistantly spaced centering buckets for the fruit, equidistantly spaced laterally extending trip pins carried by the wheel disposed at predetermined positions relative to the buckets on the wheel, a trough leading to said wheel, a reciprocating plunger mounted in the trough for delivering one fruit at a time, irrespective of size, to the bucket wheel, an operating rod, means operatively connecting the rod to the plunger, a cam foot on the rod normally disposed in the path of the pins, whereby to actuate the plunger in proper timed relation relative to the buckets on the wheel.

2,205,060
AMUSEMENT GAME APPARATUS
Lyndon A. Durant, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application October 7, 1937, Serial No. 167,741
6 Claims. (Cl. 273—118)



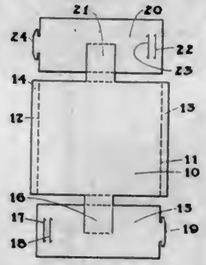
1. For a ball rolling game having a table over which a ball is rollable and a cylindrical helical spring carried thereabove about an upright axis and forming one side of a contact switch, a contact carried on the board and forming the other side of the contact switch, said spring and contact being normally gapped apart in an electrical circuit closable when the ball rolling on the table bumps and deflects the spring to engage it with said contact, an electric lamp included in the circuit and rigidly positioned on the axis of the spring, said lamp being lighted when the circuit is closed and being of less size than the diameter of the spring, whereby the spring protects the lamp from being engaged by a ball when the latter bumps the spring.

2,205,061
STOKER
Fredrick H. Fridenstine, Ogden, Utah
Application September 10, 1935, Serial No. 39,902
Renewed November 6, 1939
1 Claim. (Cl. 110—45)



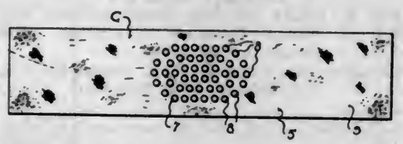
In a device of the class described, the combination of a box-like base forming an air chamber and having one side extended with semi-circular openings in the closed end thereof; a cover for said extended side to close the top thereof with like semi-circular openings therein in alignment with the openings in the base; an air feed pipe leading into one of said openings in the extended end; a fuel feed pipe leading into another of said openings with the end of the feed pipe formed into an inverted frusto-pyramidical fire pot with the top of the pot above the level of the side walls of the base; a square tuyère casting having the top flat and the side walls extending downwardly and outwardly on an angle with the inner side of the sides to fit against the top of the base to seal the air chamber and form the top thereof and having spaced apart bosses on the under side of the flat top, said bosses to rest on the top of the fire pot to leave openings between the tuyère casting and the fire pot for passage of air from the air chamber for combustion of the fuel; and a clean out pipe extended into the extended end of said base through which accumulated dust may be blown by the air pressure from the air feed pipe when the cover of the clean out pipe has been removed.

2,205,062
HAT PROTECTOR
Max H. Friedler, Lewiston, Maine
Application March 12, 1936, Serial No. 68,496
2 Claims. (Cl. 206—8)



1. A one-piece hat protector adapted to be stamped in one operation from a single piece of material, comprising a base member, four side members integral with said base member, two of said side members having a part of a crown member integral therewith means for securing said crown member together to enclose the crown of a hat, the whole protector being adapted to fit over the top of a box and serve as the cover thereof.

2,205,063
SHOE DRESSING AND POLISHING CLOTH
John C. Hester, Milwaukee, Wis., assignor of one-third to George W. Young and one-third to Bertrand Lichtenberger, both of Milwaukee, Wis.
Application January 22, 1937, Serial No. 121,911
2 Claims. (Cl. 15—209)

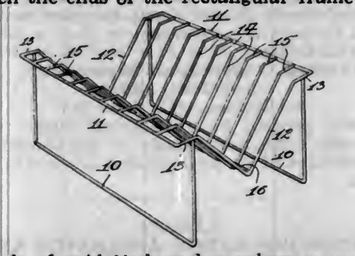


1. As a new article of manufacture, a shoe dressing and polishing device comprising an elongated strip of soft fibrous cloth of a single thickness adapted to be used on one side for applying dressing to a shoe and on the other side for polishing the shoe, and spaced, raised knobs of shoe dressing of material thickness on the side of the cloth used for applying dressing to the shoe, said knobs having their bases secured to the cloth to adhere to the fibres of the cloth, whereby said knobs are adhesively secured to the mentioned face of the cloth without marring the other face of the cloth which is utilized for polishing the shoe.

2,205,064
ROASTING RACK
Urth D. Irwin, Los Angeles, Calif.
Application October 15, 1938, Serial No. 235,198
8 Claims. (Cl. 53—5)

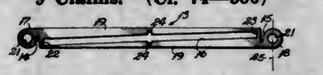
1. A roasting rack comprising a pair of upright supporting frames, a substantially rectangular frame connected to the upper portions of said supporting frames, the side portions of said rectangular frame projecting laterally beyond the vertical planes occupied by the supporting frames, the intermediate portions of the end members of said rectangular frame being substantially V-shape and a series of substantially

V-shaped members arranged in spaced relation between the ends of the rectangular frame with



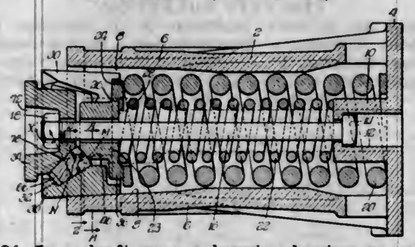
the ends of said V-shaped members secured to the side members of said rectangular frame.

2,205,065
ADJUSTABLE LINK
Maron W. Newcomb, Glen Ellyn, Ill.
Application February 14, 1940, Serial No. 318,887
9 Claims. (Cl. 74—586)



1. As an article of manufacture, a metal link having rigid sections adjustable with respect to each other by rotative movements of an elongated tool blade about its longitudinal axis, said link comprising an elongated flat metal strip having portions cut out to define the rigid sections and deformable webs of small cross sectional area connecting the sections, and means for transmitting the thrust of the tool blade to said webs including notches in the rigid sections engageable by opposite side edges of the blade acting to shift one section relative to the other in a direction determined by the direction of rotation of the blade, said webs bending to conform to the new positions of the sections and remaining in their bent condition after the tool blade is withdrawn.

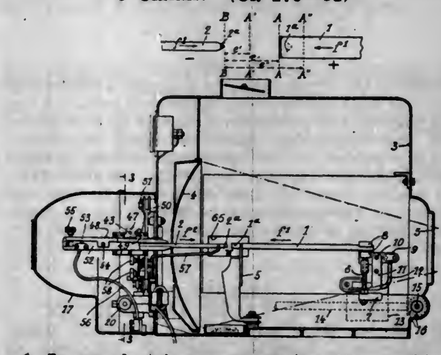
2,205,066
DRAFT GEAR
Raymond C. Pierce, Chicago, Ill., and Edmund P. Kinne, Alliance, Ohio, assignors, by mesne assignments, to said Pierce
Application February 2, 1939, Serial No. 254,134
40 Claims. (Cl. 213—34)



24. In a draft gear, a housing having an open friction end, a compression spring, a clutch means seated in said friction end and comprising a plurality of shoes seated around said friction end, inner and outer wedge followers, and independent thrust means extending between said wedge followers and in abutment with said shoes respectively, each of said shoes also having thrust engagement with one of said wedges on a plurality of spaced areas along flat surfaces at right angles to the axis of said gear.

33. In a draft gear, a barrel having a friction end, a compression spring therein, and clutch mechanism comprising shoes symmetrically seated around said end, inner and outer follower wedges, independent thrust members extending between said wedges for transmitting thrust therefrom to said shoes respectively, each of said thrust members having diagonal face engagement with both of said wedges and with the associated shoe, at least one of said diagonal faces having a cylindrical form, each of said shoes also having thrust engagement with one of said wedges on a plurality of spaced areas.

2,205,067
ELECTRIC ARC
Noël Pierron, Clichy, and Pierre Aubry, Paris, France, assignors to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France, a company of France
Application October 30, 1937, Serial No. 171,888
In France July 19, 1937
6 Claims. (Cl. 176—51)

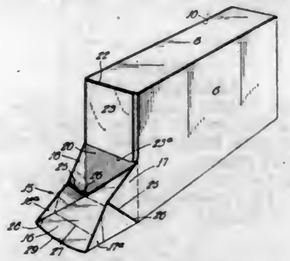


1. In an electric arc apparatus, the combination with the two electrode-holders of a motor rotating at a constant speed during constant time units, and for each electrode-holder an independent speed reducing gears actuated by said motor and feeding means adapted to displace said electrode-holder towards the other electrode-holder, and transmission means between said motor and each feeding means, the transmission ratio of each transmission means being independently adjustable, whereby each electrode-holder is given a regular and constant displacement during each time unit.

2,205,068
CARTON
Earl C. Potter, Chicago, Ill., assignor to Fels & Company, a corporation of Pennsylvania
Refiled for abandoned application Serial No. 130,661, March 13, 1937. This application May 14, 1938, Serial No. 208,049. Renewed June 2, 1939
5 Claims. (Cl. 229—17)

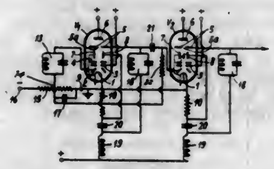
1. A dispensing carton comprising a bottom, two side walls, two end walls, a permanent top closure section connected to the side walls and extending from an end wall inwardly and terminating short of the other end wall at one edge to provide a dispensing opening, said permanent top closure section having its said edge extending beyond the length of its connections to the side walls whereby to overhang the box interior, a movable pouring spout adapted in one position to serve as a closure for the dispensing opening, said pouring spout comprising a bottom and two

side walls carried respectively by the end and side walls of the carton adjacent to the dispensing opening, the side walls and bottom of the spout being defined from the walls of the carton by score lines on which said walls are adapted to swing, the side walls of the spout being scored thereacross at an angle of forty-five degrees from the upper edges of the carton side walls whereby the side walls of the spout will collapse inwardly to permit the bottom of the spout to fold flat over



the dispensing opening and close the same, the bottom of the spout being of a length sufficient so that the edge portion will somewhat underlie the said edge of the permanent closure section to retain the dispensing spout in closed condition, and the bottom of the spout also having a score line impressed therein, generally parallel with, but spaced from, its free edge whereby the end portion of the spout may be bent down to facilitate tucking in under the permanent closure section.

2,205,069
THERMIONIC VALVE AND CIRCUIT
Noël Meyer Rust and George Fairburn Brett, Chelmsford, London, England, assignors to Radio Corporation of America, a corporation of Delaware
Application December 11, 1936, Serial No. 115,279
In Great Britain December 16, 1935
6 Claims. (Cl. 179—171)

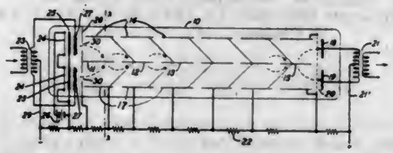


1. A circuit for the amplification of signal frequencies comprising an electron beam tube provided with a slotted anode and an electron gun for projecting an electron beam towards said anode and for controlling the beam intensity, said electron gun being constituted by a cathode, a control electrode, an accelerating anode and a screen electrode arranged in the order named, a collector electrode positioned on that side of the slotted anode remote from the cathode to receive electrons which do not impinge on said anode, means interposed between the screen electrode and the slotted anode for controlling the electron beam so that the amount of the cross section of the beam intercepted by said anode may be varied, progressively increasing potentials impressed respectively upon the accelerating anode, the slotted anode and the collector electrode, and a load impedance connected between only the slotted anode and the cathode.

2,205,070
VULCANIZATION OF RUBBER
Winfield Scott, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 1, 1936, Serial No. 98,901
21 Claims. (Cl. 260—785)

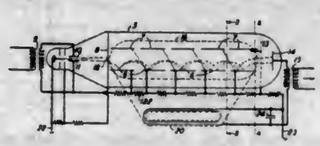
1. The process of vulcanizing rubber which comprises subjecting rubber to vulcanization in the presence of an aryl thiazyl 2-selenide compound.

2,205,071
SPACE DISCHARGE APPARATUS AND CIRCUITS THEREFOR
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1936, Serial No. 93,536
13 Claims. (Cl. 179—171)



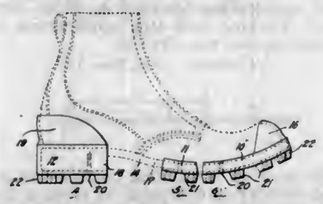
12. In space discharge apparatus, a duplex electron multiplier having an exciting stage comprising a source of electrons and means to control by input waves to be amplified the admission of electrons to the electron multiplier, said means permitting electrons to enter either side of the electron multiplier only when input waves are incident upon the apparatus and then to enter only one side of the multiplier at a time depending upon the polarity of the input wave at the particular instant, said means comprising a pair of control elements, an input circuit having its opposite terminals connected to said control elements and having a center tap point, connections from said center tap point to said source of electrons and to a point of electrical symmetry in said duplex electron multiplier, said connections maintaining the apparatus in electrical symmetry.

2,205,072
SPACE DISCHARGE APPARATUS AND CIRCUITS THEREFOR
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1937, Serial No. 167,525
15 Claims. (Cl. 179—171)



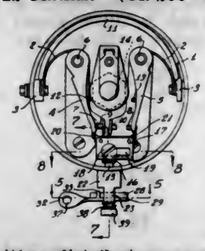
9. In an electron multiplier, a succession of secondary emission members, means for causing successive impacts of electrons from member to member to produce amplification by electron multiplication, said multiplier being subject to variable operation tending to produce variations in output current, and means compensating such variations comprising means operating in response thereto for varying the amplification factor of said multiplier.

2,205,073
METAL PROTECTOR FOR FOOTWEAR
William Smit, Johannesburg, Transvaal, South Africa
Application February 24, 1938, Serial No. 192,218
In South Africa March 16, 1937
1 Claim. (Cl. 36—59)



As an article of manufacture, an over-sole for boots comprising a box-like shape of lightweight metal adapted to fit over the sole of the boot and having side pieces protecting the sides of the sole and an inwardly projecting flange for engaging the top edge of the sole, the oversole being divided transversely of its length and the forward end provided with a toe-cap, and a rearward portion shaped to fit the heel of the boot, the bottom surface of all the parts being provided with projections forming a wearing surface said projections having metal cores of harder metal than the body of the armouring and the projections thereon, such metal cores being flush with the wearing surface of the projections.

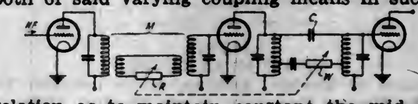
2,205,074
IGNITION DISTRIBUTOR
Frank L. Van Damme, Grosse Pointe, Mich.
Application October 6, 1938, Serial No. 233,618
12 Claims. (Cl. 200—27)



1. An ignition distributor comprising a housing, two sets of breaker points in said housing, means selectively operative from without said housing for rendering either of said sets operative and the other inoperative, positive latch means restraining the first mentioned means against accidental displacement from a selected position, and a movable actuator having means for releasing said latch during initial movement thereof and for actuating said first named means by continued movement after release of said latch.

2,205,075
VARIABLE WIDTH BAND-PASS FILTER
Karl Wilhelm, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 10, 1937, Serial No. 152,926
In Germany July 10, 1936
3 Claims. (Cl. 178—44)

2. In combination, a variable band width filter comprising two portions, means for varying the coupling between elements of one portion and incidentally shifting in one direction the mid frequency of the transmitted band of said filter portions, means for varying the coupling between elements of the second portion and incidentally shifting in the opposite direction the mid frequency of the transmitted band of said second filter portion, means for simultaneously varying both of said varying coupling means in such a

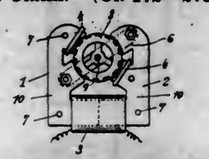


relation as to maintain constant the mid frequency of the transmitted band, and a second filter including two maxima of response, both of said filters being arranged for successive transfer of signals therethrough, the said maxima of response of said second filter being arranged to coincide with the minima of response of said first named filter whereby to produce substantially uniform transmission of signals over the maximum band width of said first named filter.

2,205,076
PREPARATION OF LONG-CHAIN ALIPHATIC MONONITRILES
Charles G. Wortz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 6, 1937, Serial No. 173,196
6 Claims. (Cl. 260—404)

1. A process for the preparation of aliphatic mononitriles which comprises bringing a member of the group consisting of an unsubstituted fatty acid having at least eight carbon atoms per molecule, its corresponding anhydride, ester, ammonium salt, and amide, in the vapor phase, together with an excess of ammonia into contact with a dehydrating catalyst at a temperature between 425° and 450° C. said reaction being further characterized in that it is carried out in a catalytic chamber constructed so as to have an inner surface of a catalytically inactive material.

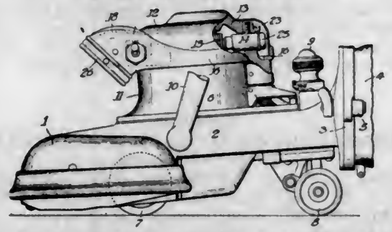
2,205,077
ELECTRICAL MOTOR FOR TIMING MECHANISMS
Samuel Zullo, Jersey City, N. J.
Application March 31, 1939, Serial No. 265,120
1 Claim. (Cl. 172—278)



A rotor for a synchronous electric motor as described consisting of a plurality of spoked iron disk formed laminae and two outer identical copper rings, one on each side of said laminae, each iron laminae comprising a hub, spokes and a rim with recesses in the edge of the rim, each copper ring having outwardly extending radial arms with recesses in the outer edge of said ring spaced between said arms, said arms and said recesses being spaced to register alternately with the recesses in the iron laminae, the arms of one of said copper rings being bent in one direction around the edges of the iron laminae and embedded in the corresponding recesses therein, the arms of the other copper ring being bent around

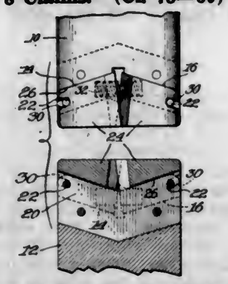
the edges of said iron laminae in the opposite direction and likewise embedded in corresponding recesses therein, the extreme ends of said arms being bent to form clamping hooks around the edges of the laminae with said ends embedded in said spaced corresponding recesses in the other copper ring whereby said laminae and copper disks are held together solely by the clamping pressure of said hooks.

2,205,078
SUCTION CLEANER
Bernard C. Becker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Continuation of application Serial No. 628,813, August 15, 1932. This application January 29, 1934, Serial No. 708,893
10 Claims. (Cl. 240—2)



1. A motor casing cap for a suction cleaner comprising a housing portion closed on one side and open on the other, a collar seating the edge of said housing at its open side and secured thereto, a reflector housing integrally formed on said collar and positioned at the side of said housing, an electric light detachably mounted in said reflector housing, current-carrying leads extending thru said housings and connected to said light, and a switch carried by said reflector housing and in the circuit of one of said current-carrying leads.

2,205,079
METAL FORMING MACHINE
Henry A. Berliner, Washington, D. C., assignor, by mesne assignments, to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application October 29, 1938. Serial No. 237,612
8 Claims. (Cl. 78—60)



1. In a metal forming machine, a jaw supporting member having a pair of cam surfaces sloping inwardly from the sides of the member, an outwardly extending flange carried by said member and extending outwardly from said cam surfaces, and a pair of jaws each formed with a cam surface engaging one of the cam surfaces on said member and having a groove therein embracing said flange.

2,205,080
METHOD OF MAKING INTERLOCKING ROOFING TILE
Davis Brown and Joseph B. Peebles, Los Angeles, and Bruner Moore Burchfiel, Glendale, Calif.; said Peebles and said Burchfiel assignors to said Brown
Original application August 4, 1936, Serial No. 94,184. Divided and this application January 31, 1938, Serial No. 187,902
3 Claims. (Cl. 25—156)



1. The method of making roofing tile in which a ribbon of clay is extruded to form a web with an upper surface for exposure to the weather and a plurality of downwardly extending ribs with spaces between the ribs and the web comprising while the ribbon is moving in a forward direction at the rate of extrusion, in a single operation severing the ribbon to form a tile length and at the same time deforming one end of the web and a portion of the ribs adjacent thereto to form an end seal integral with the web and the ribs and bringing the lower edge of the seal into alignment with the lower edge of the ribs whereby the said seal forms an end closure for the space between the ribs and the web when the tile is set up on a roof.

2,205,081
COLLAPSIBLE TUBE METHOD OF DEPOSITING EXPLOSIVE CHARGES
Lawton Arthur Burrows, Woodbury, N. J., and Clifford Akeley Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 7, 1939, Serial No. 298,420
4 Claims. (Cl. 86—10)

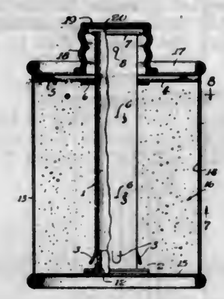


1. The method of introducing an ignition charge onto the filament of an electric blasting initiator, which method comprises extruding said charge in plastic form from a closed system into suitable position on the filament of said initiator.

2,205,082
DISPENSING CONTAINER
Andrew J. Callaghan, Oak Park, and Lawrence J. McCarthy, Maywood, Ill., assignors of one-half to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York, and one-half to American Oil & Grease Corporation, Chicago, Ill., a corporation of Michigan
Application May 16, 1938, Serial No. 208,166
7 Claims. (Cl. 221—78)

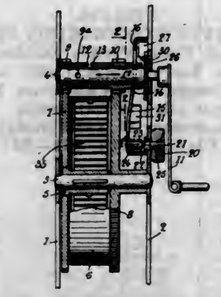
1. A compact non-refillable shipping cartridge comprising a container of fluid such as grease and having an opening and a closure therefor, an annular plate over the grease, a tube enclosed by the container and surrounded by the plate and adapted to be pulled outward through the opening when the closure is removed, and

means arranged on the plate and tube so as permanently to interlock them to form a piston-



and-piston-rod unit when the tube is so pulled, forming a grease gun.

2,205,083
DRIVING MECHANISM OF THE BARREL TYPE
Paul Georges Cases, Paris, France, assignor to Pathé Cinéma, Anciens Établissements Pathé Frères, Paris, Seine, France
Application April 27, 1937, Serial No. 139,198
In France November 16, 1936
6 Claims. (Cl. 185—39)

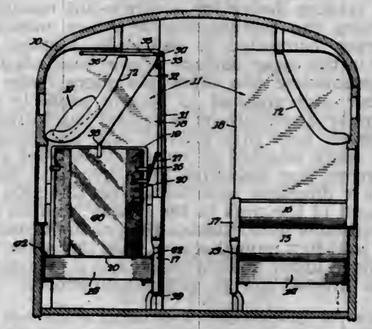


1. In combination a main rotatable shaft, a barrel loosely mounted on said main shaft, and provided with a toothed ring adapted to transmit movement to a mechanism, a spring connected at one end with said barrel and at the other end with said main shaft and adapted when tensioned to rotate said barrel with respect to said shaft, a toothed wheel having the same diameter as said toothed ring and secured on said main shaft, an auxiliary rotatable shaft, two pinions having the same diameter, the first pinion being keyed on said auxiliary shaft and meshing with said toothed wheel and the second pinion being loosely and slidably mounted on said auxiliary shaft and meshing with said toothed ring, cooperating connecting means on said first and said second pinion adapted to operatively connect and disconnect said pinions, operating means adapted to rotate said auxiliary shaft, a ratchet wheel keyed on said auxiliary shaft, a stationary axle, a pawl pivoted on said axle and adapted to be engaged with said ratchet wheel, and a manually operated pivoted lever engaging said second pinion and adapted to bring said second pinion into and out of engagement with said first pinion.

2,205,084
AGE RESISTOR
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 16, 1936, Serial No. 85,555
7 Claims. (Cl. 260—310)

2. A method of preserving rubber which comprises treating the same with an addition compound consisting of one mol of a quinone and a whole number of mols of a naphthol from 1 to 2 reacted under non-alkaline conditions.

2,205,085
RAILWAY SLEEPING CAR
David A. Crawford, Golf, Ill., assignor to The Pullman Company, Chicago, Ill., a corporation of Illinois
Application November 3, 1938, Serial No. 238,537
14 Claims. (Cl. 105—316)



1. In a railway car having a section, confronting seats in the section each having a back cushion and a seat cushion convertible jointly to form a mattress support, a mattress on said cushions, dressing space in said section formed by removal of one of said seat cushions, and a rigid panel supported on said remaining cushions having a hinged portion supporting said mattress over said dressing space and movable with said mattress to a position to expose said dressing space.

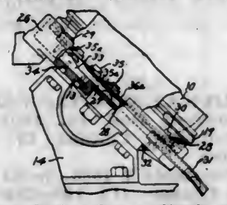
2,205,086
REINFORCING MEMBER FOR THE SPRINGS OF MOTOR DRIVEN VEHICLES
Albert Philip Charles Dell, Chippendale, New South Wales, Australia
Application August 15, 1938, Serial No. 224,904
In Australia February 3, 1938
2 Claims. (Cl. 267—48)



1. In a motor vehicle spring of the inverted transverse type, reinforcing members characterized in that they comprise a pair of like curved spring members having substantially flat surfaces connected by transverse open mouthed U shaped bends or corrugations that project inwardly from the concave side of each curved reinforcing member, the bends or corrugations in said reinforcing spring members being substantially the length of the flat portions of the reinforcing members, with a clamp at each end of the reinforcing member and intermediate

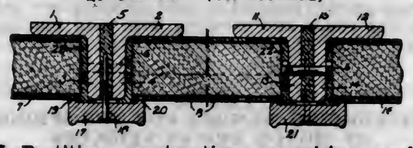
thereof between adjacent curved U shaped bends of the reinforcing members tying the reinforcing members to the vehicle spring.

2,205,087
HOPPER MECHANISM
Plummer E. Double, Detroit, and Frank Wascher, Flint, Mich.
Application July 22, 1938, Serial No. 220,730
6 Claims. (Cl. 218—2.1)



1. A feeding device for a clinch-nut machine, comprising the combination of a base member, a raceway connected to said base member, a groove in the upper surface of said base adapted to accommodate the lower peripheral edge of a hopper and adapted to receive properly selected nuts, a second groove in said base directly underneath said first groove, said last named groove being adapted to receive nuts from said first groove and discharge them into said raceway in a direction opposite to the direction of movement of the nuts in the hopper, and an insert positioned in said base adjacent the terminal end of said first named groove, said insert having an inclined upper surface adapted to give impetus to nuts directed toward said second groove.

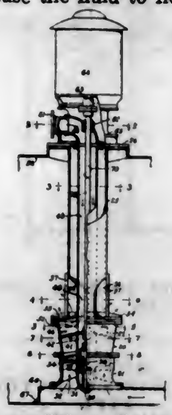
2,205,088
PARTITION CONSTRUCTION
Wilmot C. Douglas, Plainfield, N. J., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application April 16, 1938, Serial No. 202,565
10 Claims. (Cl. 189—34)



5. Partition construction comprising angled metallic supporting members; an anchoring strip of relatively low density comprising felted fiber board treated to be moisture repellant carried by the supporting members; partition panels having their ends fitted within the angles of said members; and a batten strip overlapping the adjoining ends of said panels, said batten strip secured to said anchoring strip and sealing the latter against moisture penetration.

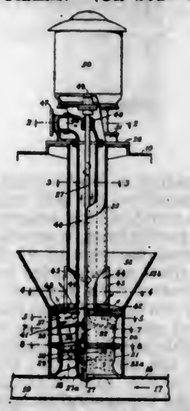
2,205,089
APPARATUS FOR MIXING FLUIDS
Earle W. Gard, Palos Verdes Estates, and Blair G. Aldridge, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application July 5, 1938, Serial No. 217,452
4 Claims. (Cl. 261—93)

1. A fluid mixing apparatus including a motor, a rotary shaft driven by said motor, a casing around said shaft, a rotary fluid propeller mounted on the end of said shaft and within said casing and adapted to receive a fluid and to discharge it into said casing at a relatively low velocity head, arcuated vanes within said casing and adjacent the discharge side of said propeller adapted to cause the fluid to flow in a direction



substantially parallel to the axis of said shaft and casing, and a plurality of hollow ribs disposed radially with respect to the axis of the shaft, said ribs being provided with openings communicating the interior of said hollow ribs with the exterior thereof.

2,205,090
APPARATUS FOR MIXING FLUIDS
Earle W. Gard, Palos Verdes Estates, and Blair G. Aldridge, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application December 17, 1938, Serial No. 246,412
4 Claims. (Cl. 261—93)



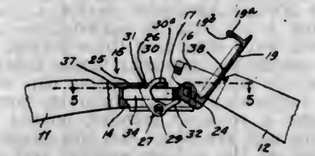
1. A fluid mixing apparatus including a motor, a rotary shaft driven by said motor, a casing around said shaft, a rotary fluid propeller mounted on the end of said shaft and within said casing and adapted to receive a fluid and to discharge it into said casing at a relatively low velocity head, arcuated vanes within said casing and adjacent the discharge side of said propeller adapted to cause the fluid to flow in a direction substantially parallel to the axis of said shaft and casing, a plurality of hollow ribs disposed radially with respect to the axis of the shaft, said ribs being provided with openings communicating the interior of said hollow ribs with the exterior thereof, discharge means and a funnel shaped element having its smaller opening in communication with said discharge means.

2,205,091
FOOT COVERING
Samuel H. Geffner, New York, N. Y.
Application May 6, 1939, Serial No. 272,262
2 Claims. (Cl. 36—2.5)



1. In a foot covering, a main sole, an upper of washable or cleanable material, an insole connected to the upper formed of washable material, and means for removably uniting the upper to the main sole consisting of mounting strips of washable material secured along margins of the main sole and the insole, interengageable slide fasteners carried by said strips, and means for effecting detachable inter-engagement of the slide fasteners with each other.

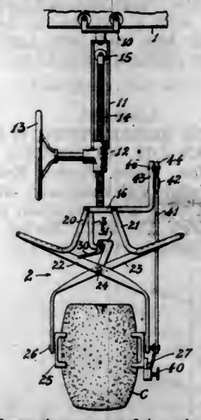
2,205,092
CLASP
Emil Haeffner, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application May 21, 1938, Serial No. 209,348
8 Claims. (Cl. 24—241)



2. In a device of the nature described, in combination, a body member having a recess adapted to receive a coupling or the like, a catch pivotally mounted in said body member and movable between open and closed position with respect to said coupling when in said recess, a U-shaped part disposed within said body member embracing said catch and having its closed end adjacent said recess, said catch also having a portion underlying the closed end of said U-shaped part and adapted to be engaged thereby upon insertion of said coupling into said recess, whereby as said coupling is placed in said recess the closed end of said part moves against said portion of said catch to swing said catch into its closed position to maintain said coupling in said recess, and a cover member operatively attached to said body member and closable to a position overlying said coupling, said recess and said catch.

2,205,093
CRUCIBLE HANDLING MECHANISM
Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, a corporation of Illinois
Application August 2, 1938, Serial No. 222,600
10 Claims. (Cl. 22—82)

1. Crucible handling mechanism, comprising a suspension member, lazy-tongs including two bars each pivoted by one end to said suspension member, two crossed tongs arms having their upper ends pivoted respectively to the free ends of said bars, and a pivot interconnecting the overlapping parts of said arms, two crucible engaging shoes mounted one on the free end of each

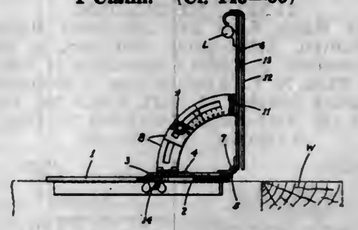


arm of said lazy-tongs, and tension toggle linkage interconnecting said suspension member and said tongs arms pivot, and variable in effective length to open and close said lazy-tongs, thus to move said shoes between crucible gripping and crucible releasing positions.

2,205,094
FOOD PRODUCT AND METHOD FOR ITS PREPARATION
Frederick Hammond, Charleston, W. Va.
No Drawing. Application April 4, 1938, Serial No. 199,762
4 Claims. (Cl. 99—182)

1. The method of making a food product which comprises extruding a cored tube having an outer tubular coating of farinaceous material of sufficient coherence to produce a continuous sheathing and having a core of a different food material, drying said cored tube only superficially, and canning the same.

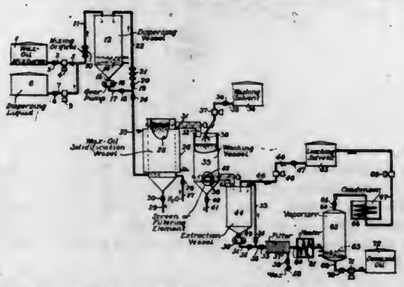
2,205,095
COMBINATION MITER GAUGE AND SAW GUIDE
Calle P. Jacobsen, Fortuna, Calif.
Application May 27, 1938, Serial No. 210,395
1 Claim. (Cl. 143—88)



A foldable saw guide comprising a work engaging rail, a disc turnably mounted on the rail, an arm rigid with the disc disposed in a vertical plane parallel to and above the rail for folding onto the same by rotation of the disc, a saw guide plate upstanding from and hinged onto the arm for folding movement over the disc, a quadrant member hinged at one end on the disc for fold-

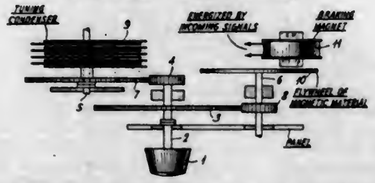
ing movement so as to lie adjacent and substantially parallel to the disc, said member being free at the other end, a cooperating quadrant member hinged at one end onto the guide plate for folding movement against the same and free at the other end, the members normally overlapping each other, and a removable clamping unit normally holding the members against separation and relative circumferential movement.

2,205,096
PROCESS FOR SEPARATING WAX FROM WAX-OIL MIXTURES
Vance N. Jenkins, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application March 19, 1937, Serial No. 131,807
1 Claim. (Cl. 196—18)



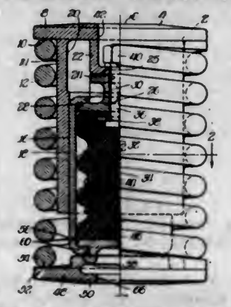
A process for separating oil from wax-oil mixtures which comprises dispersing a liquefied wax-oil mixture in an aqueous solution to form an oil in water type dispersion, passing said aqueous wax-oil dispersion into a body of water maintained at a temperature below the solidification point of the wax-oil mixture and thereby solidifying the wax-oil mixture into a plurality of non-adherent particles which readily separate from said aqueous solution, removing the aqueous solution from the solidified wax-oil particles, washing said wax-oil particles with a solvent capable of dissolving water but substantially no oil or wax at the temperature of said washing, commingling said separated wax-oil particles with a solvent capable of dissolving oil but inappreciable amounts of wax at the temperature of admixture and thereby dissolving oil from said wax-oil particles and separating the dissolved oil and solvent from the wax particles.

2,205,097
TUNING MECHANISM
Gunnar Börge Knös and Alexandre Horowitz, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 15, 1937, Serial No. 169,103
In the Netherlands December 11, 1936
3 Claims. (Cl. 250—40)



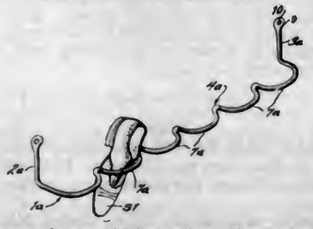
1. In a tuning mechanism for a radio receiving set provided with a tuning condenser, a driving shaft and a plurality of driven shafts all arranged in parallel, the tuning condenser being mounted on one of the driven shafts, a combined flywheel and brake disc of magnetic material mounted on a second driven shaft, a braking magnet responsive to incoming signals cooperatively related with said combined flywheel and brake disc and gearing means separately interconnecting each driven shaft with the driving shaft such that rotation of the latter shaft at a certain speed causes the first driven shaft to rotate at reduced speed and the second driven shaft to rotate at increased speed with respect to the driving shaft.

2,205,098
SNUBBER
John A. Lamont, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 17, 1939, Serial No. 262,362
15 Claims. (Cl. 267—9)



1. In a friction absorbing device, a compression spring, a top follower seated there-against and having walls extending there-within, a plurality of segmental cylindrical shoes slidably arranged within said walls, a spring cap abutting said top follower, a bottom follower supporting said spring, a resilient member housed within said device and seated at the top against said spring cap, at the bottom against said bottom follower, and engaging said shoes at a plurality of spaced areas to urge said shoes against said walls and retain said parts in assembled relationship by friction therebetween, and annular flanges on said shoes engaging annular flanges on said bottom follower and on said spring cap to limit relative motion therebetween.

2,205,099
SHOE RACK
John R. Lentz, Philadelphia, Pa.
Application March 25, 1938, Serial No. 197,982
1 Claim. (Cl. 211—35)



A shoe rack consisting of a single length of wire forming an intermediate portion and two end portions: said intermediate portion being bent and shaped to provide a series of aligned

shoe retaining elements, each having a pair of diametrically opposed lateral shoe side engaging sections, and a forward shoe front engaging section contiguous with said lateral sections; and each of said end portions being bent so that the free extremity thereof extends to a point out of alignment with respect to the shoe retaining elements, said extended free extremity of each end portion having means for attaching the rack onto a supporting surface to support the shoe retaining elements outwardly and away from said surface at substantially right angles thereto whereby said pair of lateral sections and forward section of a shoe retaining element may relatively engage the sides and front of a shoe and thereby resiliently urge the bottom of the shoe into engagement with said surface for the positive retention of the shoe by the rack against said surface.

2,205,100
VULCANIZATION OF RUBBER
Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 28, 1937, Serial No. 145,303
20 Claims. (Cl. 260—793)

1. The method of treating rubber which comprises vulcanizing it in the presence of the reaction product of a dithio acid and a halo ketone containing at least three halogen atoms substituted alpha to the carbonyl group but with not more than two such halogen atoms on the same carbon atom.

2,205,101
VULCANIZATION OF RUBBER
Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 19, 1937, Serial No. 149,202
13 Claims. (Cl. 260—788)

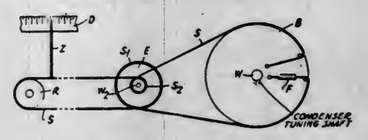
1. The method of treating rubber which comprises vulcanizing the same in the presence of the product obtained by reacting sulfur and a 2-amino benzothiazole at a temperature between about 190° and 270° C.

2,205,102
MODEL TEST PIECE
Oscar W. Loudenslager, Akron, and Lloyd H. Donnell, Cuyahoga Falls, Ohio, assignors to Goodyear-Zeppelin Corporation, Akron, Ohio, a corporation of Delaware
Application June 4, 1937, Serial No. 146,444
12 Claims. (Cl. 265—1)



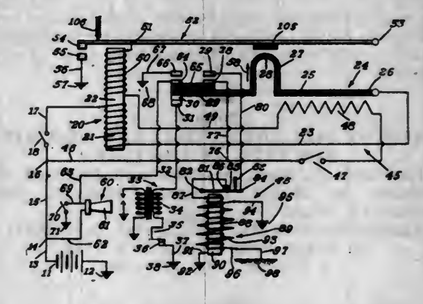
1. An elastic member in a structural model adapted to extend between two points of said model for determining axial stresses in a corresponding member of a prototype under load, consisting of two Z-shaped beams of identical construction and facing each other in reversed position in two closely spaced planes substantially parallel, the offset portions of said beams being constructed stiff to resist bending and moving angularly under axial forces imparted thereto.

2,205,103
TUNING CONTROL SYSTEM FOR RADIO RECEIVERS
Werner Mahnken, Blankenfelde, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 20, 1938, Serial No. 246,767
In Germany January 3, 1938
8 Claims. (Cl. 74—10)



1. Tuning control mechanism for radio apparatus comprising in combination a variable tuning device, independently operable means adapted to provide selective coarse and fine adjustments of said tuning device, and common actuating means cooperatively engaging the tuning device and the independently operable means.

2,205,104
MOTOR VEHICLE THEFT PREVENTION DEVICE
William H. May, Los Angeles, Calif., assignor of one-half to Marion J. Wilson, Los Angeles, Calif.
Application March 10, 1937, Serial No. 130,078
8 Claims. (Cl. 177—314)



1. In a device as described, an engine with an ignition low tension circuit including a battery, a lead therefrom to an ignition switch, a transformer having a primary winding and a connection from the primary winding to ground combined with a thermostat switch with one contact located in the low tension ignition circuit, an electromagnet having a first winding in the ignition circuit, an armature for the electromagnet, a heating circuit separate and distinct from the ignition circuit except for the said battery and said lead for the thermostat switch including a heating coil, a connection to said heating coil including a control switch to the battery and a connection through the armature when in a closed circuit position on energizing of the electromagnet to form a ground for the heating circuit whereby on opening of the thermostat switch due to the application of heat by the heating coil the ignition circuit is opened.

2,205,105
NECKTIE

Valentine Naftali, Pelham Manor, N. Y., assignor of thirty-three and one-third per cent to Rudolf Naftali, Pelham Manor, and thirty-three and one-third per cent to Henry Naftali, New York, N. Y.

Application February 18, 1939, Serial No. 257,039
1 Claim. (Cl. 2—146)

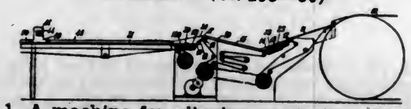


In a necktie of the character described, a pair of tab members bias cut to render them resilient to longitudinal stretch and spaced from each other in a longitudinal direction, a neckband member interposed between said tab members, the opposite ends of said neckband member being provided with notches extending inwardly from the said ends, the inner ends of said tab members being shaped to conform to and being received within said notches, said neckband member being connected to said tab members by stitching along the edges of said inner tab ends and said neckband notches, said inner ends of said tab members being arranged in opposed relationship substantially along the longitudinal axis of said necktie.

2,205,106
MACHINE FOR ARRANGING AND STACKING BISCUITS OR THE LIKE

John Currie Paterson, Peterborough, England, assignor to Baker Perkins Company, Inc., Saginaw, Mich.

Application July 24, 1937, Serial No. 155,541
In Great Britain August 4, 1936
6 Claims. (Cl. 198—30)



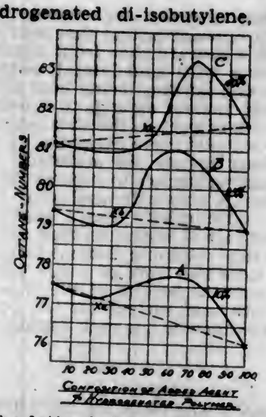
1. A machine for aligning or stacking biscuits or like shaped articles comprising a plate, a plurality of spaced partitions defining guideways over the surface of said plate, and co-operative magnetic means in said plate and partitions for holding the partitions in place.

2,205,107
MOTOR FUEL COMPOSITION

Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application October 23, 1935, Serial No. 46,277
1 Claim. (Cl. 44—9)

A motor fuel comprising gasoline and at least 25% of a polymer blend comprising di-isobutylene and hydrogenated di-isobutylene, the proportion of the latter being at least three times the proportion of the former.



2,205,108
PLASTIC COMPOSITIONS

Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

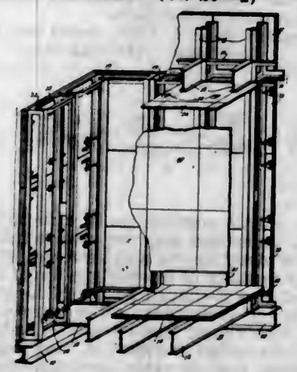
No Drawing. Application September 10, 1937, Serial No. 163,247
10 Claims. (Cl. 260—42)

1. A tough non-brittle homogeneous composition comprising in combination an aliphatic plastic consisting of a plastic, elastic, isobutylene polymer hydrocarbon having a molecular weight above about 1,000, with a cyclic polymer obtained by condensation of unsaturated compounds selected from the group consisting of olefines and acetylenes, containing at least one carbonyl group adjacent to the unsaturated linkage, with unsaturated hydrocarbon compounds capable of reacting therewith to produce normally brittle resinous plastics the said homogeneous composition being characterized by the combination of properties of toughness, elasticity and resistance to acids, alkalies and oxidation.

2,205,109
BUILDING

Walter S. Rugg, Pittsburgh, and Henry D. James, Edgewood, Pa.

Original application May 8, 1937, Serial No. 141,438. Divided and this application November 30, 1937, Serial No. 177,262
7 Claims. (Cl. 20—1)

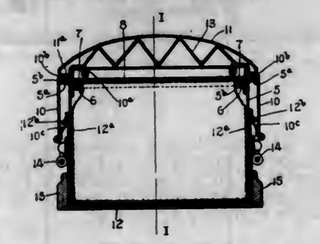


1. In a building structure, in combination, a foundation, a frame carried by the foundation, a beam structure carried by the frame, a ceiling finish suspended from the beam structure, a wall finish carried by the frame, the ceiling finish extending within a predetermined distance of the wall and the wall finish extending within a predetermined distance of the ceiling, blocks disposed between the wall and ceiling, tightening means disposed between the blocks for spreading them to firmly retain the engaged edges of the ceiling finish and the wall finish in position, and a trim disposed between the ceiling and wall, said trim serving to unite the wall and ceiling to present a good appearance.

2,205,110
COMBINED CASKET AND GRAVE VAULT

William S. Stone, Green Township, Hocking County, Ohio

Application August 27, 1937, Serial No. 161,304
2 Claims. (Cl. 27—6)



2. A combined casket and grave vault including a casket constructed of leak proof sheet copper, a vault portion to inclose the casket consisting of an external arched protective cover of sheet steel having inwardly turned tongue and groove margins, and a zig-zag interior bracing member for said arched cover of sheet steel footed on said inwardly turned margins, a hood of sheet copper for the casket having its upper portion bent into permanent engagement with said inwardly turned margins of the arched cover, the skirt of said hood being of ample depth and spaced from the exterior of the casket to provide a confined water excluding air body between the casket and vault hood.

2,205,111
ENTERIC COATING

Ernest H. Volwiler, Highland Park, and Marjorie B. Moore, Waukegan, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application August 28, 1936, Serial No. 98,339. Renewed November 20, 1939
9 Claims. (Cl. 167—82)

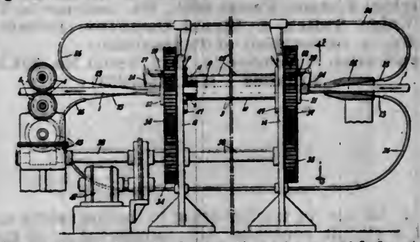
1. An enteric coating for oral medicaments such as pills, capsules, tablets and the like, comprising about twenty percent stearic acid modified phthalic glyceride condensation product.

2,205,112
VULCANIZER

Archibald L. Wallace, Northport, N. Y., assignor, by mesne assignments, of one-half to Archibald L. Wallace, and one-half to Cherryfield Corporation, a corporation of Delaware

Application February 15, 1938, Serial No. 191,129
6 Claims. (Cl. 18—6)

1. Vulcanizing apparatus for the continuous processing of strip stock of unlimited length, comprising: a heater through which the strip stock is progressively longitudinally fed for processing, and means for confining said stock to definite external form and dimension during its passage through said heater, said last-mentioned means consisting of one or more matrix-forming members arranged longitudinally of the heater-disposed portion of said stock, co-motive therewith, and capable of contiguous assembly as an enveloping matrix therefor, and means for binding said longitudinally-arranged matrix-forming members in uniform matricular assembly

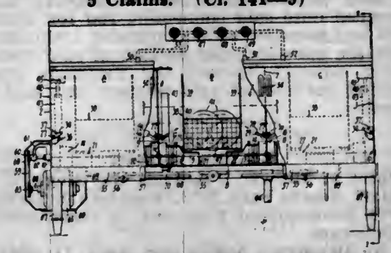


with said strip stock as it enters said heater, maintaining said matricular assembly during passage through said heater and self-releasing said members from bound matricular assembly after egress from said heater, said self-releasing binding means comprising a highly flexible string of high tensile strength threaded through said heater in the form of a helix, and means for uniformly helically winding and tensioning said string about the heater-entrant portion of said matrix-forming members and unwinding said helix as it emerges from said heater.

2,205,113
DISHWASHING AND STERILIZING APPARATUS

William R. Adams, San Francisco, Calif.

Application December 27, 1938, Serial No. 247,758
5 Claims. (Cl. 141—9)



1. In dishwashing apparatus including a substantially rectangular tank for water, a pair of relatively short open-ended conduits at opposite sides of the tank and adjacent the bottom, one end of each conduit opening laterally into the tank toward the center thereof at a point closely adjacent said bottom and the opposite end of each conduit opening upwardly into the tank at a point spaced above said bottom for discharging water in the conduit vertically therethrough, a plate spaced above and extending across the upper open end of each conduit adapted to deflect water discharged from said opposite end generally toward the center of the tank, means for moving the tank water through the lower open end of each conduit and out of said opposite open end for deflection by the plate over said opposite open end, means mounting each plate for tilting to various positions on a vertical plane relative to the directional flow of water from each opposite open end of each conduit, for deflecting

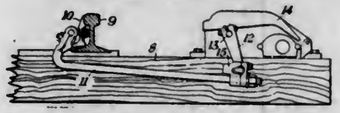
the water at various angles relative to the central vertical axis of the tank and means for securing said plate in any of the tilted positions, means on said plate forming a plurality of guide channels positioned to receive the water discharged against said plate and for guiding the water received in said channels.

2,205,114

RAILWAY TRACK SWITCH CONNECTING MECHANISM

Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application November 15, 1939, Serial No. 304,524
4 Claims. (Cl. 246—253)



1. Means for transmitting to the operating arm of a circuit controller the movement of a connecting rod adapted to be operatively connected with the point of a railway track switch whereby to detect the position of said point with respect to an associated track rail, said means comprising, in combination, an element operatively connected with said operating arm and having a substantially spherical shaped end portion, a member threaded on said connecting rod and provided with a recess laterally offset with respect to the axis of said connecting rod, a plunger disposed in said recess and having a bearing surface concavely shaped to receive one side of the spherical end portion of said element, a compression spring disposed in said recess for urging said plunger into intimate contact with the end portion of said element, a cap member slidably mounted on said connecting rod and provided with a bearing surface concavely shaped to receive the other side of the spherical end portion of said element, and means including a nut threaded onto said connecting rod for securing said cap member to said member whereby to hold the spherical end portion of said element under pressure between the concavely shaped bearing surfaces of said plunger and said cap member.

2,205,115

SILVER POLISH

Delbert F. Brown, Westfield, and Hugh C. De Hoff, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 27, 1937, Serial No. 139,206
2 Claims. (Cl. 134—24)

1. A cleaning and polishing emulsion having approximately the following composition: about 15 to 50% of a low molecular weight aliphatic alcohol, about ½ to 2% of gum tragacanth, about 1 to 5% of an oil, about 5 to 25% of light finely-divided abrasive powder, and the balance water.

2,205,116

EXPLOSIVE

Willi Brün, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware

No Drawing. Application June 3, 1938, Serial No. 211,567
16 Claims. (Cl. 52—5)

1. A lead salt of 4-nitro phthalic acid.

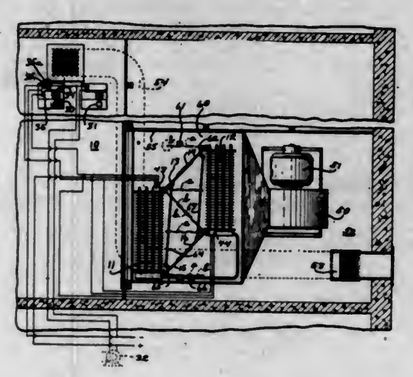
7. A deflagrating composition comprising as an ingredient a lead salt of 4-nitro phthalic acid.

2,205,117

REFRIGERATING APPARATUS

Jewel C. Chambers, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application December 27, 1933, Serial No. 704,164
11 Claims. (Cl. 62—6)



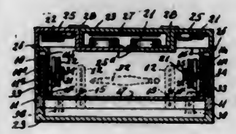
1. An air conditioning apparatus comprising two or more air modifying units, means for causing a stream of air to pass selectively in series or parallel through said units to vary the effect upon the relative humidity of said air.

2,205,118

RAINPROOF AND ADJUSTABLE TWO-IN-ONE SUITCASE

Bertalan Friedman, New York, N. Y.

Application May 6, 1938, Serial No. 206,355
2 Claims. (Cl. 190—45)



1. In a suitcase, a top hollow body section having a side wall portion of inverted U-shape, a bottom hollow body section having a wall portion engaging between the arms of said U-shaped wall portion for telescopically joining said sections to engage one within the other so as to be extendable and retractable with relation to each other, a transverse wall adjustably mounted on the inner arm of said U-shaped wall portion for dividing the interior of said suitcase into separate compartments, and means for holding said transverse wall in various adjusted positions for increasing the capacity of the compartment on one side of said transverse wall while simultaneously decreasing the capacity of the compartment on the other side of said wall and vice versa, said inner arm of said U-shaped wall portion being formed with an inwardly extended offset portion forming a space between the adjacent faces of the inner arm of said U-shaped wall portion and the wall portion of said bottom body section, and an upwardly extending flange formed on the edge portions of said transverse wall and engageable into said space.

2,205,119

METHOD OF SETTING DRILLABLE LINERS IN WELLS

Elwin B. Hall and Arthur L. Armentrout, Los Angeles, Calif., assignors, by direct and mesne assignments, to Security Engineering Co. Inc., a corporation of California

Application April 17, 1939, Serial No. 268,306
8 Claims. (Cl. 166—1)



1. The method of setting a readily drillable liner in a well which includes forcing cement into the space between that portion of the liner that extends up into the casing and the casing and allowing the cement to set.

2,205,120

PROCESS FOR RENDERING CELLULOSE-CONTAINING MATERIAL CREASE-RESISTANT AND PRODUCTS OBTAINED THEREBY

George Heberlein, Jr., Ernst Weiss, and Hans Hemmi, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

No Drawing. Application December 23, 1937, Serial No. 181,454. In Germany December 28, 1936
11 Claims. (Cl. 8—116)

1. A process for rendering cellulose-containing material crease-resistant which comprises treating cellulose-containing material with a swelling agent, thereafter impregnating the material with formaldehyde in the presence of a non-alkaline catalyst, heating the impregnated material while substantially dry for a sufficient length of time to about 90–160° C. and causing a chemical combination between the cellulose and formaldehyde whereby an effective crease-resistant quality is obtained and the tendency of the formaldehyde to weaken the fiber is at least in part offset by the preswelling.

9. As a new product, a substantially shrink-proof cellulose-containing material swollen with a swelling agent and thereafter chemically combined with formaldehyde, said product having a strength substantially higher than such material treated with formaldehyde without the preliminary swelling treatment.

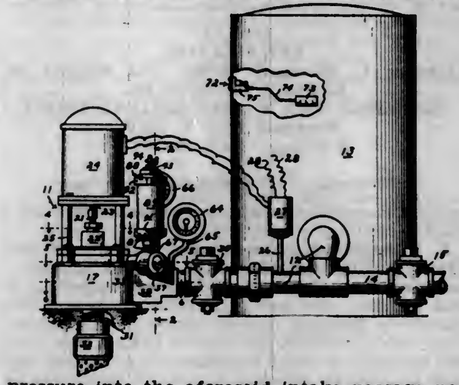
2,205,121

PUMPING DEVICE

Candido Jacuzzi, Berkeley, Calif., assignor to Jacuzzi Bros. Inc., a corporation of California

Application July 12, 1937, Serial No. 153,140
3 Claims. (Cl. 103—113)

3. In a liquid-pumping unit, a casing providing suction intake and pressure discharge passages for the unit, a mechanically operable pump operative in the casing for effecting a continuous pressure discharge of liquid into said discharge passage, means automatically operative to limit the pressure generatable in the discharge passage to a predetermined value, a check valve in the intake passage arranged for its opening by and under a relatively low degree of suction in the intake passage portion between the valve and the said pump, means providing an intake by-pass around said valve, an injector pump operative in the by-pass to induce an intake flow of liquid around the check valve and under positive



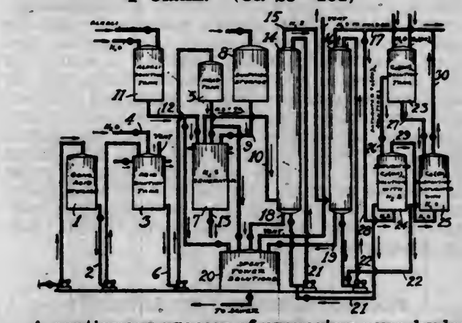
pressure into the aforesaid intake passage portion whereby the discharge pressure of the injector pump will tend to neutralize the suction of the first pump, and means providing a passage to feed liquid back from the discharge passage to the jet nozzle of the injector pump to operate the latter, the discharge pressure of the injector pump being arranged to over-neutralize the intake suction of the first pump when the pressure in the discharge passage approximates the limiting value therefor whereby the check valve is held closed and the full intake stream to the first pump is supplied through the by-pass.

2,205,122

PURIFICATION OF GASES

Sylvester Alton Le Croy, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

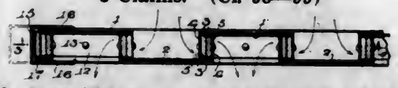
Application October 12, 1937, Serial No. 168,532
1 Claim. (Cl. 23—181)



A continuous process of preparing pure hydrogen sulfide from a gas mixture of hydrogen sulfide and carbon dioxide which comprises continuously contacting said gas mixture in an initial countercurrent scrubbing zone with an

aqueous 0.2% calcium hydroxide solution saturated with hydrogen sulfide, removing the scrubbed gases from the initial scrubbing zone and re-scrubbing the same in a second countercurrent scrubbing zone with an aqueous 3.0% suspension of calcium hydroxide saturated with hydrogen sulfide, continuously saturating new portions of said calcium hydroxide solution and suspension with a part of the hydrogen sulfide purified in the manner described, and employing the calcium hydroxide solution and suspension thus treated in the scrubbing of further portions of the said mixture of hydrogen sulfide and carbon dioxide.

2,205,123
VENTILATOR
Clarence L. Metzgar, Media, and Francis M. Lambert, Narberth, Pa.
Application April 26, 1937, Serial No. 139,034
Renewed July 3, 1939
8 Claims. (Cl. 98—99)



8. A ventilator, comprising a plurality of sections in staggered relation in parallel planes, a partition connecting neighboring edge portions of said sections, said partitions being formed of two oppositely directed channel members comprising telescoping laterally positioned flanges, the central portions of which members are apertured and each pair of the adjacent flanges of which secure between them an edge portion of one of said sections, the apertures in said channel members being staggered, a section of gauze between the members of each such pair, means to operatively space said members apart, and means passing through said spacing means to secure said members in operative relation.

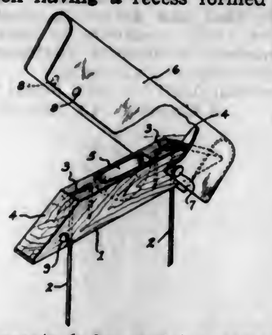
2,205,124
APPARATUS FOR STOWING ROCK IN A COAL MINE
Thomas E. Pray, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 12, 1938, Serial No. 239,902
10 Claims. (Cl. 198—7)



1. In a gobbing apparatus and in combination with a loading machine, a truck, a coupling between said truck and loading machine for moving said truck upon movement of said loading machine, a conveyer pivotally mounted on said truck and adapted to receive material discharged by said loading machine and be extended between roof supporting props in a working place at substantially right angles with respect to the loading machine for stowing material therein, and means for anchoring one end of said conveyer to cause said loading machine to swing said conveyer backwardly and forwardly to distribute the loose material upon gathering movement of said loading machine.

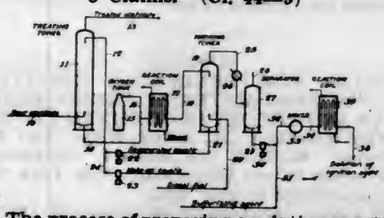
2,205,125
POISON HOLDER FOR RODENTS
William G. Rose, Springfield Township, Hamilton County, Ohio
Application February 28, 1938, Serial No. 193,010
3 Claims. (Cl. 43—131)

1. A poison holder for rodents comprising a non-metallic base having upwardly inclined runways at the ends thereof, a substantially flat medial portion having a recess formed therein



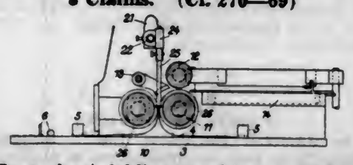
providing a receptacle for receiving poisoned bait, and a movable cover forming a tunnel over the base through which rodents will pass into proximity with the poisoned bait receptacle.

2,205,126
PREPARATION OF SULPHUR-CONTAINING DIESEL FUEL IGNITION AGENTS
Clarence H. Seeley and Maurice H. Arveson, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 30, 1937, Serial No. 151,166
5 Claims. (Cl. 44—9)



1. The process of preparing a solution consisting mostly of alkyl polysulphides dissolved in a hydrocarbon solvent, said solution being adapted for use as a Diesel fuel ignition agent, comprising dissolving an aliphatic sulphur compound having not more than two sulphur atoms per molecule in said hydrocarbon solvent, sulphurizing the resulting solution at an elevated temperature and pressure in the presence of a concentrated aqueous solution of an alkali polysulphide, and washing the sulphurized solution with a relatively weak aqueous solution of an alkali polysulphide.

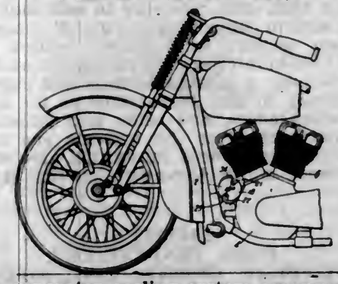
2,205,127
FOLDING MACHINE
Georg Spiess, Leipzig, Germany
Application November 28, 1938, Serial No. 242,799
In Germany November 29, 1937
8 Claims. (Cl. 270—69)



1. In a sheet folding machine, a table, a pair of folding rolls located above said table in horizontal side-by-side relation, a suction device

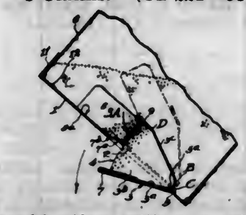
movable vertically between said rollers and extending in its downward movement into suction engagement with a sheet on the table, and actuating mechanism for said suction device and rolls.

2,205,128
COOLING SYSTEM
Jack M. Thompson, Willimantic, Conn.
Application December 27, 1937, Serial No. 181,958
3 Claims. (Cl. 171—252)



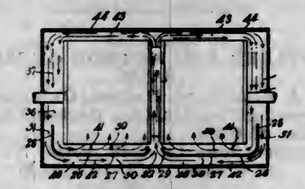
2. A generator cooling system arranged in an external air stream set up by bodily movement of the generator comprising in combination, a generally cylindrical generator casing, a cylindrical cap enclosing one end thereof and spaced from said casing to form an annular chamber therewith, passage forming means on said cap disposed tangentially thereof close to the outer periphery thereof and opening transversely to the generator axis and directing air from said air stream tangentially into said cap along the inner wall thereof, tangentially disposed exhaust passage forming means on said cap close to the outer periphery thereof and oppositely directed relative to said inlet passage forming means and opening transversely to the generator axis on the opposite side of said cap from said inlet passage forming means for sucking air tangentially from adjacent the inner wall of said cap and cooperating with said inlet passage forming means to set up an air flow through said cap between said inlet and exhaust passage forming means, means for separating the larger foreign particles from the entering air, and means within said chamber for separating smaller foreign particles from the entering air stream and discharging the same into the outside air stream.

2,205,129
DEVICE FOR DISPENSING MEASURED QUANTITIES OF DIVIDED SOLID MATERIAL
Edward J. Barnett, Compton, Calif., assignor of one-half to Lloyd L. Sissell, Los Angeles, Calif.
Application July 24, 1937, Serial No. 155,491
3 Claims. (Cl. 221—98)



1. In combination with a container, a dispensing device adapted for receiving and discharging one or more measured quantities of a divided solid material, which comprises: a hopper member provided with upwardly diverging front and rear walls and having an open upper end, said hopper member being pivotally attached to a side wall of said container and movable between a closed position wholly within said container and a dispensing position partly to one side of said side wall, said hopper having a portion disposed interiorly of said container when in said dispensing position, to receive material from said container upon said container being raised to an inverted position and then lowered, and a portion disposed outwardly of said container in position to function as a dispensing spout for the said received material when said container is again raised toward said inverted position; and cooperating positioning means on said container wall and said hopper member to cause said hopper member to persist in said dispensing position during movement of said container into and out of said inverted position.

2,205,130
LAUNDRY WASHER
Harold L. Belding, Dorchester, Mass., assignor to Henrici Laundry Machinery Company, Boston, Mass., a corporation of Massachusetts
Application October 26, 1939, Serial No. 301,393
16 Claims. (Cl. 68—27)

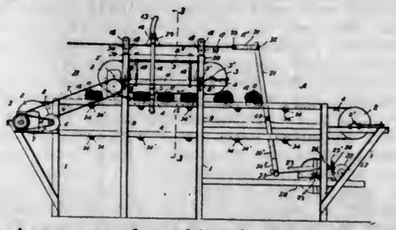


12. In a washer comprising an outer housing, a perforate drum rotatable within the housing, and means for rotating said drum in either direction, said drum containing the articles to be washed and said housing being adapted to contain water which enters the drum through the perforations in the wall thereof and is agitated peripherally of the drum by the rotation thereof, the base wall of the housing being spaced from the drum to form a reservoir, and deflector means mounted in the reservoir, said means including plates spaced from the wall of the housing to define open ended passages parallel to and extending longitudinally of the drum, which passages guide the so agitated water and cause it to travel longitudinally of the drum as well as peripherally thereof as the drum is rotated in either direction.

2,205,131
METHOD OF AND APPARATUS FOR WASHING VEGETABLES
Rudolph Berger and Harold N. Ricket, Amherst, Ohio, assignors to The American Specialty Company, Amherst, Ohio, a corporation of Ohio
Application May 3, 1938, Serial No. 205,748
6 Claims. (Cl. 146—194)

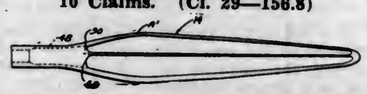
1. Apparatus for washing vegetables comprising two relatively superposed spaced and substantially parallel endless belts, the lower belt being substantially wider than and overlapping the upper belt, thus providing a washing zone between the belts and an adjacent washing zone confronting the overlapping portion of the wider belt, the narrower belt being of foraminous formation, means for moving the belts in the same

direction and at the same speed, and liquid spraying means, the latter being arranged to cause the spray in part, to intersect the narrower belt and thus be broken thereby and then to pass into the first-mentioned washing zone, and, in part, directly to intersect the second-mentioned washing zone.



4. A process of washing bunched vegetables which have leafy and root portions comprising the steps of moving bunches of such vegetables in a continuous run, compressing the leafy portions of the vegetables in such manner as to support the vegetables during washing, directing streams of washing liquid forcefully and directly upon the root portions of the vegetables, and passing a separate stream of washing liquid relatively gently upon the leafy portions of the vegetables.

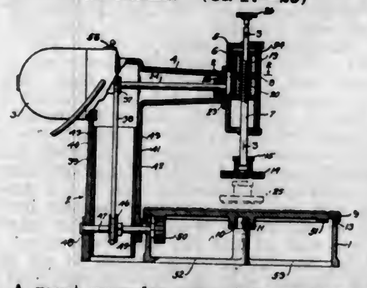
2,205,132
PROPELLER AND METHOD OF MAKING SAME
Werner J. Blanchard, Dayton, Ohio, assignor to Engineering Projects, Inc., Dayton, Ohio, a corporation of Ohio
Application June 10, 1936, Serial No. 84,523
10 Claims. (Cl. 29—156.8)



1. In propeller manufacture, the method of making a propeller blade which comprises working a piece of metal into rough shaped root and blade portions by extending the metal longitudinally of the blade portion to a predetermined progressively decreasing cross sectional area and to produce longitudinally extending lines of flow of the metal, forging the metal transversely of the blade toward the peripheral edges thereof while maintaining substantially said predetermined longitudinal distribution of metal and maintaining said longitudinal lines of flow of the metal and thereby providing a thrust face having leading and trailing edge portions of greater thickness than said thrust face extending from the shank of the blade outwardly to the tip end thereof with said leading and trailing edge portions projecting inwardly of said thrust face and having sloping surfaces of substantial area defining therewith a general airfoil shape with a cavity formed between said edge portions, the total cross-sectional areas of the formed blade section progressively decreasing from the shank of the blade to the outer extremity thereof without abrupt change of section, and bonding to said sloping surfaces of said leading and trailing edge portions and to said tip portion to overlie said portions with a substantial contacting area a plate adapted to complete the camber side of said blade.

4. A hollow blade for aircraft propellers comprising an integrated blade formed of a main supporting section extending throughout the length of the blade constituting the shank and the thrust face of the blade and having longitudinally extending intermediate and marginal ribs of greater thickness than said thrust face defining elongated cavities extending axially of the blade, said ribs and said cavities terminating inwardly of the end of the blade leaving a tip portion, the total cross sectional area of the ribbed portion of the blade beyond the shank and of said tip portion being graduated in progressively decreasing manner outwardly of the blade, said blade also having a camber section relatively thin with reference to said main supporting section completing the airfoil shape with the main section, said camber section being bonded to said intermediate rib and to said marginal ribs over a substantial area and extending substantially to said thrust face at the leading and trailing edges, and being also joined by a bond that extends to the extreme end of said tip portion to provide a substantial area of contact between said sections with low unit stress.

2,205,133
FOOD TENDERIZER
Dillon C. Bragg, Glendale, Calif., assignor of fifteen per cent to Donald Offill, Los Angeles, fifteen per cent to William Vaughn and fifteen per cent to Guy Adams, both of Glendale, Calif.
Application June 23, 1937, Serial No. 149,858
12 Claims. (Cl. 17—25)



1. A meat pounder comprising a base having a standard on one portion thereof, a rotatable table mounted on said base, an extension from the upper portion of said standard, one end of which extends substantially over the center of said table, a hammer mounted at the end of said extension and adapted to be reciprocated, and means mounted at the other end of said extension for reciprocating said hammer above said table and for rotating said table, (said extension adapted to be rotated on said standard during reciprocation of said hammer).

2,205,134
BOAT CONSTRUCTION
Gust Broschat, San Francisco, Calif.
Application March 2, 1939, Serial No. 259,460
1 Claim. (Cl. 115—16)



The combination with a vessel having a passageway from bow to stern directly above the keel, a second passage-way extending from bow to stern directly above and parallel with the first passage-way and having a funnel-shaped end at the bow, a fin carried by the stern of the boat below the lower passage-way, a rudder carried by the stern of the boat on each side of said fin, and means for simultaneously operating said rudders.

2,205,135
CLAMPING RING FOR CONTAINERS
Hans A. Eggers, Van Wert, Ohio
Application June 15, 1939, Serial No. 279,329
2 Claims. (Cl. 24—19)



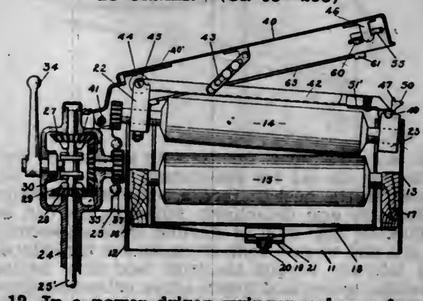
1. A split ring adapted to be applied to a container or similar article, means for securing the ends of the ring together, said means comprising a lug on one end of said ring and a similar lug on the other end of said ring, said lugs being adapted to abut each other, each of said lugs being provided with an opening which extends longitudinally therethrough, the openings of the two lugs being in alignment with each other, a screw having one end threaded into the opening in one of said lugs which is threaded and having a head on its opposite end, the opening in the other of said lugs having its outer wall slotted to permit lateral movement of the headed end of the screw into said opening, said last-named opening having a counter-bored socket at its outer end with which a portion of said head cooperates to prevent lateral movement of said screw when the screw is tightened.

2,205,136
GARMENT FORM
Tobias Eisenberg, Philadelphia, Pa., assignor of one-half to Morris Michael Marks, Philadelphia, Pa.
Application December 31, 1936, Serial No. 118,471
3 Claims. (Cl. 223—63)



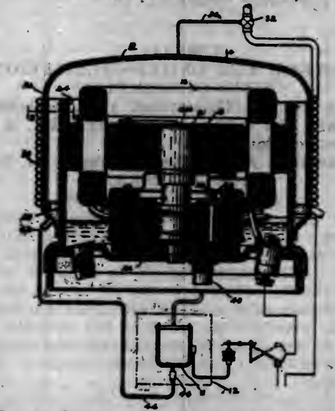
1. A garment form comprising a base member and a plurality of crease forming members, a separator disposed intermediate said base and crease forming members; said crease forming members being adapted to be spaced from each other by the fabric of a garment, and said separator comprising a clamp adapted to clamp together said crease forming members and garment fabric.

2,205,137
WRINGER RELEASE MECHANISM
Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa
Application February 15, 1935, Serial No. 6,622
Renewed September 29, 1937
14 Claims. (Cl. 68—253)



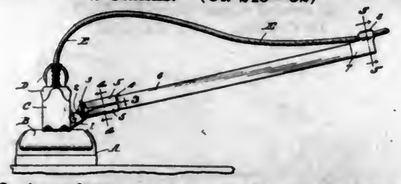
12. In a power driven wringer, a lower frame, a lower roll mounted in bearings supported by a pressure spring in said lower frame, an upper frame pivotally mounted on one end of the lower frame, an upper roll mounted in bearings supported by a frame and lever mechanism pivotally mounted adjacent the pivot end of the upper frame, a reversing gear head mechanism on which the lower frame is mounted carrying a roll drive gear, a driven gear mounted on the upper roll shaft coacting with said driven gear and means to lock and release the upper frame to the lower frame whereby the rolls may be locked in rotating pressure position in the frames or released in open non-rotating position.

2,205,138
REFRIGERATING APPARATUS
Richard E. Gould, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 29, 1937, Serial No. 171,753
10 Claims. (Cl. 62—115)



3. In combination, an evaporator, a condenser in refrigerant flow relationship with said evaporator, a compressor sealed within said condenser for withdrawing refrigerant from said evaporator and discharging compressed refrigerant into said condenser, means for flowing cooling fluid over said condenser, and means responsive to the pressure within said condenser controlling the flow of said cooling fluid.

2,205,139
CORD HOLDER FOR ELECTRIC IRONS
Gustav Gunderson, Pottsville, Pa.
Application December 5, 1938, Serial No. 244,098
2 Claims. (Cl. 248—52)



2. A cord support for use with an electric iron, including an ear for attachment to the iron adjacent to the heel thereof, a connecting member adjustably and detachably joined to the ear, an elongated flat strip of flexible material secured at one end to said connecting means for extending laterally beyond the iron, said strip having straight upper and lower edges extending from end to end of the strip and being positioned with its flat faces substantially vertical throughout the length of the strip to resist downward pressure and support the weight of a cord thereon, but being free to flex readily back and forth at all points between its end relative to the iron, and means on the outer end of the strip for engaging and holding a cord leading to the iron.

2,205,140
CATALYSTS AND PROCESS OF PREPARING THEM
Llewellyn Heard, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 17, 1937, Serial No. 180,302
7 Claims. (Cl. 23—236)

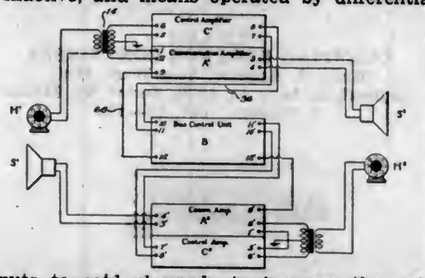
1. The process of preparing a metal chromite catalyst which comprises decomposing at an elevated temperature a crystalline material selected from the group consisting of magnesium ammonium chromate hexahydrate and calcium ammonium chromate hexahydrate.

2,205,141
PROCESS FOR THE DEHYDROGENATION OF HYDROCARBONS
Llewellyn Heard, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 31, 1937, Serial No. 182,855
5 Claims. (Cl. 196—50)

3. The process of dehydrogenating liquid hydrocarbons which comprises contacting said hydrocarbons in the vapor phase at an elevated temperature in the range 650° F. to 1050° F. with a metal chromite catalyst prepared by the thermal decomposition of a crystalline metal ammonium chromate hexahydrate wherein the metallic constituent is one or more metals selected from the group consisting of magnesium, calcium, cobalt and nickel.

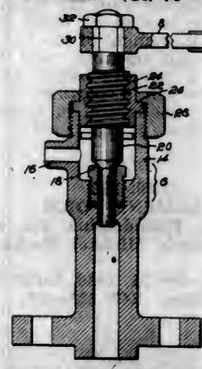
2,205,142
LOUDSPEAKING TELEPHONE SYSTEM
Norman F. Hoard, Milton, Mass., assignor to The Holtzer-Cabot Electric Company, Boston, Mass., a corporation of Massachusetts
Application February 3, 1937, Serial No. 123,815
Renewed December 5, 1939
19 Claims. (Cl. 179—1)

1. A two-way loudspeaking telephone system comprising separate communication amplifying channels having gains insufficient to permit oscillation due to acoustic feed-back when the system is inactive, and means operated by differential



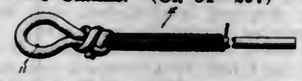
inputs to said channels to increase the gain of the channel receiving the greater input and to reduce the gain of the other channel, said changes of gains being in approximately inverse ratio.

2,205,143
BOILER WATER LEVEL TESTING MEANS
Philip A. Jerguson, West Medford, Mass.
Application November 30, 1938, Serial No. 243,157
1 Claim. (Cl. 73—297)



A steam generator having a series of vertically spaced cocks in the wall thereof, each comprising a casing having a valve seat and a horizontal threaded valve stem, an operating lever arm mounted on the stem in fixed angular relation thereto and actuating mechanism pivoted to the extremity of the lever arm and depending therefrom to provide for operating the arm from a remote location to open and close the valve, a block having a female thread in which said stem works, and means for clamping the block to the casing of the cock permitting free angular orientation thereof.

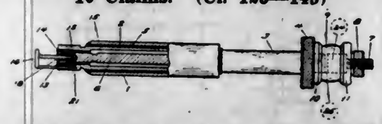
2,205,144
STRING FOR MUSICAL INSTRUMENTS
Stanley Kaplan, Norwalk, Conn., assignor to Kaplan Musical String Co., Norwalk, Conn.
Application April 15, 1939, Serial No. 268,039
8 Claims. (Cl. 84—297)



1. A string for a musical instrument, having a diameter substantially the same as that of a gut string of known designation, comprising a core of

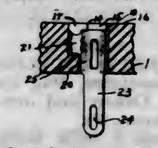
tensile strength substantially the same as that of gut; and a wrapping of synthetic polymeric amide filament wound on said core.

2,205,145
GLOW PLUG
Adolph F. Klingner, Hellertown, Pa., assignor to Edison-Splitdorf Corporation, West Orange, N. J., a corporation of New Jersey
Application May 23, 1939, Serial No. 275,171
10 Claims. (Cl. 123—145)



1. A glow plug including; a central electrode, a cooperative adjacent electrode insulated from the central electrode, and a resistance wire having its ends fastened to said electrodes and its glow portion extending forwardly from the end of the plug, the fastening at least to the central electrode comprising a slightly tapered hole in the central electrode and a sleeve having one end of said wire passing through the sleeve and fused thereto at its emerging end, the sleeve having a slight taper to grip the tapered hole in the central electrode when the sleeve is forced thereinto.

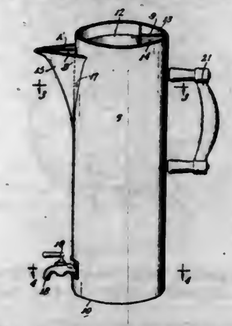
2,205,146
RADIO AND LIKE SOCKET
William J. Larkin, Jr., Malden, Mass., assignor to National Company, Inc., Malden, Mass., a corporation of Massachusetts
Application December 8, 1937, Serial No. 178,764
3 Claims. (Cl. 173—328)



1. An electrical socket comprising, in combination, a body member of insulating material, said body member having an aperture extending entirely therethrough and an opening adjacent said aperture extending partly therethrough so as to be closed at its inner end, said body member having a projecting portion extending into said aperture providing a shoulder, a metal contact member having yieldable portions connected at one side and adapted to receive a prong between them, said yieldable portions being snapped by said projecting portion into said aperture, and said connected side being seated in said opening, the closed end of said opening and said shoulder combining to prevent removal of said contact member from said body member.

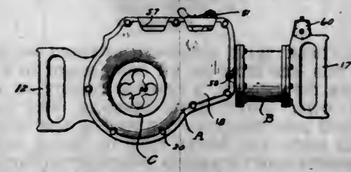
2,205,147
MIXING DEVICE
Carl A. Madsen, San Diego, Calif., assignor, by direct and mesne assignments, of one-tenth to George R. Baird, San Diego, Calif., and eight-tenths to Jens Madsen, San Diego, Calif., and one-tenth to Richard T. Galatas, Long Beach, Calif.
Application April 18, 1938, Serial No. 202,721
9 Claims. (Cl. 225—26)

1. In a mixing device, the combination of a fluid container, a partition located within said container and dividing the same into two compartments, and each of said compartments having at the top a separate discharge opening of equal cross sectional area to the other and located



in proximity thereto, whereby the contents of said compartments may be discharged simultaneously in substantially equal amounts into a common receptacle.

2,205,148
ELECTRIC DIE THREADER
Frank E. Mayotte, Adams, Mass.
Application May 15, 1939, Serial No. 273,788
4 Claims. (Cl. 10—89)

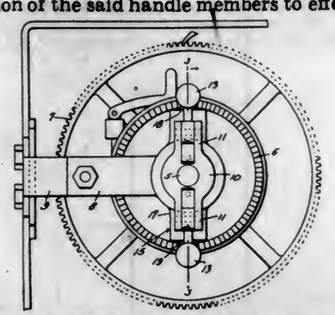


1. A portable thread cutting tool comprising a relatively flat open sided tapering frame, removable side plates, having flat outer faces, closing opposite sides of the frame, a hand grip carried by the narrow end of the frame in the major plane of the frame, a motor mounted upon the wide end of the frame, a hand grip at the outer end of the motor in the major plane of the frame, a die holder journaled in the side plates with its axis of rotation normal to the major plane of the frame and substantially within the flat outer faces of the side plates, drive gearing supported by the frame for imparting rotation to the die holder from said motor, and control means for the drive gearing for controlling the direction of rotation of the die holder.

2,205,149
LOOM LETOFF
Dewey L. Moore and Ben O. Morrow, Chester, S. C.
Application April 12, 1939, Serial No. 267,496
1 Claim. (Cl. 139—113)

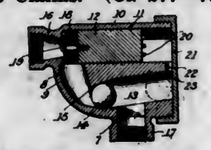
In a loom, a letoff mechanism including a letoff pinion shaft, a ratchet wheel on the pinion shaft, a letoff pinion shaft arm assembly, a pinion shaft handle assembly, said pinion shaft arm assembly including a pair of pawls mounted on the shaft and for engagement with the ratchet wheel, and drive means between the pinion shaft handle assembly and the pawls whereby the pawls are operated simultaneously in response to action of the handle assembly, said handle asembly including a pair of swingable weighted handle

members and pin members movable in response to the action of the said handle members to effect op-



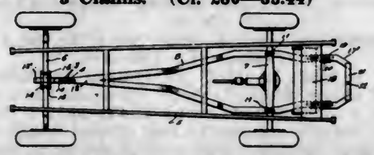
eration of the pawls, said pawls being disposed at diametrically opposite sides of the said shaft.

2,205,150
CHECK VALVE
John T. Newberry, Memphis, Tenn.
Application August 14, 1939, Serial No. 290,101
3 Claims. (Cl. 277—70)



1. A check valve structure adapted to be inserted in a line from an air compressor to a storage tank comprising, a housing having an upper and a lower longitudinal opening, and having front and rear passages connecting the openings at both ends, the lower opening being inclined downwardly and forwardly relatively to the upper opening, a plunger check valve in the upper opening seating at the front end of the opening and adapted to be opened by air compressor pressure, said plunger check valve in open position unsealing the front passage and in closed position sealing the front passage, and an auxiliary check valve in the lower opening seating at the lowest point in the opening and adapted to be forced open when the front passage is unsealed and adapted to close by gravity and permit back pressure from the tank escaping through the lower opening and rear passage into the upper opening to act against the rear face of the plunger check valve and close the valve.

2,205,151
TRAILER HITCH
Albert Partin, Portales, N. Mex.
Application July 19, 1939, Serial No. 285,394
3 Claims. (Cl. 280—33.44)



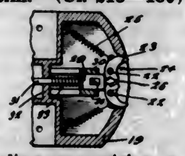
3. A trailer hitch comprising a pair of longitudinally extending members, means for securing the members adjacent their rear ends to the rear axle of a vehicle, the front ends of the members merging, an extension connected to the front end of said members and adapted for longitudinal adjustment, means for connecting the extension to the front axle of a vehicle and a longitudinally adjustable extension connected to the rear ends of said members.

2,205,152
BOTTLE OPENER
Willie T. Pearson, Jackson, Miss.
Application January 27, 1939, Serial No. 253,181
6 Claims. (Cl. 65—46)



1. In a device of the character described, an elongated handle to engage with a cap of a bottle, a wear plate secured on the handle to contact the cap, a gripping element pivotally mounted on the handle adjacent one end thereof and including spaced resilient jaws to receive therebetween and grip a cap on the application of the wear plate onto the top face of the cap to permit carrying of the bottle by the handle and to coact with the handle in removing the cap from the bottle and retaining the cap on the handle until manually released from the gripping element.

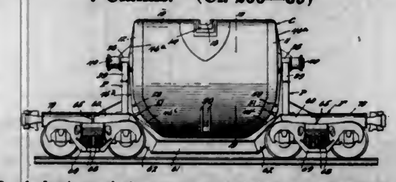
2,205,153
SAFETY COUPLING
John Piper, Uniontown, Pa., assignor of one-fourth to Abe Cohen and one-fourth to Max Cohen, Uniontown, Pa.
Application June 9, 1939, Serial No. 278,345
1 Claim. (Cl. 213—180)



A vehicle coupling comprising a spring projected stem slidably mounted at one end of one vehicle having a coupling head at its outer end, a pair of arcuate jaws pivoted adjacent one end to another vehicle and arranged with their other ends projecting outwardly for cooperating engagement with the head, the pivoted ends of the jaws being formed with a pair of diverging extensions, spring means yieldably urging the jaws in an open position with one of the extensions of each jaw disposed in the path of an approaching movement of the stem and adapted for actuation by the stem for closing the jaws, each of the other of said extensions defining a shoulder, a spring projected catch engageable with the shoulders upon a closing movement of the jaws to secure the jaws against opening movement, and a hook shaped catch releasing member projecting upwardly from the catch and actuating means for the hook shaped releasing member, said hook shaped releasing member being free of

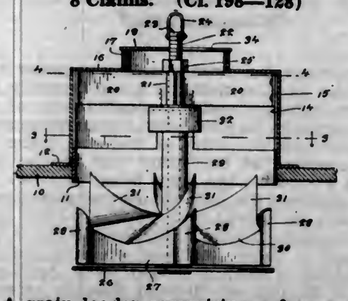
the actuating means to provide for the unrestricted movement of the catch into engagement with the shoulders of the jaws during a coupling movement of the jaws.

2,205,154
HOT METAL CAR
Spottiswoode W. Randolph, Baltimore, Md., assignor to Koppers Company, Baltimore, Md., a corporation of Maryland
Application November 22, 1938, Serial No. 241,861
7 Claims. (Cl. 266—39)



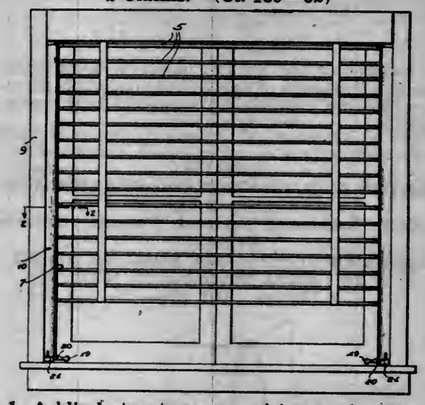
7. A hot metal car comprising a wheeled underframe and a container tiltably mounted thereon, the underframe including a central longitudinally extending sill the ends of which are mounted upon wheeled trucks, said sill having spaced trunnion receiving pedestals mounted thereon and extending upwardly therefrom, and said container including a tubular body and end members, the end members being provided with supporting trunnions, the tubular body being self-sustaining when the container is suspended by its trunnions and comprising a plurality of substantially cylindrical sections the adjacent margins of which smoothly merge with each other, the entire upper half of the container being substantially semicylindrical and the lower half comprising five cylindrical sections the axes of which are parallel and the radii of curvature of which are such that the lower half of the container has a central or bottom section, normally directly overlying the central sill of the underframe, which is of large radius, and side sections of substantially smaller radius merging with said central section.

2,205,155
CIRCULAR SPREADER
Milton R. Reed, Baton Rouge, La., assignor of one-half to Dewey J. Sanchez, Baton Rouge, La.
Application November 29, 1938, Serial No. 242,997
8 Claims. (Cl. 198—128)



1. A grain loader comprising a frame adapted to engage with the hatchway of a ship; a superstructure forming a part of the frame and extending upwardly therefrom; a shaft immovably carried by the superstructure and depending therefrom into the hold of the ship; a stationary spreading platform secured to the depending end of the shaft; a spreader member rotatably mounted on the shaft, above and spaced from the said spreading platform, comprising a substantially square body portion having arcuated wings at its corners thereof, V-shaped recesses extending from each corner to the middle of each side, and arcuated fins diagonally mounted on the upper surface thereof to direct the grain into the said V-shaped recesses; and means to rotate the said spreader member.

2,205,156
BURGLARPROOF BLIND
William A. Rowley, Tampa, Fla.
Application December 19, 1938, Serial No. 246,705
2 Claims. (Cl. 189—62)

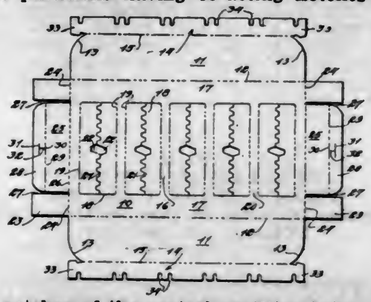


1. A blind structure comprising a plurality of slats each provided with a pintle at each end thereof, a pair of hollow columns, one at each side of the blind structure, said columns being vertically slotted to receive the pintles, means on the inside of the columns operative to engage the pintles to prevent the pintles and their slats from vertical movement, said means comprising a rotatable barrel in each of the columns, said barrels being vertically slotted and each barrel formed along one vertical edge portion with tapered teeth adapted to embrace the pintles to hold the slats in predetermined spaced relation, said barrels being rotatable to completely displace the teeth from the pintles to permit collapsing of the blind structure, said slats being rotated by the edge portions of the teeth riding against the pintles thereof as the barrels are rotated, said barrels being adapted to lock the slats against rotation by clamping the pintles thereof against certain edge portions of the columns at their slots with the pintles bearing in the crotches of the teeth.

2,205,157
CARTON
Paul Edward Schrell, Brooklyn, N. Y., assignor to N. D. Q. Specialty Corporation, Brooklyn, N. Y., a corporation of New York
Application March 22, 1939, Serial No. 263,492
2 Claims. (Cl. 229—28)

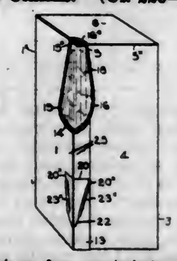
1. A carton formed from a single blank of suitable cardboard-like material cut and scored to form a bottom, sides and ends, the bottom being scored to fold lengthwise to form a longitudinal partition, integral portions connecting the sides to form transverse partitions interlocking with the longitudinal partition to provide a series of individual compartments, each of said trans-

verse partitions comprising a top member and a pair of parallel depending walls integrally connected to the top member, said central and transverse partitions having co-acting notches with



the notches of the central partition being wider than the thickness of the central partition thereby permitting yielding movement of said central partition.

2,205,158
CARTON FOR CONTAINING STRAWS AND THE LIKE
Burdette Richmond Farrand, Toronto, Ontario, Canada
Application July 14, 1938, Serial No. 219,287
In Canada November 27, 1937
6 Claims. (Cl. 229—17)

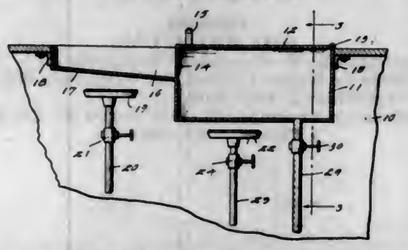


1. In a carton for containing straws and the like, an unfolded blank forming the walls of the carton, an extension flap extending from the opposed end edges of the blank in each of which and in each opposite end edge a notch is cut whereby a discharge orifice is formed in a corner of the carton by the blank when folded with the extension flaps in an overlapping position, such orifice extending from the centre of the blank to the top of the folded carton.

2,205,159
POLYMERIZATION OF OLEFINS
Donald R. Stevens, Swissvale, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Research & Development Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 22, 1936, Serial No. 107,102
13 Claims. (Cl. 260—683)

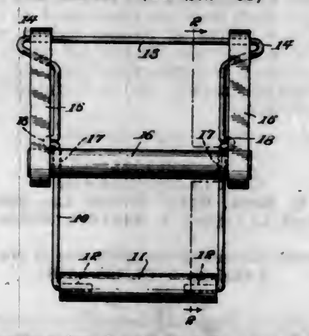
1. In a process of forming valuable compounds of higher molecular weight from normally gaseous olefins under the influence of a strong acid catalyst of the class consisting of sulphuric and sulphonic acids, the improvement which comprises effecting contact between the olefinic starting material and the strong acid catalyst in the presence of boric acid, the boric acid being present in such amount as to restrain non-polymerizing action of the strong acid upon the hydrocarbon.

2,205,160
COMBINATION FRYER AND COOKER
Emery M. Trackwell, Leavenworth, Kans.
Application November 27, 1939, Serial No. 306,402
2 Claims. (Cl. 53—7)



1. A combined fryer and cooker comprising a casing, a cooking receptacle, a receptacle forming a griddle integral with the cooking receptacle, means securing the cooking receptacle and griddle within the casing, burners in the casing underneath the receptacle and the griddle, a cover for the cooking receptacle hinged at one end to the receptacle and having a flange of substantially one-half the depth of the receptacle forming the upper portion of an end wall of the receptacle, and a sloped bottom for the griddle extending underneath said flange and adapted to drain moisture and grease from the griddle into the cooking receptacle.

2,205,161
GRIP EXERCISER
Adrian D. Vick, Washington, D. C.
Application March 30, 1938, Serial No. 199,030
1 Claim. (Cl. 272—68)



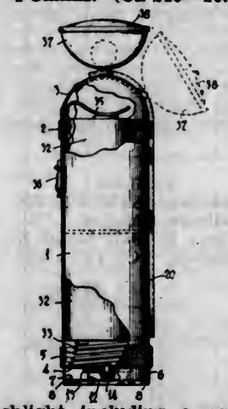
An exerciser for developing the gripping muscles of the hand comprising a substantially rectangular frame formed of a single length of wire bend to provide parallel sides, a transverse member connecting the sides at one end, transverse short members at the other end of the sides forming gudgeons, the sides being directed outwardly adjacent the first named transverse member to provide lateral extensions, the sides being bent outwardly intermediate their ends to provide stops, a roller journaled on said gudgeons and forming a grip, a second roller forming a grip and having an opening slidably receiving said sides adjacent said first named grip, the ends of the second named roller projecting beyond the sides, and rubber bands engaged over said lateral extensions and over the ends of said second named roller adapted to normally hold the ends of the second named roller against said stop.

2,205,162
BIMETALLIC ELEMENT
Kenneth E. Whitney, Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 14, 1937, Serial No. 153,662
1 Claim. (Cl. 297—15)



A flat bimetallic element tapering from end to end and having secured to an edge thereof in heat conducting relation therewith a thin flexible metal ribbon crinkled in zigzag form.

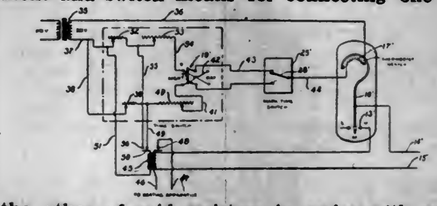
2,205,163
FLASHLIGHT
Leon W. Blau, Providence, R. I.
Application November 4, 1937, Serial No. 172,829
4 Claims. (Cl. 240—10.67)



1. A flashlight including a casing, a guide track extending longitudinally along one side wall and thence through substantially 90° across one end wall of said casing, and a light head slidable in said guide track from a position substantially in alignment with the longitudinal axis of the casing to any selected point in said track, and means for maintaining electrical circuit to said light head for all selected adjusted positions.

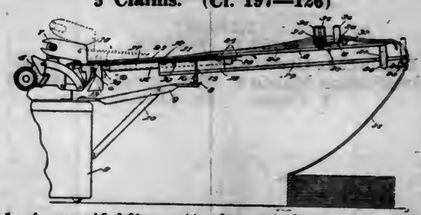
2,205,164
TEMPERATURE CONTROLLING MEANS
Ralph R. Chappell, Richmond, Va., and Rutger B. Colt and Denis McCormack, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 9, 1936, Serial No. 115,012
8 Claims. (Cl. 236—46)

1. In apparatus of the class described, an electric circuit, a thermostat for opening and closing said circuit, an electric heating element adjacent said thermostat, and means for connecting said element to a source of electric energy, said last-named means including a pair of electrical resistors of different values, clock-operated switch means for connecting one or the other of said resistors in series with said source and said element and switch means for connecting one or



the other of said resistors in series with said source and element in opposition to said first-named switch means for a predetermined period of time.

2,205,165
MANIFOLDING ATTACHMENT FOR TYPEWRITERS
Allen B. Cooke, Chicago, Ill., assignor to United Autographic Register Co., a corporation of Illinois
Application April 3, 1939, Serial No. 265,854
5 Claims. (Cl. 197—126)

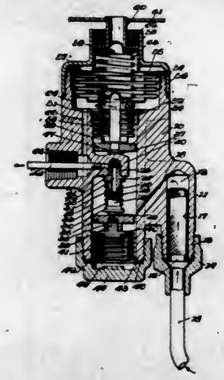


1. A manifolding attachment for a typewriter having a rearwardly disposed transverse track and a laterally shiftable carriage in which is journalled an upwardly movable platen, comprising: a supporting frame attached to parts of the carriage so as to shift laterally therewith and the front end to move upwardly and downwardly with the platen; a fulcrum on said frame with antifriction means for supporting the rear portion of the frame on said track and disposed so that when the platen is raised the rear end of said frame will be lowered; a carbon holder slidably mounted for limited forward and rearward movement on the supporting frame; and locking means automatically effective to lock said carbon holder in a position back of said fulcrum when the platen is raised.

2,205,166
EXPANSION VALVE
John E. Dube, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application July 18, 1936, Serial No. 91,409
13 Claims. (Cl. 236—92)

1. In a thermostatic expansion valve for refrigerating systems, the combination of a valve casing, an inlet chamber therein, means for conducting liquid refrigerant to and from said inlet chamber, a ported valve seat member in said inlet chamber, a valve member cooperating with said valve seat member and disposed in said inlet chamber, a yoke in said inlet chamber operatively associated with said valve member, a pair of flexible walls of substantially equal effective area attached to the opposite ends of said yoke and subjected to the pressure in said inlet chamber for sealing the opposite ends of said chamber, a thermostat

operatively connected to said yoke, and means for leading the liquid refrigerant into heat inter-



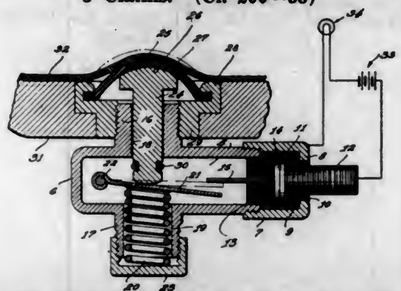
changing relationship with said thermostat to maintain the temperature at said valve materially above the temperature in the evaporator.

2,205,167
SCREW DRIVER
Lambert L. Greterman, Santa Monica, Calif.
Application March 8, 1938, Serial No. 194,697
1 Claim. (Cl. 145—52)



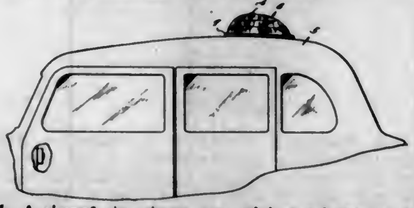
A screw driver having a handle and a shank, a head carried by the outer end of said shank, a removable bit secured in said head, a sleeve surrounding the head and the outer end of the shank and carrying a soft packing at its outer end, a hand piece slidable on the shank and secured to the inner end of the sleeve and having its outer end spaced from the sleeve, fingers pivoted intermediate their ends to the hand piece between the same and the sleeve, spring means engaging the inner end of the fingers and forcing their outer ends through slots in the sleeve beyond the outer end of the bit, cam faces carried by the outer ends of said fingers, and spring means mounted on the shank between said hand piece and a ferrule fixed to said shank intermediate said hand piece and the handle for normally holding the hand piece outwardly, whereby the inward movement of the hand piece will cause the head to engage the cam faces of the fingers and force them outwardly.

2,205,168
TIRE INDICATOR
George G. Guthrie, Tulsa, Okla.
Application July 12, 1939, Serial No. 284,119
3 Claims. (Cl. 200—58)



1. In combination with a metalic wheel rim, a casing carried by said rim and electrically grounded thereon, a plunger movable radially through the wheel rim and through one wall of said casing, one end of said plunger being disposed for movement in accordance with pressure variations in the tire when mounted on said rim, an electrical contact pivotally supported in said casing for movement therein and electrically grounded to said casing, one end of said plunger abutting against said contact for moving said contact as the plungers move, spring means in said casing, said spring means normally urging said pivoted contact against said plunger to force the same radially outward with respect to the wheel rim, and an electrical contact carried by said casing and insulated therefrom for circuit closing engagement by said first named contact.

2,205,169
SIGNAL STRUCTURE
Abram Hallman, Oklahoma City, Okla.
Application May 6, 1937, Serial No. 141,177
2 Claims. (Cl. 177—329)

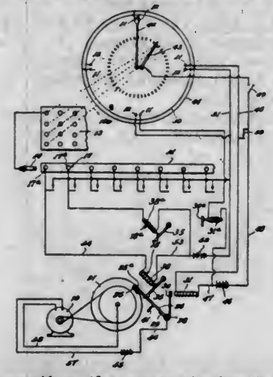


1. A signal structure comprising a base, a plurality of dish-shaped translucent structures and including a top structure, a bottom structure and an intermediate structure, said bottom structure being disposed on the base, said intermediate structure being disposed on the bottom structure and said top structure being disposed on the intermediate structure to define lamp compartments, the top portions of the bottom and intermediate structures each provided with a covering of opaque material, lamps in the said compartments and a securing element disposed through the structures and into the said base.

2,205,170
RADIO CONTROL SYSTEM
Albert Johnson, Worthing, S. Dak.
Application October 26, 1938, Serial No. 237,123
4 Claims. (Cl. 250—40)

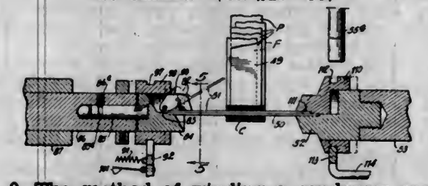
3. In a radio control system, a tuning unit in-

cluding a motor, a condenser shaft, means rotatably connecting the motor with the condenser shaft, disks on the shaft, insulating blocks on the disks, a frame adjacent the shaft, a rod in the frame, a plurality of control levers swingingly mounted on the rod, one of said levers being associated with each disk and said levers being engageable with the disks, lifting arms on the rod and associated with the levers, said lifting arms having armatures, electro-magnets,



means mounting the magnets in the frame in associated relation to the armatures, a second rod carried by the frame, latches on the rod and engageable with the control levers for retaining said levers out of engagement with the disks, a second set of magnets in the frame, and means mounting said last-mentioned magnets in the frame, said last-mentioned magnets being selectively energizable for shifting the latches and releasing the control levers for retaining the disks in a set position.

2,205,171
CONDENSER WINDING MACHINE
Eugene M. Kile and Simon Kain, Chicago, Ill., assignors to John E. Fast & Company, Chicago, Ill., a corporation of Illinois
Application June 5, 1936, Serial No. 83,630
20 Claims. (Cl. 242—56)



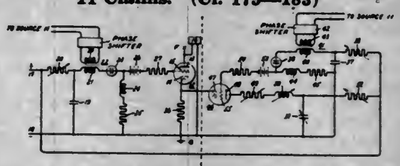
9. The method of winding a condenser comprising leading a plurality of webs of metal foil and dielectric paper to a common point wherein they hang vertically, gripping the lower ends of said webs, winding them into a condenser, weakening the metal foil webs, holding the metal foil webs back of the line of weakening so as to cause the foil to rupture at said line, and severing the paper web.

16. In a condenser winding machine, a plurality of reels for holding webs of metal foil and paper, means for assembling these webs in juxtaposition in a predetermined order with the ends of the webs in adjacent relation, means for winding the webs including a positively driven mandrel made up of two relatively longitudinally movable sections one of which is hinged, means for moving said mandrel sections and the free ends of the webs into contact with each other, and means for disengaging the mandrel from the wound condenser.

2,205,172
PREPARATION OF LUBRICANTS
John M. Musselman and Herman P. Lankelma, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 26, 1937, Serial No. 176,664
4 Claims. (Cl. 87—9)

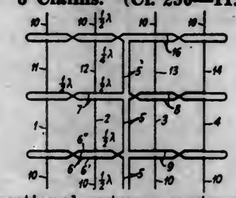
1. A lubricant comprising a mineral lubricating oil and a small amount of a salt of an N-substituted p-aminophenol and an organic carboxylic acid of at least six carbon atoms.

2,205,173
TESTING OF ELECTRICAL CIRCUITS
Harold A. Peterson, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1938, Serial No. 248,789
11 Claims. (Cl. 175—183)



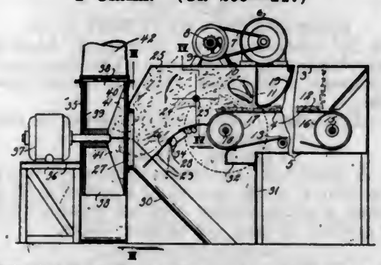
1. A device for investigating the transient characteristics of electrical power systems, comprising in combination, an electrical circuit to be tested including an alternating current supply source, an electron discharge device connected across said circuit, means for controlling the conductivity of said discharge device for applying an artificial fault to said circuit at a selected point on the voltage wave of said source and removing said artificial fault from said circuit, and means for observing the wave form of the voltage of said circuit.

2,205,174
DIRECTIONAL ANTENNA SYSTEM
Klaas Posthumus, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 20, 1938, Serial No. 246,769
In the Netherlands January 14, 1938
6 Claims. (Cl. 250—11.5)



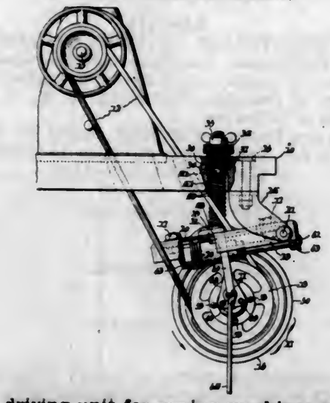
1. A directional antenna system comprising a plurality of half wave radiating members grouped in an end to end relationship in a plurality of vertical lines and means for energizing said radiators comprising a transmission line connected to a plurality of feed loops, said loops lying between the ends of said radiators and connected thereto, said loops being crossed between adjacent lines whereby said radiators are energized in an in-phase relationship.

2,205,175
TRANSIT TREATING OF MATERIAL
Oliver W. Randolph, Toledo, Ohio
Application October 24, 1938, Serial No. 236,731
1 Claim. (Cl. 209—147)



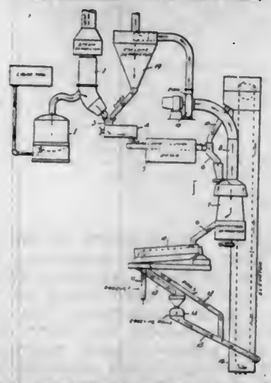
Material transfer equipment embodying a belt conveyor, a downwardly extending deflector section for receiving discharge therefrom, a rotary picker and throw device above the deflector, a drive for the device at a speed in excess of the conveyor delivery thereto in a direction to lift the delivery material from the conveyor to pass upward over the device and be thrown by the picker and throw device, a housing for the device and deflector and into which the conveyor extends, a chute toward which the deflector extends to provide clearance for air intake into the housing, a suction fan upwardly toward which the chute extends, said fan having port communication with the housing at the chute, and a delivery passageway from the housing for fan effectiveness in withdrawing lighter portions from the housing as fluffed by the device, while leaving the heavier portions to be carried from the housing by the deflector and chute.

2,205,176
POWER TRANSMITTER
George Sauer, Berwyn, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application June 5, 1937, Serial No. 146,551
6 Claims. (Cl. 74—242.13)



1. A driving unit for sewing machines and the like comprising a motor and a rotary driving member, with interposed clutch means; means for mounting said motor on the supporting structure of the machine to be driven, for movement relative thereto to tighten or loosen the driving connection between said driving member and said machine; means for adjusting said mounting means and said motor relative to said supporting structure; an actuator for said clutch means mounted on the aforesaid mounting means, and thus moving with said mounting means and said motor relative to said supporting structure; and an operating connection for said actuator flexibly pivoted thereto to operate the same in all normal angular relations of said motor to said structure.

2,205,177
SUGAR GRANULE MANUFACTURE
John W. Schlegel, East Orange, N. J., and Louis Lang, New York, N. Y., assignors to The National Sugar Refining Company, a corporation of New Jersey
Application November 8, 1937, Serial No. 173,330
12 Claims. (Cl. 127—58)



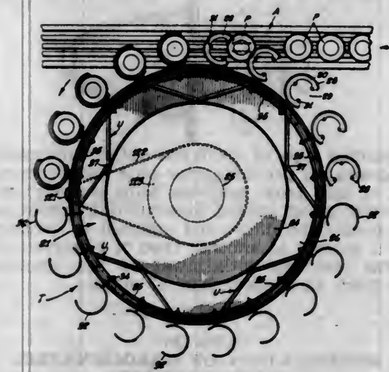
1. The process of manufacturing a sugar product in granule form, which comprises cooking a sugar liquor containing crystallizable and non-crystallizable and flavoring components of the raw sugar liquor to a condition of thick syrup, subjecting the hot syrup while in process of cooling to a rubbing and rolling treatment between relatively moving surfaces spaced apart not substantially greater than the desired maximum granule size and until the hot paste becomes mainly constituted of crystal agglomerates of pill-like form constituting the granules, and ceasing such treatment when such condition has been reached and then cooling and drying the granules to form a free-flowing product.

6. The process of reducing the size of crystal-agglomerates which comprises exerting pressure on them between resilient-surfaced rolls sufficient to overcome their cohesive strength, the roll surfaces being soft enough not to crush the surface crystals.

2,205,178
POTTERY LOADING DEVICE
Armin L. Schreiber, Altadena, Calif., assignor to Vernon Potteries, Ltd., Los Angeles, Calif., a corporation of California
Application January 23, 1939, Serial No. 252,409
14 Claims. (Cl. 198—20)

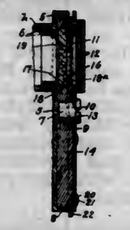
1. A system for handling ceramic ware during manufacture of the same, including a conveyor means for transporting at a predetermined speed a series of pieces of ware in spaced relation to each other, said conveyor means including a plurality of surfaces extending in the direction of movement of the pieces along the conveyor and laterally spaced from each other, a second conveyor means for transporting said pieces away from said first conveyor means, transfer means

interposed between the first and second conveyor means, including a plurality of lifting elements projectable through the spaces between said first conveyor surfaces to engage and lift said pieces from the first conveyor and simultaneously movable in the direction of movement of said first conveyor to deposit them upon the second conveyor, means for so projecting and moving each



of said lifting elements at such speed as to produce no relative horizontal motion between said lifting elements and the pieces engaged at the instant of said engagement, and means for moving said second conveyor at such speed as to provide no relative horizontal motion between said pieces and said second conveyor at the instant they are deposited thereon.

2,205,179
PHOTOGRAPHIC FILTER MAGAZINE
Harold E. Schultz, Niagara Falls, N. Y.
Application February 23, 1938, Serial No. 191,991
5 Claims. (Cl. 88—113)



1. In a photographic filter magazine, as an attachment for a camera, the combination of a basal member having a light-opening therethrough and provided with means around said light-opening to removably secure it directly on the lens-holder of a camera in such position that said light-opening is in front of said lens-holder, a plate secured on said basal member and having a light-opening in registration with the light-opening of said basal member, a magazine-disc rotatably mounted between said basal member and said plate and having a set of eccentric openings adapted to be moved respectively into registration with said light-openings by rotary movements of said disc, and a plurality of light-filtering units of different light-filtering capabilities seated respectively in a number of said eccentric openings so as to be moved selectively between said light-openings by rotary movements of said disc.

2,205,180
METHOD OF TEMPERING GLASS ARTICLES
William W. Shaver, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application September 24, 1935, Serial No. 41,931
12 Claims. (Cl. 49—89)

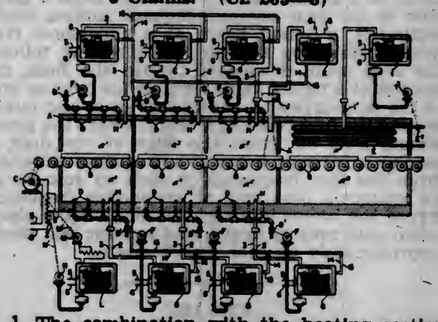
10. In a method of tempering glass, the steps of melting a salt which tends to become alkaline on decomposition to form a bath, maintaining said salt bath at a temperature at which it will tend to decompose, maintaining in suspension in said bath a finely divided substance which will remain solid at the temperature of the bath and will neutralize the alkalinity of the bath, uniformly heating the glass by immersing it in said bath and suddenly chilling the glass.

2,205,181
METHOD OF TEMPERING GLASS ARTICLES, AND BATH THEREFOR
William W. Shaver, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Original application July 31, 1935, Serial No. 34,107. Divided and this application June 2, 1937, Serial No. 146,120
8 Claims. (Cl. 49—45)

1. In a method of tempering glass, the steps of melting a salt which tends to become alkaline on decomposition to form a bath, maintaining said bath at a temperature at which it will tend to decompose, maintaining in said bath a small quantity of a material which will neutralize the alkalinity of the bath, and immersing the glass in said bath.

5. A substantially anhydrous fluid treating bath for glassware comprising a molten salt of an alkali metal and a substance which will react with free alkali and prevent the bath from becoming alkaline.

2,205,182
AUTOMATIC CONTROL APPARATUS
James L. Whitten, Rocky River, Ohio, assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 8, 1939, Serial No. 255,231
8 Claims. (Cl. 263—8)



1. The combination with the heating section of a furnace of the type described and conveyor means for moving work pieces through said section, of separate regulable heating means for different portions of said section, and means for regulating each of said heating means in joint accordance with the temperature in the corresponding portion of the heating section, and with the temperature at which the work pieces pass away from said heating section.

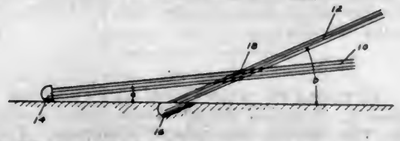
2,205,183
HYDRAULIC FLUID
John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 18, 1938, Serial No. 196,704
17 Claims. (Cl. 252—5)

3. A hydraulic fluid comprising a normally liquid N-substituted aliphatic acid amide, an aliphatic alcohol, and a liquid obtained by alcoholysis of an oil selected from the group consisting of animal and vegetable oils.

2,205,184
PURIFICATION OF ALDEHYDE-KETONE MIXTURES
John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 20, 1938, Serial No. 220,270
9 Claims. (Cl. 260—593)

1. A method for purifying aldehyde and ketone containing mixtures of their aldehyde content which comprises subjecting such mixtures to hydrogenation at elevated pressures in the range of 30 to 400 atmospheres, at temperatures of 40° C. to 125° C., and in the presence of a catalyst active for hydrogenation.

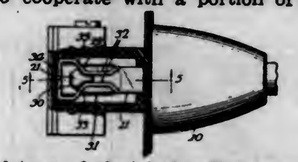
2,205,185
LANDING SYSTEM
Samuel E. Adair, Chicago, Ill., assignor, by mesne assignments, to Bendix Radio Corporation, Baltimore, Md., a corporation of Delaware
Application February 10, 1937, Serial No. 125,112
7 Claims. (Cl. 177—352)



1. That method of guiding a plane in landing on a field which comprises directing, substantially at a gliding angle down-wind from a position in the field leaving adequate landing space behind it, a sound beam at a supersonic frequency, directing a plane in a direction following said beam downward toward the field, directing at a flatter angle suitable for landing and in the same direction as the first beam and intersecting the first beam at a height where the plane should level off, from the edge of the field, a second supersonic beam at a frequency differing from the first frequency by such an amount as to produce a beat note at an audible frequency where the beams intersect, leveling off the plane when said note is heard, and landing the plane approximately at said flatter angle.

2,205,186
ELECTRIC CONNECTOR PLUG
Gustaf E. Andre, Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 3, 1937, Serial No. 140,421
4 Claims. (Cl. 173—361)

2. An electric connector plug comprising a body of insulating material and a pair of contact prongs carried by said body and projecting from the front end thereof, said prongs each having rear portions adjacent the body arranged in forwardly converging relationship to each other and, beyond said converging portions, front portions of substantially straight form disposed in forwardly diverging relationship, each of the front portions of said prongs being provided adjacent their forward ends with a lateral offset adapted to cooperate with a portion of a pre-



determined type of electrical outlet for resisting withdrawal of the connector plug therefrom, and each of said front portions being provided with a second offset spaced longitudinally from said first mentioned offset and adapted to cooperate with a portion of another type of electrical outlet for resisting withdrawal of the connector plug from such other type of outlet.

2,205,187
PURIFICATION OF HALOGENATED HYDROCARBONS
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 31, 1936, Serial No. 93,655
5 Claims. (Cl. 260—649)

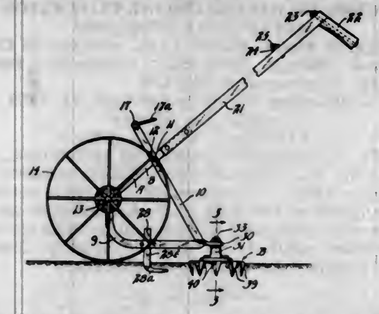
1. The method of purifying a liquid halogenated hydrocarbon containing unfilterable, finely-divided carbon which consists in dispersing throughout said halogenated hydrocarbon a dilute aqueous solution containing at least about 3 per cent by weight of salt producing polyvalent cations in such solution, thereby causing the suspended carbon to be extracted from said halogenated hydrocarbon by said solution and separating said aqueous solution together with the carbon particles from said halogenated hydrocarbon.

4. The method of purifying a liquid chlorinated hydrocarbon containing finely-divided carbon which consists in dispersing in said liquid chlorinated hydrocarbon a dilute aqueous solution of copper sulphate, thereby causing carbon particles to pass from said chlorinated hydrocarbon into said solution and thereupon removing said solution together with the carbon from said chlorinated hydrocarbon.

2,205,188
CULTIVATOR
Bartholomew O. Cuddigan, Wadena, and Benedict J. Mondloch, St. Martin, Minn., assignors of one-sixth to said Cuddigan, one-sixth to said Mondloch, one-sixth to John Schaefer, St. Cloud, Minn., one-fourth to Joseph E. Murphy, Minneapolis, Minn., and one-fourth to A. J. Zachman, Robbinsdale, Minn.
Application March 23, 1938, Serial No. 197,690
10 Claims. (Cl. 97—59)

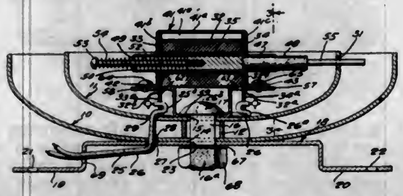
1. A rotary head for cultivators including a substantially circular sheet metal disk and triangular-shaped teeth bent downwardly therefrom at right angles to the disk at circumferentially spaced points along lines set at angles relative to radii extending from the center of the disk, the advancing edges of said teeth being inclined downwardly and rearwardly from the disk relative to the direction of rotation of the disk.

10. A cultivator having in combination a pair of horizontally spaced frames equipped with wheels, a heavy screw rod extending between said frames in spaced relationship above the lower edges of said wheels, said screw rod having screw



threaded connections with at least one of said frames and being rotatably mounted relative to the other frame, a pair of heads one of which is rotatably mounted on each of said frames in spaced relation, and a plurality of ground working teeth carried by each of said heads and projecting downwardly therefrom.

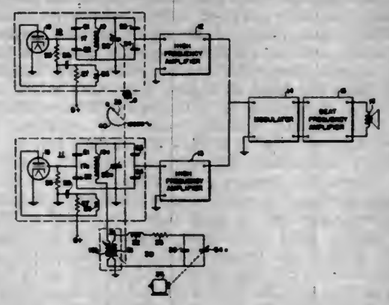
2,205,189
SIGNALING APPARATUS
Robert S. Edwards, New Canaan, Conn., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Application April 22, 1939, Serial No. 269,330
20 Claims. (Cl. 177—7)



2. In signaling apparatus, in combination, a gong having a hole substantially at its center and an aperture displaced from said hole, gong-striking mechanism comprising a striker and electro-magnetic means for actuating said striker, said gong-striking mechanism having means adapted to enter said hole in said gong for positioning said mechanism and said gong so that the striker is operatively positioned relative to the gong, said mechanism having a lead wire extending therefrom and through said aperture in said gong, said means and said hole being shaped to effect non-rotatable engagement therebetween and for thereby preventing relative rotary movement about the axis of said gong and between the latter and said mechanism, thereby to prevent shearing strains on said lead wire passing through said aperture.

2,205,190
OSCILLATION GENERATOR
John F. Farrington, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application May 17, 1937, Serial No. 143,075
6 Claims. (Cl. 250—36)

1. An oscillation generator including an oscillation circuit for normally developing oscillations at a predetermined frequency, means including an auxiliary cyclically tunable circuit coupled to said oscillation circuit to shift the resonant frequency thereof, thereby to effect



cyclic deviations of said oscillations from said predetermined frequency, and means for adjusting the coupling between said circuits to adjust the range of said deviations without affecting said predetermined frequency.

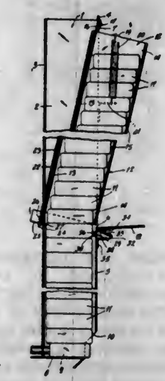
2,205,191
1.4 ALKYL AMINO ANTHRAQUINONE
Julius Flaks, Oradell, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 30, 1938, Serial No. 222,118
1 Claim. (Cl. 260—378)

Dyestuffs having the following formula:

$$R—(NHC_5H_{11})_2$$

in which R is an anthraquinone radical and the NHC_5H_{11} groups are located in the 1 and 4 positions on the anthraquinone radical.

2,205,192
MAGAZINE
Benjamin W. Fry, University City, Mo.
Application August 23, 1938, Serial No. 226,334
2 Claims. (Cl. 312—42)



1. A magazine arrangement for dispensing devices including a primary magazine comprising a vertical rectangular frame adapted to receive, in stacked relationship, articles to be dispensed, an auxiliary magazine likewise comprising a vertical rectangular frame adapted to receive, in

stacked relationship, articles to be dispensed, means pivoting the auxiliary magazine at its upper end, in close proximity to the back of said primary magazine, said primary magazine being open along the back thereof to permit the lower end of the auxiliary magazine to swing therein, means normally urging said lower end of said auxiliary magazine to swing into said primary magazine, said auxiliary magazine having a front wall which also effectively closes and forms a back wall for said primary magazine when said auxiliary magazine is withdrawn from said primary magazine, means normally securing the lower end of the auxiliary magazine out of the primary magazine in said withdrawn position, and releasing means rendering the last-named means ineffective upon the emptying of a predetermined number of packages from said primary magazine, said securing means comprising a latch supported on said primary magazine and engageable with the lower end of the said front wall of the auxiliary magazine to hold said auxiliary magazine in its said withdrawn position, said latch having a projection extending into said primary magazine, said releasing means comprising substantially vertical guide means mounted on and extending to the lower end of said front wall, and a weight member slidable in said guide means, said weight member being adapted to drop to engage said projection to release said latch and thereby permit said auxiliary magazine to swing into said primary magazine, said vertical guide means terminating downwardly as means for retaining said weight member on said front wall while said auxiliary magazine swings into said primary magazine, after said weight member has released said latch.

2,205,193
FOLDABLE, PORTABLE SHELVING
Yehuda Goldman, New York, N. Y.
Application April 15, 1939, Serial No. 267,975
2 Claims. (Cl. 211—93)

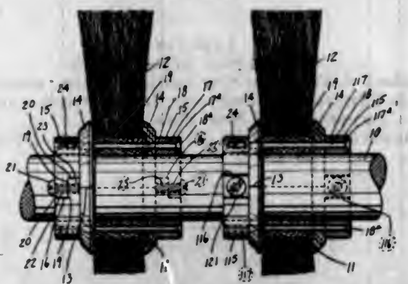


1. In a collapsible and portable shelving as described the articulation of two adjoining strengthening members for the backing comprising a tongue at one end of one of said members adapted to engage a recess in the end of the next adjoining member having a bevelled end with which the tongue engages in order to form one rigid stiffening member for the backing when unfolded, the recess in one of the slats formed by two branches having bevelled ends, and a pintle passing through the tongue and anchored in said branches about which the other slat is rotating or turning in a direction opposite to the direction of engagement between the tongue and the beveled end wall of the recess in the next adjoining slat to allow a folding of the individual slats upon one another.

2,205,194
PROCESS OF DIFFERENTIAL FLOTATION OF MIXED SULPHIDE ORE
William D. Green, Bauer, Utah, assignor to Combined Metals Reduction Company, Bauer, Utah, a corporation of Utah
No Drawing. Application April 24, 1939, Serial No. 269,814
5 Claims. (Cl. 209—167)

1. In the sulphite process of differential ore flotation, the improvement which consists in bringing about a reaction in the pulp between the sulphite of the pulp and an aluminum salt of the group consisting of aluminum chloride and aluminum sulphate to liberate sulphur dioxide and thereby depress the zinc sulphide.

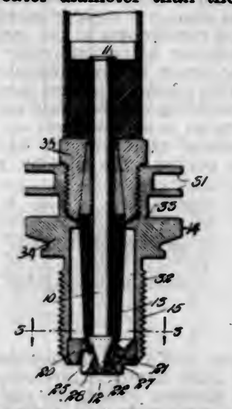
2,205,195
RADIALLY DEMOUNTABLE ROTATABLE ELEMENT
Raymond A. Hammon and Joseph S. Winnefeld, Indianapolis, Ind.
Application January 22, 1938, Serial No. 186,350
2 Claims. (Cl. 15—179)



1. A rotatable element for shaft mounting for rotation by the shaft including a plurality of segmental character portions arranged in shaft enveloping relation, a collar in shaft enveloping relation at each side of said segmental portions and of segmental portion character and spaced by said first mentioned portions, means rigidly securing the opposed collar portions to the intermediate portion, and means securing the adjacent ends of adjacent collar portions together and constituting the sole means for peripheral connection arrangement, the means securing the opposed collar portions to the intermediate portion being embedded in and extending entirely through the intermediate portion and terminating at opposite ends in anchoring relation in the opposed collar portions.

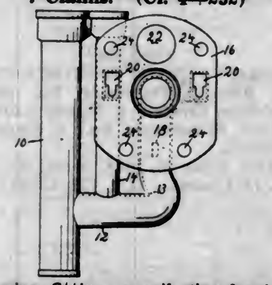
2,205,196
SPARK PLUG
William Harper, Jr., Port Washington, N. Y., assignor to H. B. Motor Corporation, New York, N. Y., a corporation of New York
Application June 16, 1937, Serial No. 148,447
7 Claims. (Cl. 123—169)

1. A spark plug comprising the combination with a central electrode, an insulator therefor and a metal body having an extension surrounding the insulator, of a thick metal shield closing the end of said extension and containing a central opening providing a narrow clearance around the end portion of the central electrode and a passage of greater diameter than the width of



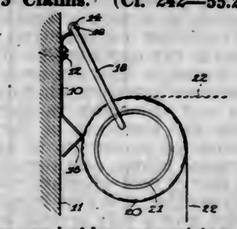
said clearance space and inclined to direct incoming gases away from the insulator.

2,205,197
PIPE FITTING
Victor A. Hoffman, Harvey, Ill.
Application August 23, 1938, Serial No. 226,333
7 Claims. (Cl. 4—252)



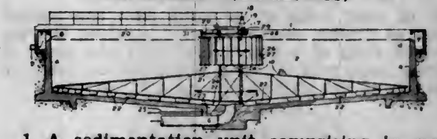
1. In a pipe fitting, a soil pipe having an extension at right angles thereto, said extension being turned upwardly and thence forwardly to form the downwardly extending leg of a siphon, a supporting plate secured to the forwardly turned portion of said extension and parallel to the upwardly extending portion thereof, and a flush pipe receiving opening in said plate directly above the opening in said extension.

2,205,198
ROLL HOLDER
Samuel N. Hope, Wauwatosa, Wis., assignor to Griffith-Hope Company, West Allis, Wis., a corporation of Wisconsin
Application June 24, 1938, Serial No. 215,592
5 Claims. (Cl. 242—55.2)



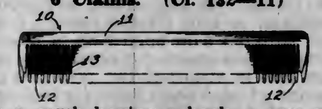
3. A roll paper holder, comprising a support, a hanger pivotally mounted on said support to rotatably carry a roll of paper thereon eccentrically of the roll and above the axis of the roll, said support having a braking projection presenting a roll-indenting edge against which the rear portion of the roll is adapted to bear, said braking projection being rigid with said support and extending behind the lower end portion of said hanger, and said roll being urged rearwardly against said projection by downward tension on the free end of the paper, whereby to facilitate severance of the paper.

2,205,199
SEDIMENTATION
George E. Hubbell, Detroit, Mich., and Charles H. Scott, Norwalk, and George M. Darby, Westport, Conn.; said Scott and said Darby assignors to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application August 20, 1937, Serial No. 160,068
10 Claims. (Cl. 210—55)



1. A sedimentation unit comprising in combination a settling tank; an influent feeding means that includes a conduit construction having a low inflow section, a vertically-extending upflow section provided with discharge ports that deliver into the upper central portion of the tank, and an elbow section intermediate and connecting the aforementioned sections; and a system of plates having concentrically-curved lower portions and paralleling flat upper portions and arranged so that the curved lower portions are located within the elbow section while the paralleling flat upper portions are within the vertically-extending upflow section.

2,205,200
COMB
William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application March 23, 1939, Serial No. 263,592
6 Claims. (Cl. 132—11)

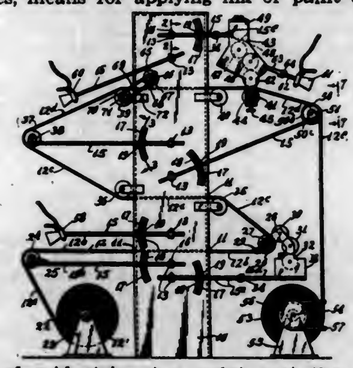


1. In a comb having a back, a row of coarse teeth extending from the back, a row of fine teeth extending from the back in a plane spaced from the row of coarse teeth and adjacent thereto, the fine teeth being shorter than the coarse teeth.

2,205,201
MACHINE FOR MAKING WALL STRIPS
Joseph Iwaniw, New York, N. Y.
Application October 5, 1939, Serial No. 298,075
12 Claims. (Cl. 91—16)

7. A machine for making wall strips, comprising a drying chamber, a plurality of strip guiding units for guiding sections of a continuous strip in different stages through said drying chamber in a zigzag path, means for moving said continuous strip forwards, means for applying shellac on the top side of said strip at

one point before the drying chamber, means for applying an adhesive substance on the bottom of said strip at a point past the first of said stages, means for applying ink or paint on the



top of said strip at a point past the second stage of drying, and means for printing the top of said strip at a point past the third stage of drying, said means for applying ink or paint to the top of the strip including a spray gun.

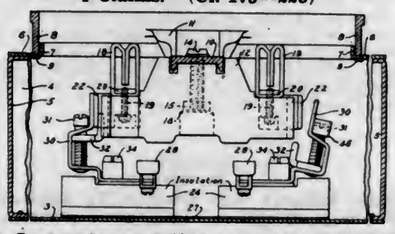
2,205,202

METER MOUNTING

Ernest G. Johansson, Watertown, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 20, 1938, Serial No. 220,178

4 Claims. (Cl. 175—225)



1. In a meter mounting, a receptacle having an open side and a terminal block secured therein, terminal clamps on said block and conductor straps secured to said clamps having free ends accessible through said open side, a meter connection device and means for supporting it across said open side in either of two positions parallel to the plane of said open side, contact jaws secured to said connection device and rigid conducting members secured thereto having free ends extending respectively adjacent to the free ends of said straps and being so formed that a portion of each member confronts its respective strap free end in both positions of the connection device, and means for clamping together the free ends of said conducting members and the straps adjacent thereto.

2,205,203

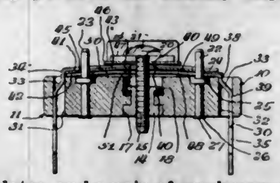
TRIMMER CONDENSER

Lawrence C. Johnson and Carther M. Jorgensen, Chicago, Ill., assignors, by direct and mesne assignments, to Underwood Electric & Mfg. Co., Inc., Chicago, Ill., a corporation of Illinois

Application March 31, 1937, Serial No. 133,960

4 Claims. (Cl. 175—41.5)

1. In a trimmer condenser, the combination of an insulating member of porcelain or the like, provided with a centrally located aperture having secured therein a tubular member headed at one end and riveted over at the opposite end, said tubular member being internally threaded, an adjustment screw in said tubular member, and provided with a head, a pair of metal pins carried by said insulating support, said metal pins being fixedly secured to said support on opposite sides of said tubular member, and having upwardly projecting portions for slidably engaging con-



denser plates, and a pair of condenser plates, each condenser plate having a downwardly extending connector member located in and engaging the walls of an aperture in said insulating support for locating and securing against shift that end of the condenser plate, and each condenser plate having an aperture engaging one of said pins, said latter aperture being located at the end of the condenser plate opposite from the connector, and said condenser plates having enlarged apertures surrounding said pins adjacent the connector end of each condenser plate.

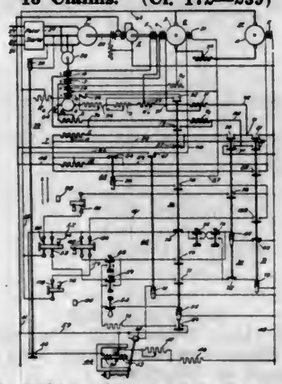
2,205,204

VARIABLE VOLTAGE MOTOR CONTROL

George E. King, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 16, 1938, Serial No. 214,032

18 Claims. (Cl. 172—239)



1. In a system of control for controlling the excitation of a generator, in combination, a main generator having an armature winding and having a pair of relatively low impedance field windings connected in two opposite legs of a balanced Wheatstone bridge, a load connected in series with the generator armature winding, a regulator-generator and adjustable resistor connected in series with the armature of the regulator-generator connected across two of the junctions of the Wheatstone bridge, said regulator-generator having a pair of field windings connected, respectively, across the generator terminals and in the load circuit and a pair of field windings one connected in one leg of the bridge in series with one of the low impedance main generator field windings and the other connected in the opposite leg of the bridge in series with the other of the low impedance main generator field windings, and a pair of bridge balancing resistors connected in the other two opposite legs of the bridge and a source of variable direct current voltage connected across the other two junctions of the bridge.

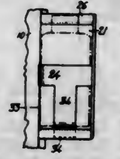
2,205,205

CASE FOR TOILET ACCESSORIES

Harold S. King, Asbury Park, N. J.

Application October 22, 1938, Serial No. 236,407

2 Claims. (Cl. 150—34)



1. An article holding case of the class described comprising a body including a bottom wall, a rear wall hinged thereto, a top wall hinged to the rear wall, a side closure means comprising another hinged wall; means including front sections for holding said walls in openable closed position; together with an opposite side closure comprising a hinged side member having an angularly disposed flap thereon, the member and flap being adapted to engage side faces of an elongate article of rectangular cross section; a strap including a main portion having end attachments on the edge of said flap and on the side part of the bottom wall, said portion being adapted to embrace a medial part of the article, and a branch extending from the main portion for engaging one end of the article, said branch having an end attachment on one part of said side member, whereby the article may be drawn directly outwardly over the opposite part of said member.

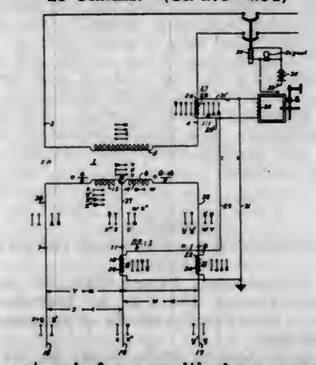
2,205,206

DIFFERENTIAL PROTECTIVE SCHEME

Edward H. Klemmer, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 14, 1938, Serial No. 213,649

18 Claims. (Cl. 175—294)



1. A network for a multi-phase current comprising an alternating-current machine having a feeder, parallel phases feeding said feeder, said machine having fractional voltage feeder taps in said phases, and differential protective means responsive only to an internal fault in said machine, said protective means comprising transformer means in one of said feeder taps having an effective operable ratio which is substantially a direct function of the ratio of tapped turns to main turns, and in the other unity minus the first said ratio.

2,205,207

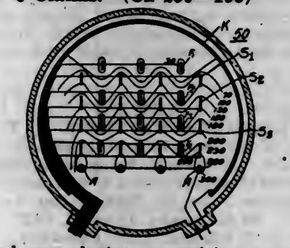
AMPLIFYING SCHEME FOR PHOTO-CATHODES

Otto Krenzien, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Berlin, Germany, a corporation of Germany

Application June 16, 1937, Serial No. 148,451

In Germany June 13, 1936

6 Claims. (Cl. 250—166)



1. A discharge device comprising an envelope having a first electrode capable of emitting charges when subjected to the influence of a beam of radiant energy, a second electrode capable of emitting additional charges when charges emitted by said first electrode impinge thereon, a third electrode for collecting the charges emitted by said first and second electrodes and a fourth electrode for causing a maximum proportion of the charges emitted by said first electrode to impinge on said second electrode, said second electrode being interposed between said first and third electrodes and comprising a latticed grid structure, with the elements bounding the lattice openings disposed with their smallest surface areas pointing directly towards and away from the direction in which a beam of radiant energy is to be projected on said first electrode and said fourth electrode comprising a latticed-grid structure electrically separate from said second electrode and having its bars positioned between the bars of said second electrode.

2,205,208

RECTIFIER SYSTEM

Erwin Kübler, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

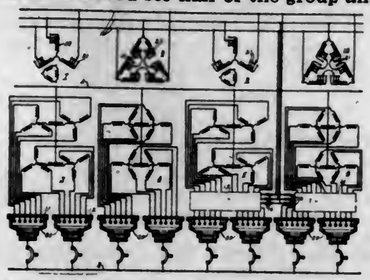
Application March 21, 1939, Serial No. 263,145

In Germany March 22, 1938

6 Claims. (Cl. 175—363)

4. A conversion system comprising an uneven number of parallel operating converter groups connected between a three-phase circuit and a direct-current circuit, a feeding transformer for each of said converter groups, said feeding transformers having alternate star and delta connected primaries and multiple star secondaries whereby the phase potentials of alternate groups are shifted 30° in phase with respect to each other to produce a twelve-phase arrangement, a cross-transformer connected in series with the secondary winding of the odd group of the paral-

lel operating groups, the secondary windings of said cross-transformer displacing the phase position of the terminal voltage of the feeding transformer 15° forward for half of the group and 15°



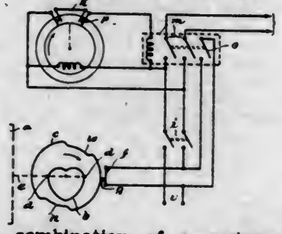
reverse for the other half of the group to produce a twelve-phase arrangement for the group, said twelve-phase arrangement being displaced 15° from the first-mentioned twelve-phase arrangement.

2,205,209

SWITCHING DEVICE FOR X-RAY WORK

Heinrich Kunz and Hellmuth Berger, Erlangen, Germany, assignor to Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany

Application June 25, 1938, Serial No. 215,845
In Germany June 30, 1937
7 Claims. (Cl. 250—62)



1. The combination of a reciprocable diaphragm for intercepting secondary X-rays and a main electrical X-ray tube circuit having a main switch; with means connected with said diaphragm for reciprocating the same, said main circuit including an auxiliary switch connected in series with said main switch; means connected with the first-mentioned means and said auxiliary switch to maintain said auxiliary switch open during the reversal of the direction of movement of said reciprocable diaphragm, and means connected with said main circuit for short-circuiting said auxiliary switch when said main circuit is switched on.

2,205,210

CANDY WRAPPER

Theodore Rudolph Latour, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 1, 1939, Serial No. 282,436
2 Claims. (Cl. 91—68)

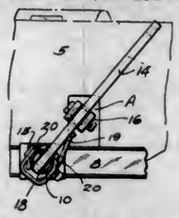
2. A transparent sheet wrapping material for sticky candy comprising essentially a sheet of regenerated cellulose having a moistureproof coating thereon, said coating comprising essentially 54% of ethyl cellulose etherified in the range 41% to 51% ethoxyl film former and 6% of moistureproofing agent together with 25% of resin blending agent and 15% of plasticizer.

2,205,211

RAILWAY BRAKE GEAR STRUCTURE

Ernest A. Le Beau, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application July 11, 1938, Serial No. 218,529
14 Claims. (Cl. 188—231)



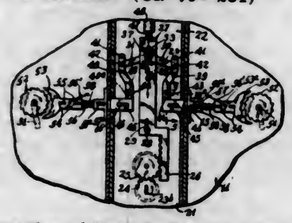
1. In combination, a railway brake beam strut having an aperture for a brake lever, a fulcrum pin extending through said strut, and means secured to said strut by said pin and extending transversely of said strut a substantial distance from said pin to engage a brake lever and resist its movement out of its normal operating plane.

2,205,212

AUTOMATIC FOUR DOOR LOCK FOR AUTOMOBILES

Solomon Lesser, New York, N. Y.

Application February 25, 1939, Serial No. 258,370
4 Claims. (Cl. 70—264)



2. In an automobile body having a front and a rear hingedly mounted door on each of the sides thereof, each of said doors having a window operating element adapted to move a window to an open or closed position; and controlled with a turnable handle, a bolt for each door for locking said doors, a toggle between each front and rear door for locking and opening the bolts thereof, a movably mounted bar connected with each toggle for operating same, a transmission means between said bars to move them in unison, and key controlled means for moving one of said bars, a ratchet wheel for each of said elements, a pawl for each ratchet wheel engageable therewith for locking the ratchet wheel from turning in one direction, and means operative by said bolts for moving said pawls into operative or inoperative positions.

2,205,213

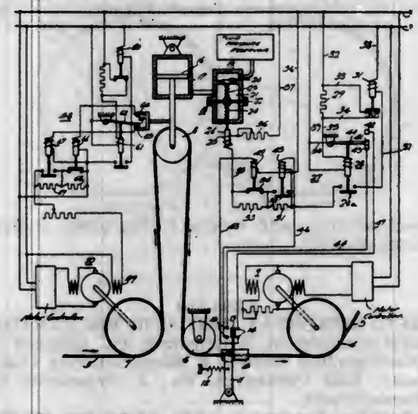
TENSION DEVICE FOR WIRE DRAWING BENCHES

Gerhard P. Lessmann, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 9, 1937, Serial No. 147,307
16 Claims. (Cl. 205—14)

1. In a system for drawing wire, means for drawing a wire through a die, means mounting the die for movement in accordance with the

drawing force exerted on the die, means for maintaining a back tension on the wire as it is drawn



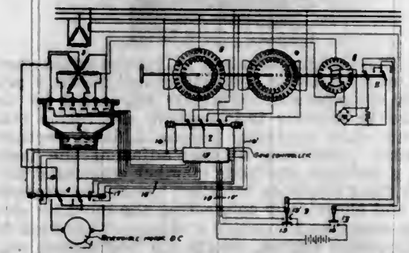
through the die, and means for automatically varying the back tension in response to movement of the die.

2,205,214

MOTOR CONTROL SYSTEM

Wilhelm Leukert, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 13, 1937, Serial No. 168,785
In Germany October 13, 1936
5 Claims. (Cl. 172—179)



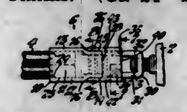
5. A control system for controlling the flow of electric energy between an alternating current source and a reversible electric current motor employing regenerative braking comprising a direct current motor, a source of alternating current for said motor, a multi-valve converter connected between said source and said motor, control electrodes associated with the valves of said converter, control means for supplying control impulses to said control electrodes comprising two induction phase regulators displaced 180 electrical degrees in phase relation, a selector switch for selectively connecting said regulators to said control electrodes, a reversing switch, connected between said converter and said motor, a single phase induction regulator fed from the alternating current supply of said converter, means for rectifying the output potential of said single phase inductor regulator, relay means for comparing the output potential of said single phase induction regulator with the terminal potential of said motor, said relay means being operative to determine the position of said selector switch and said reversing switch, and a relay responsive to the current flowing between the alternating current source and the motor for inhibiting movement of said selector switch and reversing switch until the current has decreased below a predetermined value.

2,205,215

JEWELRY CLASP OR CONNECTOR

Arthur H. Levesque, North Attleboro, Mass., assignor to R. F. Simmons Company, Attleboro, Mass., a partnership consisting of Harold E. Sweet and Hayward H. Sweet

Application January 28, 1939, Serial No. 253,361
8 Claims. (Cl. 24—241)



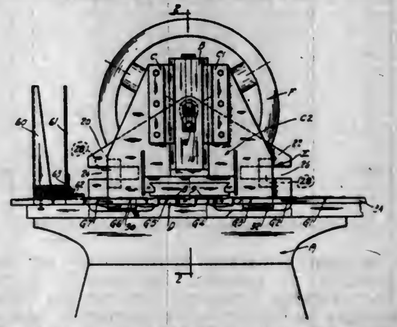
2. A clasp comprising a body-member, a substantially U-shaped hook having one leg hinged to the end of the body-member to adapt it to swing to carry its free leg away therefrom or to swing in the opposite direction to close the end of its free leg thereagainst, and a latching member pivoted to the body-member to swing across the plane of movement of the hook and so constructed and arranged as to adapt it to slide across the side of the hook when the latter is in closed position to retain it against opening.

2,205,216

MULTICOLOR PRINTING PRESS

Joseph F. Loughery, Philadelphia, Pa., assignor to The Duo Color Printing Press Company, a partnership consisting of Joseph F. Loughery, Max Gettes, and A. K. Brown

Application February 15, 1938, Serial No. 190,662
9 Claims. (Cl. 101—193)



1. In a printing press a printing head, means to move said printing head vertically and horizontally, a bed for holding a plurality of cards to be printed, and means for moving said cards in a rectilinear direction, a horizontally movable member upon which said printing head vertically moves, said bed rigidly attached to said horizontally movable member.

2,205,217

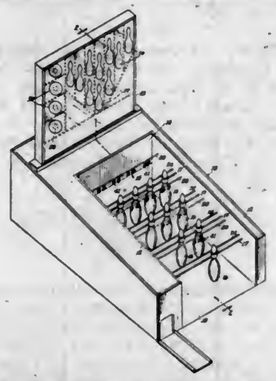
GAME APPARATUS

Myron C. Morrill, South Plainfield, N. J.

Application November 17, 1938, Serial No. 240,925
3 Claims. (Cl. 273—41)

1. In game apparatus of the nature set forth: a plurality of rows of horizontally disposed rods supported between the sides of a box-like structure, pins swingably mounted thereon and bearing a ratchet element rotatable in the plane of

swing of the pin and a resilient holding pawl engaging the ratchet to restrict its direction of rotation, elements located behind the respective rods parallel thereto and supported in the sides



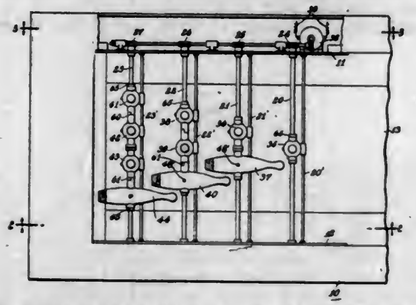
of said structure affording holding means in alignment with the ratchet elements of the corresponding pins for engagement therewith when a pin is elevated upon being struck by a ball, and means to release an engaged pin therefrom.

2,205,218

GAME APPARATUS

Myron C. Morrill, South Plainfield, N. J.

Application January 11, 1940, Serial No. 313,330
9 Claims. (Cl. 273—41)



1. In game apparatus of the nature set forth: a plurality of parallel, horizontally disposed shafts rotatably supported between the sides of a box-like structure, pins swingably mounted thereon, and means connecting the pins to their respective shafts to permit a pin to swing in one direction independently of the rotation of its shaft, together with means to rotate positively all of the said shafts.

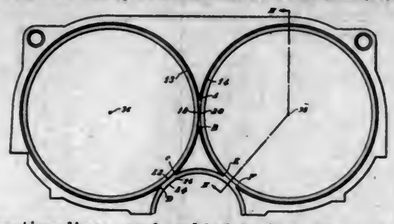
2,205,219

RAILWAY MOTOR FRAME

Erich O. Mueller, Irwin, and David B. Charters, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 14, 1938, Serial No. 201,940
18 Claims. (Cl. 105—133)

13. A frame for a railway drive of the twin electric motor type having a pair of contiguous motor housing-barrels of metal extending in the same general direction, said housing-barrels intersecting at lines above and below the line of centers between them, at least one of said housing-barrels being discontinuous between the in-



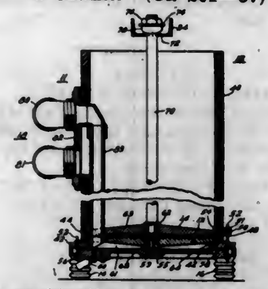
tersecting lines, and welded to the other of said housing-barrels.

2,205,220

LIQUID RHEOSTAT AND SLIP REGULATOR

Walter Schaelchlin, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 3, 1938, Serial No. 183,239
5 Claims. (Cl. 201—57)



3. The combination in a polyphase liquid rheostat, of a relatively open structural frame, a plurality of separate containers supported by the frame to provide independent electrolyte containers each container having a fixed electrode member positioned therein adjacent the lower end, a movable electrode member associated with each fixed electrode member, means for supporting and electrically connecting the movable electrode members to provide a neutral connection for a polyphase system, means for connecting each fixed electrode to a separate phase of a polyphase system and means including a manifold connecting the containers at the upper ends and having insulating inlet conduits extending adjacent the lower ends thereof for effecting a circulation of the electrolyte in each container while restricting the interchange of electrolyte between containers.

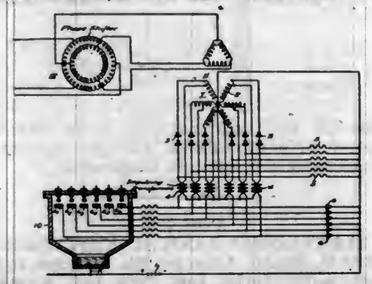
2,205,221

ELECTRIC DISCHARGE DEVICE CONTROL SYSTEM

Karl Seethaler, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 28, 1937, Serial No. 161,498
In Germany June 20, 1936
2 Claims. (Cl. 250—27)

1. A grid control system for controlling the moment of starting of a grid controlled arc-discharge device comprising in series between the cathode and the grid of the grid controlled arc-discharge device a bias voltage source, an alternating current grid transformer for supplying a potential having a substantially sinusoidal wave form, a rectifying device and a peaking transformer, a resistance connected in par-



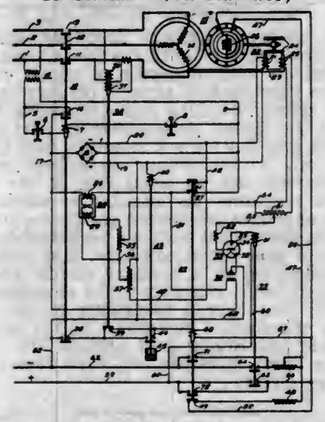
allel with said alternating current grid transformer and said rectifying device and a further rectifying device connected in parallel with said resistance and said peaking transformer.

2,205,222

STARTING CONTROL FOR SYNCHRONOUS MOTORS

Charles C. Shutt, East McKeesport, and John W. Dawson, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 31, 1935, Serial No. 4,322
Renewed May 8, 1939
15 Claims. (Cl. 172—289)



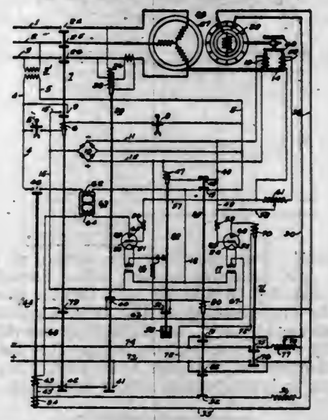
1. In a system of control for starting a synchronous motor, in combination, a synchronous motor having an armature winding, a field winding, and a damper winding constituting a starting means to start the motor as an induction motor upon energization of the armature by alternating current, a source of alternating current, means for connecting the armature to the source of alternating current, a source of direct current, switching means for connecting the field winding to the source of direct current, and control means, adapted to cause the operation of said switching means at a selected instant, said control means including an impulse generator operated by the rotor of the motor and adapted to generate impulses of electric energy the magnitude of which is determined by the speed of the motor and the position of which, with reference to time, is determined by the position of the rotor in space, means responsive to the position of the rotating field in the armature winding, and electronic means responsive to the joint effect of said two last-named means.

2,205,223

STARTING CONTROL FOR SYNCHRONOUS MOTORS

Charles C. Shutt, East McKeesport, and John W. Dawson, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 31, 1935, Serial No. 4,323
Renewed May 8, 1939
13 Claims. (Cl. 172—289)



1. A starting control system for a synchronous motor comprising, in combination, a synchronous motor having a stator, provided with an armature winding, a rotor provided with a field winding, and a starting winding, a source of alternating current, means adapted to connect the armature winding to the source of alternating current to start the motor as an induction motor, a source of direct current, a field switch adapted to connect the field winding to the source of direct current, an electric discharge device adapted, when discharging, to cause the operation of said field switch, an impulse generator and impulse means producing voltage impulses having frequencies equal to the frequency of the currents supplied to the armature by said source of alternating current and a frequency proportional to the rotor slip, respectively, acting jointly on said electric discharge device to cause the same to break down or discharge when the field winding has a selected position with respect to the phases of the rotating field in the armature winding, and means responsive to the frequency of the currents induced in a winding on the poles of the motor to initiate the controlling effect of said impulse generator and impulse means on the electric discharge device.

2,205,224

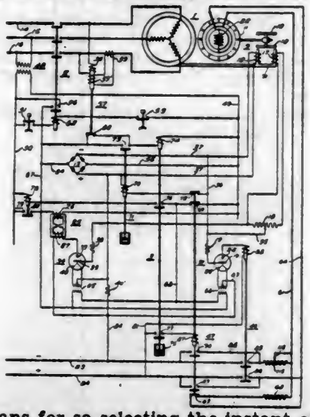
STARTING CONTROL FOR SYNCHRONOUS MOTORS

Charles C. Shutt, East McKeesport, and John W. Dawson, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 23, 1935, Serial No. 7,710
17 Claims. (Cl. 172—289)

1. In a system of control for starting a syn-

chronous motor having an armature winding and a field winding, means for producing a rotating field in the armature winding to start the motor as an induction motor, timing means operable after a predetermined interval of time, transfer means, energized by said timing means, adapted to energize the field winding with direct current,



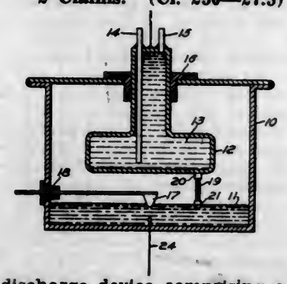
and means for so selecting the instant of operation of said transfer means after energization of the transfer means by said timing means to effect the energization of the field winding with direct current at such an instant to provide substantially maximum pull-in torque for the motor at the moment of transfer from induction motor operation to synchronous motor operation.

2,205,225

DISCHARGE DEVICE

Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 5, 1938, Serial No. 194,132
2 Claims. (Cl. 250—27.5)



1. A discharge device comprising a container, an anode and cathode therein and a ceramic body extending from said anode to said cathode, said body being sufficiently conductive to be heated to a substantial temperature by current-flow therein.

2,205,226

IGNITRON STARTER

Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 12, 1938, Serial No. 224,520
4 Claims. (Cl. 250—27.5)

1. In combination with vapor-arc discharge devices, an electrode of resistance material free from mercurial amalgamation in the presence of



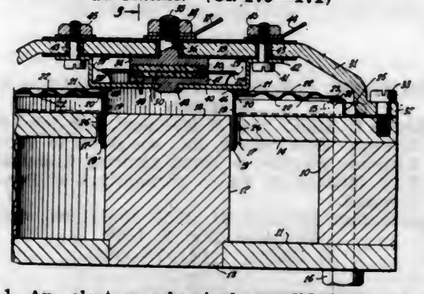
an electric arc, said material being essentially composed of a mixture of uranium dioxide and an organic binder, such as tragacanth.

2,205,227

ELECTROMECHANICAL AMPLIFIER

Howard H. Smith, Chicago, Ill., assignor to Peru Radio Laboratories, Inc., Peru, Ind., a corporation of Illinois

Application February 9, 1938, Serial No. 189,613
10 Claims. (Cl. 179—171)



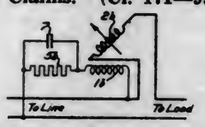
1. An electromechanical amplifier including means providing a mounting, a planar-like spider supported on said mounting, a signal coil including a tube portion secured between its ends to said spider with its axis transverse to the plane of the spider, means forming part of said mounting and providing a magnetic field for said signal coil, a microphone arranged on said mounting opposite an axial end of the signal coil and including an annular actuating diaphragm of minimized weight rigidly secured adjacent its peripheral portions to peripheral end portions of said signal coil tube, said signal coil being connected in a primary circuit and said microphone being connected in a secondary circuit such that energy variations in the signal coil will effect axial movement of the latter to move said diaphragm and actuate the microphone to effect corresponding variations in said secondary circuit.

2,205,228

WATTMETER

Uel L. Smith, Morris Plains, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 27, 1938, Serial No. 237,244
4 Claims. (Cl. 171—95)



1. In a dynamometer wattmeter, a stationary voltage coil having substantial inductance, a current coil mounted for movement relative to said voltage coil in response to currents flowing through said coils, and means for correcting the

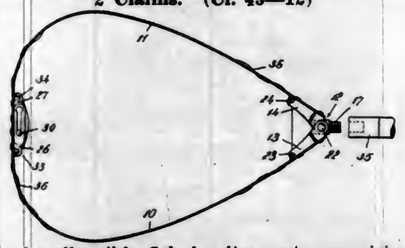
phase angle between the currents flowing through said coils, said means comprising a capacitive reactance in series with said voltage coil.

2,205,229

COLLAPSIBLE FISH LANDING NET

Ernest L. Spriggs and John H. Butts, Rome, N. Y., assignors to Rome Specialty Company, Inc., Rome, N. Y., a corporation of New York

Application November 1, 1938, Serial No. 238,206
2 Claims. (Cl. 43—12)



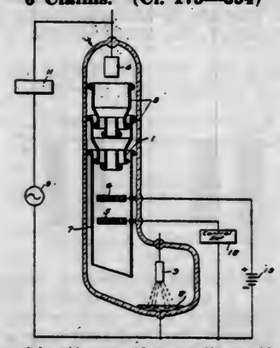
1. A collapsible fish landing net comprising a pair of normally relatively straight spring frame arms, said arms being joined to one another at one end, means for securing a handle to said end, the other ends of the arms being provided with relatively rigid ears claspable in slidable relation to one another, the ear of one arm being provided with a slot, and the ear of the other arm with a stud adapted to pass through the slot, each of said ears being provided with a hook at its inner end about which a strand of a fish net is hookable, said hooks lying opposite their corresponding arms and having their open sides in close proximity to said arms, whereby when the free ends of said arms are secured together to spring the arms into generally ring shape the flexure of the spring arms will tend to close the open space between said hooks and said arms, the free ends of each ear being adapted to slide inside the opposite arm when the arms are sprung into generally ring shape and to hold the arms in their sprung relationship until the net is collapsed.

2,205,230

GAS OR VAPOR FILLED CONTROLLABLE ELECTRIC DISCHARGE DEVICE

Max Steenbeck, Berlin-Siemensstadt, Germany, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes", Berlin, Germany, a corporation of Germany

Application August 6, 1938, Serial No. 223,542
In Germany August 7, 1937
6 Claims. (Cl. 175—354)



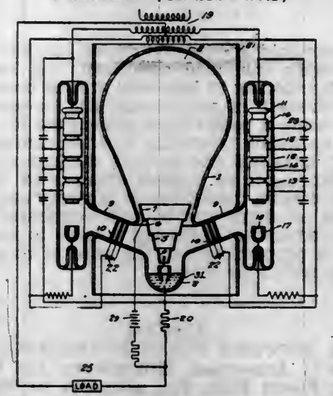
4. In combination with an alternating-current source, an electrical discharge tube drawing current therefrom and having an evacuated container provided with a non-emissive anode, a mercury cathode having a keep-alive arc, a first grid electrode and a second grid electrode which is more remote from said cathode than is said first grid electrode, means for making said first grid electrode negative relative to said cathode during those half-cycles of said source in which no current flows between said anode and said cathode, and means for making said second grid electrode positive relative to said cathode during the last-mentioned half-cycles.

2,205,231

ELECTRIC DISCHARGE DEVICE FOR HIGH OPERATING VOLTAGES

Max Steenbeck, Berlin-Siemensstadt, Germany, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes", Berlin, Germany, a corporation of Germany

Application August 17, 1938, Serial No. 225,331
In Germany August 17, 1937
7 Claims. (Cl. 250—27.5)



1. A vapor electric device comprising an envelope including a cathode dish and a condensing chamber, a mercury cathode in said cathode dish, anode arms extending from said envelope, a nozzle system composed of a plurality of separate partially overlapping nozzle sections extending from the cathode into the condensing chamber, said anode arms opening into said envelope laterally of said nozzle system.

2,205,232

INSECT REPELLENT

Wendell H. Tisdale, Wilmington, Del., and Ira Williams, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 26, 1937, Serial No. 161,041
4 Claims. (Cl. 167—22)

1. A repellent for chewing insects comprising a thiuram sulfide as an active ingredient, admixed with a finely divided inert material, and characterized by ready dispersibility in aqueous media for the formation of an aqueous suspension suitable for spraying.

2,205,233

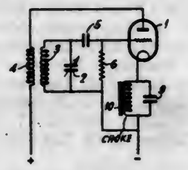
OSCILLATION GENERATION

Jacob van Slooten, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application June 25, 1938, Serial No. 215,742
In Germany September 2, 1937
2 Claims. (Cl. 250—36)

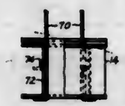
1. A retroactively coupled oscillator comprising

an electron discharge device containing a grid, an anode and a cathode, a frequency determining circuit having one terminal connected to said grid through a grid condenser, a choke coil shunted by a by-pass condenser having one end connected to said cathode and the other end connected to the other terminal of said frequency determining circuit, a leak resistor connected between said grid and said last end of said choke coil, a connection from said anode also to said last end of said choke coil, said connection being coupled to said frequency determining circuit for feeding back en-



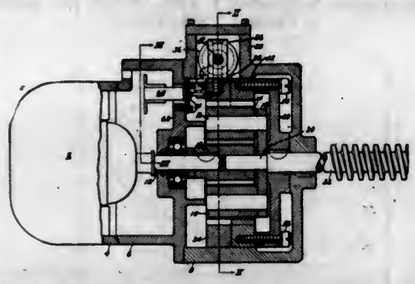
ergy from said anode, said device considered together with said grid condenser and leak resistor functioning to bias said grid in proportion to the strength of oscillations, said by-pass condenser being a path of low impedance to energy of the operating frequency and the combination of said choke coil and by-pass condenser having high impedance to sudden changes in average current passing therethrough, whereby said combination of choke and by-pass condenser function to impart an additional voltage to said grid which is proportional to the rate of change of the average anode current.

2,205,234
COIL SUPPORT FOR ELECTROMAGNETS
George C. Armstrong, Wilkinsburg, and Delbert Ellis, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 28, 1936, Serial No. 98,323. Divided and this application August 6, 1937, Serial No. 157,653
3 Claims. (Cl. 175—21)



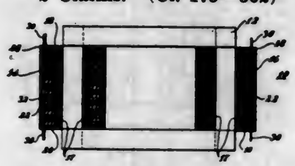
3. In an electromagnet comprising a core structure having a winding leg of rectangular cross-section extending therefrom and a winding surrounding said leg, the combination of supporting means for said winding comprising a tube of insulating material having a rectangular section integral with the winding and positioned about said core within said winding, and a pair of flat bracket members extending on opposite sides of the winding leg of the core within said tube and attached to the tube, said bracket members being provided with projections extending therefrom through openings provided in the wall of the insulating tube and bent back against the outer surface of the tube to grip the tube, said bracket members being flanged outwardly at one end of the winding for supporting the winding and extending outwardly from the tube at the other end and provided with slots therein for adjustably securing the winding in fixed relation to the core.

2,205,235
VALVE OPERATOR
Edwin E. Arnold, Pittsburgh, and Robert S. Elberty, Jr., Waynesboro, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1938, Serial No. 199,320
8 Claims. (Cl. 74—291)



6. In a valve controller, a motor, a gear train connecting said motor in operative relation with the valve, said gear train comprising a sun gear driven by said motor, a first ring gear and a planet gear driven by said sun gear and engaging said first ring gear, a second ring gear engaging said planet gear and having a different number of teeth from the first ring gear, means connecting said second ring gear to operate the valve, means biasing said first ring gear in a predetermined position, means whereby predetermined turning movement on said first ring gear will cause it to be displaced from said predetermined position, means for energizing said motor selectively for rotation in a direction to open or close the valve, holding circuit means for maintaining said motor energized as selected, means responsive to predetermined displacement of said first ring gear when the movement of the valve is obstructed as when the valve has reached its extreme limit of travel in the selected open or closed position for breaking said holding circuit means and thereby deenergizing said motor, and manually operable means for breaking said holding circuit independently of said displacement responsive means.

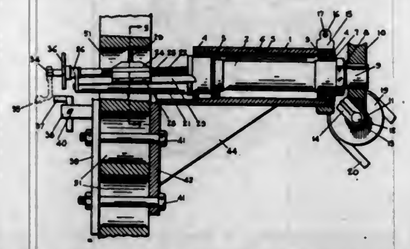
2,205,236
ELECTRICAL APPARATUS
Hewett R. Arnold, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1938, Serial No. 210,082
2 Claims. (Cl. 175—362)



1. A coil form for a winding comprising in combination, a base of insulating material, a spacer consisting of a continuous turn insulator of fibrous material impregnated with a synthetic resin disposed on the base, the continuous turn insulator being of self-supported spiral shape having a spiral space between the spiral turns of the insulator for receiving the winding, the

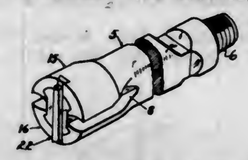
turns of the spacer being movable relative to one another on the base to adjust the size of the space for receiving different sized windings.

2,205,237
BORING DEVICE
Dilward T. Beardsley, Wichita, Kans., assignor of one-half to Earl W. Couchman, Wichita, Kans.
Application January 12, 1938, Serial No. 184,631
3 Claims. (Cl. 77—2)



1. In a boring device of the class described for cranks, a support comprising a housing, a transverse flange at one end of said housing, means for affixing said flange to the crank, a shaft rotatably carried in said housing, means on the end of the shaft remote from the flange for rotating said shaft, a tapered extension on the other end of the shaft projecting beyond the housing, a cutting means slidably carried by said tapered extension, automatic means for moving the cutting means along the tapered extension during rotation of the shaft.

2,205,238
CABLE TOOL
Joseph H. Burt, Hermann, Mo.
Application June 19, 1939, Serial No. 279,834
4 Claims. (Cl. 255—63)



1. A cable tool bit comprising an elongated shank having its working end reduced to provide shoulders, bit supporting sections adapted to slide longitudinally upon opposite sides of the reduced end, there being aligned dove-tail bit grooves formed diametrically across the end face of the shank and medially through the ends of the bit supporting sections, and a bit having a dove-tail base adapted to slide into the said bit grooves of shank and sections.

2,205,239
PROCESS FOR PREPARING CYANO-2-BUTADIENE-1,3
Albert S. Carter and Frank Willard Johnson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 19, 1938, Serial No. 241,398
21 Claims. (Cl. 260—96)

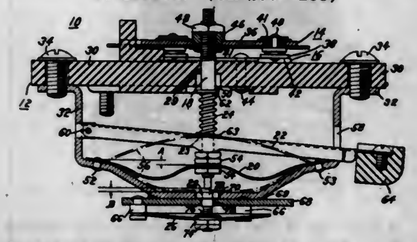
1. A process for preparing cyano-2-butadiene-1,3, which comprises acylating alpha vinyl lactic nitrile and then pyrolyzing the resulting acid ester to remove the elements of the corresponding acid.

11. Cyano-2-butadiene-1,3.

12. A polymer of cyano-2-butadiene-1,3.

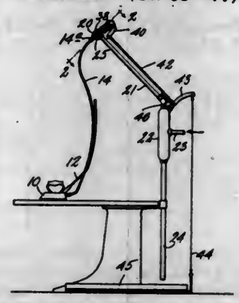
13. A polymer formed by polymerizing a mixture of cyano-2-butadiene-1,3 and chloro-2-butadiene-1,3.

2,205,240
CIRCUIT INTERRUPTER
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 21, 1938, Serial No. 203,317
13 Claims. (Cl. 200—138)



1. A circuit interrupter including, in combination, a supporting structure, a plurality of cooperating contacts, at least one of said contacts being movable, a movable operating stem associated therewith, resilient means biased by said stem into a double elastic curve for causing movement of the stem and associated movable contact to open and closed positions, and means independent of the resilient means and stem for actuating the resilient means.

2,205,241
STEAM INSTALLATION FOR PRESSING APPLIANCES
Frederick J. Clark, Buffalo, N. Y., assignor to Eastman Machine Company, Buffalo, N. Y.
Application October 23, 1936, Serial No. 107,213
7 Claims. (Cl. 68—77)



2. Steam supply and discharge control means for discharging steam free from condensate from a pressing or analogous appliance constructed for the discharge of steam therefrom and having means for heating the steam prior to its discharge, comprising a control device distant from said appliance for controlling the discharge of steam from the appliance, a condensation separator distant from the appliance, a steam supply pipe ascending from said separator to said control device, and a flexible pipe descending from said control device to the appliance, each of said pipes extending throughout its length in an un-

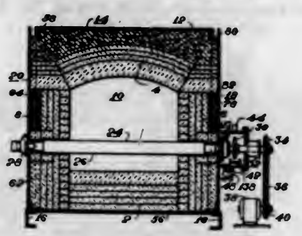
interrupted descent directly from the said control device, whereby condensate is prevented from collecting in said pipes at either side of said control device.

2,205,242

ROLLER-HEARTH TYPE ELECTRIC FURNACE

Frederick R. J. Davis, Irwin, and Gerhard P. Lessmann, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 23, 1939, Serial No. 263,694
26 Claims. (Cl. 263—6)



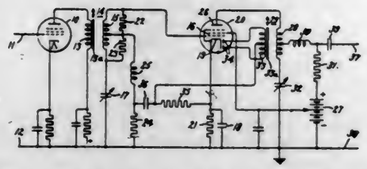
1. A furnace of the roller-hearth type having a side wall with spaced openings therein through which the ends of the rolls of the hearth can protrude, and an outer metallic shell for said wall, said shell comprising metal sheets, certain of said sheets being bent with a bend somewhat above said openings, and with portions extending upwardly from said bend contiguous with said wall and other portions extending outwardly from said bend, and other of said sheets also being bent with a bend somewhat below said openings, and with portions extending downwardly from the last said bend contiguous with said wall, and other portions extending outwardly from the last said bend.

2,205,243

AMPLIFIER

Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application December 15, 1938, Serial No. 245,879
7 Claims. (Cl. 250—20)



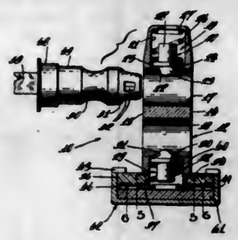
1. In combination, an electron discharge amplifier having a cathode and a control electrode, a source of modulated oscillations connected between said cathode and control electrode, whereby said oscillations are amplified by said amplifier, means to demodulate said oscillations after amplification by said amplifier and to supply the demodulation products between said cathode and an intermediate point on said source, and means connected between said cathode and the terminal of said source opposite said control electrode to form with said source and the space between said grid and cathode a bridge having said means as a diagonal thereof, the electromotive force of said source being applied across the opposite diagonal of said bridge.

2,205,244

ELECTRICAL CONNECTION MEANS

Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana

Application June 10, 1935, Serial No. 25,716
4 Claims. (Cl. 173—328)



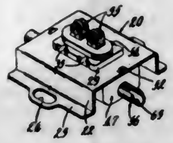
3. In combination: a support having an aperture provided with corners; a terminal post including a body provided with a cylindrical tubular part extending through said aperture, a portion of said part projecting into the corners of said aperture, another portion of said part pressing against one side of said support whereby to draw the shoulder formed between said body and tubular part against the opposite side of said support, a terminal receiving aperture provided in said post, biasing means arranged in said tubular part and intersecting said terminal receiving aperture, and a backing secured to said support engaging said biasing means assisting to hold the same in place.

2,205,245

ELECTRICAL SWITCHING DEVICE

Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana

Application May 9, 1936, Serial No. 78,829
7 Claims. (Cl. 200—153)



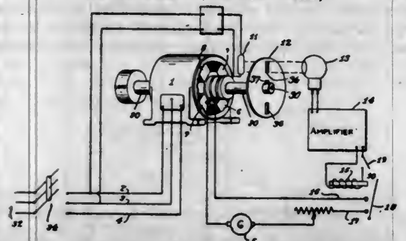
1. An electric switch, comprising: a casing means having recesses at opposite side walls; contact means, carried by one end wall of said casing means; bridge means, disposed within said casing means, and movable into and out of engagement with said contact means, to effect switching operation of said electric switch; generally tubular actuating means, slidably disposed through the recesses in said casing side walls, and connected to said bridge means for effecting movement of said bridge means; resilient means, disposed within said tubular actuating means, and having one end bearing against a portion of said actuating means, and its other end bearing against a side wall of said casing means adjacent the recess in this side wall, said resilient means urging said actuating means and the bridge means carried thereby to a predetermined position with respect to said contact means.

2,205,246

SYNCHRONOUS-MOTOR-CONTROL SYSTEM

Harold Eugene Edgerton, Watertown, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 12, 1933, Serial No. 675,348
13 Claims. (Cl. 171—118)



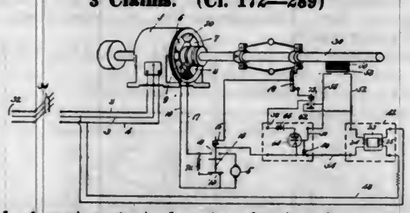
1. In an electric system comprising a synchronous motor having an armature and a field winding, a plurality of conductors for connecting the armature with an alternating-current supply of power, a relay for connecting the circuit of the field winding to a source of exciting current, and stroboscopic means for closing the relay at a predetermined angle between the armature flux and the field winding.

2,205,247

SYNCHRONOUS-MOTOR-CONTROL SYSTEM

Harold Eugene Edgerton, Cambridge, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 18, 1936, Serial No. 111,456
Renewed December 22, 1939
3 Claims. (Cl. 172—289)



1. A motor-control system having, in combination, a synchronous motor having an armature winding and a field winding, means for connecting the armature winding to a source of alternating current, a source of direct current, and means responsive to a selected position of the field winding with reference to the rotating field in the armature winding for connecting said field winding to said source of direct current, said means comprising two cooperating conducting members, one of the members being rotatable with the rotatable part of the motor, means for producing a peaked voltage from a source of sinusoidal voltage of substantially the same frequency and phase as the first-named source, and means for energizing the other conducting member in accordance with the peaked voltage.

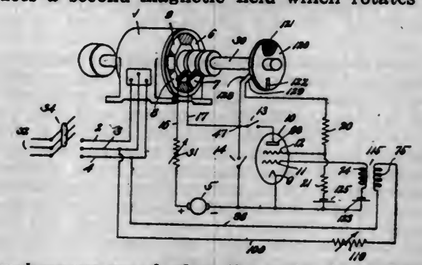
2,205,248

SYNCHRONOUS-MOTOR-CONTROL SYSTEM

Harold Eugene Edgerton, Belmont, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 12, 1937, Serial No. 147,963
18 Claims. (Cl. 172—289)

1. In an electric system comprising a synchronous motor having two elements, namely, a stator and a rotor, one of the elements being an armature and the other element being a field winding, means for connecting the armature to a source of alternating current, means comprising a gas-containing grid-controlled tube for connecting the circuit of the field winding to a source of direct current, whereby the alternating voltage supplied to the armature from the source of alternating current produces a magnetic field that rotates in space at a synchronous speed, and whereby the direct voltage applied to the field winding from the source of direct current produces a second magnetic field which rotates at



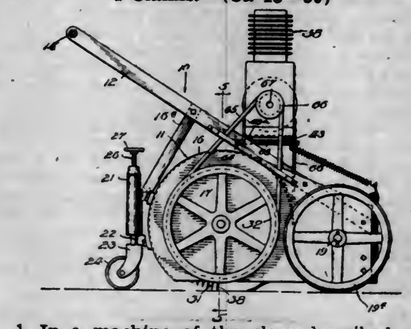
synchronous speed when the motor is operating at synchronous speed and which reacts upon the first-named magnetic field to produce a torque that is a function of the angle of displacement between the said magnetic fields, a second gas-filled tube in the field circuit, the second-named tube having two grids and being normally non-conducting, and means rotatable in synchronism with the rotor and controlled in accordance with the voltage of the source of alternating current for controlling the grids to render the second-named tube conducting at a predetermined angle of displacement between the said magnetic fields.

2,205,249

CLEANING MACHINE

William Ralph Fitzgerald and Andrew Docken, Chicago, Ill.

Application August 17, 1938, Serial No. 225,402
4 Claims. (Cl. 15—50)



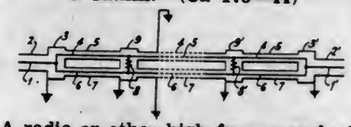
1. In a machine of the class described comprising a housing, a rotary brush in said housing, means for rotating said brush, said housing having an upper wall and forwardly extending side portions, a cross-bar mounted at the forward lower end of said side portions, the upper wall of said housing terminating rearwardly of said cross-member, and supporting means connected to said housing above and rearwardly of said cross-member, said means cooperating with said cross-member to form a support for interchangeably receiving a dust collecting bin or a fluid tank.

2,205,250

RADIO AND OTHER HIGH FREQUENCY FEEDER ARRANGEMENTS

Charles Samuel Franklin, London, England, assignor to Radio Corporation of America, a corporation of Delaware

Application April 19, 1937, Serial No. 137,692
In Great Britain April 29, 1936
5 Claims. (Cl. 178—44)



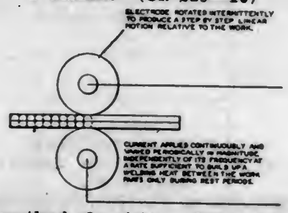
1. A radio or other high frequency feeder arrangement coupling a source to a load, comprising a transmission line coupled to said source and a transmission line coupled to said load, and a pair of feeder lines connected together at their ends so as to be in parallel relation connected between said two transmission lines, resistors connected between substantially equipotential points in said feeders, said resistors having such values as to eliminate or reduce voltage and current differences between said feeders due to unbalanced electromotive forces.

2,205,251

RESISTANCE LINE WELDING

Robert T. Gillette, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application July 21, 1938, Serial No. 220,526
4 Claims. (Cl. 219—10)



4. The method of resistance line welding which comprises applying a welding pressure to the work through an electrode which makes a rolling engagement therewith, producing alternate periods of rest and bodily movement between said electrode and the work so that their engaging surfaces are in successive contact with one another along a line of welding, and applying continuously to said electrode and the work a heating current which varies periodically at a rate such that a plurality of variations occur during each rest period in the alternate periods of rest and bodily movement between the work and said electrode, said heating current being insufficient to produce a weld during said periods of movement but sufficient to produce a weld during said periods of rest.

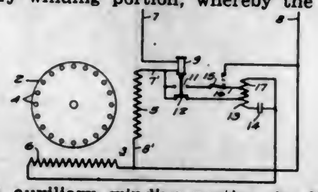
2,205,252

INDUCTION-MOTOR BRAKING

Quentin Graham, Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 21, 1938, Serial No. 236,186
4 Claims. (Cl. 172—279)

1. An induction motor having a primary member and a secondary member, said primary member comprising means for providing, in effect, a main winding-portion and a spatially displaced auxiliary winding-portion, said secondary member comprising closed-circuited secondary windings; in combination with a pair of single-phase supply-leads; means for causing said motor to be self-started and operated with said primary winding-portions energized from said pair of single-phase supply-leads; starting means including means for, in effect, connecting a relatively large capacitor in series-circuit relation to said auxiliary winding portion, whereby the current



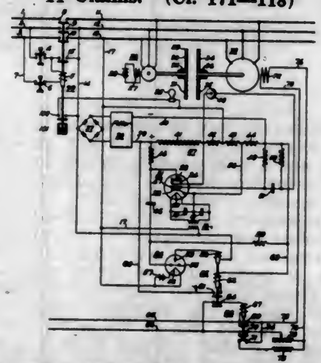
in said auxiliary winding-portion is displaced in time-phase with respect to the current in the main winding-portion; running means including means for, in effect, connecting a relatively small capacitor in series-circuit relation to said auxiliary winding-portion; and braking means including means for causing said main winding-portion to be energized from said pair of single-phase supply-leads, and means for, in effect, connecting a relatively large capacitor in series-circuit relation in a closed circuit around said auxiliary winding-portion.

2,205,253

SYNCHRONIZING DEVICE FOR SYNCHRONOUS MOTORS

Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 13, 1934, Serial No. 752,825
Renewed May 8, 1939
11 Claims. (Cl. 171—118)



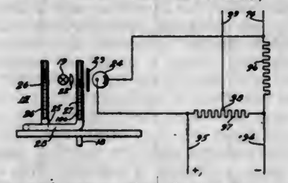
1. A control system for a synchronous motor, in combination, a synchronous motor having stator armature windings and rotor field windings wound on pole pieces and starting windings, a source of alternating current, means adapted to connect the armature windings to the source of alternating current, a source of direct current, switching means adapted to connect the field windings to the source of direct current, control means comprising a glow tube having, an anode and a cathode connected to said source of alternating current, and a control electrode, a control electric discharge device operable a time interval after the armature is connected to the source of alternating current and connected to vary the bias of the control electrode of said glow tube, means cooperable with said electric discharge device, for causing such bias variation to take place each time the time position of a pole piece and a phase of the alternating current correspond, whereby said glow tube will become conducting at a time when a pole piece of a certain polarity has a definite position with reference to a given point on the rotating flux wave of a given polarity produced by the armature windings, and means, operable when said glow-tube becomes conducting, adapted to cause the operation of said switching means.

2,205,254

REGULATOR

Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 27, 1937, Serial No. 176,864
9 Claims. (Cl. 250—41.5)



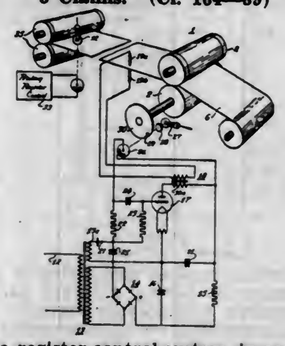
1. In a speed responsive device for a regulator system, a tubular container having two vertical leg portions and a connecting portion containing a liquid mounted to revolve about an axis that is substantially coincident with one of said vertical leg portions, the portion of said tube connecting said two vertical portions extending radially and circumferentially with respect to the axis of rotation, a phototube and a source of illumination therefor arranged to illuminate said phototube as controlled by the level of the liquid in said axially located leg portion, and circuit means responsive to the control of said phototube.

2,205,255

REGISTER CONTROL OF COLOR PRINTING PRESSES

Finn H. Gulliksen, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 3, 1938, Serial No. 228,328
5 Claims. (Cl. 164—89)



1. In a register control system, in combination, a machine for moving an article, in synchronism with the machine, from one position to another position, electric spark producing means disposed to make a mark on the article each time a spark is produced, electronic discharge means for setting said spark producing means in operation each time the electronic discharge means operates, and means for causing the operation of the electronic discharge means each time a given element of the machine holds a given position in space.

2,205,256

PURIFICATION OF LACTIC ACID

Ivan L. Haag and Charles A. Vana, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 22, 1937, Serial No. 170,387
5 Claims. (Cl. 260—535)

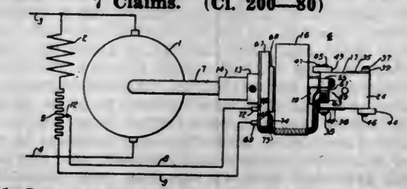
1. In a process for the purification of lactic acid which contains cyanide as an impurity, the step comprising adding a soluble silver compound to the lactic acid to precipitate the cyanide.

2,205,257

CENTRIFUGAL GOVERNOR WITH LARGE ANTICIPATION

Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 28, 1938, Serial No. 204,771
7 Claims. (Cl. 200—80)



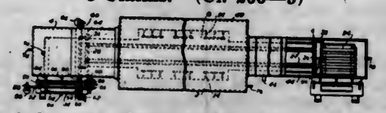
1. In a speed regulator for controlling the speed of a rotating member, an inertia member driven in accordance with the speed of the rotating member and possessing a degree of freedom of movement about its axis of rotation, a centrifugal member driven in accordance with the speed of the rotating member and possessing a degree of freedom of movement about an axis at an angle to its axis of rotation, and means responsive to the relative movements of said inertia member and said centrifugal member.

2,205,258

PROTECTION FOR CONTROLLED ATMOSPHERE FURNACES

Elmer K. Hansen, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

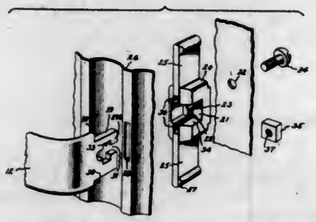
Application November 15, 1939, Serial No. 304,528
5 Claims. (Cl. 266—5)



1. A furnace of the type in which a charge is heat-treated while enveloped by a combustible protective atmosphere and having provisions for the admission of such atmosphere, said furnace including a heat-treatment chamber, said fur-

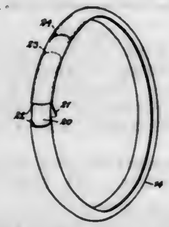
nace further including an opening to the outside and through which charges may be passed into or removed from said furnace, a closure for said opening, electrical resistor means capable of becoming hot when electrically energized, secured to said furnace in proximity to said opening, an electrical energizing circuit for said resistor means, and means to energize said electric resistor means when said closure is operated to open position whereby to ignite protective atmosphere and air in contact therewith flowing into said furnace through said open'ng.

2,205,259
FASTENING MEANS
George C. Harbison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 21, 1938, Serial No. 247,069
6 Claims. (Cl. 45—7)



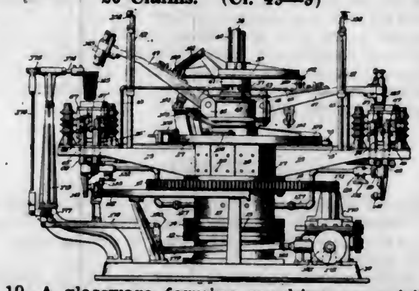
1. An arrangement for securing a facing plate to a supporting structure comprising a spacing element adapted to be interposed between said facing plate and said supporting structure, said element having a longitudinal passage extending therethrough and a lateral passage communicating between said longitudinal passage and a side of said element, said facing plate having a member associated therewith and adapted to extend into said longitudinal passage, said portion being provided with an opening, and fastening means associated with said supporting structure and said element, said means being adapted to extend through said longitudinal passage into said opening for engagement with said portion.

2,205,260
TIRE GUARD
Frank A. Hart, New York, N. Y.
Application January 5, 1939, Serial No. 249,386
2 Claims. (Cl. 152—357)



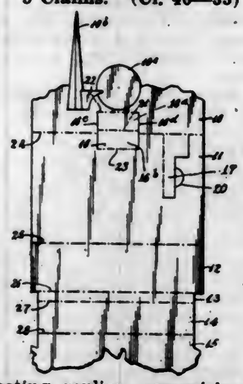
2. The combination with a shoe and an inner tube, of a tire guard between said shoe and tube, said tire guard comprising an envelope, a single strip of flexible steel in said envelope, and flaps extending laterally from said envelope throughout its length adapted to be positioned between said shoe and tube at the side thereof to hold said guard in place.

2,205,261
NARROW NECK BOTTLE FORMING MACHINE
Samuel E. Winder, Baltimore, Md., assignor of one-half to Henry C. Daubenspeck, Columbus, Ohio
Application September 15, 1937, Serial No. 164,083
20 Claims. (Cl. 49—9)



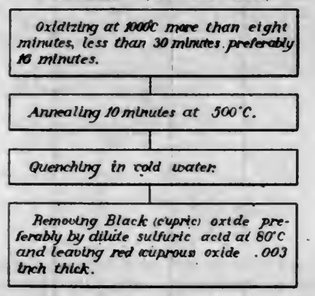
19. A glassware forming machine comprising a rotatable table, an inverted, open-bottom parison mould, an inverted, open-bottom blow mould, said moulds being mounted for movement to closed position about a common moulding axis, a suction head mounted for movement between a position closing the open bottoms of the moulds and a ware take-out position, means controlled by the rotation of the table for opening and closing the moulds and for moving said suction head to said positions, a suction line leading to said head, and means for controlling the application of suction to said head, said means comprising a valve in the suction line, a valve operating member movable with said head, means positioned to be engaged by the operating member to open the valve when the head is moved into mould closing position, and abutment means positioned to be engaged by the operating member adjacent the take-out position to close the valve and cut off the suction when the head is moved to that position.

2,205,262
GREETING REPLICA
Helen Hayes, New York, N. Y.
Application February 15, 1939, Serial No. 256,431
5 Claims. (Cl. 46—35)



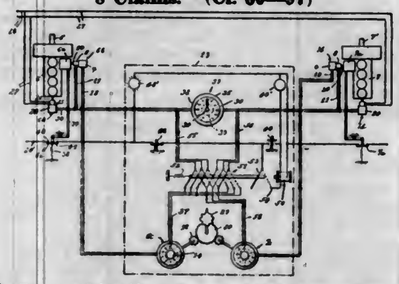
1. A greeting replica, comprising a sheet of postcard material having a cutout background panel extending substantially vertically and at its bottom connecting with a base panel extending to the front, a top panel continuing from the front edge of said base panel and extending rearwards on said base panel for a short distance, a vertical edge panel on the rear edge of said top panel, a mezzanine panel continuing rearwards from the top edge of said edge panel for a short distance, a foreground panel extending vertically from the rear of said mezzanine panel, an angle tab stamped from the background panel and the base panel and having a top wall extending between said foreground panel and said background panel and also having a vertical wall secured at an upper portion to said foreground panel, and a lock lug stamped from said base panel for being bent up against said mezzanine panel and between said foreground and background panels.

2,205,263
COPPER OXIDE RECTIFIER
Carl C. Hein, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 6, 1938, Serial No. 206,403
4 Claims. (Cl. 175—366)



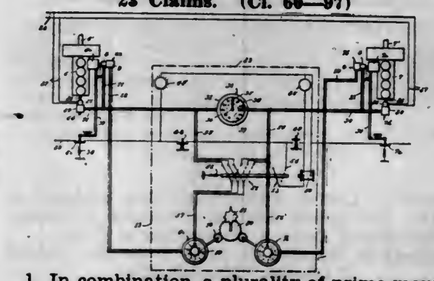
2. The method of forming copper oxide rectifiers which comprises oxidizing copper material at approximately 1000° C. to form an outer layer of black oxide and an underlying layer of red oxide and continuing said oxidation until the red oxide is substantially more than three mils thick on the area intended to be used for rectifying, annealing the material until it reaches approximately 500° C., quenching the material, removing the black oxide and also reducing by treating with dilute sulfuric acid the thickness of the red oxide on said area to substantially three mils.

2,205,264
SYNCHROPHASING SYSTEM
Albert Kalin, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application May 9, 1936, Serial No. 78,869
Renewed August 25, 1937
8 Claims. (Cl. 60—97)



1. In combination, two rotatable members, an individual adjustable speed control device for each of said members, a position-transmitter driven by each of said members, a differential position-receiver drivingly connected to each of said adjustable speed control devices, means electrically connecting one side of each of said differential position-receivers with the position-transmitter driven by its associated member, and means including a second and differential position-transmitter associated with each of said receivers for electrically connecting the other side of said differential receivers alternatively with either the first named transmitter driven by its own associated member or that driven by the other member.

2,205,265
SYNCHROPHASING SYSTEM
Albert Kalin, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application May 24, 1937, Serial No. 144,442
Renewed June 5, 1939
23 Claims. (Cl. 60—97)

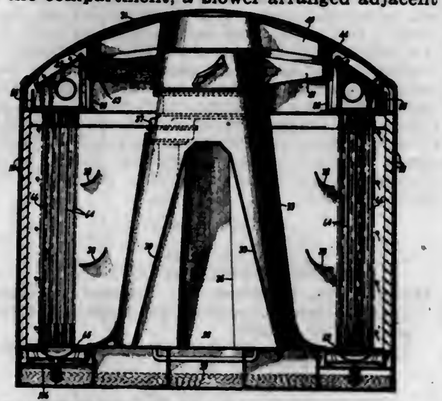


1. In combination, a plurality of prime movers, one of which is adapted to operate as a master and the other or others subordinate thereto, governors for the master and subordinate prime movers each having a speed adjustment, means driven in synchronism with the prime movers to indicate their relative speeds, manually operable means for operating said speed adjustments, each of those for the subordinate prime movers being operable alone to adjust the speed of its associated prime mover into synchronism with the master, the first-mentioned means including a differential having a central movable indicating element which indicates when motionless the synchronism of the prime movers and their instantaneous phase relationship, and the last-mentioned means being operable simultaneously to adjust the prime movers into a desired phase relationship, and means responsive to a deviation from a preselected phase relation between said subordinates and said master prime mover for effecting a compensating adjustment in said governor speed adjustments to restore the phase relation to its preselected value.

2,205,266
HEAT EXCHANGE APPARATUS
Anthony J. Larrecq, Beach Bluff, Mass., assignor to General Electric Company, a corporation of New York
Application July 27, 1937, Serial No. 155,935
21 Claims. (Cl. 105—35)

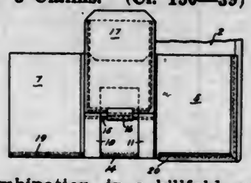
1. A motor vehicle comprising a first compartment containing an elastic fluid engine, a second compartment for the operation and control of the vehicle, and a third compartment interposed between the first and second compartments and containing means for condensing the elastic fluid,

such means comprising heat exchangers disposed along opposite walls of the compartment, inlets for air in such walls, an outlet for air in the roof of the compartment, a blower arranged adjacent



to the outlet for forcing air through the compartment, and a reservoir for condensate in the floor of the compartment, there being a free passageway through the third compartment between the first and second compartments.

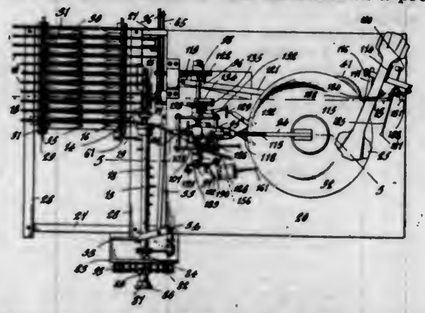
2,205,267
BILLFOLD
Robert N. Lupfer, Springfield, Ohio, assignor to The Springfield Leather Products Company, Springfield, Ohio, a corporation of Ohio
Application January 12, 1939, Serial No. 250,595
3 Claims. (Cl. 150—39)



1. In combination, in a billfold, means forming a pocket, a U-shaped member mounted in said pocket attached at its ends to one wall of said pocket and free intermediate its ends of the wall of the pocket, a telescopic member slidably mounted in said pocket between said U-shaped member and a wall of the pocket, and a transverse rod mounted on the inner end of said telescopic member having its ends slidably mounted between the leg portions of said U-shaped member and the other wall of said pocket.

2,205,268
AUTOMATIC PHONOGRAPH
John R. Mitchell, Dallas, Tex., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application November 3, 1938, Serial No. 238,580
16 Claims. (Cl. 274—10)

12. In an automatic phonograph, a turntable, a record magazine disposed at one side of the turntable for supporting a plurality of records on edge and adjustable horizontally to bring one or another of the records to a selective position relative to the turntable, means tending constantly to urge said magazine in one direction, selective means for arresting the movement of the magazine in such direction to bring the selected record to its proper selective position relative to the turntable, said selective means including a plurality of push buttons corresponding in number to the records and operable at the will of the user to select one or more records for play, a rotatable selector shaft disposed parallel to the course of movement of the magazine and having stop pins thereon, one for each record, disposed at predetermined intervals longitudinally thereof, the selective movements of said shaft being controlled by said push buttons, means for intermittently rotating the selector shaft, a member on said magazine engageable with one or another of said stop pins when the magazine is moved in one direction for arresting the movement of the magazine in accordance with the record selected, said member being inactive to arrest said magazine when the latter is moved in the reverse direction, clutch-controlled means for governing the movement of the magazine in such reverse direction at a pre-

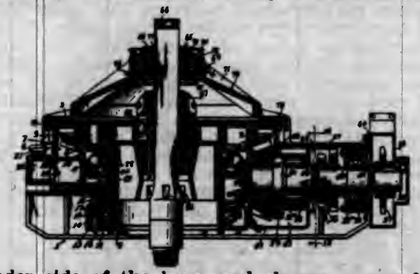


determined time in the cycle of operations of the machine, a combined vertically-swinging and oscillatory record pick-up arm fulcrumed between the turntable and the record magazine and provided at its free end with a coupling member engageable with the axial opening of a record, and means for actuating said pick-up arm in predetermined sequence to swing it into engagement with a record selected for play and then withdraw the record from the magazine and, during such swinging movement, oscillate said arm to present the record to the turntable for play, means for swinging said pick-up arm vertically from a normal position over the turntable to an operable record-engaging position with the magazine and vice versa, means for oscillating the pick-up arm at predetermined times during such swinging movements to properly present the record to the turntable and magazine, respectively, and means for actuating the foregoing means.

2,205,269
ROTARY MACHINE
John S. Morgan, Jr., Manhattan Beach, and John D. Spalding, Los Angeles, Calif., assignors, by mesne assignments, to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 1, 1937, Serial No. 128,468
6 Claims. (Cl. 255—23)

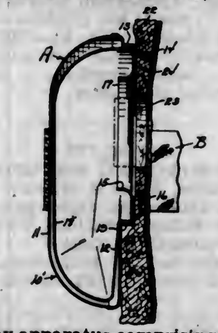
1. In an enclosed type of rotary machine, the combination of a base having an annular channel, a table having an annular gear depending into said channel, bearing means for rotatably supporting the table on the base, drive means for said gear including a shaft having a pinion thereon, an opening for said pinion formed in said base through the bottom of said channel directly below said depending gear, the width of

the opening being sufficient to permit entry of the pinion, means to rotatably support said shaft including a bearing pendently secured to the



under side of the base, and closure means for said base opening adapted to confine lubricant for said pinion and gear.

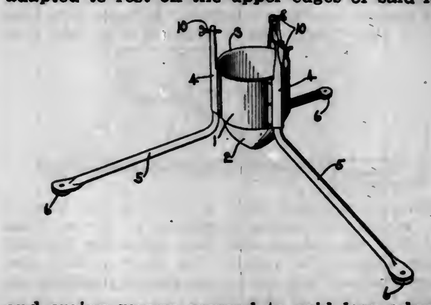
2,205,270
COLOSTOMY CUP
Murle Perry, Minneapolis, Minn.
Application March 20, 1939, Serial No. 263,031
1 Claim. (Cl. 128—283)



A colostomy apparatus comprising a cup having a closed outer wall, an inner wall for said cup having an opening therein said opening being formed with an outwardly projecting neck, a dispensible bag in said cup, the mouth of said bag being placed so as to project through the neck of the cup, an annular cover member for said opening, said cover member being formed with inner and outer circumferential flanges projecting in the same direction, the outer flange being adapted to grip the outer surface of the outwardly projecting neck of the inner wall with the mouth of the dispensible bag adapted to be gripped therebetween, and the inner circumferential flange being smoothly curved inwardly with respect to said cup, a cellulosic pad of absorbent material having an aperture smaller than the opening in the annular member adapted to be disposed with said aperture in registry with said opening and between the annular member and the body of the wearer, and means adapted to hold said assembly on the body of the wearer.

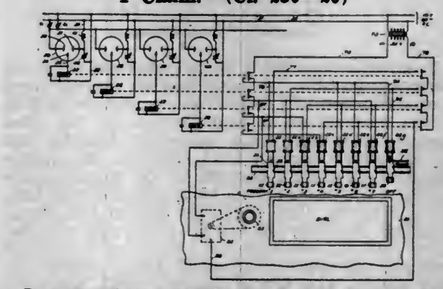
2,205,271
TREE HOLDER
Walter H. Pleiss, Ludington, Mich.
Application January 18, 1939, Serial No. 251,536
3 Claims. (Cl. 248—44)

3. A device of the class described comprising, a cup having an outturned lip around the upper edge thereof, a plurality of V-shaped sockets secured in spaced relation around the outer side thereof, a plurality of V-shaped supporting legs adapted to be received in said sockets, said lip adapted to rest on the upper edges of said legs,



and spring means secured to said legs adapted to contact the outer side of said cup to thereby yieldably hold said legs in said sockets.

2,205,272
REMOTELY CONTROLLED RADIO RECEIVING SYSTEM
Winfred T. Powell, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application June 11, 1938, Serial No. 213,241
1 Claim. (Cl. 250—20)

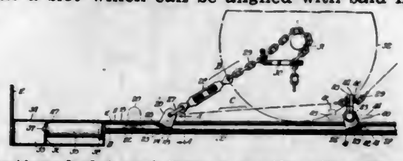


In a remotely controlled radio receiving system, a radio receiver selectably tunable to a plurality of broadcast programs, a plurality of keys, means interlocking said keys whereby the operation of a given key latches it in operated condition and unlatches a previously operated key, one of said keys serving to turn the radio receiver on and off and each of the remaining keys serving to tune said radio receiver, when turned on, to a particular program, a solenoid individual to each key and having an armature connected to its key for operating the same, line conductors connecting said radio receiver to a remote point, means including an oscillator and interlocking keys at said remote point corresponding in number to the keys at said radio receiver for selectively applying to said conductors, currents in different combinations of frequency and phase, one of said keys at said remote point serving to turn said oscillator on and off, and means including arc discharge devices selectively responsive to said currents for selectively operating said solenoids.

2,205,273
ADJUSTABLE TIE DOWN
Charles R. Radey, Michigan City, Ind.
Application February 24, 1939, Serial No. 258,269
17 Claims. (Cl. 105—368)

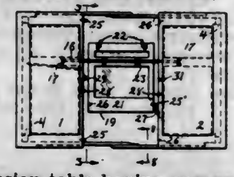
1. The combination of a freight car having a

slot in the floor thereof, a pocket adjacent one end of said slot, a flexible tie down member having an anchor shoe adjustable along said slot and said pocket having a rotatable housing provided with a slot which can be aligned with said first



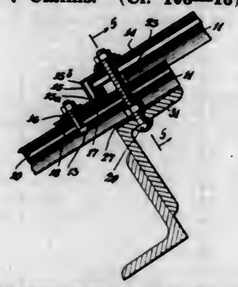
mentioned slot and form a continuation thereof into which the anchor shoe can be moved from said first mentioned slot, said rotatable housing being adapted to receive the anchor shoe and move said anchor shoe to a stored position beneath the floor of the car.

2,205,274
EXTENSION TABLE
William C. Rastetter, Fort Wayne, Ind.
Application May 12, 1938, Serial No. 207,554
1 Claim. (Cl. 311—42)



In an extension table having opposed main top sections separable for the reception therebetween of an extension leaf, side frame members secured to the underfaces of said sections at the sides thereof, each having an undercut shoulder and an extending portion that overlaps the corresponding extending portion of the adjacent side member, the outer end of each side member having a slanting face that fits behind the corresponding shoulder on the adjacent side member when said top sections are moved to contracted position, whereby the adjacent side members are held snugly and firmly together with their exposed outer faces flush, and means to lock said top sections together when in contracted position.

2,205,275
ASSEMBLED STRUCTURE
Caleb Ringle, Jersey City, N. J.
Application March 9, 1939, Serial No. 260,732
7 Claims. (Cl. 108—16)

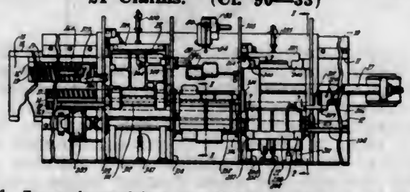


1. A roof comprising, in combination, purlins, a plurality of rows of rigid roof sheets in which each row of sheets except the highest overlaps and underlies the next higher row at a purlin and in which the sheets of each row are slightly spaced, a plurality of rigid inner strips underlying the spaces between the sheets of each row and each extending from one purlin to an adjacent purlin, means securing the upper ends of the inner strips to the purlins, each of said inner strips being of substantially the same length as the two spaced sheets which it underlies, upwardly extending bolts secured to each of said inner strips and held against rotation thereby during assembly in the spaces between the sheets which the inner strips underlie, a plurality of batten strips overlying the spaces between the shects of each row and through which said bolts extend, and means connected to each inner strip adjacent its upper end and adjacent overlapping sheets for preventing downward endwise movement of the sheets of the next higher row of the overlapping sheets before and after the battens which overlie the sheets of the said higher row are applied.

2,205,276
ABRASIVE ARTICLE
Norman P. Robie, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application February 11, 1937, Serial No. 125,285
8 Claims. (Cl. 51—280)

1. An abrasive article comprising abrasive grains and a bond comprising a partial acetal of a polymerized vinyl ester.

2,205,277
BROACHING MACHINE
Millard Romaine, Amos H. Hawley, and Herman Horlacher, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application October 27, 1937, Serial No. 171,372
21 Claims. (Cl. 90—33)

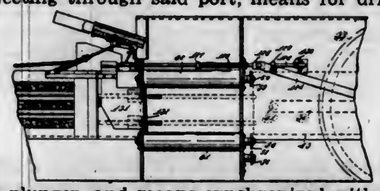


1. In a broaching machine having a surface broaching tool and a swinging work fixture movable from a loading position to a cutting position, the combination of resiliently operable work clamping means carried by the fixture and operable to secure a work piece in position in the fixture during the broaching operation, and means responsive to movement of the fixture to a loading position for compressing said resiliently operable means and thereby releasing the work.

2,205,278
BALING MACHINE FEEDER
Stanley Russell, Racine, Wis., assignor, by mesne assignments, to The Ohio Cultivator Company
Original application October 15, 1936, Serial No. 105,650. Divided and this application December 8, 1938, Serial No. 244,558
3 Claims. (Cl. 100—25)

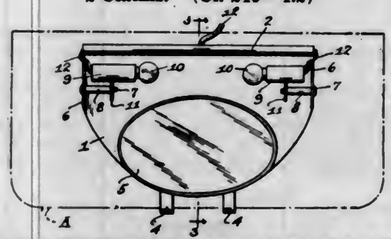
1. In a baler, a baling chamber formed with a port in one wall thereof, a plunger mounted for reciprocation in said chamber past said port, a knife blade fixedly secured adjacent the edge of said port farthest removed from the limit of

the retractive stroke of said plunger and cooperable with said plunger, upon compressing movement of the latter, to sever any material projecting through said port, means for driving



said plunger, and means synchronized with said plunger and driven by said plunger driving means for clearing severed material away from proximity to the knife-carrying edge of said port.

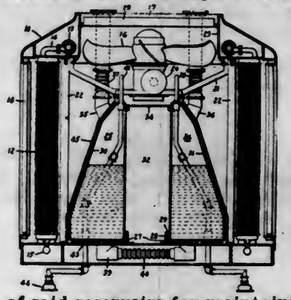
2,205,279
ILLUMINATED MIRROR
Earl F. Wesson, Tucson, Ariz.
Application October 5, 1938, Serial No. 233,438
2 Claims. (Cl. 240—4.2)



1. An attachment for a sun visor of a vehicle comprising a plate, means for detachably mounting said plate against the rear surface of a visor, a mirror carried by said plate and covering the lower portion thereof, portions of the plate above said mirror being exposed and constituting a reflecting surface, the upper end portion of said plate being curved outwardly and downwardly and constituting a reflector, ears extending outwardly from opposite side edges of said plate below said reflector, horizontal bolts carried by said ears and extending inwardly therefrom in spaced and overlying relation to said plate, sockets extending horizontally under said reflector and provided with mounting arms having threaded openings receiving threaded inner end portions of said bolts, spacing sleeves fitting about said bolts between said ears and the arms of said sockets, and bulbs carried by said sockets and projecting from inner ends thereof between the mirror and the reflector.

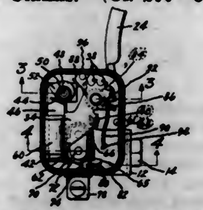
2,205,280
LOCOMOTIVE VEHICLE
Basil S. Cain, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 1, 1938, Serial No. 232,845
2 Claims. (Cl. 105—38)

1. In a motor vehicle, a heat exchanger compartment, air cooled surface heat exchangers arranged in said compartment, inlet and outlet openings for cooling air in said compartment, a blower arranged adjacent the outlet opening for drawing cooling air through said heat exchangers, means including a pair of spaced apart liquid storage reservoirs defining parts of air passageways between said heat exchangers and said blower and an enclosed passageway partly formed by the spaced-apart reservoirs through said compartment, means resiliently supporting the reservoirs in the compartment, and resilient conduit means communicating between the lower



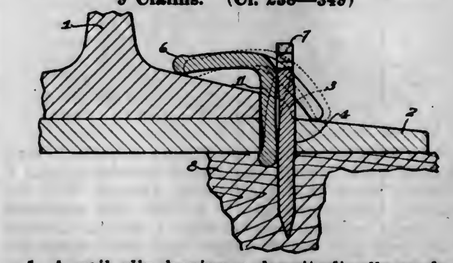
portions of said reservoirs for maintaining a substantially equal distribution of liquid therein.

2,205,281
AIR OPERATED SWITCH
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 19, 1937, Serial No. 175,425
9 Claims. (Cl. 200—81)



1. An air operated switch comprising in combination, an oscillatable shaft, an arm driven by the shaft and carrying a movable contact, means providing a relatively fixed contact in cooperable relation therewith, said shaft and arm being spring urged to contact closed position, magnet means for pulling upon the arm when the contacts are in closed relation, and an extension of said arm adapted to be attracted by the magnet means when the contacts are in wide open relation.

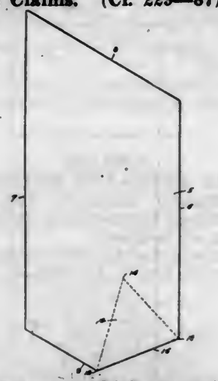
2,205,282
RAIL FASTENER
Nicholas Di Fatta, Oakmont, Pa., assignor to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania
Application June 6, 1939, Serial No. 277,655
9 Claims. (Cl. 238—349)



1. A rail clip having a longitudinally arched resilient body of substantially the same thickness from end to end and with ends adapted to engage a tie plate and a rail base flange, the portion of said body adjacent the tie plate being provided

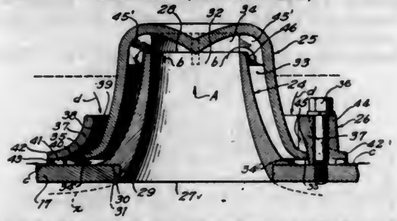
with an upwardly extending slot adapted to receive a fastening member, and a depending tongue at the upper end of the slot adapted to project entirely through a hole in the tie plate, the lower end of the tongue being curved away from said slot for engaging the edge of the tie plate at the bottom of said hole.

2,205,283
COIN WRAPPER
Clement Lee Downey, Cincinnati, Ohio
Application November 21, 1938, Serial No. 241,589
4 Claims. (Cl. 229—87)



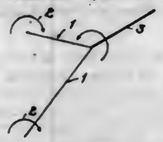
1. A coin wrapper which comprises an elongated sheet of material rolled to cylindrical formation with one end of the sheet disposed without, and the opposite end of the sheet disposed helically within, the cylindrical formation, said helically disposed end being folded upon itself to present a smooth creased edge interiorly of the cylindrical formation, which offers a minimum of resistance to delivery of coins into the cylindrical wrapper, the flap resulting from the fold being disposed between adjacent inner convolutions of the cylindrically wound sheet.

2,205,284
MEANS OF COMMINGLING FLUIDS
William R. Eckart, San Marino, Calif., assignor to C. F. Braun & Co., Alhambra, Calif., a corporation of California
Application May 16, 1938, Serial No. 208,202
7 Claims. (Cl. 261—114)



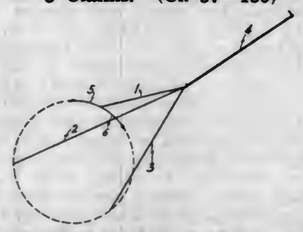
1. A bubble column comprising a shell, a tray therein upon which liquid may accumulate to a desired level, said tray being formed with an opening therethrough, a bubble cap mounted over said opening formed with a central tubular riser through which a gas may flow upwardly and circumscribed by a cap spaced from the tubular riser and through which said gas may flow downwardly and be projected outwardly in a path of travel substantially parallel to the plane of the upper surface of the tray and beneath the body of liquid accumulated thereon, the passageway within the bubble cap and through which the gas flows being progressively constricted in sectional area and an eduction ring circumscribing the bubble cap in the area of gas discharged therefrom, said ring providing a throat through which the accumulated liquids upon the tray may be drawn by the discharging gas and commingled therewith.

2,205,285
CORD AND METHOD OF MAKING SAME
James E. Farrell, Boylston, Ala., assignor to West Boylston M'f'g. Company of Alabama, a corporation of Alabama
Application March 2, 1939, Serial No. 259,316
12 Claims. (Cl. 57—139)



1. The method set forth, which consists in utilizing the predominant natural twist of cotton fibres to form a substantially neutral spun yarn, twisting together a plurality of such substantially neutral spun yarns into a ply yarn with the same direction of twist as that of such spun yarns, and then cabling the ply yarns so formed into a substantially neutral cord, substantially as set forth.

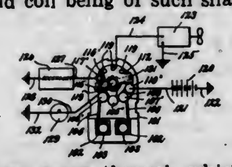
2,205,286
METHOD OF MAKING COTTON SPUN YARN
James E. Farrell, Boylston, Ala., assignor to West Boylston Mfg. Company of Alabama, a corporation of Alabama
Application November 15, 1939, Serial No. 304,465
5 Claims. (Cl. 57—156)



1. The method set forth which consists in selecting a cotton the fibres of which have a substantial excess of natural spirality in one direction, then spinning such fibres together into a spun yarn with such direction of twisting and to such extent that while the spun yarn has been given and shows a definite number of twists per unit of length a substantial portion of the twisting has merely pulled out such excess and only the remainder of the twisting has elongated the fibres.

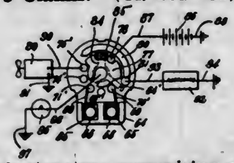
2,205,287
CONTROL RHEOSTAT UNIT
Oscar H. Hasselbaum, Boston, Mass., assignor to Joseph Pollak Corporation, Dorchester, Mass., a corporation of Massachusetts, and Aetna Motor Products Corporation, Dorchester, Mass., a corporation of Massachusetts
Application September 7, 1938, Serial No. 228,783
8 Claims. (Cl. 201—48)

8. A control rheostat comprising a body of refractory insulating material having substantially parallel upper and lower faces, the thickness of said body between said faces being substantially less than the maximum dimension of said faces, an opening extending substantially at right angles to said face and entirely through said body at a predetermined position thereon, a coil of resistance wire mounted in said opening, said opening and coil being of such shape as to pro-



vide an open space through which cooling air may circulate around said coil through said opening, a plurality of switch contacts mounted on said body on one of said faces displaced substantially from said coil and connected to spaced points on said coil, and a movable switch arm overlying and movable into various contact positions with said contacts, said contacts being out of substantial heat transfer relation with respect to said coil.

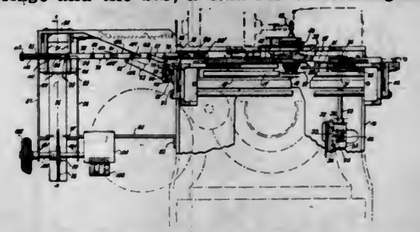
2,205,288
CONTROL RHEOSTAT
Oscar H. Hasselbaum, Boston, Mass., assignor to Joseph Pollak Corporation, Dorchester, Mass., a corporation of Massachusetts, and Aetna Motor Products Corporation, Dorchester, Mass., a corporation of Massachusetts
Application September 7, 1938, Serial No. 228,785
8 Claims. (Cl. 201—48)



1. A switch structure comprising a body of insulation having a flat face, a resistance mounted on said body, a plurality of contacts electrically connected to spaced points on said resistance and mounted on said face and arcuately disposed thereon, a plurality of arcuate contacts concentrically disposed with respect to said contacts also mounted on said face, three terminals connected respectively to said resistance and to each of said arcuate contacts for establishing an external electrical connection to said resistance and to each of said arcuate contacts, a multiple-legged switch arm overlying said contacts and rotatable in a plane parallel to said face around the center of said contacts as an axis, the legs of said switch arm being displaced from each other in the plane of actuation to such a degree with respect to said contacts that simultaneous connections are made to one of said first-named contacts and to each of said arcuate contacts in each position of the switch except for the "off" position.

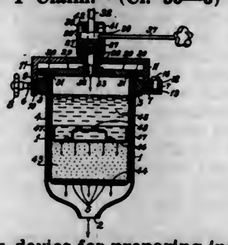
2,205,289
LINE JUSTIFIER FOR KEY OPERATED PRINTING MACHINES
Walter J. Hausman, Washington, D. C., assignor to Burnell Machine Company, Incorporated, Wilmington, Del., a corporation of Delaware
Application September 15, 1938, Serial No. 230,103
10 Claims. (Cl. 197—84)

1. In a key operated printing machine, a traveling carriage, escapement mechanism including a bar which is advanced step by step in response to actuation of the printing keys, a cam controlled element movably mounted on the carriage, means for connecting said element to said bar to cause movements of said element to effect relative longitudinal adjustments between the carriage and the bar, a cam for controlling the



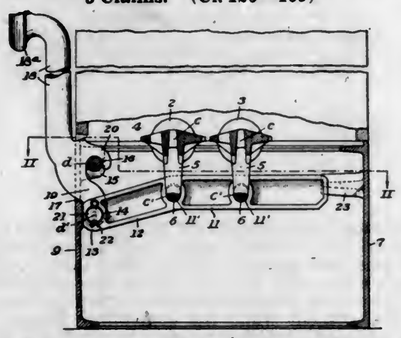
movements of said element having an active surface which is divided into relatively adjustable sections, and means for adjusting said sections relative to each other to cause the controlling action of one of said sections to effect movement of the element while the controlling actions of the remaining sections result in retaining said element against movement.

2,205,290
INFUSION STRAINER DEVICE
Juan Hernández Herrerá, Habana, Cuba
Application September 29, 1938, Serial No. 232,457
In Cuba September 13, 1938
1 Claim. (Cl. 53—3)



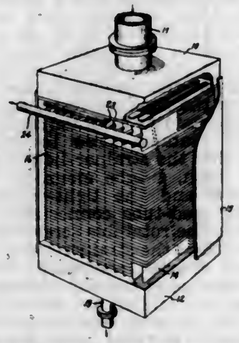
A strainer-device for preparing infusions, comprising a proper strainer-vessel having a capacity sufficient to contain a charge of vegetable material on the lower portion thereof and a charge of hot water on the top portion thereof, both charges being separated by a perforated disc, a cover surrounding and holding the strainer-vessel interiorly thereof and having a discharge aperture at its pointed bottom, a strainer-holder on which the cover is so mounted as to move pivotally about a vertical pivot at one of the ends of a diameter and a detachable fastening at the other end of the same diameter, a screw rotatably mounted on the strainer-holder, a tight-sealing cap for the strainer-vessel and which is secured to said rotatably mounted screw, a handle joined to the rotatable screw to operate it, a support on which the strainer-holder is fixed in depending position, a tube mounted across the rotatable screw and the tight-sealing cap, a compressed-air feed-tube connected to the latter tube outside the rotatable screw for injecting compressed air into the strainer-vessel and force the hot water therein contained through the lower vegetable charge thereby effecting the infusion by pressure, and an air outlet-tube which is provided with a valve and connected to the tube mentioned in the first place above the connection of the latter with the compressed-air feed-tube.

2,205,291
GRATE SHAKING MECHANISM FOR FUEL BURNING APPARATUS
Carl H. Holmes, Johnstown, and George F. Geis, Westmont Borough, Pa., assignors to National Radiator Corporation, Johnstown, Pa., a corporation of Maryland
Application July 27, 1937, Serial No. 155,846
5 Claims. (Cl. 126—169)



1. Fuel-burning apparatus comprising an enclosing structure having a base and having tiltable grates, each grate being provided with an operating crank thereon, said base having a slotted front panel and having a bearing pin on the interior thereof adjacent the slot, an operating lever having an exposed upper portion accessible at the exterior of the structure and having an offset lower portion which projects through the slot and has an offset bearing intermediate the ends of the lever to engage said bearing pin, the lever having a lower terminal portion below the bearing, a grate-operating bar pivotally hung from said terminal portion of the lever and from the operating cranks on the grate, the cranks having pins thereon which pass through the bar, and an abutment on the interior of the base to prevent lateral displacement of the bar and prevent the bar from accidentally becoming disengaged from said pins.

2,205,292
HEAT EXCHANGER UNIT
Alan Howard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 5, 1939, Serial No. 249,458
9 Claims. (Cl. 257—36)



1. A surface cooled condenser unit comprising an upper inlet header for elastic fluid to be condensed, a lower outlet header for condensate, a plurality of relatively wide flat tubes communicating between said headers, a partition angularly arranged in each of said tubes forming two passages therein, the first passage having an opening into said upper header of a width substantially equal to the width of said tube, said first passage decreasing progressively in cross-sectional area downwardly, the opening of said first passage into said lower header being substantially one-half of the width of said tube, the second passage having an opening into said lower header of a width substantially equal to one-half of said tube width and decreasing progressively in cross-sectional area upwardly, the upper end of said second passage being closed, and a connection communicating with the closed upper end of said second passage for withdrawing noncondensables therefrom.

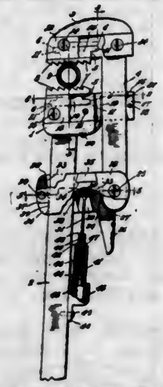
2,205,293
RAILWAY TRACK TORPEDO
George B. Jackson, Orlando, Fla.
Application August 27, 1938, Serial No. 227,173
2 Claims. (Cl. 246—487)



1. A railway track torpedo comprising a body of explosive composition and a tubular envelope of metal foil, said envelope materially exceeding the explosive body in both the axial and perimetral dimensions, said axial excess providing at each end of said body an extended portion of metal for securing the torpedo to the rail, and the said perimetral excess being folded on itself to provide at one side of the envelope a longitudinal strap of several thicknesses of the foil, said explosive body except in the area of said strap being embraced by a single thickness of the foil, and said thickness being sufficiently small to preclude danger from flying fragments of said foil when the torpedo is exploded, and said perimetral excess being sufficiently great to afford a strap not materially exceeding 20% of the perimetral dimension of the tube in width and containing at least four thicknesses of the foil.

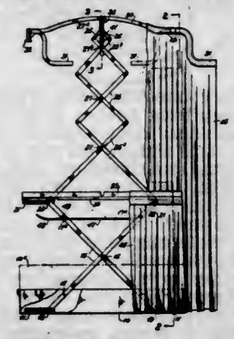
2,205,294
WRENCH
Raymond B. Johnson, Houston, Tex., assignor of three-fourths to John Kraker, Gladewater, Tex.
Application June 27, 1938, Serial No. 216,122
2 Claims. (Cl. 81—152)

1. In a wrench, a stationary jaw, a handle extending rearwardly from said jaw, a movable jaw, a shank extending rearwardly from the movable jaw, a clutch pivoted to said shank and loosely fitting about said handle and being movable into position to grip the handle by force exerted forwardly upon the movable jaw, and yieldable means for exerting rearward pull upon the clutch consisting of a stem pivoted to said clutch below its pivotal mounting and extending rearwardly therefrom, a spring about said stem, an inner casing about said spring engaging the forward end of the spring and having an outstanding abutment at its rear end, an outer spring about said casing bearing against said abutment, an outer casing loose about the inner casing engaging the front end of the outer spring, and a



socket carried by said handle and detachably engaged by the rear end of the outer casing.

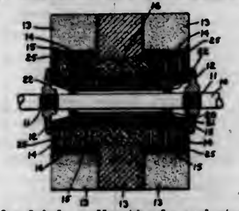
2,205,295
COLLAPSIBLE CATAFALQUE
Morris Lange, Cleveland Heights, Ohio, assignor to Superior Funeral Supply Corp.
Application May 24, 1939, Serial No. 275,413
12 Claims. (Cl. 27—1)



1. A collapsible catafalque comprising in combination, a base member, a primary support member having an extension means thereon receivable by the base member, a secondary support member having an extension means thereon receivable by the base member and connected to the primary member, and curtains mounted on the support members and receivable by the base member, the said support members and curtains being extendable from the said base member.

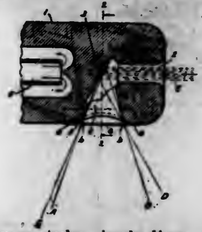
2,205,296
PULPSTONE
Carl L. Leafe, Hamilton, Ontario, Canada, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 2, 1939, Serial No. 259,401
1 Claim. (Cl. 51—207)

A pulpstone assembly comprising a central shaft, threaded portions on said shaft, internally threaded flanges screwed onto said threaded portions, a pulpstone between said flanges comprising a hollow generally cylindrical concrete center portion, a plurality of abrasive segments surrounding said concrete center portion, means securing said bonded abrasive segments to said concrete center portion, there being a gap in a radial direction between the segments and the peripheries of the flanges, and a plurality of protective abrasive plates embedded in the concrete whose surfaces are substantially in radial



planes, and which collectively substantially cover the gap between the flanges and the bonded abrasive segments, constituting protective devices for the concrete and capable of grinding any wood splinters that approach the axis of the stone.

2,205,297
X-RAY TUBE
Kurt Lenz, Berlin-Lichterfelde, Germany, assignor to General Electric Company, a corporation of New York
Application July 21, 1939, Serial No. 285,816
In Germany July 23, 1938
3 Claims. (Cl. 250—147)

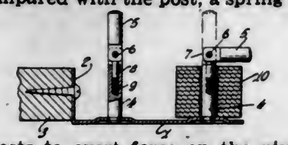


1. An X-ray tube including a cathode, an anode having an open ended channel directed toward said cathode, an X-ray-producing target positioned within said anode at the inner extremity of said channel, a second channel extending from the vicinity of said target toward the exterior of the anode in a direction of desired X-ray emission and a window arrangement for preventing the escape of electrons through said second channel, said window arrangement comprising a relatively thin foil of a refractory metal having a melting temperature materially above that of the material of which the main body of the anode is constituted and at least on the order of 2,000 degrees centigrade, whereby the foil may be heated to a temperature of effective heat radiation without vaporization thereof, the said foil being joined at its outer edges to the main body of the anode so as to close the outer end of the channel, and means physically spaced from the foil for shielding a perimetrically extending portion thereof from the impact of electrons, thereby to prevent such portion of the foil from attaining a temperature in excess of the melting point of the anode material and thus producing vaporization of the contiguous parts of the anode structure.

2,205,298
MONEY RACK
Theodor Lindner, New York, N. Y.
Application November 2, 1938, Serial No. 238,434
1 Claim. (Cl. 133—11)

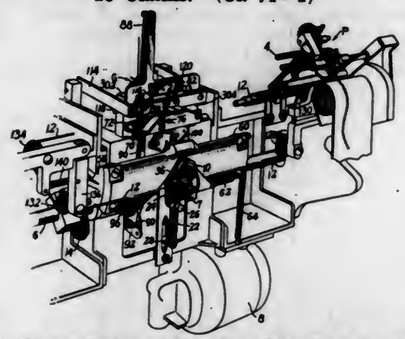
A plate to be secured to a game rack, a plu-

rality of posts rising therefrom and at their ends pivotally bearing an extension of relatively minor length compared with the post, a spring mounted



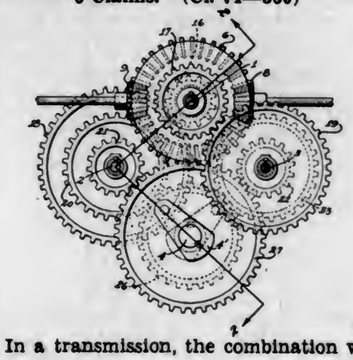
on the posts to exert force on the pivoted extension at selected positions, the extensions being of such minor length as to avoid extending into the radius of adjacent post extensions.

2,205,299
MEASURING AND RECORDING INSTRUMENT
Waldron Shapleigh MacDonald and Webster W. Frymoyer, Foxboro, Mass., assignors to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application July 30, 1937, Serial No. 156,494
18 Claims. (Cl. 74—1)



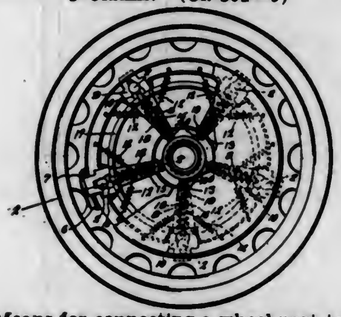
1. In apparatus of the class described, in combination, positionable means, operating means for periodically positioning said positionable means, feeler means movable simultaneously with said positionable means for releasing said positionable means from the operating means when said feeler means reaches a predetermined position.

2,205,300
POWER TRANSMISSION
John W. Marsh, Alexandria, Va., assignor to Magee-Marsh Corporation, a corporation of Delaware
Application May 15, 1937, Serial No. 142,897
6 Claims. (Cl. 74—360)



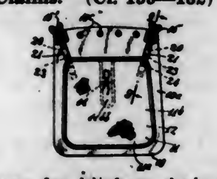
1. In a transmission, the combination with an input main power drive and a driven member, of a series of supplemental power drives therebetween, a pair of main clutches for alternately connecting and disconnecting said main drive to any one of the supplemental drives, fluid pressure means for simultaneously operating said main clutches, clutches for selective change speeds associated with said supplemental drives, fluid pressure means for operating said last mentioned clutches, and mechanical means for coordinating the respective fluid pressure actuating means.

2,205,301
DETACHABLE VEHICLE WHEEL
Charles H. Martin, Argos, Ind., assignor, by direct and mesne assignments, of one-half to H. L. Ludwig and Son, Inc., a corporation of Florida
Application August 16, 1939, Serial No. 290,517
5 Claims. (Cl. 301—9)



1. Means for connecting a wheel part to a carrying part comprising headed studs on the carrying part, each head having oppositely arranged slots therein, arms slidably carried by the wheel part and having substantially keyhole shaped openings therein, the large parts of which are of greater area than the area of the heads of the studs, with the small parts of the openings having their side walls engaging the slots, when the arms are moved inwardly, a handle member, and means, including spring means, for connecting the handle member with the inner ends of the arms for moving the arms outwardly, when the handle member is moved outwardly, to release the arms from the studs and when the handle member is moved inwardly the arms are moved inwardly to cause the small parts of the openings to engage the slots of the heads of the studs.

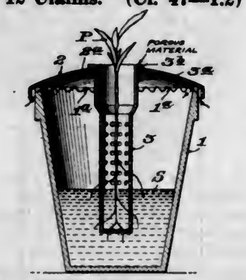
2,205,302
SLIP COVER FOR KITCHEN CHAIR PADS
Morris Morgenstern, Brooklyn, N. Y.
Application May 4, 1939, Serial No. 271,643
3 Claims. (Cl. 155—182)



1. A slip cover for kitchen chair pads, comprising a top layer of cloth material and a bottom layer of cloth material secured together along their front and side edges to form a casing having its back edge open, said bottom layer being formed with a slit extending inwards from

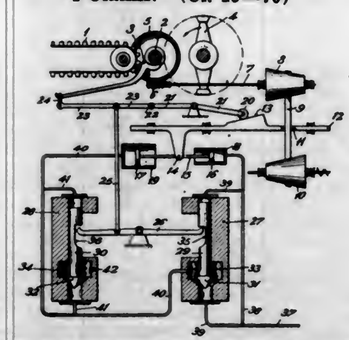
the rear edge thereof, means for closing said slit, means for closing said open back edge, a pair of stiff members adjustably mounted on said casing and projecting from the rear edge thereof, and tie strings attached to the extended ends of said stiff members and engageable on the back of said chair for securing said casing in position thereon.

2,205,303
FLOWERPOT FOR WATER-CULTURED PLANTS
William P. Munsell, Coral Gables, Fla.
Application June 9, 1938, Serial No. 212,814
Renewed May 3, 1940
12 Claims. (Cl. 47—1.2)



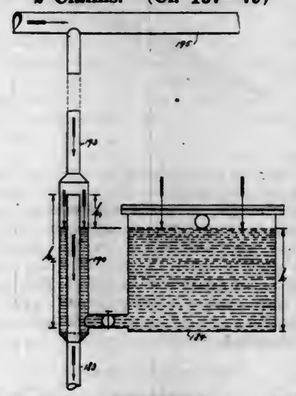
1. A flowerpot or tank for water-cultured plants comprising a receptacle adapted to hold a nutrient solution; a cover providing an air space in the receptacle above the solution level; means for admitting air into said space while excluding light therefrom; and one or more perforated members mounted in the cover and extending down into the solution and adapted to support the entwined roots of plants.

2,205,304
DEVICE FOR REGULATING THE FEED TO MACHINES FOR TREATING FIBROUS MATERIAL
Fritz Mutter, Winterthur, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland
Application August 16, 1938, Serial No. 225,234
In Germany September 18, 1937
4 Claims. (Cl. 19—70)



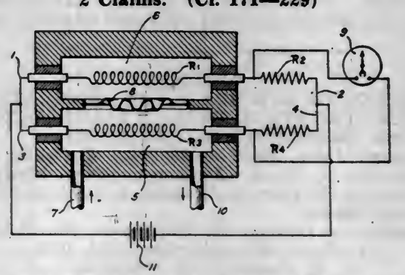
4. A regulator for regulating the drive of feeding devices for supplying fibrous material at a uniform rate to a machine for opening same, comprising means for feeding a continuous layer of material toward the opening machine, drive means for said feeding means having speed varying means, means for continuously measuring the quantity of material being fed by gauging the thickness of said layer, a source of fluid under pressure, motor means having pistons provided respectively with oppositely acting piston faces, means connecting said piston faces together so as to mutually influence each other, means connecting said piston means with the speed varying means of the drive means, the actuating influence of one of said pistons on the drive means being greater than that of the other, valve means for controlling communication between said one piston and the pressure fluid supply source and with the atmosphere, said other piston being constantly connected with said pressure source, and means connecting the gauging means with the valve means to control actuation of said piston means to adjust said driving means in accordance with the thickness of said layer of material to increase the speed of drive when the layer is thinner and to decrease said speed when the layer is thicker.

2,205,305
PREVENTION OF REVERSE FLOW IN WATER SUPPLY SYSTEMS
Louis Irving Northon, Washington, D. C.
Application April 16, 1937, Serial No. 137,232
2 Claims. (Cl. 137—79)



1. A receptacle, a conduit for supplying liquid to said receptacle and having an open end extending above said receptacle, a shell surrounding and spaced from said open end, means for venting said shell to the atmosphere, and means for connecting said receptacle to said shell with said open end above the normal liquid line in said receptacle.

2,205,306
ELECTRICAL APPARATUS
Dimitry E. Olshevsky, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application January 26, 1938, Serial No. 187,071
2 Claims. (Cl. 171—229)



1. In a Wheatstone bridge, a plurality of re-

sistance elements, having different reactions to temperature changes, but each being related to the others in such manner as to satisfy the following equations:

$$R_1A_1+R_2A_2=0$$
$$R_3A_3+R_4A_4=0$$

wherein characters R_1, R_2, R_3 and R_4 represent the resistance values of the elements constituting the four arms of the bridge, and wherein characters A_1, A_2, A_3 and A_4 represent the respective thermal coefficients, said resistance elements being further inter-related in such manner that the voltage across the mid-points of the bridge remains substantially constant.

2,205,307
ROOFING
Hugh Lucas Parsons, Pen Argyl, Pa.
Application February 20, 1939, Serial No. 257,515
3 Claims. (Cl. 108—9)



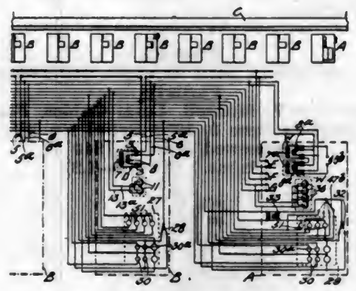
1. In a roof, a supporting structure, a plurality of courses of overlapping slate laid on said supporting structure, a strip of roofing felt lying underneath each course of slate, a tapered cant strip lying underneath the roofing felt adjacent the upper end of each course of slate, and sealing material between the butts of the cant strips and the slate courses therebelow and between the overlapping margins of the roofing felt and the slate courses.

2,205,308
ELECTRICAL RESISTOR
Marcello Pirani, Wembley, England, assignor to General Electric Company, a corporation of New York
No Drawing. Application July 26, 1938, Serial No. 221,397. In Great Britain July 26, 1937
3 Claims. (Cl. 201—76)

1. The method of making an electrical resistor which comprises preparing a mixture of silicon carbide, an inorganic siliceous binder and an organic binder, shaping the resulting mass, and firing the shaped mass within a temperature range of 1200° to 1800° C. in a non-oxidizing atmosphere to decompose the organic binder and to form a mechanically strong ceramic mass having carbon particles dispersed therethrough.

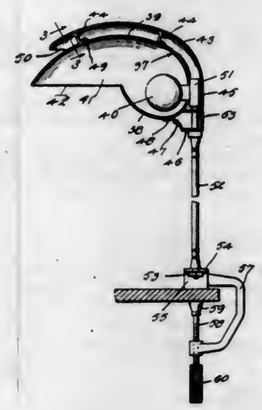
2,205,309
METHOD OF AND MEANS FOR CALIBRATING ELECTRICITY METERS OR LIKE ELECTRICAL MEASURING INSTRUMENTS
Edward John Riordan, London, England, assignor to Aron Electricity Meter Limited, London, England, a company of Great Britain, and himself
Application October 12, 1938, Serial No. 234,686
In Great Britain February 24, 1938
19 Claims. (Cl. 175—183)

1. A method of calibrating watt-hour meters which comprises testing the meter at different loadings and making any calibration adjustment required to bring the meter rotor to a predetermined calibration speed for each loading, characterised by the selection for at least one of the



loadings of a calibration speed which is higher than the normal speed of the fully calibrated meter for that loading so that the making of any calibration adjustment required at the said loading will be facilitated.

2,205,310
COMBINED DIRECT AND INDIRECT LIGHT AND LIGHTING SYSTEM
Hilyard R. Robinson, Washington, D. C., and Aksel J. C. Knudstrup, Vienna, Va.
Application February 7, 1939, Serial No. 255,118
7 Claims. (Cl. 240—81)



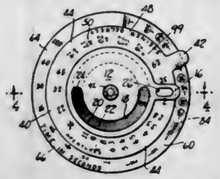
6. A lamp comprising a horizontally disposed elongated reflector substantially of spiral contour in transverse section, said reflector being formed of an upper elongated downwardly directed reflecting portion and a lower upwardly directed reflecting portion of less width than, depending from, and merging at its rear into the rear end of said upper portion, a lamp arranged in the rear end terminal portion of said reflector and disposed within said lower portion, the said upper portion having an opening in the top thereof, curved reflecting means arranged over the said upper portion, said means having an edge portion permanently spaced from the upper surface of the upper portion of the horizontal reflector, means for supporting said horizontal reflector and said curved reflecting means, and means whereby rays of light are projected between the upper surface of the upper horizontal reflector and the edge portion of the curved reflecting means.

2,205,311
TEMPLATE CONSTRUCTION FOR PIPE INSTALLATIONS
Albert Sabatello, Brooklyn, N. Y.
Application December 30, 1939, Serial No. 311,922
6 Claims. (Cl. 33—180)



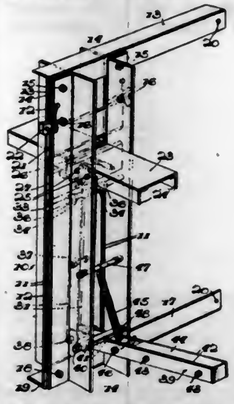
1. In a wire template construction for pipe installations, a template wire, holding means detachably secured to a portion of said wire, a clamping member adjacent another portion of the wire and containing therein an elongated slotted portion in intersecting relation to said wire, and securing means extending through said slotted portion and in engagement with said wire for holding it in fixed relation with said clamping member.

2,205,312
EXPOSURE METER
Harry Schwartzmann, New York, N. Y., assignor to Fink-Roselieve Co., Inc., New York, N. Y., a corporation of New York
Application July 25, 1939, Serial No. 286,333
6 Claims. (Cl. 88—23)



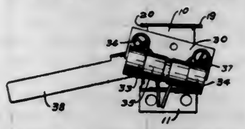
1. A device of the character described comprising a plurality of discs superposed one above the other, and means to rotatably secure the discs together in such relation, the topmost of said discs having thereon a strip of graduated density, another of said discs constructed to permit the passage of light therethrough disposed below the first disc having a plurality of scales thereon, one of said scales defining film sensitivity ratings, the first referred-to disc having an index thereon adapted to cooperate with the film sensitivity rating scale on the second referred-to disc, a third disc below the first two having a plurality of scales thereon defining shutter speeds and general light conditions, and a fourth disc, below the first three, having an index thereon cooperating with one of the scales on the third disc and having a relatively small circular viewing opening therein corresponding in size to the width of the density strip, said third disc having an opening therein through which the graduated density strip of the first disc can be viewed through the opening in the fourth disc.

2,205,313
MACHINE FOR CUTTING BRICK OR THE LIKE
Ray H. Stahl, Springfield, Ohio
Application June 5, 1939, Serial No. 277,543
4 Claims. (Cl. 125—23)



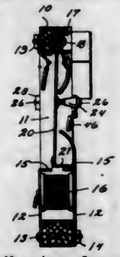
1. In a machine for cutting brick or the like, a vertical supporting frame comprising spaced pairs of angle-irons, the angle-irons in each pair being spaced to provide passages, horizontal angle-irons extending into the passages and attached to the vertical angle-irons and projecting laterally beyond the same for attachment to a stationary support, a table secured to the pairs of angle-irons, a stationary upper blade held within the passages, a vertically movable lower blade operating within the passages, a treddle pivotally connected with the lower end of the supporting frame, a link pivotally connected with the forward end of the treddle, a coupling connected with the link and pivotally connected with the lower blade so that the lower blade may swing vertically with respect to the upper blade.

2,205,314
SWITCH ACTUATING MEANS
Joseph H. Staley, Columbus, Ind.
Application May 20, 1939, Serial No. 274,693
1 Claim. (Cl. 74—97)



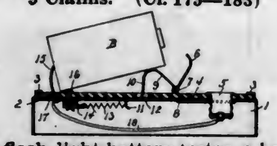
In a snap acting switch mechanism, a U-shaped frame having a web and legs spaced apart and continuing from the web, a lug turned laterally outwardly from each leg from the same side edges thereof, a lug turned laterally inwardly from each opposite edge of the legs, all of said lugs being located substantially the same distance from and in a plane substantially parallel with said web, a U-shaped rocker telescoping with said legs from the edges thereof and rockably engaging the lugs at said same side edges, an operating lever having a V-shaped end telescoping with said legs in opposition to said rocker and rockably engaging the other set of said lugs, a spring tying together said rocker and said lever to pull them against their respectively engaged lugs, one of said legs having rocker stops spaced apart one on each side of and from said lugs thereon.

2,205,315
CURRENT CONVERTING VIBRATOR
Frank J. Stevens and William G. Layson, Jr., Chattanooga, Tenn., assignors to American Lava Corporation, Chattanooga, Tenn., a corporation of Tennessee
Application March 19, 1938, Serial No. 197,000
3 Claims. (Cl. 200—90)



1. An electrical vibrator for current conversion, comprising a one-piece frame of electrical insulating material having a central opening, an electro-magnet comprising a pair of plates mounted upon opposite sides of one end of said frame and having their free ends directed toward each other within said opening to define pole pieces, a vibratory reed recessed into the other end of the frame and located entirely within said opening and having its free end carrying an armature cooperating with said pole pieces, a pair of contacts mounted upon one side of said frame and having free ends extending into said opening adjacent said reed for cooperation therewith upon vibration thereof, and an additional contact mounted upon the other side of said frame and having a free end extending into said opening for cooperation with said reed.

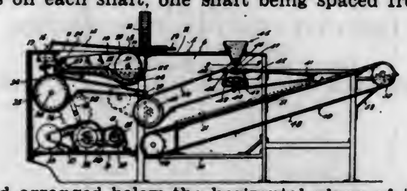
2,205,316
BATTERY TESTER
Edwin T. Stratton, Memphis, Tenn.
Application July 10, 1939, Serial No. 283,706
5 Claims. (Cl. 175—183)



1. In a flash-light battery tester, a base, a light bulb socket on said base, a pair of spaced-apart contact members for engaging the electrical terminals of a battery-to-be-tested, electric circuit connections between each of said contact members and said socket, one of said contact members being pivotally mounted and provided with an offset to be engaged by the side of a battery when the battery is being placed in position for testing to swing said pivoted contact member into engagement with the adjacent battery terminal, and means continuously tending to move said pivoted contact member out of contact with said terminal.

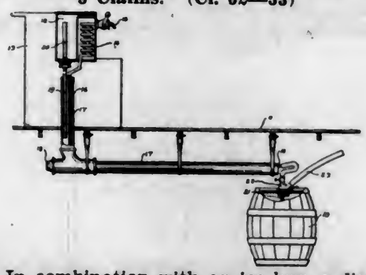
2,205,317
COOKY ICING MACHINE
George Studebaker, Zion, Ill., assignor of one-half to Zion Industries, Inc., Zion, Ill., a corporation
Application January 12, 1938, Serial No. 184,699
1 Claim. (Cl. 91—2)

A cooky coating machine comprising a trough containing coating material, an endless conveyor, rollers for supporting the same, one of the rollers causing a portion of the conveyor to enter the coating material, a hopper, means for feeding the cookies from the hopper upon the upper reach of the conveyor, said trough having its rear end extending well beyond the delivery end of the conveyor and said delivery end of the conveyor being well above the trough, a pair of horizontal shafts spaced apart and arranged above said rear end of the trough, a plurality of small rollers on each shaft, one shaft being spaced from



and arranged below the horizontal plane of the delivery end of the conveyor and the other shaft being arranged below the horizontal plane of said shaft with its rollers extending beyond the rear end of the trough, said small rollers conveying the cookies from the delivery end of the conveyor downwardly and rearwardly over the rear end of the trough, a bar located between the shafts and cooperating with the rollers for turning the cookies and a second conveyor passing under the trough and receiving the cookies from the small rollers.

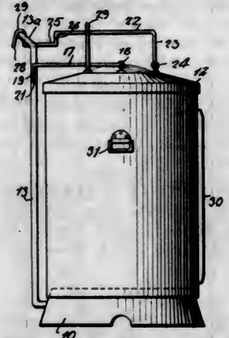
2,205,318
ICE WATER BEER COOLER
Martin E. Sullivan, Indianapolis, Ind., assignor of fifteen per cent to Annie Garrity, and twenty-five per cent to Wilfred Cardis, both of Indianapolis, Ind.
Application March 1, 1940, Serial No. 321,655
3 Claims. (Cl. 62—33)



1. In combination with an ice box, a dispensing faucet, a liquid container, and a liquid conductor pipe leading from the container through said ice box to said faucet, a conductor pipe shield surrounding substantially the major length of said pipe and having an internal diameter greater than the external diameter of the pipe, and a water discharge pipe leading from said ice box to discharge into said shield at the end thereof nearest the box, said shield discharging by its other end over the top end of said container, whereby flow of ice-water is had from said box throughout the length of said shield onto said container.

2,205,319
RECEPTACLE RACK OR STAND
Swaney W. Swanson, Rapid City, S. Dak.
Application September 20, 1938, Serial No. 230,893
Renewed May 9, 1940
3 Claims. (Cl. 248—147)

2. In a receptacle rack, a base, a frame disposed laterally of the base and rising therefrom, said base adapted to have a receptacle supported thereon with the upper end of the receptacle below the upper end of the frame, a cover for the receptacle movably supported on the frame for opening and closing movements relative to the receptacle, the connection between the cover



and frame including a pair of rods pivotally supported at each end on the cover and frame, and an operating handle for the cover pivoted at one end to the cover and said handle having a pair of spaced abutment shoulders selectively engaged with said frame for holding the cover in open or closed position relative to the receptacle.

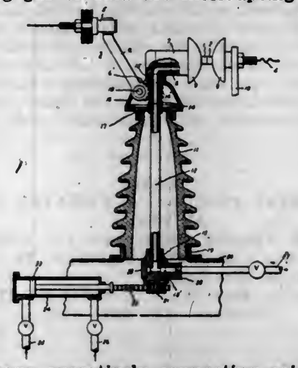
2,205,320
MEASURING DEVICE FOR LUBRICATING SYSTEMS
Percy P. Teal, Norristown, Pa.
Application July 8, 1939, Serial No. 283,513
2 Claims. (Cl. 184—7)



1. A measuring device for pressure lubricating systems, comprising a cylinder, a piston reciprocable axially in said cylinder, a piston rod extending from the rear face of the piston to the atmosphere outside the cylinder through a packing gland in one end of the cylinder, an inlet for lubricant to the cylinder between said gland and said rear face of the piston, a discharge port for the lubricant in the opposite end of the cylinder, a sealing disc in the cylinder between said discharge port and the forward face of the piston, a spring normally holding said disc against the forward face of the piston, and by-passes within the cylinder for displacement of the lubricant past the piston and the sealing disc.

2,205,321
ELECTRIC CIRCUIT BREAKER
Paul Thieme, Berlin-Sudende, Germany, assignor to General Electric Company, a corporation of New York
Application May 4, 1939, Serial No. 271,763
In Germany May 19, 1938
5 Claims. (Cl. 200—148)

1. A gas blast circuit breaker comprising relatively movable contact structure including arc interrupting contacts, a high voltage insulator for supporting a movable element of said structure, said insulator being fixed, an insulating gas supply conduit positioned within said insulator along the longitudinal axis thereof and rotatably mounted with respect to its longitudinal axis, means related to said conduit and communicating with a source of gas pressure for directing gas to said arc interrupting contacts,



and means operatively connecting said conduit to said movable element for operation thereof.

2,205,322
SOLDERLESS WIRE CONNECTOR
George C. Thomas, Jr., Elizabeth, and Martin D. Bergan, Linden, N. J., assignors to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application January 8, 1938, Serial No. 183,934
7 Claims. (Cl. 173—269)



1. A wire connector comprising a sleeve formed from strip material and having the edges of the strip abutting each other, the sleeve forming a wire passage extending axially therein, wire clamping means carried by the sleeve oppositely from the abutting edges thereof and operable in the sleeve to clamp the wire therein, recesses extending through the wall of the sleeve and at least one being located on each side of the abutting edges thereof, a wire seat fitting within the sleeve and over the abutting edges upon which seat the wire to be received within the wire connector may rest, and lugs carried by the wire seat and extending into the recesses, said lugs being deformed to secure the same to the sleeve and to retain the abutting edges against spreading.

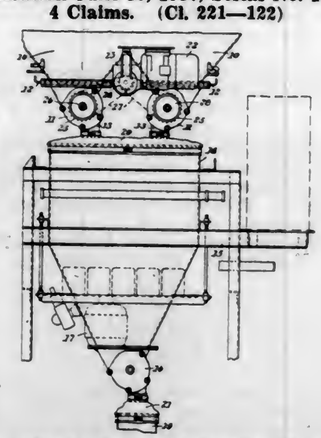
2,205,323
REINFORCED JOINT OR CONNECTION
George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 7, 1938, Serial No. 218,009
20 Claims. (Cl. 189—36)



1. A joint or connection of the class described comprising, in combination, a lightweight sheet metal structure provided with self-maintained means adapted to receive a stud fastening for securing a cooperating part thereto, said structure comprising a substantial panel member or the like having a body portion provided with a flange arranged in spaced relation to the rear-

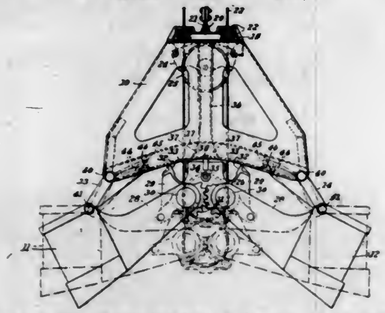
ward side thereof, a channel-shaped retainer disposed between said body portion and flange comprising a sheet metal device having a pair of spaced arms one of which is frictionally engaged by said flange to hold the retainer in applied position on said panel member or the like preparatory to securing said cooperating part thereto, said retainer including means for engaging a stud fastening securing said cooperating part to said member.

2,205,324
MATERIAL-FEEDING APPARATUS AND METHOD
William H. Venable, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application June 30, 1937, Serial No. 151,092
4 Claims. (Cl. 221—122)



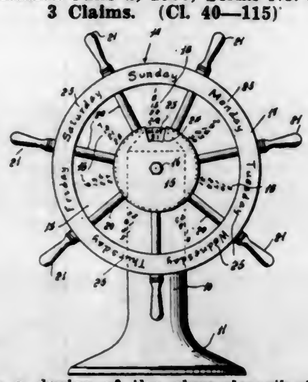
1. In mechanism for apportioning materials into a batch, the combination with a common receptacle and a pair of rotary feeders for charging same, of driving means for said feeders including a reversible motor and automatic clutch mechanism whereby the motor, when turning in one direction, operates one feeder continuously and when the motor turns in the other direction, it operates the other feeder continuously.

2,205,325
CLAMSHELL BUCKET
William Mayo Venable, Pittsburgh, Pa., assignor to Blaw-Knox Company, Blawnox, Pa., a corporation of New Jersey
Application August 18, 1939, Serial No. 290,807
3 Claims. (Cl. 37—188)



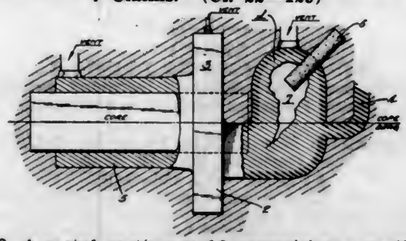
1. In a clamshell bucket, a frame, links pivoted on opposite sides of said frame near the bottom thereof, a pair of scoops, said links being pivoted to said scoops, respectively, a closing block adapted to be raised from below said frame to within said frame, said scoops having arms pivoted to said block, a guide member on said block, guide means within said frame for guiding said block guide member as the block is raised within the frame, and cooperating stop means on said frame and links effective to bring said block guide member into alignment with the frame guide when the pivots connecting the scoops to the links are spread as far as the scoop arms will permit.

2,205,326
PERPETUAL CALENDAR
Violette A. Whyatt, Los Angeles, Calif.
Application June 2, 1938, Serial No. 211,446
3 Claims. (Cl. 40—115)



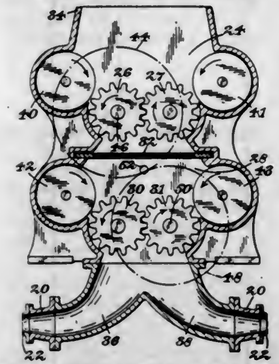
1. In a device of the class described, a calibrated disk, a wheel-shaped member mounted in front of said disk and having a plurality of spokes dividing the calibrated portions of the disk into seven parts, the rim of said wheel being marked with the days of the week and the hub with the months of the year, a member mounted in front of said hub having a cut-out portion to expose one of the months marked thereon, and a shaft on which said parts are rotatably mounted to move as a unit or separately to perpetually indicate the month, date and day of the week.

2,205,327
MEANS FOR CASTING METALS
John Williams, Palmyra, N. J.
Application June 29, 1939, Serial No. 281,947
7 Claims. (Cl. 22—129)



3. A metal casting mold comprising a casting cavity, a head communicating with said cavity, and means for providing a passage for atmospheric or other pressure to a point in the interior of the head remote to the wall of the latter, said means comprising a gas-permeable rod-like element of refractory material substantially chemically inert to the molten metal, said rod projecting into the interior of the head to an extent greater than the ultimate thickness of the shell of solidified metal forming around the mass of still molten metal in the head during solidification of the casting proper and affording a path for uninterrupted application of said pressure to the liquid metal encased by said shell until shrinkage of the said casting is completed.

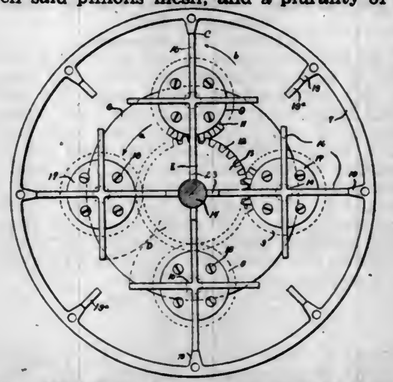
2,205,328
EXTRUDING MACHINE FOR CLAY, SOAP, AND OTHER PLASTIC MATERIALS
Arnold Frank Wills, Burnham-on-Sea, England, assignor to W. & F. Wills, Limited, Bridgwater, England, a British company
Application February 14, 1939, Serial No. 256,323
In Great Britain April 13, 1938
2 Claims. (Cl. 25—11)



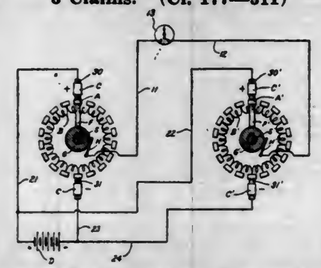
2. An extruding machine of the character described comprising a chamber, a grid dividing the chamber into upper and lower compartments, which upper compartment has at the top a feed inlet for receiving plastic material, and which lower compartment has at the bottom at least one outlet for giving the extruded material the required shape as to its cross-sectional area, rotary expelling means comprising two pairs of intermeshing toothed wheels operable in tandem, one pair in each compartment, the wall of which chamber has a port situated under the grid for placing the upper part of the lower compartment into open communication with an exhausting device, each of which pairs of wheels is situated in a part of its compartment having opposite concave wall-portions that are of a curvature struck respectively from the axes of rotation of the wheels, and that lie adjacent to the peripheries of the wheels, all of which rotate in such a direction that the material above each pair of wheels is driven by their teeth in a direction towards the concave wall-portions, around the outside of the wheels and downwards towards the outlet, and feed means comprising two pairs of feed rollers, one pair in each compartment allotted to the pair of toothed wheels therein, the two feed rollers of each of which pairs are arranged spaced apart towards opposite sides of the allotted pair of intermeshing wheels at the side thereof remote from the outlet.

2,205,329
PLANETARY AIR-LIQUID CLUTCH
Emil Wohlenhaus, Truman, Minn.
Application December 8, 1939, Serial No. 308,225
5 Claims. (Cl. 74—294)

1. A clutch of the character described comprising a driving shaft and a driven shaft, said shafts being disposed in substantial alignment end to end, a casing supported upon said shafts in place to have said casing enclose the inner ends of said shafts, a pinion disc mounted upon the driving shaft within the casing, a plurality of pinions mounted upon said disc for bodily movement with the disc and for rotation about their axes, a gear upon the driven shaft with which said pinions mesh, and a plurality of retarding blades carried by each of said pinions, said casing having such mounting with respect to the shafts as to adapt it to retain a liquid, and a plurality of retarding lugs, projecting inwardly from the periphery of the casing, with which the outer ends of the retarding blades coact, said lugs comprising portions lying in alignment with the outer ends of the blades and portions which project inwardly partway along the sides of the blades.



2,205,330
SYNCHROSCOPE
Joseph W. Allen, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application January 14, 1935, Serial No. 1,817
3 Claims. (Cl. 177—311)



1. In an indicating system, the combination of a pair of continuously rotating commutators, each having a plurality of current conducting segments, a coiled conductor rotatable with each commutator and tapped into each of said segments, means including fixed brushes engageable with said segments to send equally divided parallel currents through equilinear sections of both said coiled conductors, a collector ring electrically connected with a predetermined segment on each of said commutators, additional fixed brushes engaging said collector rings, means constantly in circuit with said last named brushes to indicate whether said commutators are rotating in or out of synchronism, and a single external source

of current in circuit with both said commutators, and constituting the only current supply means for the system.

2,205,331
FILTERING
William H. Alton, New York, N. Y., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application July 6, 1936, Serial No. 89,257
3 Claims. (Cl. 210—203)

1. In the filtering of liquids to refine or purify them by removing suspended and other impurities, the improvement which comprises adding to said liquid finely divided pyrophyllite, substantially all of which will pass a 200 mesh screen, and a coarser fibrous material from the class consisting of asbestos, glass wool, rock wool and mineral wool, filtering the resulting liquid and admixed filtering material with a filter substantially coarser than 200 mesh whereby a filtering bed of admixed fibrous material and pyrophyllite is built up to insure a fine straining action on the liquid passing through the filter.

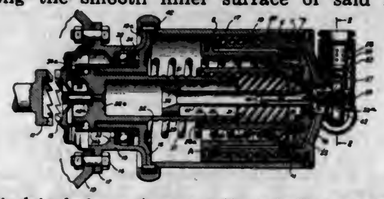
2,205,332
CARTON
Anthony L. Aste, Brooklyn, N. Y., assignor to Griffin Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 10, 1939, Serial No. 250,124
1 Claim. (Cl. 206—46)



A commercial package comprising a bottle of irregular cross-sectional shape with one transverse axis being of greater length than the other, and a carton formed of material similar to cardboard adapted normally to encase the bottle, said carton being formed with connected side panels of greater length than width and with end panels, at least one of which is adapted to open, one of the side panels being formed with a weakened line intermediate and spaced from the ends, the area defined by the weakened line being foldable to provide a cutout of substantially the same size and shape as the cross sectional size and shape of the lower end of the bottle with the dimension of greatest length extending substantially transversely of the side panel, at least a portion of the area defined by the weakened line being connected to the side panel by a hinge disposed towards the end of the carton which opens whereby the lower end of the bottle may be inserted in the cutout portion in the side panel with the shortest transverse axis thereof disposed longitudinally of the carton and the longest transverse axis thereof disposed transversely of the carton so that the carton provides a base for the bottle.

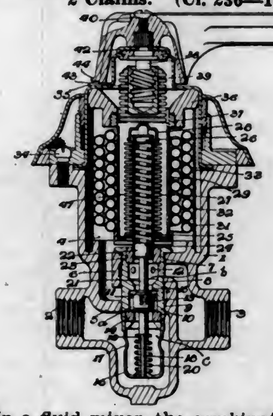
2,205,333
ENGINE STARTING MECHANISM
Howard Baer, Jersey City, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application June 10, 1937, Serial No. 147,570
2 Claims. (Cl. 121—37)

1. In a motor, the combination with an externally threaded cylindrical element, fixed against rotation and provided with a smooth inner surface, of rotatable driven means, and means for driving said rotatable driven means, said driving means including a piston movable along the smooth inner surface of said fixed



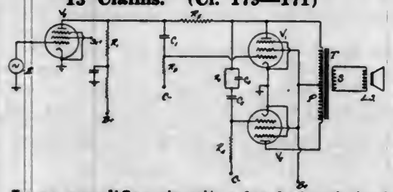
cylindrical element, a part threadedly engageable with the threaded outer surface of said fixed cylindrical element, and means including a member moved by the piston and integrated with said last-named part for causing the longitudinal movement of said piston to be translated into a rotary movement of said driven means.

2,205,334
MIXING DEVICE
Norman W. Barnes, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application February 4, 1937, Serial No. 124,129
2 Claims. (Cl. 236—12)



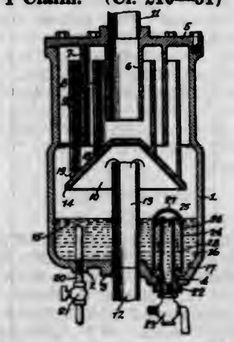
2. In a fluid mixer, the combination of a valve casing provided with hot and cold fluid inlets and a mixture outlet, said valve casing also including a mixing chamber, partitions within said casing separating said hot and cold fluid inlets from said chamber, a pair of opposed valve seats defining an intermediate chamber in communication with said mixing chamber, a single valve member within said intermediate chamber and adapted to cooperate with both of said valve seats and constituting the sole means for regulating the flow from said hot and cold fluid inlets into said mixing chamber, and thermostatic means for controlling said valve member disposed within said mixing chamber and operatively connected to said valve member, said thermostatic means including a rigid tubular member, an expansible and collapsible member within said rigid member and forming an expansible and collapsible chamber therewith, a coiled pipe surrounding said rigid member and communicating with said expansible and collapsible chamber, said pipe and said chamber being filled with a thermosensitive liquid, and means for adjusting said thermostatic means including an expansible and collapsible member attached at one end to said rigid member and extending beyond the same to provide an expansible and collapsible extension thereof, said extension having a movable end wall, and means including a handle readily accessible from the exterior of said valve casing and having a threaded connection with said movable end wall for expanding and collapsing said extension to vary the volume of said chamber.

2,205,335
PUSH-PULL AMPLIFIER CIRCUIT
Loy E. Barton, Collingswood, N. J., assignor, by mesne assignments, to Pennsylvania Patents, Inc., Carson City, Nev., a corporation of Nevada
Application October 16, 1937, Serial No. 169,491
13 Claims. (Cl. 179—171)



1. In an amplifier circuit, a load circuit including a winding, a plurality of space discharge devices each having input and output circuits and characterized in that the output voltage of each of said devices is of substantially opposite phase with respect to the input voltage thereof, connections for including a part of the winding in the output circuit of one space discharge device, connections between another part of the winding and the input circuit of the said one discharge device for supplying to the said input circuit a non-degenerative signal voltage of opposite phase with respect to the voltage in the output circuit of said one discharge device, connections for including part of said winding in the output circuit of another space discharge device, and means for degeneratively coupling the input and output circuits of said other discharge device.

2,205,336
OIL AND WATER SEPARATOR
Edward J. Beach, Brooklyn, N. Y., assignor to Beach-Russ Company, New York, N. Y., a corporation of New York
Application December 13, 1938, Serial No. 245,378
1 Claim. (Cl. 210—51)



A device of the character described including a casing adapted to have oil and water discharged therein, said casing having a tubular lower portion provided with a substantially flat bottom formed with a depressed sump at one side, said sump having a threaded aperture in the bottom, a pipe screwed through said threaded aperture extending exteriorly of said casing and upwardly through said sump to a point appreciably above the sump and the bottom of said tubular lower portion, an inverted cup-shaped hood positioned over said pipe having its lower end extending to near the lower part of the sump, said hood being spaced from said pipe at all points so that as the liquid in the casing rises that part in the sump will be forced upwardly between the pipe and hood and finally over the upper end of the pipe so as to be led to the discharge point, and a hand-actuated valve screwed on to that part of said pipe projecting outside of said casing for regulating the discharge through said pipe.

2,205,337
REACTION PRODUCTS OF ORTHO-PHOSPHITOBENZOYL CHLORIDE AND METHOD OF MAKING SAME
Henry G. Berger, Woodbury, William H. James, Wenonah, and Darwin E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 15, 1938, Serial No. 245,914
15 Claims. (Cl. 260—461)

1. As a new composition of matter the product obtained by reacting a compound selected from the group having the typical formulae:

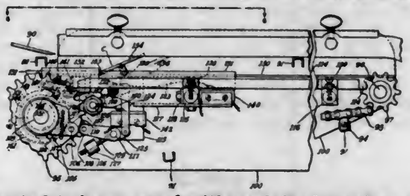
in which at least one of the R'''s represents a high molecular weight aliphatic hydrocarbon radical, the remaining R'''s being selected from the group consisting of hydrogen, hydroxyl, aryl, alkyl, aralkyl, aroxy, and alkoxy radicals, with a compound having the general formula:

in which the R''s are selected from the group consisting of hydrogen, alkyl, aryl and alkaryl radicals.

2,205,338
CONTINUOUS LOAF FEEDING AND TIMING DEVICE
Robert J. Bentel, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application April 8, 1938, Serial No. 200,938
12 Claims. (Cl. 146—153)

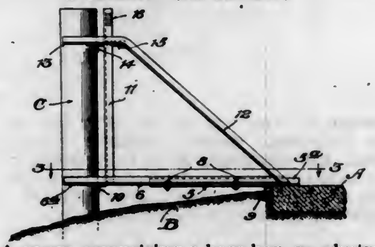
1. In an apparatus of the class described, a slicer mechanism, a travelway through said mechanism, an in-feed conveyor mechanism for feeding articles to be operated upon, such as loaves, in substantially continuous, contiguous succession through said slicer, means operating

normally to actuate said in-feed conveyor mechanism constantly, an outbound conveyor mechanism adapted to receive, to space and to forward, sliced articles from said slicer, means operating normally to actuate said outbound conveyor mechanism constantly when said articles pass from said slicer with normal regularity, and a unitary sensing and incapacitating mechanism, including a feeler disposed in said travelway near the discharge region between the slicer mechanism and outbound conveyor mechanism and



adapted to be engaged with each loaf passing said discharge region, and connections leading from said incapacitating means for the in-feed conveyor mechanism and the outbound conveyor mechanism respectively, whereby said feeler at various positions thereof causes incapacitation of one of said conveyor mechanisms independently of the other, and means to adjust said feeler bodily lengthwise of said conveyor and with relation to its associated instrumentalities to compensate for variations in loaf sizes.

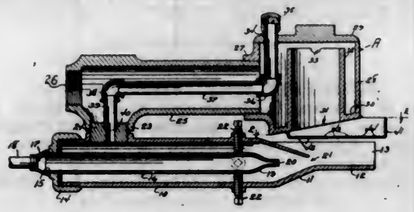
2,205,339
ERECTION GAUGE
Alexander F. Blessing, near Newville, Pa.
Application July 24, 1939, Serial No. 286,290
2 Claims. (Cl. 33—180)



1. A gauge comprising a base bar, an abutment on and extending laterally from said bar between the ends of the latter affording a lower angle with an end portion thereof into which work may be set, an upright member carried by said bar, an upper positioning structure carried by said member including work contacting members affording an upper angle in alinement with the lower angle, and spaced from the latter angle another abutment on said bar to contact a structure away from which the work is to be positioned.

2,205,340
OIL BURNER
Monroe Brittain, Chickasha, Okla.
Application February 1, 1938, Serial No. 188,173
4 Claims. (Cl. 158—75)

1. In an oil burner of the character described, a horizontal tubular nozzle member provided with a restricted discharge opening and a laterally flanged lip extension forward of the discharge opening, an axial steam jet member located within said nozzle member with its discharge orifice in co-operative relation to the discharge opening of the nozzle, air inlet means at the rear portion of said nozzle member, an oil bowl over-hanging the lip extension of the nozzle member, said bowl having a forwardly and upwardly inclined bottom provided with an outlet opening, a tubular column surrounding the outlet opening of the oil bowl and terminating



at its upper end adjacent to the top of the bowl, and a pan-like oil breaking element secured to the under-side of the oil bowl and interposed between the outlet opening of the bowl and the lip extension of the nozzle member, the bottom of said oil breaking element being provided with a plurality of apertures.

2,205,341
MERCHANDISING PACKAGE
Ernest M. Brogden, Orlando, Fla., assignor to Bank of The Manhattan Company, as trustee, New York, N. Y., a corporation of New York
Application April 27, 1936, Serial No. 76,630
19 Claims. (Cl. 206—44)

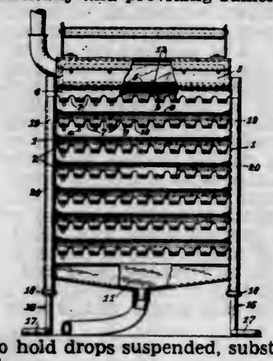


1. A blank of fibrous sheet material suitable for forming a packaging and display container, which blank comprises an elongated strip portion bendable transversely of its length into sections to form angularly disposed sides of a container body proper, and a plurality of retaining or face sections extending from each of the opposite longitudinal edges of said strip portion and bendable transversely thereof and spaced apart at their junction therewith to provide corner gaps in the set-up blank, the retaining or face sections extending from at least one of said edges having provision rendering them more flexible than the side-forming sections and being thereby adapted to conform to the shape of protruding contained articles which they may contact when the container is packed.

2,205,342
MEANS FOR SUPPLYING DRINKING WATER TO FOWLS AND THE LIKE
Stanley A. Bush, East Jordan, Mich., assignor to George C. Willcox, Saginaw, Mich.
Application August 27, 1935, Serial No. 38,112
19 Claims. (Cl. 119—74)

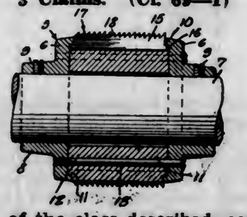
1. A drinking water appliance for fowls and the like comprising a drip member notched along its under side providing spaced apart drip areas

therebetween, said areas being of substantial extent horizontally and providing sufficient surface



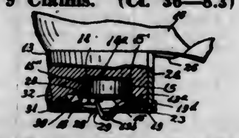
tension to hold drops suspended, substantially as described.

2,205,343
GROOVING TOOL
Sam Carelli, Atlanta, Ga., assignor to David M. Shuman, Atlanta, Ga.
Application June 17, 1938, Serial No. 214,383
3 Claims. (Cl. 69—1)



1. A tool of the class described, comprising, a pair of coupling members, a holder between said members, blades detachably carried by said holder, and means connecting said members together for securing said blades in said holder and operable to permit separation of said members, said members and holder formed with bores adapted to receive a shaft with the bore of said holder of a larger diameter than the bores of said members to permit abaxial positioning of said holder relative to said members upon separation of the latter to effect progressive removal and replacement of said blades upon rotation of said holder relative to said members.

2,205,344
TAP DANCING HEEL AND TOE ATTACHMENT FOR SHOES
Charles Carrara, Brooklyn, N. Y.
Application November 28, 1939, Serial No. 306,463
9 Claims. (Cl. 36—8.3)



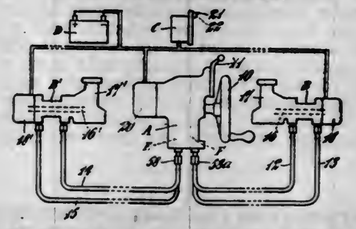
1. In a tap dancing shoe, a heel having a hollow extended inwards from its bottom face, a hollow tubular member set into said hollow, a sounding member mounted across the bottom of said tubular member, an arm attached on said sounding member and projecting outwards and disposed against the material of said heel adjacent said hollow, a lever having one end engaging said arm and an intermediate area extended downwards and having its other end pivotally supported, a cover plate mounted across the bottom of said heel and having an opening through which said intermediate area of the spring projects, and a heavy frame mounted beneath said cover plate.

2,205,345
GOLF BALL RETRIEVER
Charles Christensen, New London, Conn.
Application March 22, 1939, Serial No. 263,506
3 Claims. (Cl. 294—19)



1. A device of the class described comprising a shaft, coacting jaws mounted for swinging movement on one end of the shaft, each of said jaws being formed from wire comprising a loop, one of said jaws further comprising a substantially U-shaped laterally projecting portion on its respective loop for the reception of a golf tee, a bar mounted in the loop of said one jaw for engagement on the golf tee, and means on the shaft for operating the jaws.

2,205,346
REMOTE CONTROL SYSTEM
Edward Claude Shakespeare Clench, Leamington Spa, England, assignor to Automotive Products Company Limited, London, England
Application March 3, 1938, Serial No. 193,791
In Great Britain March 11, 1937
11 Claims. (Cl. 60—52)



1. A fluid pressure remote control system including a fluid pressure producing means, fluid pressure responsive motors, pumps incorporated in the fluid pressure producing means and corresponding in number to the number of said motors, with each pump having individual connections leading to its corresponding motor, means controlling the operation of the pumps, and means for putting all the pumps in operative connection with their respective motors in one position of the controlling means, said means be-

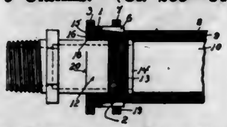
ing adapted to put a selected one of said motors in operative connection with its respective pump in another position of the controlling means.

2,205,347

HOSE CLAMP

Frank L. Darling, Hollywood, Calif., assignor to Albert E. Dieterich, Washington, D. C.

Application August 25, 1939, Serial No. 291,966
9 Claims. (Cl. 285—86)



1. A hose clamp comprising a tubular body having an inner and an outer flange at one end, and threaded from adjacent the outer flange to the opposite end, the inner surface of the body from adjacent the flange toward the end opposite the flange being of general cylindrical form, the outer face of the body from adjacent the flange toward the end opposite the flange being of generally frusto-conical form with the end of greater diameter remote from the flange, and a nut threaded on the threaded portion adjacent the flange, said body having open slots extending from the end opposite the flange longitudinally to adjacent the flange.

2,205,348

CORD-ANCHORING DEVICE

Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application July 19, 1935, Serial No. 32,190
10 Claims. (Cl. 105—354)



1. A cord-anchoring device comprising, in combination, a substantially flat metal attaching plate, a fastening means consisting of a substantially ring-shaped portion integral with one end of said plate and extending outwardly therefrom, said ring-shaped portion being split longitudinally forming two arms between which a cord may be held by spring pressure, and a hollow metal shield adapted to fit over said plate and said fastening means whereby said parts are concealed from view, said shield and said plate having interengaging means whereby said shield may be secured to said plate by a predetermined action after said plate has been attached.

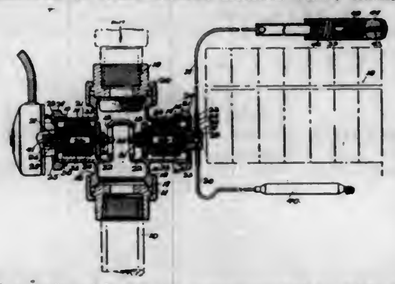
2,205,349

TEMPERATURE CONTROLLING MECHANISM

John E. Dube and Norman W. Barnes, Knoxville, Tenn., assignors to The Fulton Syphon Company, Knoxville, Tenn., a corporation of Delaware

Application January 8, 1937, Serial No. 119,699
6 Claims. (Cl. 236—37)

1. In a control for a ventilating system including a housing with an inlet and an outlet for the air and a single heat exchanger within said housing provided with an inlet for the heating medium, said heating medium inlet having two valve ports through either of which the heating medium may flow to said single heat exchanger, a valve member cooperating with each of said respective ports, means operatively connected to one of said valve members for closing the same to prevent the passage of heating medium when the temperature of the space to be ventilated has reached a predetermined maximum, and means operatively connected to the other of said valve members for operating the same to temper the air flowing through said housing when said first named valve member is closed, said first named means including a motor vessel operatively connected to said first named valve member and in communication with means subjected exteriorly of said housing to the temperature of the space to be ventilated, and said tempering means including a motor element operatively connected to said second named valve member



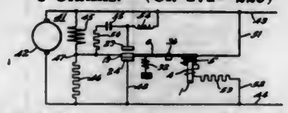
and a pair of bulbs in communication with said motor element, one subjected to the temperature of the air at the outlet side of said heat exchanger and the other subjected to the temperature of the air at the inlet side of said heat exchanger, said last named motor element and bulb being charged with a volatile liquid, said first named bulb being of such size as to actuate said second named motor element and open said second named valve member at a temperature always below said temperature at which said first named motor element is effective to close said first named valve member but varying with the temperature of the air in the inlet to the heat exchanger, and said second named bulb being of such size as to predeterminately increase the temperature at which said first named bulb closes said second named valve member as the temperature of the air in said air inlet decreases.

2,205,350

REGULATOR

Donald W. Exner, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 26, 1938, Serial No. 242,549
5 Claims. (Cl. 171—229)



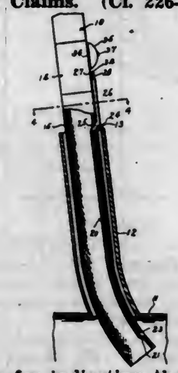
1. In a regulator system employing an electric generator having a field winding connected in series with a resistor, a contact member connected to the junction between said resistor and field winding and a cooperating contact member for closing a circuit in shunt relation to said field winding, an inductive device connected in said shunt circuit for limiting the rate of current increase upon engagement of said cooperating contact members, and a tuned circuit for discharging the stored energy from said inductive device upon separation of said cooperating contact members.

2,205,351

FULL FLOW FULL TANK NOZZLE SPOUT

Edgar D. Featherston, Richmond, Ind.

Application April 25, 1939, Serial No. 270,028
2 Claims. (Cl. 226—66)



1. A means for indicating the filled condition of a fluid tank during the filling thereof from a fluid discharge nozzle, said means comprising a flexible tubular fluid conducting member, an annular coupling for connecting the inner end of said member with the discharge end of the nozzle, an air tube carried by said member having a portion of its length arranged within and bearing against a part of the inner face of said member, another portion of its length arranged exteriorly of and bearing against a part of the outer face of said coupler and member, another portion of its length extending through the body of said member and connecting the said other portions together and the remaining portion of its length extending through the body of said member in proximity to the inner end of the latter and opening at the outer periphery of said member, a fluid pressure operated structure carried by said coupling connected to and opening into that portion of the tube arranged exteriorly of said member and coupling, a reciprocatory striker carried by and operated from said structure, and an audible signal carried by said coupling and made active by said striker.

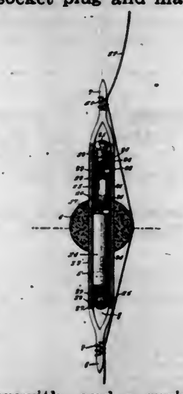
2,205,352

ELECTRIC FLOAT

Foster Henry Fisher, Cleveland, Ohio

Application October 25, 1938, Serial No. 236,935
5 Claims. (Cl. 43—49)

1. A fishing float comprising an elongated body member of nonconductible material provided at its ends with shanks and having a longitudinally extending slot therein, spring means attached to said shanks for holding a line slidably attached thereto, a float means carried by the body member and slidable thereon, a hollow cylinder secured within the longitudinally extending slot of said body member, a battery contained within said cylinder, a mercury type switch and an insulating cover therefor arranged in axial alignment with said battery, a connection between said mercury type switch and said battery, a socket plug hermetically sealing one end of said cylinder, a bulb contained by said socket plug, an insulating washer interposed between said socket plug and said mercury switch, a contact means carried by said washer and maintained in engagement with the said bulb, a connection between said contact means and said mercury switch, a removable plug member fitting into the end of the cylinder opposite that end carrying the said socket plug and making a water-



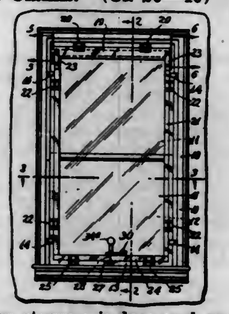
tight union therewith, and a spring means interposed between said plug member and said battery and functioning to maintain all members within said cylinder in close frictional engagement with each other.

2,205,353

INDOOR STORM WINDOW AND SUNRAY MEMBER

Charles F. Flynn, Harrison, N. Y.

Application April 18, 1939, Serial No. 268,600
2 Claims. (Cl. 20—40)



1. An indoor storm window and sunray member, comprising a frame adapted to be mounted in a window frame, a roller with a "ray" member removably mounted across the top of said frame, a top strip hingedly mounted across the top of said frame and adapted to shield said roller from being removed, side strips hingedly mounted on the sides of said frame and having top fingers engaging over the ends of said top strip for locking said top strip when said side strips are in inwardly hinged positions, a bottom strip hingedly mounted across the bottom of said frame and having end portions in one position thereof engaging over the bottom ends of said side strips in the latter positions thereof for locking same in position, means for locking said bottom strip in said one position, stationary strips mounted on said frame spaced slightly rearwards of said hinged strips forming grooves, and the edges of said member being engaged in said grooves, said means comprising a stud normally extended through said bottom strip and alignable with an opening formed in the bottom of said frame, and a plate extended across the opening in said

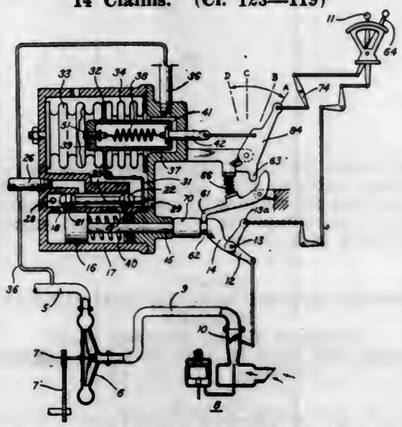
frame and having an opening through which said stud extends, a pin extended through said stud at right angles thereto, offset portions formed at the sides of the opening in said plate, and a means for aligning and disaligning said pin with relation to said offset portions for permitting said bottom strip to be moved to an open or closed position.

2,205,354

INTERNAL COMBUSTION ENGINE CONTROL

David Gregg, Caldwell, and Richard Daalder, Paterson, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application December 21, 1938, Serial No. 247,120
14 Claims. (Cl. 123—119)



1. The combination with an internal combustion engine throttle, of fluid pressure actuated means for shifting said throttle, said shifting means including a control valve, a piston, a rod and a lever linkage responsive to changes in the engine's manifold pressure, and said piston being subject to a fluid lock tending to hold it at one end of its stroke, means for swinging said lever about one end of said rod to shift said throttle independently of any change in manifold pressure, and manual means for shifting said control valve to a position establishing said fluid lock.

2,205,355

TREATMENT OF LEATHER

Otto Grimm and Hans Rauch, Darmstadt, Germany, assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application August 22, 1939, Serial No. 291,328. In Germany August 23, 1938
17 Claims. (Cl. 149—6)

1. The process of filling leather which comprises treating the leather with a product capable of forming an insoluble compound with the tanning agent and which is prepared by the interaction of an amine having at least one hydrogen atom attached to the nitrogen atom, an aldehyde and a water-soluble polymeric amide.

2,205,356

SHOE OF ELASTIC MATERIAL

Rose Gruensfelder and Edward C. Neunuebel, St. Louis, Mo.; said Neunuebel assignor to said Gruensfelder

Application December 12, 1938, Serial No. 245,228
2 Claims. (Cl. 36—51)

1. A shoe having a vamp comprising a ply of normally inelastic facing material, an underlying ply of elastic material, and a plurality of lines of stitching uniting the plies, the facing be-



tween the lines being crinkled and some of said lines converging with respect to others to form a series of similar areas defined by said stitching throughout the extent of said facing material.

2,205,357

VISIBLE COURSE AND POSITION INDICATOR

Frederick Hayes Hagner, San Antonio, Tex., assignor, by direct and mesne assignments, to Archbold-Hagner Instrument Laboratory, Inc., a corporation of Delaware

Application June 25, 1937, Serial No. 150,411
11 Claims. (Cl. 33—61)



1. A visible course and position indicator for ships, aeroplanes and other means of transportation comprising a container substantially hemispherical in shape and containing a plotted chart showing the geographic locations of two known terminals, a second removable chart containing a pre-computed great circle course of travel between said terminals and fitted against said first mentioned chart and adjustable to indicate the great circle course between said terminals, and means carried by said container in a position for directing a spot of light from a selected celestial body upon said charts whereby a pilot may accurately follow a pre-computed great circle course at predetermined ground speed by keeping the spot of light from a selected celestial body at all times upon the pre-computed great circle course upon the second chart when the means of transportation is level and has not drifted by the wind.

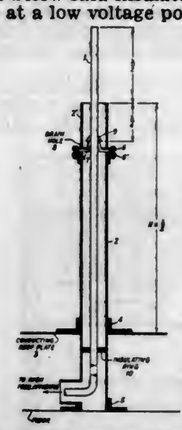
2,205,358

ANTENNA

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 12, 1936, Serial No. 63,497
Renewed May 5, 1939
10 Claims. (Cl. 250—33)

1. A vertical antenna structure comprising a vertical radiating element extending from above an electrically conducting roof top of a building to a point below the roof top, an electrically conducting pipe similarly located and surrounding said element for all but the upper half wavelength portion of said radiating element, means for fastening said pipe to said roof top and to said building below said roof top, and an insulator located above said roof top and placed between said element and pipe for preventing water from running into said pipe below said insulator, said insulator being located at a low voltage point on said radi-



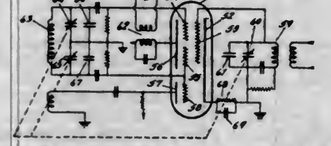
ating element, said insulator also functioning to maintain said radiating element in spaced relation to said pipe.

2,205,359

SUPERHETERODYNE RECEIVER

Arne Schleimann Jensen, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application June 24, 1938, Serial No. 215,538
1 Claim. (Cl. 250—20)



A superheterodyne radio receiver including a tube containing a cathode, an anode to receive emission from one section of said cathode, a control grid adjacent said section of the cathode, a pair of auxiliary grids between said control grid and the anode, another anode adjacent a different section of the cathode, a control grid for said other anode, means to couple the second mentioned anode and the second mentioned control grid to generate a local frequency F_L, means to impress said frequency in push-pull relation across said pair of auxiliary grids, and means to impress received signal modulated carrier waves on the first mentioned control grid whereby there exists in the anode circuit of the first mentioned anode a current of frequency $F_s - 2F_L$.

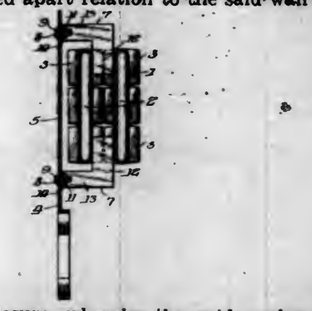
2,205,360

CLIP SUPPORTING MEANS FOR ENCLOSURES

John Kacena, Chicago, and Paul W. Vandenberg, Elmhurst, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois

Application September 19, 1938, Serial No. 230,576
2 Claims. (Cl. 257—136)

1. In combination with a radiator, convector or the like, an enclosure for the said radiator or convector, clip means attached to a wall of the said enclosure, the said clip means comprising an angularly-formed strap member snugly fitting within said radiator or convector, said strap member having an integral angularly disposed extension to hold the said convector or radiator in fixed spaced apart relation to the said wall of



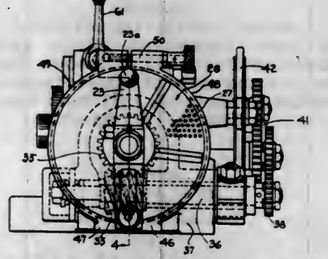
the said enclosure, whereby the said enclosure wall is supported against transverse movement in either direction.

2,205,361

DIVIDING HEAD

Edward J. Kearney, deceased, late of Wauwatosa, Wis., by Ella Morton Kearney, Albert J. Pitman, and Otto W. Carpenter, Jr., executors, Wauwatosa, Wis., and Joseph B. Armitage, Wauwatosa, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Continuation of application Serial No. 659,828, March 6, 1933. This application June 15, 1936, Serial No. 85,446
16 Claims. (Cl. 90—57)



1. In an indexing device, the combination with a base presenting semi-circular trunnion receiving surfaces, of a swivel block having trunnions disposed to rotatably engage said trunnion receiving surfaces, clamping means for each trunnion including a pair of quadrant elements jointly forming a complementary semi-circular surface one end of each element being secured to said frame in continuation of said trunnion receiving surface and the other ends of said pair of elements being spaced apart to define a slot disposed in a vertical axial plane of said trunnion, and means for drawing the ends of said clamping elements toward each other in manner tending to close said vertical slot therebetween to clamp said trunnion without exerting force thereon tending to turn said block relative to said base.

2,205,362

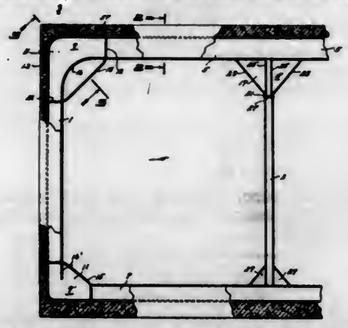
WELDED RIGID FRAME SUBWAY BENT AND PREFABRICATED BRACKET

Martin P. Korn, Buffalo, N. Y.

Application September 22, 1938, Serial No. 231,109
4 Claims. (Cl. 61—44)

1. A rigid frame subway bent comprising, a

roof-beam including a length of beam of standard rolled section, a floor-beam comprising a length of beam of standard rolled section, two outside wall columns formed of standard rolled section, said beams and columns being arranged with their web sections disposed in a common plane, and having their ends disposed in adjacent relation but slightly spaced apart and offset, and prefabricated corner brackets disposed between



the offset ends of said beams and columns, each of said brackets being formed of a web portion arranged in a common plane with the web portions of said beams and columns and being welded in abutting relation with said web portions to form a substantially rectangular web frame, the edges of said brackets being provided with flanges welded thereto and welded to the flanges and webs on said beams and columns.

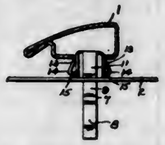
2,205,363

SNAP FASTENER MEMBER

Joseph Kral, Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application November 3, 1937, Serial No. 172,538

4 Claims. (Cl. 24—73)



1. A double snap fastener member for securing an apertured part to an apertured support, said fastener member comprising attaching portions having shoulders for snap fastening engagement with the inner surface of a support through an aperture thereof, a connecting portion joining said attaching portions at one end, yieldable portions extending from said connecting portion in the direction of said shoulders of said attaching portions and having cooperating shoulders for snap fastener engagement through the aperture in said apertured part, and spacing means comprising integral parts of said fastener member integrally joined to said connecting portion and disposed on the same sides thereof as said yieldable portions, each of said spacing means having a portion spaced from said connecting portion and said yieldable portions and disposed a greater distance from said connecting portion in the direction of the shoulders of said attaching portions than said shoulders of said yieldable portions thereby to engage the outer surface of said support to space said shoulders from said support.

2,205,364

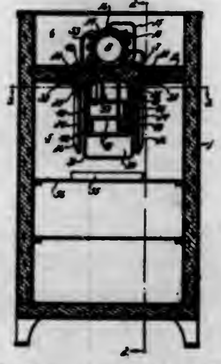
REFRIGERATING APPARATUS

Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application May 31, 1934, Serial No. 728,289

Renewed March 9, 1937

15 Claims. (Cl. 62—116)



1. In combination in a refrigerator, heat insulating walls enclosing a food compartment, an adjacent machine compartment, a base mounting member comprising a removable portion of the adjacent heat insulating wall, a refrigerant compressor unit in the machine compartment mounted on said base member, a partition member in said food compartment enclosing a freezing chamber, flanges projecting from the upper edges of the partition member laterally beyond the removable base member for permanently securing said partition member to the cabinet, a coating of vitreous enamel on said partition member, cooling means supported from the base member in an operative position adjacent said member, freezing means supported from said base member within said chamber, an operatively connected refrigerant compressor mounted on said base member whereby the porcelain coated partition member remains protected in the cabinet when the compressor assembly is removed for shipping.

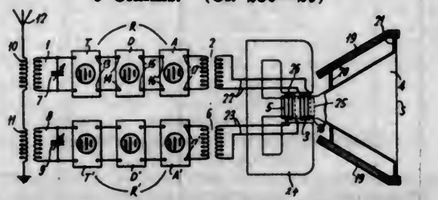
2,205,365

RADIO RECEIVER

John Louis Schwaen, Tampa, Fla., assignor of one-half to Marguerite Schwaen, Tampa, Fla.

Application July 18, 1938, Serial No. 219,791

6 Claims. (Cl. 250—20)



1. In a signalling system having desired currents and undesired components, the combination of a sound reproducer having a steady magnetic field, a diaphragm, at least two coils mechanically connected to said diaphragm and each having a plurality of turns located in said field, means including an audio frequency transformer for supplying the desired currents to only one of said coils and means including a second audio

frequency transformer unconnected to said first transformer whereby currents having the undesired components are supplied to both of said coils in opposed phase relation whereby said diaphragm generates sound waves of a frequency equal to that of the desired currents only.

2,205,366

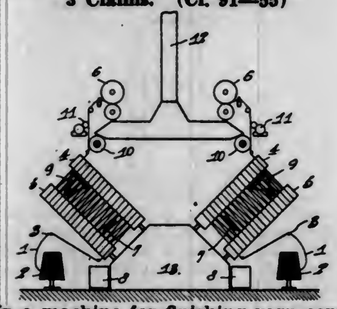
METHOD AND APPARATUS FOR TREATING YARN

Johann Joseph Stoeckly, Teltow-Seehof, Germany, assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Application June 25, 1936, Serial No. 87,133

In Germany June 27, 1935

3 Claims. (Cl. 91—55)



1. In a machine for finishing yarn comprising a frame, roller means extending from the frame in an upwardly inclined direction, driving means for said rollers, means for moistening the roller means at the bottom and heating said roller means at the top thereof, and means for feeding yarn so as to cause it to progress in a helical path along said roller means from the bottom to the top thereof; a suction device extending above the roller means in spaced relation thereto, a freely movable cooling roller between the top of the roller means and the suction device and in contact with which the heated yarn is adapted to pass as it leaves the roller means, a remoistening device, and a yarn collecting device, both the re-moistening device and the yarn collecting device being arranged to contact the yarn after it has been cooled and has moved beyond the suction device.

3. In a process for the continuous sizing of artificial cellulosic yarn, the steps comprising saturating the yarn with sizing solution and drying it by applying heat thereto while it is passing in a helical path over rotating, impervious guiding surfaces to form a dried yarn; immediately thereafter cooling said dried yarn by causing it to pass continuously without substantial relative movement over a heat-absorbing surface; re-moistening the dried and cooled yarn; and finally collecting said yarn.

2,205,367

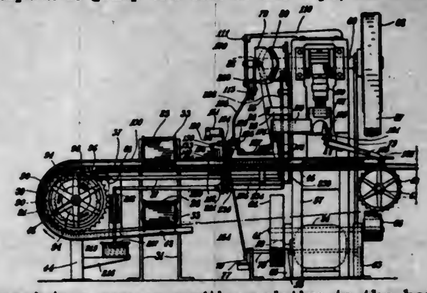
HINGE APPLYING MACHINE

Louis Triolo, Brooklyn, N. Y., assignor to Imperial Paper Box Corporation, Brooklyn, N. Y., a corporation of New York

Application June 28, 1938, Serial No. 216,395

15 Claims. (Cl. 93—55)

1. In a machine of the class described, a conveyor for successively positioning a box in a plurality of operative stations, means at one of such stations for applying a strip of substantially flexible material and means at another station for firmly pressing the strip of flexible material into engagement with the box, the first-mentioned means comprising a reciprocating member adapted to grasp the end of the tape, move the



tape into a proper position relative to the box, and vertically reciprocating knife for severing the tape from the web from which it is fed.

2,205,368

RESPIRATOR

Willis A. Whipple, Camp Lake, Wis., assignor to Robert Malcom, Chicago, Ill.

Application October 30, 1937, Serial No. 171,969

Renewed December 1, 1939

4 Claims. (Cl. 128—146)



4. A walled filter unit for respirators having an orifice near one end in one of its walls, a washer having a lateral extension inside of said unit, a bushing held in said washer, disposed in said orifice, and constituting a member for retaining said unit on a facepiece, and a fastener extending through said washer extension and orificed wall holding said washer and bushing in place, and the outer end of said fastener being adapted for connection with a headband.

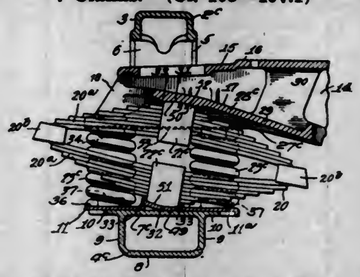
2,205,369

RAILWAY TRUCK

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Original application June 14, 1932, Serial No. 617,228, now Patent No. 2,146,200, dated February 7, 1939. Divided and this application February 5, 1938, Serial No. 188,972

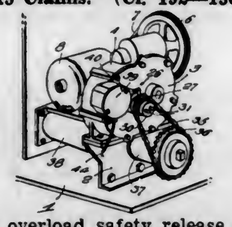
7 Claims. (Cl. 105—197.1)



1. In a railway truck, in combination, a side frame formed with compression and tension members spaced intermediate their ends by spaced columns to leave a bolster opening therebetween, a spring plate on said tension member, a bolster having an end portion thereof positioned in said

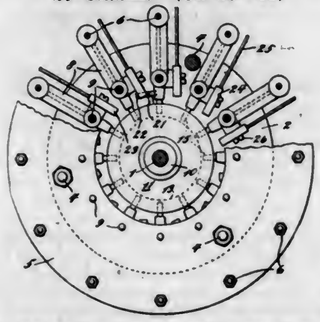
opening and provided with lugs outstanding from the sides thereof engaging said columns, said bolster end and spring plate being provided with helical and elliptic spring seats, helical and elliptic spring means in bearing relation with said spring seats and interposed between said bolster end and spring plate for resiliently supporting the bolster, said helical springs being vertically disposed and said elliptic spring having its major axis extending at an oblique angle to the horizontal.

2,205,370
SHEAR PIN ALARM FOR STOKERS
Albert L. Brice, Frederick, Md., assignor to The Frederick Iron and Steel Company, Frederick, Md., a corporation of Maryland
Application January 6, 1940, Serial No. 312,793
15 Claims. (Cl. 192—150)



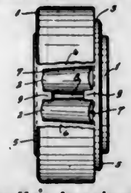
1. In an overload safety release employing a frangible key between concentric driving and driven shafts for power transmission, said key being disposed in aligned recesses in the ends of said shafts, means for confining the key, whole and severed, comprising a member of cup-shaped cross-section having an inner diameter equal to the diameter of the outer one of said concentric shafts and an inner depth at least equal to the depth of said recesses for enclosing the said recesses with said frangible key disposed therein, an electric circuit controller, an actuator for said electric circuit controller, and a member whose position is determined by relative movement between said driving and driven shafts engageable with said actuator for tripping said actuator when said driving shaft moves independently of said driven shaft.

2,205,371
DEVICE FOR THE LATERAL STRETCHING OF WEBS OF TEXTILE MATERIAL
Karl Bünzli, Thalwil, Switzerland, assignor to Vereinigte Faerbereien und Appretur Aktien Gesellschaft, a corporation of Switzerland
Application October 17, 1939, Serial No. 299,805
In Switzerland September 20, 1938
20 Claims. (Cl. 26—63)



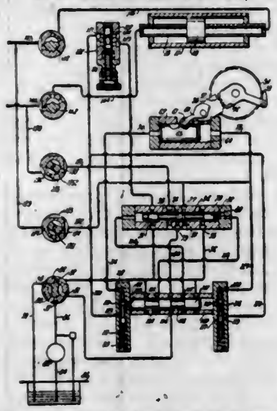
1. A device for the lateral stretching of webs of textile material comprising a rotatably mounted laterally elastic roll adapted to receive and laterally stretch a web of textile material and including means for successively laterally expanding and contracting said roll during the rotation thereof and means positioned to be engaged by a textile web running off its course on said roll thereby temporarily disengaging said first mentioned means.

2,205,372
CAGE FOR ROLLER BEARINGS
Joseph F. Cornell, Minneapolis, Minn., assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application October 26, 1939, Serial No. 301,310
5 Claims. (Cl. 308—218)



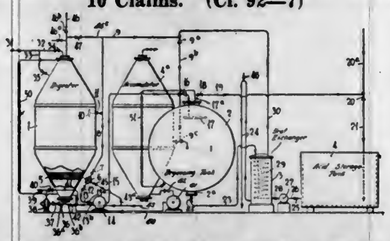
1. A cage for roller bearings comprising annular end members connected by bridges forming pockets for retaining the rollers, a plurality of said bridges having an opening of substantial size in the central portion thereof.

2,205,373
GRINDING MACHINE
Jacob Decker, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application November 7, 1938, Serial No. 239,287
8 Claims. (Cl. 51—95)



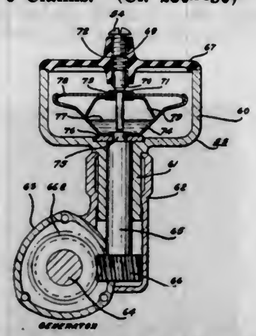
1. In a grinding machine of the type embodying a relatively traversable work support, and wheel head and means including a hydraulic piston and cylinder mechanism for effecting said traverse, means for controlling relative movement of said support and wheel head in a feeding direction, including a source of hydraulic medium under pressure, a first hydraulic conduit system couplable with the traversing piston and cylinder, a feed mechanism, a second hydraulic conduit system coupled with the feed mechanism, a third hydraulic conduit system including an independent, reversing system for producing alternate pulsations or impulses in opposite directions in the system, and selector means operable to couple the feed control mechanism in parallel with the first hydraulic system or in series with the second hydraulic system whereby the feed mechanism may be selectively operated by reversals of the traversing system or by intermittent alternate movements in accordance with the impulses of the series coupled system.

2,205,374
DIGESTING PROCESS AND APPARATUS
Thomas L. Dunbar, Watertown, N. Y., assignor to Chemipulp Process, Inc., Watertown, N. Y., a corporation of New York
Application July 2, 1936, Serial No. 88,639
10 Claims. (Cl. 92—7)



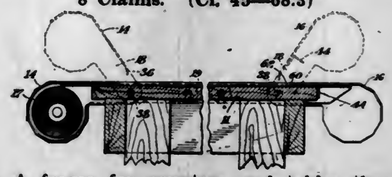
4. In a process of the character described leading waste acid liquor from the lower portion of a digester to a degassing tank at the end of a cook, separating gases from the waste liquor in said tank, absorbing said gases in raw acid liquor, and then heating the last mentioned liquor by heat exchange with the first-mentioned liquor.

2,205,375
CONTROL APPARATUS FOR ENGINE STARTERS
John B. Dyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application September 23, 1933, Serial No. 690,652. Divided and this application December 18, 1936, Serial No. 116,638
6 Claims. (Cl. 200—80)



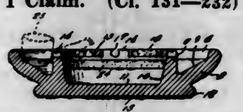
1. In control apparatus for engine starting devices having an electric starting motor and a starter switch for causing the motor to become operative, a centrifugal control switch operable by the engine for controlling the operation of said starter switch, said control switch comprising a chamber adapted to contain mercury and having a sump in which the mercury is received when the engine is at rest, a cup-shaped wall extending upwardly and outwardly from said sump and a cover plate cooperating with said wall to form the chamber, said cup-shaped wall having two portions arranged at different degrees of inclination to the horizontal, whereby different speeds of rotation will cause the mercury to flow outwardly over the two portions of the wall.

2,205,376
FRAME FOR COUNTERS AND TABLES
Herman Gottesman, Hillsdale, N. J.
Application May 5, 1938, Serial No. 206,184
Renewed November 9, 1939
8 Claims. (Cl. 45—68.3)



2. A frame for counters and tables through which a covering may be drawn and fitted over a counter or table which comprises side portions consisting of marginal guides to guide a covering through the frame and end portions consisting of bar members pivoted on a relatively short radius and movable to open position to permit the covering to pass through the frame and movable to closed position to hold the covering in the frame.

2,205,377
ASH TRAY
Michael J. Miller, Ashtabula, Ohio, assignor to The Dun-Mil Products, Inc., Painesville, Ohio
Application January 27, 1939, Serial No. 253,178
1 Claim. (Cl. 131—232)

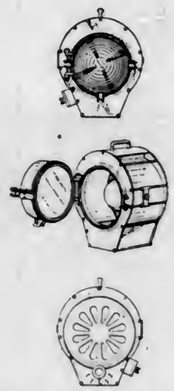


An ash tray comprising a body part formed of a single piece of material and including a substantially flat bottom part of annular form, an upwardly and outwardly extending annular part connected with the peripheral portion of the bottom part and having a bead at its upper edge and a substantially vertically arranged annular part extending upwardly from the bottom part and forming with the first-mentioned upwardly and outwardly extending part an annular trough having an inner wall substantially vertically arranged and a second wall extending upwardly and outwardly to the bead, said trough being designed to receive and support the bowl of a smoking pipe, the upper edge of the vertically arranged part having elongated notches therein, blocks of shock absorbent material placed in the notches and portions of said upper edge of the vertically arranged part having transverse notches therein for receiving cigarettes with portions of the cigarettes extending into the trough and other portions extending over the space formed by the vertically arranged annular part.

DESIGNS

JUNE 18, 1940

121,061
DESIGN FOR AN INCANDESCENT LIGHTING UNIT
Frank Paul Arrouses, Los Angeles, Calif.
Application April 19, 1940, Serial No. 91,777
Term of patent 14 years



The ornamental design for an incandescent lighting unit, substantially as shown.

121,062
DESIGN FOR A TABLE OR SIMILAR ARTICLE
Alfons Bach, New York, N. Y.
Application November 15, 1939, Serial No. 88,303
Term of patent 7 years



The ornamental design for a table or similar article, as shown and described.

121,063
DESIGN FOR AN AUTOMOBILE SIGNAL LAMP
George W. Bruderick, Detroit, Mich.
Application October 21, 1939, Serial No. 87,793
Term of patent 7 years



The ornamental design for an automobile signal lamp, as shown.

121,064
DESIGN FOR A TEXTILE FABRIC
Edwin Bry, Elberon, N. J., assignor to Edwin & Louis Bry, Inc., New York, N. Y., a corporation of New York
Application May 1, 1940, Serial No. 92,065
Term of patent 3½ years



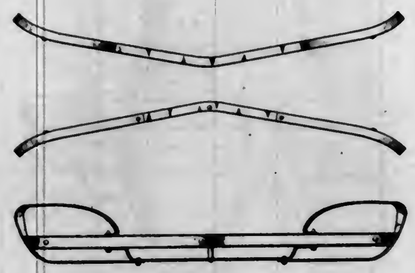
The ornamental design for a textile fabric, as shown and described.

121,065
DESIGN FOR A CAP FOR CONTAINERS
Lindsay Thorne Crabbe, Chicago, Ill., assignor to Phoenix Metal Cap Co., Inc., Chicago, Ill., a corporation of Illinois
Application January 11, 1940, Serial No. 89,403
Term of patent 14 years



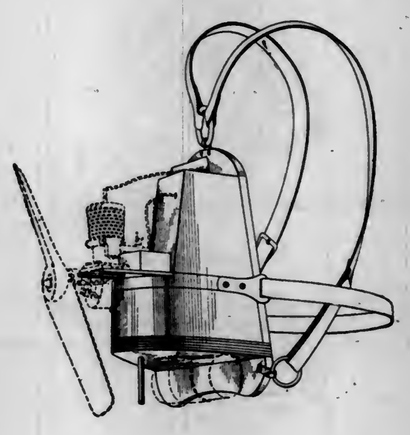
The ornamental design for a cap for containers, as shown.

121,066
DESIGN FOR AN AUTOMOBILE BUMPER OR SIMILAR ARTICLE
Don S. Devor, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application April 29, 1940, Serial No. 92,008
Term of patent 7 years



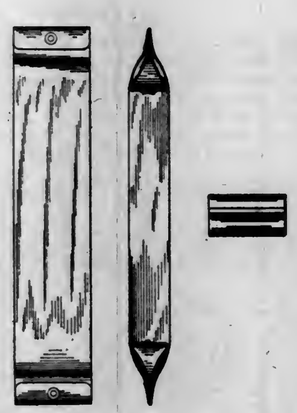
The ornamental design for an automobile bumper or similar article, as shown.

121,067
DESIGN FOR A BODY ATTACHED PROPULSION UNIT
Max Fischer, Great Neck, N. Y.
Application September 22, 1939, Serial No. 87,354
Term of patent 3½ years



The ornamental design for a body attached propulsion unit, substantially as shown and described.

121,068
DESIGN FOR A CARTON
James Fraterrigo, Tampa, Fla.
Application April 24, 1939, Serial No. 84,715
Term of patent 7 years



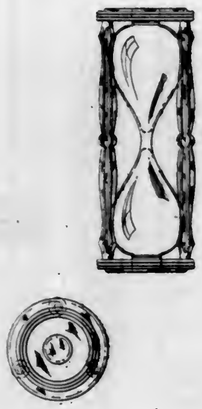
The ornamental design for a carton, as shown.

121,069
DESIGN FOR AN AVIATOR'S OXYGEN MASK OR SIMILAR ARTICLE
Merrill E. Hansen, Akron, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Application April 6, 1940, Serial No. 91,512
Term of patent 14 years



The ornamental design for an aviator's oxygen mask or similar article, as shown.

121,070
DESIGN FOR A PERFUME BOTTLE
Wesley R. Hauptman, Los Angeles, Calif., assignor to Nassour Bros., Inc., Ltd., Los Angeles, Calif., a corporation of California
Application March 15, 1940, Serial No. 90,975
Term of patent 3½ years



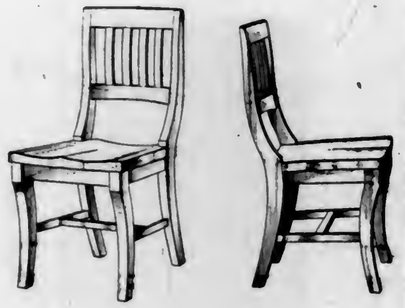
The ornamental design for a perfume bottle, as shown.

121,071
DESIGN FOR AN OIL BURNER
Frank E. Herr, Lancaster, Pa.
Application January 27, 1940, Serial No. 89,770
Term of patent 14 years



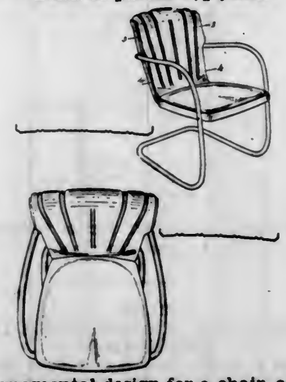
The ornamental design for an oil burner, as shown and described.

121,072
DESIGN FOR A CHAIR
Walter J. Johnson, Chicago, Ill., assignor to Johnson Chair Company, Chicago, Ill., a corporation of Illinois
Application October 18, 1939, Serial No. 87,768
Term of patent 7 years



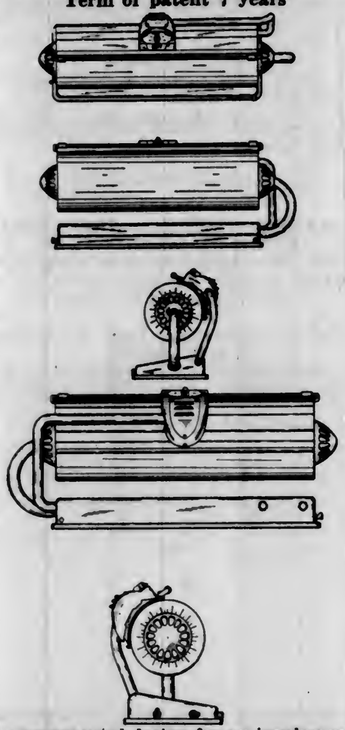
The ornamental design for a chair, substantially as shown.

121,073
DESIGN FOR A CHAIR
Harry W. Kranz, Lakewood, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application October 23, 1939, Serial No. 87,812
Term of patent 3½ years



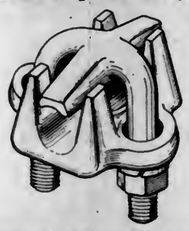
The ornamental design for a chair, as shown.

121,074
DESIGN FOR AN IRONING MACHINE
Thomas James Litle, Jr., Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application March 25, 1940, Serial No. 91,235
Term of patent 7 years



The ornamental design for an ironing machine, substantially as shown.

121,075
DESIGN FOR A CLAMP KEEPER FOR A CLIP BODY
Amos L. Main, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application September 13, 1938, Serial No. 79,863
Term of patent 14 years



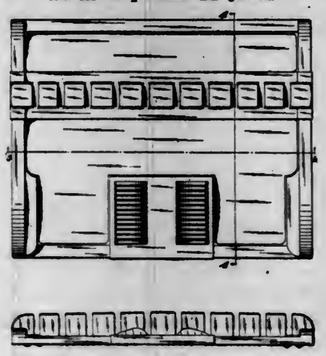
The ornamental design for a clamp keeper for a clip body, as shown.

121,076
DESIGN FOR A LOCKING COVER
Charles H. Nehls, Detroit, Mich.
Application September 5, 1939, Serial No. 87,055
Term of patent 7 years

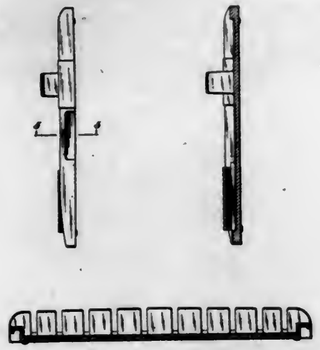


The ornamental design for a locking cover, as shown.

121,077
DESIGN FOR A BUFFET HOLDER FOR SILVERWARE OR ANALOGOUS ARTICLE
John S. O'Connell, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a corporation of Massachusetts
Application March 19, 1940, Serial No. 91,070
Term of patent 14 years



121,077—Continued



The ornamental design for a buffet holder for silverware or analogous article, substantially as shown.

121,078
DESIGN FOR A CIGARETTE CASE OR THE LIKE
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application March 6, 1940, Serial No. 90,734
Term of patent 3½ years



The ornamental design for a cigarette case or the like, as shown and described.

121,079
DESIGN FOR A RECEPTACLE FOR COSMETICS
Alfred F. Reilly, North Attleboro, Mass.
Application April 1, 1940, Serial No. 91,396
Term of patent 3½ years



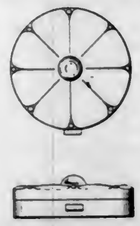
The ornamental design for a receptacle for cosmetics, as shown and described.

121,080
DESIGN FOR A RECEPTACLE FOR COSMETICS
Alfred F. Reilly, North Attleboro, Mass.
Application April 1, 1940, Serial No. 91,397
Term of patent 3½ years



The ornamental design for a receptacle for cosmetics, as shown and described.

121,081
DESIGN FOR A RECEPTACLE FOR COSMETICS
Alfred F. Reilly, North Attleboro, Mass.
Application April 1, 1940, Serial No. 91,399
Term of patent 3½ years



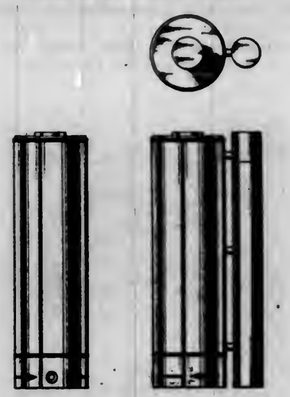
The ornamental design for a receptacle for cosmetics, as shown and described.

121,082
DESIGN FOR A COMBINED WRENCH HANDLE AND HAIR WINDING PIN
Walter N. Schlesinger, New York, N. Y.
Application January 10, 1940, Serial No. 89,370
Term of patent 3½ years



The ornamental design for a combined wrench handle and hair winding pin, substantially as shown and described.

121,083
DESIGN FOR A FIRE EXTINGUISHER
Paul A. Stover, San Francisco, Calif.
Application November 4, 1939, Serial No. 88,050
Term of patent 14 years

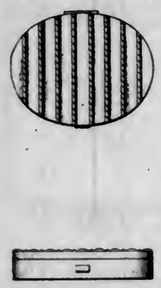


The ornamental design for a fire extinguisher, as shown.

121,084
DESIGN FOR A DEVICE FOR ANALYZING COMBUSTION MOTORS
Arthur P. Warner, Beloit, Wis., assignor to Warner-Patterson Company, Chicago, Ill., a corporation of Illinois
Application October 21, 1939, Serial No. 87,792
Term of patent 14 years

The ornamental design for a device for analyzing combustion motors, as shown and described.

121,085
DESIGN FOR A RECEPTACLE FOR COSMETICS
Alfred F. Reilly, North Attleboro, Mass.
Application April 1, 1940, Serial No. 91,398
Term of patent 3½ years



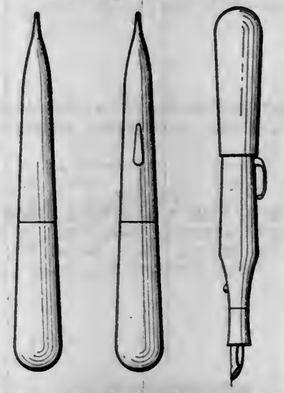
The ornamental design for a receptacle for cosmetics, as shown and described.

121,086
DESIGN FOR A CHAIN
Maurice Anderson, Edgewood, R. I.
Application May 1, 1940, Serial No. 92,076
Term of patent 7 years



The ornamental design for a chain, substantially as shown.

121,087
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Anatol N. Andrews, Los Angeles, Calif.
Application December 4, 1939, Serial No. 88,681
Term of patent 14 years



The ornamental design for a fountain pen or similar article, as shown and described.

121,088
DESIGN FOR A REBOUND DEVICE FOR A PIN-BALL GAME APPARATUS
Charles E. Caestecker, Chicago, Ill.
Application March 25, 1940, Serial No. 91,233
Term of patent 14 years



The ornamental design for a rebound device for a pin-ball game apparatus, substantially as shown.

121,089
DESIGN FOR A REBOUND DEVICE FOR A PIN-BALL GAME APPARATUS
Charles E. Caestecker, Chicago, Ill.
Application March 25, 1940, Serial No. 91,234
Term of patent 14 years



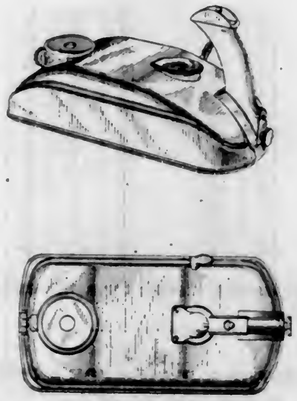
The ornamental design for a rebound device for a pin-ball game apparatus, substantially as shown.

121,090
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application May 1, 1940, Serial No. 92,057
Term of patent 3½ years



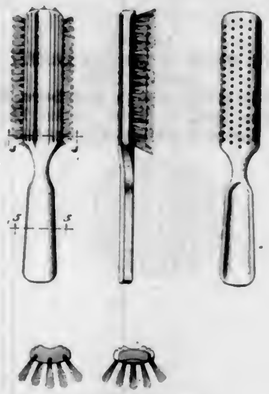
The ornamental design for a textile fabric, substantially as shown.

121,091
DESIGN FOR A CARRIAGE FOR SUPPORTING AND PROPELLING A TOOL, SUCH AS A BLOWPIPE
Frank C. Geibig, Westfield, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application April 24, 1940, Serial No. 91,912
Term of patent 14 years



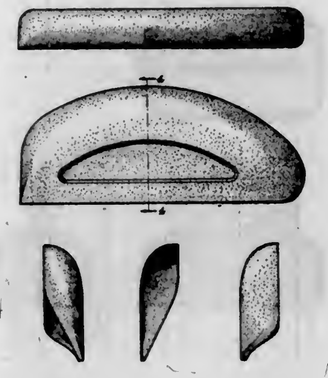
The ornamental design for a carriage for supporting and propelling a tool, such as a blowpipe, substantially as shown.

121,092
DESIGN FOR A HAIRBRUSH
Lewis H. Gustafson, Northampton, Mass., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application January 17, 1940, Serial No. 89,526
Term of patent 7 years



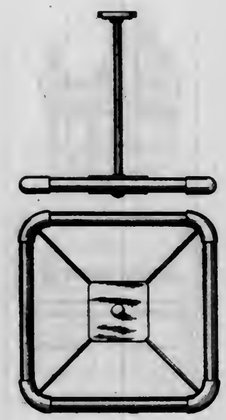
The ornamental design for a hairbrush, substantially as shown.

121,093
DESIGN FOR A FENDER FOR AUTOMOTIVE VEHICLES
James G. Heaslet, Hudson, Ohio, assignor to The Cleveland Tractor Company, Cleveland, Ohio
Application April 25, 1940, Serial No. 91,953
Term of patent 7 years



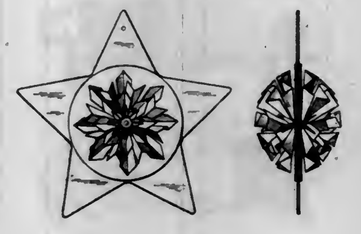
The ornamental design for a fender for automotive vehicles, as shown.

121,094
DESIGN FOR A LIGHTING FIXTURE
Wilfrid Paul Heath, Richmond Beach, Wash.
Application April 12, 1940, Serial No. 91,637
Term of patent 7 years



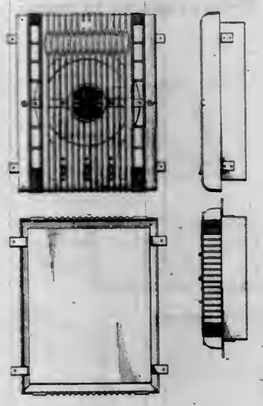
The ornamental design for a lighting fixture, as shown.

121,095
DESIGN FOR A CHRISTMAS TREE ORNAMENT
Charles Henry Hyman, Bronx, N. Y.
Application March 29, 1940, Serial No. 91,349
Term of patent 3½ years



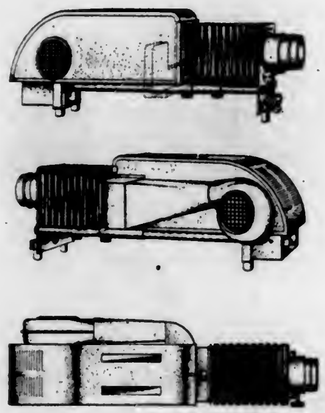
The ornamental design for a Christmas tree ornament, as shown.

121,096
DESIGN FOR AN ELECTRIC HEATER
Morris Markel and Duane L. Ripley, Buffalo, N. Y., assignors to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application February 23, 1940, Serial No. 90,454
Term of patent 3½ years



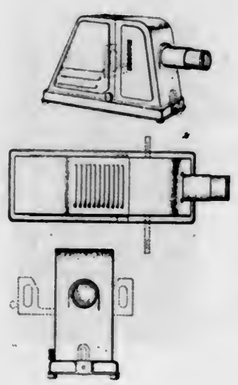
The ornamental design for an electric heater, substantially as shown.

121,097
DESIGN FOR A PROJECTOR
Harold Osterberg, Buffalo, and Thomas G. Aitcheson, Tonawanda, N. Y., assignors to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application March 29, 1940, Serial No. 91,331
Term of patent 14 years



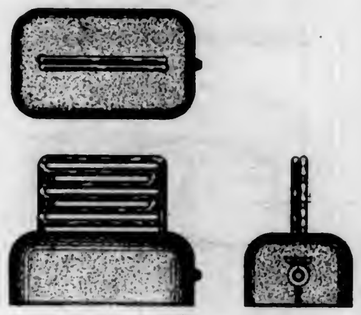
The ornamental design for a projector, substantially as shown and described.

121,098
DESIGN FOR A PROJECTOR
Harold Osterberg, Buffalo, and Charles M. Speranz, Kenmore, N. Y., assignors to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application March 29, 1940, Serial No. 91,332
Term of patent 14 years



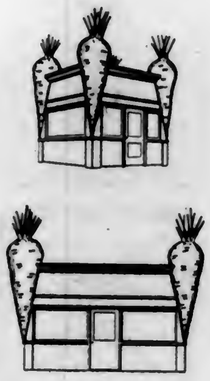
The ornamental design for a projector, substantially as shown and described.

121,099
DESIGN FOR AN OZONE PRODUCING MACHINE
William A. Pardey, Portland, Oreg.
Application October 7, 1939, Serial No. 87,566
Term of patent 3½ years



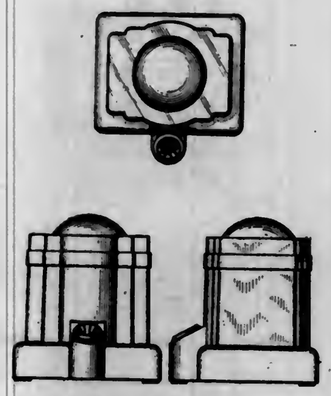
The ornamental design for an ozone producing machine, as shown.

121,100
DESIGN FOR A BUILDING
Arline Mary Scheider, Los Angeles, Calif.
Application January 6, 1940, Serial No. 89,336
Term of patent 14 years



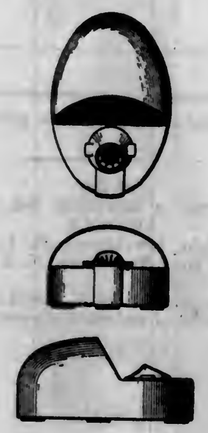
The ornamental design for a building, as shown and described.

121,101
DESIGN FOR AN INKSTAND OR THE LIKE
Gustav J. Sengbusch, Milwaukee, Wis.
Application April 22, 1940, Serial No. 91,831
Term of patent 7 years



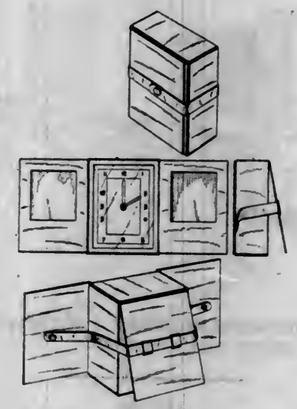
The ornamental design for an inkstand or the like, substantially as shown.

121,102
DESIGN FOR AN INKSTAND OR THE LIKE
Gustav J. Sengbusch, Milwaukee, Wis.
Application April 22, 1940, Serial No. 91,832
Term of patent 7 years



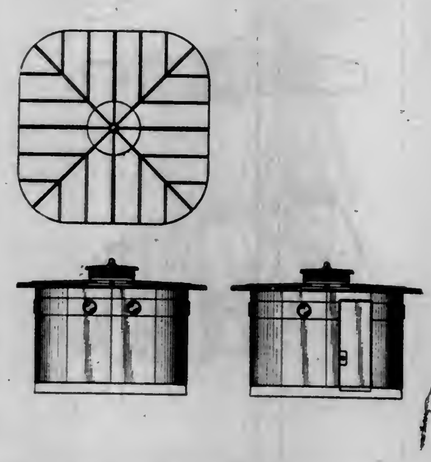
The ornamental design for an inkstand or the like, substantially as shown.

121,103
DESIGN FOR A COMBINED CLOCK AND PICTURE HOLDING CASE
Henry Sochard, Brooklyn, N. Y.
Application April 22, 1940, Serial No. 91,858
Term of patent 3½ years



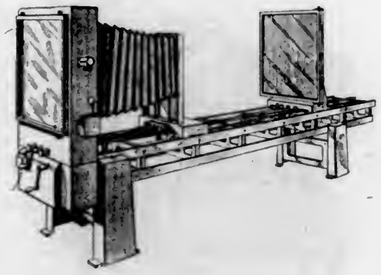
The ornamental design for a combined clock and picture holding case, substantially as shown.

121,104
DESIGN FOR A COMFORT STATION
Arthur C. Stewart, Pasadena, and Kem Weber, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application March 6, 1939, Serial No. 83,366
Term of patent 3½ years



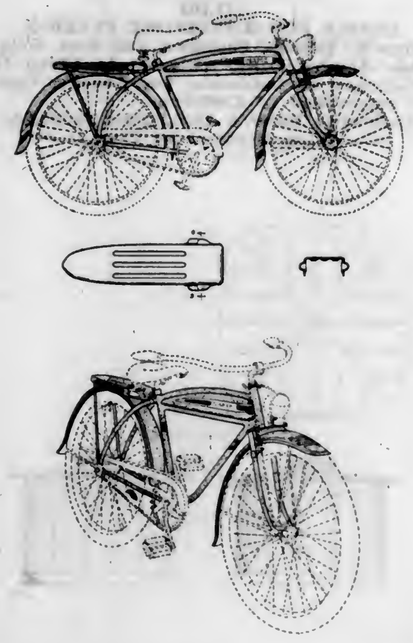
The ornamental design for a comfort station, substantially as shown and described.

121,105
DESIGN FOR A REPRODUCTION MACHINE
Victor J. Sussin, Chicago, Ill., assignor to Litho Equipment & Supply Company, Chicago, Ill., a partnership of Illinois
Application February 28, 1940, Serial No. 90,570
Term of patent 7 years



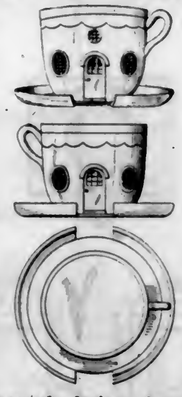
The ornamental design for a reproduction machine, as shown and described.

121,106
DESIGN FOR A BICYCLE
Walter Dorwin Teague, New York, N. Y., assignor to Montgomery Ward and Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1940, Serial No. 89,301
Term of patent 7 years



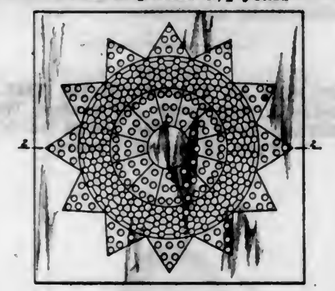
The ornamental design for a bicycle, as shown and described.

121,107
DESIGN FOR A BUILDING
Daniel G. Terrie, Rockville Centre, N. Y.
Application April 1, 1940, Serial No. 91,384
Term of patent 3½ years



The ornamental design for a building, as shown.

121,108
DESIGN FOR A GAME BOARD
Roland J. Velz, Colorado Springs, Colo.
Application October 20, 1939, Serial No. 87,770
Term of patent 3½ years



The ornamental design for a game board, as shown.

121,109
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Coro-Gram, Inc., New York, N. Y., a corporation of New York
Application May 11, 1940, Serial No. 92,291
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

121,110
DESIGN FOR A COMBINED DESK AND ARTIFICIAL FIREPLACE
Robert Williams, New York, N. Y.
Application April 1, 1940, Serial No. 91,378
Term of patent 14 years

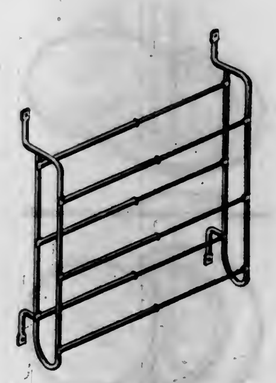
The ornamental design for a combined desk and artificial fireplace, substantially as shown and described.

121,111
DESIGN FOR CHENILLE SLACKS
Melvin D. Brod, New York, N. Y.
Application March 19, 1940, Serial No. 91,066
Term of patent 3½ years



The ornamental design for chenille slacks, as shown and described.

121,112
DESIGN FOR A SHOE RACK
Bruno Deja, Brooklyn, N. Y.
Application April 17, 1940, Serial No. 91,734
Term of patent 7 years



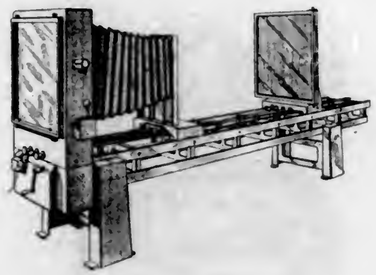
The ornamental design for a shoe rack, as shown.

121,113
DESIGN FOR A DRESS
Frances Dioguardi, New York, N. Y.
Application May 22, 1940, Serial No. 92,502
Term of patent 3½ years



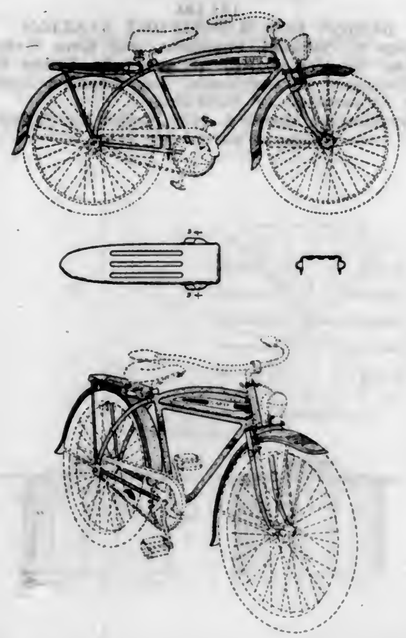
The ornamental design for a dress, substantially as shown.

121,105
DESIGN FOR A REPRODUCTION MACHINE
Victor J. Sussin, Chicago, Ill., assignor to Litho Equipment & Supply Company, Chicago, Ill., a partnership of Illinois
Application February 28, 1940, Serial No. 90,570
Term of patent 7 years



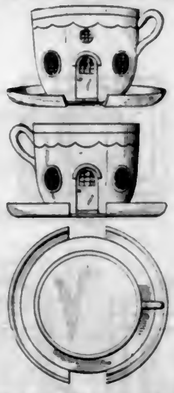
The ornamental design for a reproduction machine, as shown and described.

121,106
DESIGN FOR A BICYCLE
Walter Dorwin Teague, New York, N. Y., assignor to Montgomery Ward and Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1940, Serial No. 89,301
Term of patent 7 years



The ornamental design for a bicycle, as shown and described.

121,107
DESIGN FOR A BUILDING
Daniel G. Terrie, Rockville Centre, N. Y.
Application April 1, 1940, Serial No. 91,384
Term of patent 3½ years



The ornamental design for a building, as shown.

121,108
DESIGN FOR A GAME BOARD
Roland J. Velz, Colorado Springs, Colo.
Application October 20, 1939, Serial No. 87,770
Term of patent 3½ years

The ornamental design for a game board, as shown.

121,109
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Coro-Gram, Inc., New York, N. Y., a corporation of New York
Application May 11, 1940, Serial No. 92,291
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

121,110
DESIGN FOR A COMBINED DESK AND ARTIFICIAL FIREPLACE
Robert Williams, New York, N. Y.
Application April 1, 1940, Serial No. 91,378
Term of patent 14 years



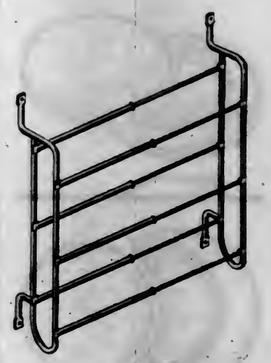
The ornamental design for a combined desk and artificial fireplace, substantially as shown and described.

121,111
DESIGN FOR CHENILLE SLACKS
Melvin D. Brod, New York, N. Y.
Application March 19, 1940, Serial No. 91,066
Term of patent 3½ years



The ornamental design for chenille slacks, as shown and described.

121,112
DESIGN FOR A SHOE RACK
Bruno Deja, Brooklyn, N. Y.
Application April 17, 1940, Serial No. 91,734
Term of patent 7 years



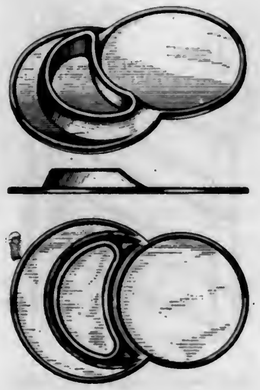
The ornamental design for a shoe rack, as shown.

121,113
DESIGN FOR A DRESS
Frances Dioguardi, New York, N. Y.
Application May 22, 1940, Serial No. 92,502
Term of patent 3½ years



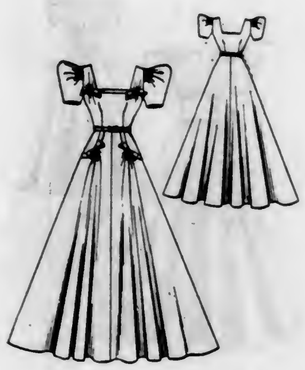
The ornamental design for a dress, substantially as shown.

121,114
DESIGN FOR A COMBINED COASTER AND ASH TRAY
Leo J. Du Mais, Chicago, Ill.
Application October 5, 1939, Serial No. 87,525
Term of patent 3½ years



The ornamental design for a combined coaster and ash tray, substantially as shown.

121,115
DESIGN FOR A DRESS
Alice Engel, New York, N. Y.
Application May 22, 1940, Serial No. 92,498
Term of patent 3½ years



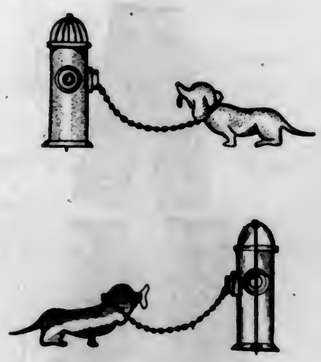
The ornamental design for a dress, substantially as shown.

121,116
DESIGN FOR A COAT LINING
Philip Feldman, New York, N. Y.
Application April 17, 1940, Serial No. 91,725
Term of patent 3½ years



The ornamental design for a coat lining, substantially as shown.

121,117
DESIGN FOR A LAPEL PIN
Sol Holstein, New York, N. Y.
Application May 14, 1940, Serial No. 92,359
Term of patent 3½ years



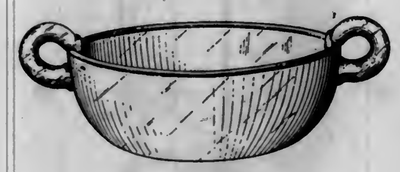
The ornamental design for a lapel pin, substantially as shown.

121,118
DESIGN FOR A CLIP OR SIMILAR ARTICLE OF JEWELRY
Isabelle Zion Joyce, Chicago, Ill., assignor to Spaulding-Gorham, Inc., Chicago, Ill., a corporation of Illinois
Application November 8, 1939, Serial No. 88,125
Term of patent 3½ years



The ornamental design for a clip or similar article or jewelry, substantially as shown.

121,119
DESIGN FOR A CENTERPIECE BOWL OR SIMILAR ARTICLE
Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1938, Serial No. 74,897
Term of patent 3½ years



The ornamental design for a centerpiece bowl or similar article, substantially as shown and described.

121,120
DESIGN FOR A JACKET
Wilbur J. Kupfrian, Hasbrouck Heights, N. J.
Application February 11, 1939, Serial No. 82,921
Term of patent 7 years



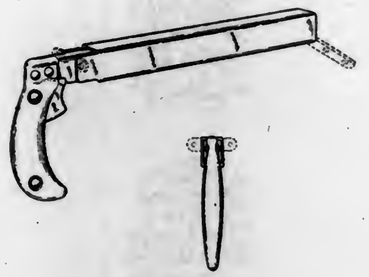
The ornamental design for a jacket, substantially as shown.

121,121
DESIGN FOR AN EYESHIELD
William H. Lehmberg, Dudley, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 27, 1940, Serial No. 89,764
Term of patent 14 years



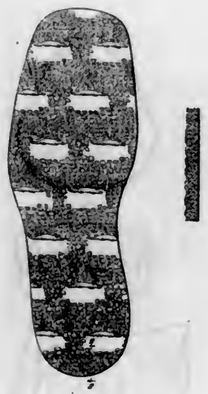
The ornamental design for an eyeshield, substantially as shown and described.

121,122
DESIGN FOR A BRAKE ACTUATOR OR SIMILAR ARTICLE
Charles S. McCarthy, Toledo, Ohio, assignor to The Logan Gear Company, Toledo, Ohio, a corporation of Ohio
Application March 30, 1939, Serial No. 83,928
Term of patent 3½ years



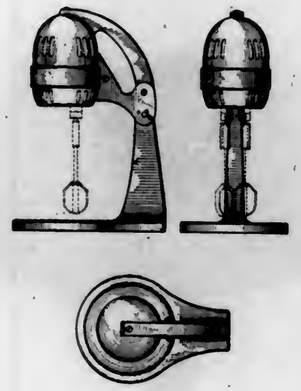
The ornamental design for a brake actuator or similar article, as shown and described.

121,123
DESIGN FOR A SHOE SOLE OR SIMILAR ARTICLE
Eugene J. McCarthy, Chelsea, Mass., assignor to A. G. Walton & Co. Inc., Chelsea, Mass., a corporation of Massachusetts
Application May 7, 1940, Serial No. 92,198
Term of patent 3½ years



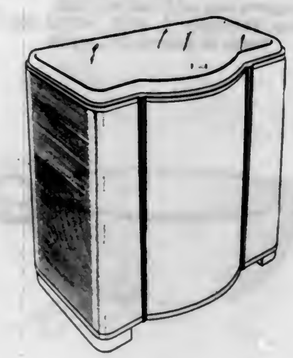
The ornamental design for a shoe sole or similar article, substantially as shown.

121,124
DESIGN FOR A MIXER
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 26, 1940, Serial No. 91,971
Term of patent 7 years



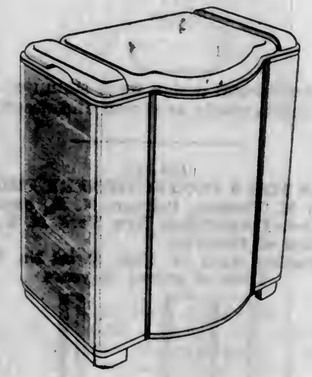
The ornamental design for a mixer, as shown.

121,125
DESIGN FOR A HAMPER OR SIMILAR ARTICLE
George Rahner, New York, N. Y., assignor to Harold Gleitsman, New York, N. Y.
Application February 14, 1939, Serial No. 82,975
Term of patent 14 years



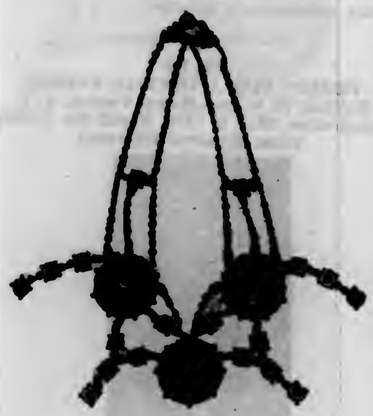
The ornamental design for a hamper or similar article, as shown.

121,126
DESIGN FOR A HAMPER OR SIMILAR ARTICLE
George Rahner, New York, N. Y., assignor to Harold Gleitsman, New York, N. Y.
Application February 14, 1939, Serial No. 82,976
Term of patent 14 years



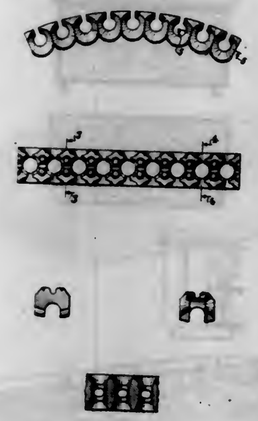
The ornamental design for a hamper or similar article, as shown.

121,127
DESIGN FOR A NECKLACE
Harry Reinstein, Bronx, N. Y.
Application October 12, 1939, Serial No. 87,632
Term of patent 3½ years



The ornamental design for a necklace, substantially as shown.

121,128
DESIGN FOR A GEM SETTING FOR FINGER RING AND THE LIKE
Jacob H. Schaeffer, Brooklyn, N. Y.
Application April 30, 1940, Serial No. 92,036
Term of patent 7 years



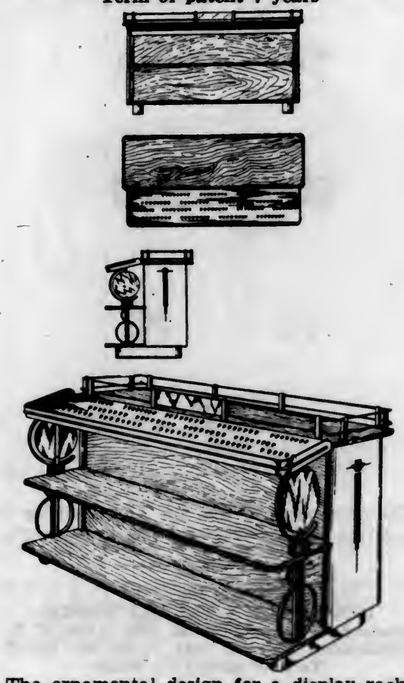
The ornamental design for a gem setting for finger ring and the like, substantially as shown.

121,129
DESIGN FOR A TEXTILE FABRIC
Howard B. Schneiderwind, New York, N. Y.
Application May 18, 1940, Serial No. 92,437
Term of patent 3½ years



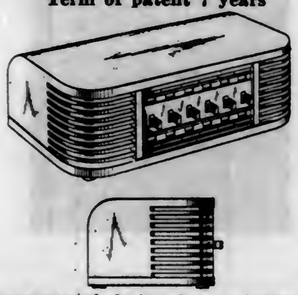
The ornamental design for a textile fabric, substantially as shown.

121,130
DESIGN FOR A DISPLAY RACK OR SIMILAR ARTICLE
Lee A. Shelton, Des Moines, Iowa, assignor to New Monarch Machine & Stamping Co., Des Moines, Iowa
Application January 29, 1940, Serial No. 89,858
Term of patent 7 years



The ornamental design for a display rack or similar article, substantially as shown and described.

121,131
DESIGN FOR AN INTERCOMMUNICATING TELEPHONE STATION CABINET OR SIMILAR ARTICLE
Adam Stolzenberger, Jr., Glendale, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application March 29, 1940, Serial No. 91,338
Term of patent 7 years



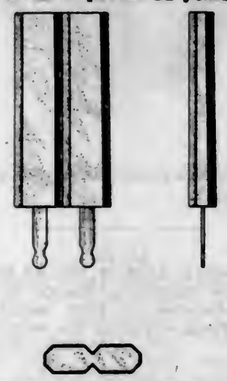
The ornamental design for an intercommunicating telephone station cabinet or similar article, as shown and described.

121,132
DESIGN FOR A STAMP OR SIMILAR ARTICLE
Arthur Strauss, New York, N. Y.
Application February 19, 1940, Serial No. 90,361
Term of patent 3½ years



The ornamental design for a stamp or similar article, substantially as shown and described.

121,133
DESIGN FOR A CONFECTIONERY PRODUCT
Norman M. Thomas, Pelham, N. Y., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application April 16, 1940, Serial No. 91,826
Term of patent 14 years



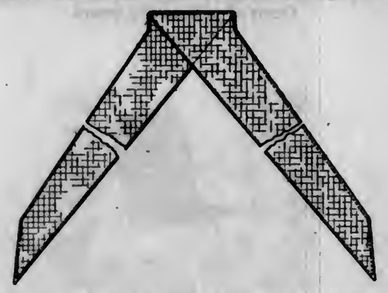
The ornamental design for a confectionery product, substantially as shown.

121,134
DESIGN FOR A TEXTILE FABRIC
William W. Weber, Mount Vernon, N. Y.
Application May 8, 1940, Serial No. 92,210
Term of patent 3½ years



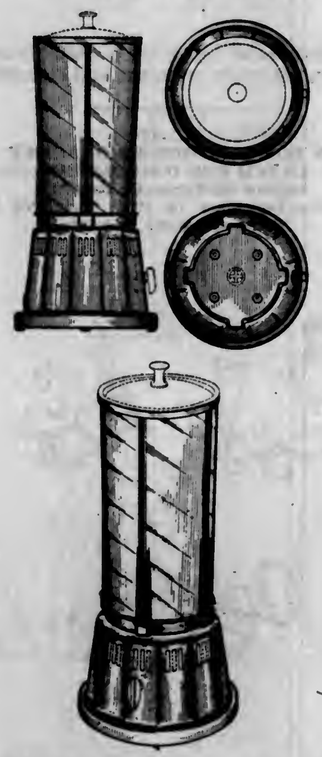
The ornamental design for a textile fabric, substantially as shown.

121,135
DESIGN FOR A SCARF
Priscilla Witti, Chicago, Ill.
Application April 15, 1939, Serial No. 84,323
Term of patent 3½ years



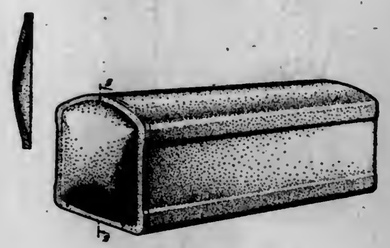
The ornamental design for a scarf, substantially as shown and described.

121,136
DESIGN FOR A MIXER
Bernhart A. Benson, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 14, 1939, Serial No. 88,284
Term of patent 7 years



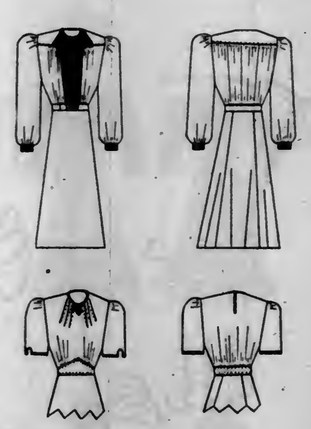
The ornamental design for a mixer, substantially as shown and described.

121,137
DESIGN FOR A BURIAL VAULT
Robert F. Donahey, Shaker Heights, Ohio
Application August 21, 1939, Serial No. 86,813
Term of patent 14 years



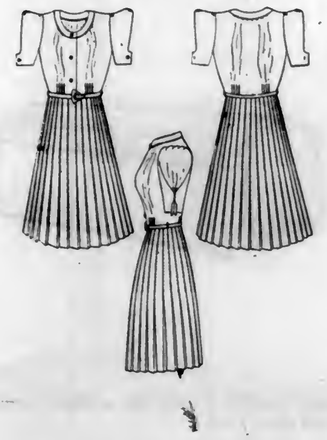
The ornamental design for a burial vault, as shown and described.

121,138
DESIGN FOR A DRESS ENSEMBLE
Alfred O. Gilbert, Chicago, Ill.
Application May 11, 1940, Serial No. 92,302
Term of patent 3½ years



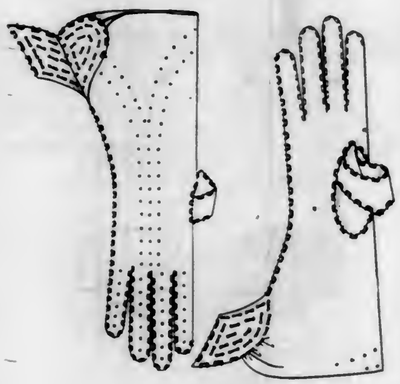
The ornamental design for a dress ensemble, substantially as shown.

121,139
DESIGN FOR A DRESS
Samuel Grossman, Chicago, Ill.
Application February 15, 1940, Serial No. 90,290
Term of patent 3½ years



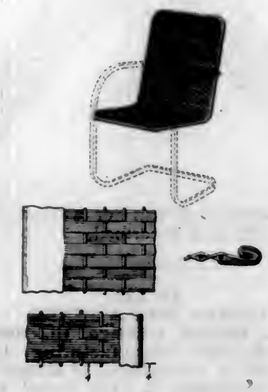
The ornamental design for a dress, as shown.

121,140
DESIGN FOR A GLOVE
Mathilda Hacker, New York, N. Y.
Application May 1, 1940, Serial No. 92,054
Term of patent 3½ years



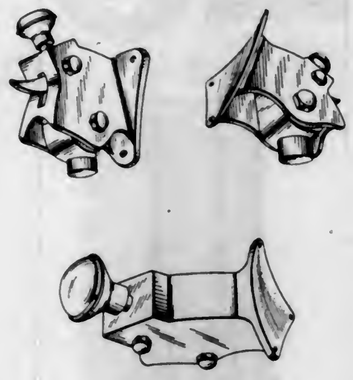
The ornamental design for a glove, substantially as shown.

121,141
DESIGN FOR A CHAIR OR SIMILAR ARTICLE
Lewis Larsen, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application April 9, 1940, Serial No. 91,559
Term of patent 3½ years



The ornamental design for a chair or similar article, substantially as shown, and described.

121,142
DESIGN FOR A COMBINED BRACKET AND LATCH FOR HAIR DRIERS
Andrew Madaras, Chicago, Ill.
Application December 18, 1939, Serial No. 88,997
Term of patent 14 years



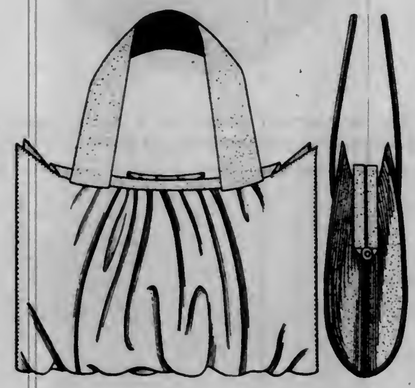
The ornamental design for a combined bracket and latch for hair driers, as shown.

121,143
DESIGN FOR A TEXTILE FABRIC
Howard Veit, New York, N. Y.
Application February 17, 1940, Serial No. 90,332
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

121,144
DESIGN FOR A HANDBAG
Bernard White, New York, N. Y.
Application May 16, 1940, Serial No. 92,406
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown, and described.

121,145
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application May 29, 1940, Serial No. 92,669
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

121,146
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application May 29, 1940, Serial No. 92,670
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

121,147
DESIGN FOR A COAT
Norman Jacobson, New York, N. Y.
Application March 14, 1940, Serial No. 90,908
Term of patent 3½ years



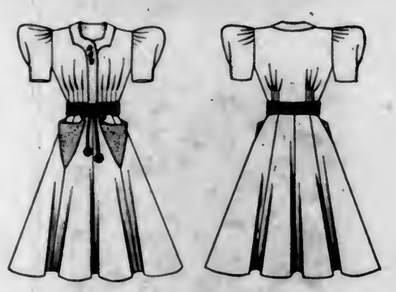
The ornamental design for a coat, substantially as shown.

121,148
DESIGN FOR A DRESS
Albert Nager, New York, N. Y.
Application May 27, 1940, Serial No. 92,625
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

121,149
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application June 1, 1940, Serial No. 92,724
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

121,150
DESIGN FOR A RIBBON FABRIC OR SIMILAR ARTICLE
Jacob Schnitt, New York, N. Y., assignor to Gershon Amster, Brooklyn, N. Y.
Application April 29, 1940, Serial No. 92,009
Term of patent 7 years



The ornamental design for a ribbon fabric or similar article, substantially as shown.

Patents Nos. 2,205,378 to 2,206,009

THE
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OF THE
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June 25, 1940

Trade Marks	195—No.	378,875 to No.	379,069, inclusive.
T. M. Renewals	54		
Labels	63—No.	55,000 to No.	55,063, inclusive.
Prints	31—No.	18,052 to No.	18,082, inclusive.
Reissues	12—No.	21,486 to No.	21,498, inclusive.
Plant Patents	2—No.	405 to No.	406, inclusive.
Patents	632—No.	2,205,378 to No.	2,206,009, inclusive.
Designs	115—No.	121,151 to No.	121,265, inclusive.
Total	1,105		

Trade-Mark Registrations Canceled

145,590. Canned fish. The Alaska Salmon & Herring Packers, Inc., Seattle, Wash. Registered August 16, 1921. Canceled May 17, 1940.

178,916. Fresh fruits. Lindsay Co-Operative Citrus Association, Lindsay, Calif. Registered January 29, 1924. Canceled May 17, 1940.

357,866. Apparel for men, women, and children. Samuel Fink, Utica, N. Y. Registered June 14, 1938. Canceled May 17, 1940.

372,831. Olives. La Mirada Olive Company, San Francisco, Calif. Registered November 14, 1939. Canceled May 17, 1940.

Notice

The MANUAL OF CLASSIFICATION of the Patent Office, edition of January 1, 1940, in loose leaf form, without binder, may be secured from The Superintendent of Documents, Government Printing Office, Washington, D. C., for $1.50 per copy, which will include correction sheets as issued.

Disclaimers

1,832,719.—*Fred P. McBerty*, Warren, Ohio. COMBINED ELECTRIC WELDER AND FLASH STRIPPER. Patent dated November 17, 1931. Disclaimer filed May 29, 1940, by the assignee, *The Federal Machine & Welder Company*.

Hereby disclaims claims 1, 4, 12, and 13 of said patent.

2,017,744.—*Roland B. Bourne*, Hartford, Conn. SOUND ATTENUATING DEVICE. Patent dated October 15, 1935. Disclaimer filed May 24, 1940, by the assignee, *The Maxim Silencer Company*.

Hereby enters this disclaimer to claims 1, 2, 3, 6, 8, and 53 in said patent.

2,073,049.—*George H. Dawson*, Chicago, Ill. LOOSE LEAF BINDER. Patent dated March 9, 1937. Disclaimer filed May 24, 1940, by the assignee, *Wilson-Jones Company*.

Hereby enters this disclaimer to claims 1 and 3 of said patent.

2,086,508.—*Arthur W. Mueller*, Cincinnati, Ohio. ROTATABLE BIN. Patent dated July 6, 1937. Disclaimer filed May 28, 1940, by the assignee, *The Frick-Gallagher Manufacturing Company*.

Hereby enters this disclaimer as to that part of the specification which is expressed in claim 15 of said Letters Patent.

2,130,510.—*Arthur L. Samuel*, Summit, N. J. ELECTRON DISCHARGE DEVICE. Patent dated September 20, 1938. Disclaimer filed May 31, 1940, by the assignee, *Bell Telephone Laboratories, Incorporated*.

Hereby enters this disclaimer to the subject-matter of claims 1, 2, and 12.

2,161,980.—*Wilhelm Runge* and *Hans Otto Roosenstein*, Berlin, Germany. ELASTICALLY OSCILLATING OSCILLATOR. Patent dated June 13, 1939. Disclaimer filed May 24, 1940, by the inventors.

Hereby disclaim claims 1, 5, 8, and 9 of said patent, and disclaim from the scope of claims 4, 6, and 7 all resonators except those wherein the vibrating or oscillating portion is centrally located with respect to the support or base portion.

2,165,088.—*Ralph L. Anderson*, Moline, Ill. PICK-UP DEVICE. Patent dated July 4, 1939. Disclaimer filed May 31, 1940, by the assignee, *Deere & Company*.

Hereby enters this disclaimer to claims 11, 13, 14, 15, 17, 18, and 19 of said Letters Patent.

Condition of Applications Under Examination at Close of Business June 8, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,219; Trade-Mark Division, 1,375. Oldest new case, Sept. 2, 1939; oldest amended, Oct. 19, 1939.)
(The dates given are 1940 except where † indicates 1939)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 12	Jan. 13	584
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	†Nov. 17	†Nov. 13	854
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furances	Apr. 9	Apr. 10	326
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Jan. 10	Jan. 6	537
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons.	Mar. 14	Mar. 11	358
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	†Nov. 3	†Nov. 8	1,010
5725	7. JARBOE, C. G., Optics; Photography	Jan. 25	Jan. 19	1,034
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	†Dec. 11	†Dec. 15	1,127
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Dec. 30	†Dec. 21	787
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Mar. 5	Mar. 30	383
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 18	Mar. 18	401
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Jan. 30	Jan. 12	494
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 5	Jan. 8	687
5097	14. REYNOLDS, E. L., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Feb. 23	Feb. 12	660
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	†Dec. 14	†Dec. 12	1,211
5716	16. SPENCER, C. J., Telegraphy; Telephony	Jan. 17	Jan. 16	554
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 7	Feb. 5	561
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 11	†Dec. 22	612
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 29	Feb. 29	556
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 12	Mar. 5	317
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar. 8	Mar. 7	463
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Oct. 30	†Oct. 30	1,183
7624	23. BUTTNER, W. J., Registers (part)	†Oct. 24	†Oct. 19	269
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Oct. 21	†Nov. 3	1,534
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 10	Feb. 12	546
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Jan. 20	Jan. 29	455
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	†Dec. 22	†Dec. 11	862
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Feb. 10	†Dec. 8	528
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	†Dec. 22	†Dec. 19	899
4083	30. McCANN, L. P. (Act.), Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Feb. 9	Feb. 12	609
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Feb. 8	Feb. 8	1,014
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Mar. 25	Mar. 28	209
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Feb. 3	Feb. 3	944
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Mar. 22	Mar. 19	248
3876	35. BROMLEY, E. D. (Act.), Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Jan. 17	Jan. 11	804
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	†Dec. 26	†Dec. 22	813
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	†Dec. 28	†Dec. 28	660
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering: Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Nov. 10	†Nov. 10	801
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 31	Feb. 1	609
7890	40. DRUMMOND, E. J. (Act.), Metallic, Wood, Paper, and Special Receptacles	†Nov. 4	†Nov. 6	2,028
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Jan. 9	†Dec. 16	292
5882	42. CUTTING, H. O., Electric Signaling	†Nov. 16	†Nov. 3	675
4886B	43. KLINGE, F. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Jan. 25	Jan. 29	483
4087B	44. HARVEY, L. P., Refrigeration	Jan. 4	Dec. 20	725
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Mar. 6	Feb. 21	414
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Jan. 10	Jan. 18	755
6082	47. KANOF, W. J. (Act.), Clutches; Brakes	Feb. 6	Feb. 9	447
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 2	Jan. 31	540
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	†Dec. 5	†Dec. 5	945
4701	50. LEVIN, S. (Act.), Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Jan. 10	Jan. 10	1,516
5628	51. BACKUS, C. D., Radiant Energy (part)	Mar. 25	Mar. 26	537
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Jan. 18	Feb. 3	751
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Mar. 15	Jan. 10	398
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Apr. 20	Apr. 6	279
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Jan. 3	Jan. 13	482
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	†Dec. 8	†Dec. 8	1,250
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	†Sept. 2	Feb. 23	366
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	†Dec. 19	†Dec. 23	448
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	†Dec. 29	†Dec. 21	793
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Mar. 8	Mar. 28	330
6724	61. YUNG KWAI, B. (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Jan. 19	Jan. 20	646
5621	62. PUGH, E. C., Games; Geometrical Instruments	Apr. 13	Apr. 1	289
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	†Oct. 26	†Oct. 30	1,175
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Mar. 13	Mar. 12	664
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Mar. 7	Mar. 12	451
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	May 1	May 18	1,363
	{Labels and Prints	June 8	June 8	12
2605	Designs: H. H. KALUPY	May 2	May 20	861

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

ETHYL GASOLINE CORPORATION, EARLE W. WEBB AND JOHN COARD TAYLOR
v.
THE UNITED STATES OF AMERICA

No. 536. Decided March 25, 1940

1. PATENT MONOPOLY—SCOPE.

"The patent law confers on the patentee a limited monopoly, the right or power to exclude all others from manufacturing, using, or selling his invention. R. S. 4884, 35 U. S. C. 40. The extent of that right is limited by the definition of his invention, as its boundaries are marked by the specifications and claims of the patent."

2. SAME—SAME—MAY NOT BE ENLARGED BY CONDITION IN LICENSE.

"He may grant licenses to make, use or vend, restricted in point of space or time, or with any other restriction upon the exercise of the granted privilege, save only that by attaching a condition to his license he may not enlarge his monopoly and thus acquire some other which the statute and the patent together did not give."

3. SAME—SAME—SAME.

"He may not, by virtue of his patent, condition his license so as to tie to the use of the patented device or process the use of other devices, processes or materials which lie outside of the monopoly of the patent licensed; * * * or condition the license so as to control conduct by the licensee not embraced in the patent monopoly; * * * or upon the maintenance of resale prices by the purchaser of the patented article."

4. SAME—EXHAUSTED BY AUTHORIZED SALES.

Where appellant, as patentee, possesses exclusive rights to make and sell a certain fluid compound containing tetraethyl lead, and lead-treated motor fuel, *Held* that "By its sales to refiners it relinquishes its exclusive right to use the patented fluid and it relinquishes to the licensed jobbers its exclusive rights to sell the lead-treated fuel by permitting the licensed refiners to manufacture and sell the fuel to them. And by the authorized sales of the fuel by refiners to jobbers the patent monopoly over it is exhausted, and after the sale neither appellant nor the refiners may longer rely on the patents to exercise any control over the price at which the fuel may be resold."

5. SAME—SHERMAN ACT—VIOLATION OF.

Where appellant established the marketing of its patented fuel in vast amounts on a nationwide scale through jobbers and at the same time, by the leverage of its licensing contracts resting on the fulcrum of its patents, built up a combination capable of use, and actually used, as a means of controlling jobbers' prices and suppressing competition among them, *Held* "It seems plain that this attempted regulation of prices and market practices of the jobbers with respect to the fuel purchased, for which appellant could not lawfully contract, cannot be lawfully achieved by entering into contracts or combinations through the manipulation of which the same results are reached by the exercise of the power which they give to control the action of the purchasers. Such contracts or combinations which are used to obstruct the free and natural flow in the channels of interstate commerce of trade even in a patented article, after it is sold by the patentee or his licensee, are a violation of the Sherman Act."

6. SAME—ENLARGEMENT OF SCOPE.

"The patent monopoly of one invention may no more be enlarged for the exploitation of a monopoly of another, * * * than for the exploitation of an unpatented article, * * * or for the exploitation or promotion of a business not embraced within the patent."

7. SAME—PROTECTION OF HEALTH, AND QUALITY OF PRODUCT—SUPPRESSION OF UNLAWFUL PRACTICES.

Where the trial court was of opinion that such interest as appellant has in protecting the health of the public in connection with the distribution of the fuel, and in preventing adulteration, deterioration and dilution of the motor fuel in the hands of the jobbers may be adequately protected without resort to the jobber license device which has been and is capable of being used for other and illicit purposes, *Held* that "Since the unlawful control over the jobbers was established and maintained by resort to the licensing device, the decree rightly suppressed it even though it had been or might continue to be used for some lawful purposes. The court was bound to frame its decree so as to suppress the unlawful practices and to take such reasonable measures as would preclude their revival.".

APPEAL from the District Court of the United States for the Southern District of New York. Affirmed.

Mr. Dean G. Acheson (*Mr. H. Thomas Austern* with him on the brief) for Ethyl Gasoline Corporation, Earle W. Webb and John Coard Taylor.

Mr. Thurman Arnold (*Mr. Francis Biddle, Mr. Hugh B. Cox, Mr. James C. Wilson, Mr. Samuel S. Isseks, Mr. John Henry Lewin*, and *Mr. Samuel E. Darby, Jr.*, with him on the brief) for The United States of America.

Mr. Justice STONE delivered the opinion of the Court.

The Government brought this suit in the District Court for Southern New York, to restrain appellant, Ethyl Gasoline Corporation, a Delaware corporation, and the other appellants, who are its officers, from granting licenses, under patents controlled by it, to jobbers to sell and distribute lead-treated motor fuel, and from enforcing provisions in licenses to oil refiners which restrict their sale of the motor fuel to the licensed jobbers, as violations of the Sherman Anti-trust Act. 26 Stat. 209, 15 U. S. C. § 1, as amended August 17, 1937, 50 Stat. 693. The trial court granted the relief sought and from its decision in favor of the Government the case comes here on direct appeal under the provisions of § 2 of the Expediting Act of February 11, 1903, as amended 36 Stat. 1167, 15 U. S. C. § 29; § 238 of the Judicial Code, as amended 43 Stat. 938, 28 U. S. C. § 345.

The case was tried on an agreed statement of facts which was incorporated in the findings of the trial court and, except as noted, there is no dispute as to the facts. The appellant corporation is engaged in the manufacture and sale of a patented fluid compound containing tetraethyl lead, a poisonous substance, which, when added to gasoline used

as a motor fuel, increases the efficiency of high pressure combustion engines in which the fuel is consumed. The Ethyl Corporation owns two patents covering the composition of the fluid, No. 1,592,954 of July 20, 1926, and No. 1,668,022 of May 1, 1928. It has a third patent, No. 1,573,846 of February 23, 1926, claiming a motor fuel produced by mixing gasoline with the patent fluid compound, which is claimed also by the two patents first mentioned. It also has a patent, No. 1,787,419, of December 30, 1930, claiming a method of using fuel containing the patented fluid in combustion motors. The corporation manufactures and sells the patented fluid to oil refiners, solely for use in the production of the improved type of motor fuel. It issues licenses under its patents to refiners and to jobbers of motor fuel on terms and conditions presently to be noted, but it does not charge or receive any royalty for its licenses. It derives its profit solely from the sale of the patented ethyl fluid to its refiner licensees.

The licensing agreements

Appellant grants licenses under its patents to most of the large oil refining companies in the United States, to manufacture, sell and distribute motor fuel containing the patented fluid. The licenses provide that appellant will sell to the licensees their requirements of the patented fluid. They prohibit the licensees from selling the manufactured product to any except to other licensed refiners, to jobbers licensed by appellant and to retail dealers and consumers. They require the licensed refiners to mix the patented fluid with the gasoline at their refineries with equipment approved by appellant and in conformity to regulations promulgated by the Surgeon General of the United States and any other governmental body having jurisdiction. The refiners agree to impose obligations on all purchasers to conform to such health regulations and to require them to impose like obligations on those to whom they sell. The refiners agree, upon notice by appellant, to discontinue sales to other refiners or jobbers whose licenses appellant has cancelled. The licenses also provide for the maximum amount of the fluid to be used in the gasoline; and that, within that limit, the licensees' regular or "best non-premium" gasoline shall have a maximum octane rating of 70[1] and shall be sold as the next highest price motor fuel of the licensee below the licensee's ethyl gasoline, which shall have a minimum octane rating of 76 and shall be sold at a certain fixed price differential above the average net sales price of the licensees' best non-premium grade of commercial gasoline. The licenses further provide the conditions under which the name of the Ethyl Corporation and its trade-mark or trade names may be used in connection with the advertising and sale of the patented motor fuel.[2]

Jobbers are generally required by appellant to apply for licenses through the refiners from whom they expect to purchase the motor fuel. The licenses to jobbers purport to grant the right to sell and deliver to retail dealers and consumers within a specified territory regular and ethyl gasoline, manufactured and sold by a designated licensed refiner.[3] The licensed jobbers are required to furnish appellant monthly with a list of all places at which the motor fuel is sold under the licenses. They agree to comply with health regulations relating to the handling of the motor fuel promulgated by the Surgeon General or other governmental agency; to post and distribute any notices concerning the handling of such fuel as required by the appellant; to permit physical examination of employees, and to require customers purchasing for resale to assume similar obligations. Adulteration and dilution of motor fuel distributed under the licenses is prohibited, and requirements similar to those contained in refiner licenses are imposed with respect to the use of appellant's corporate name and trade names in connection with the advertising and sale of the motor fuel. Appellant is given the right to cancel the jobbers' licenses at any time for failure to comply with their terms, and either party may cancel, with or without cause, on thirty days' written notice.

Effect of the licensing agreements on the oil industry

The licensing system established by appellant affects and controls the business of the major part of those engaged in manufacturing and distributing motor fuel oil in the United States. Appellant issues licenses to 123 refiners, including every leading oil company, except one, the Sun Oil Company, which does not generally do business through jobbers. They refine 88% of all gasoline sold in the United States, and the gasoline processed by them under the license agreements is 70% of all the gasoline thus sold, and 85% of all gasoline processed to obtain a high octane rating.

Any jobber in the United States desiring to sell lead-treated gasoline must secure a license from the Ethyl Corporation, revocable at its will, before it can procure the gasoline from licensed refiners. Of the 12,000 jobbers doing business in the United States approximately 11,000 are licensed by appellant. The jobber must procure a new license on changing his source of supply. The greater part of

[1] The utility of lead-treated gasoline for use in high compression engines is expressed in terms of octane numbers, an arbitrary scale of measurement indicating the relative degree of compression to which the fuel may be subjected without causing "knock" in the engine, which is prevented or reduced by the use of the fuel. The octane rating of motor fuel increases with the amount of the patented fluid added to the gasoline which, in any case, is small. Appellant's licenses to refiners authorize the manufacture of gasoline of high octane rating, 68 or more, of two classes, "regular", in which there is one part of tetraethyl lead to 4200 parts of gasoline, and "ethyl gasoline", in which there is one part of tetraethyl lead to 1700 parts of gasoline.

[2] The name of the Ethyl Corporation and its trade-mark or trade names "Ethyl" and "Q" may not be used in connection with the advertising and sale of regular gasoline. All the licensees, with the exception of the Standard Oil Company of New Jersey, which markets the product under the name "Esso", are required to use the word "Ethyl" in connection with the sale and distribution of the Ethyl gasoline.

[3] The only obligation which the licensor assumes toward the jobbers is to defend them against patent and trade-mark infringement suits.

all gasoline treated with the patented fluid is sold and transported in interstate commerce. It is sold in part through wholesale and retail outlets owned and controlled by the refiners and in part to individual retailers and consumers. A large volume and a substantial part of the whole is distributed through licensed jobbers to whom it is delivered at their bulk storage plants through the channels of interstate commerce.

By their terms, the licensing agreements serve to exclude all unlicensed jobbers from the market, and in the particulars already mentioned, and in others presently to be discussed, they control the conduct of the business of licensed jobbers in the distribution of the patented motor fuel and enable appellant at will to exclude others from the business. The refiners' licenses also in terms place restraints on the sales price of refiners by establishing the prescribed differential between regular and ethyl gasoline. From this and from the other stipulated facts the Government argues that the control acquired through the licensing agreements over the refiners and jobbers has been used by appellants to control the business practices of the jobbers and particularly to maintain resale prices of the patented motor fuel in unlawful restraint of interstate commerce. In support of this contention it relies upon the long established practice of appellant to refuse to grant licenses to jobbers who cut prices or refuse to conform to the marketing policies and posted prices of the major refineries or the market leaders among them.

Decisions below and contentions of appellants

The trial court concluded that in view of the indefinite language of the stipulation it was perhaps a permissible, though not a necessary conclusion that an agreement or understanding for the maintenance of prices existed between the appellant and the jobber licensees. But it considered it unnecessary to decide this issue, since it found that the appellant's licensing practices affecting the jobbers, in conjunction with the agreements and cooperation of the licensed refiners, had been used by appellant as the means of excluding from the market the unlicensed jobbers who do not conform to the market policies and posted gasoline prices adopted by the major oil companies or the market leaders among them, and that appellant uses the control thus established to coerce adherence to those policies and prices generally by the licensed jobbers, and that this restriction upon the industry effected through the license contracts with refiners and jobbers was not within appellant's patent monopoly, and operated unreasonably to restrain interstate commerce in the processed gasoline.

It concluded that the licensing system was not, as appellant argues, necessary for the protection of such legitimate interests as the patentee had in the protection of the quality of the treated gasoline sold upon the market, and its use by the jobbers with safety to the public health. Appellants were accordingly enjoined from enforcing or attempting to enforce, or including in any subsequent agreement provisions that refiners shall sell lead-treated gasoline only to licensed jobbers, and from requiring or attempting to require jobbers to secure licenses, and from enforcing or attempting to enforce the provisions of any outstanding jobber licenses. The decree also declared the jobber licenses illegal and required appellant to notify the jobbers that the licenses have been cancelled.

Appellant, insisting that it does not use the jobbers' licensing system to maintain prices, makes two principal attacks on the decree. It urges that the licensing of the refiners and jobbers, the restraints upon the sale of the patented fuel by the refiners, and the restrictions placed upon the jobbers, are all reasonably necessary for the commercial development of appellant's patents and for insuring a financial return from them, and are therefore within its patent monopoly. In any case, it is said that the conditions attached to the refiners' and jobbers' licenses are appropriate and reasonably adapted to the maintenance of the quality of the product and for the protection of the public in its use of a product containing a dangerous poison, and both are essential to the maintenance of the market for the patented fuel, on which the market for appellant's patented fluid depends. And since the jobbers' licenses are a necessary or appropriate means of protecting the interests of appellant and the public in the quality and safe use of the patented product, it is argued that the decree abolishing the whole system of jobbers' licenses went further than was necessary or proper to prevent such restraint as there may have been exerted on the jobbers with respect to prices and marketing policies.

Relation of the licensing agreements to price maintenance

For the moment we may lay to one side the particular restrictions enumerated in the contracts of the refiners with jobbers, and turn to the relation of appellant's licensing policy to the maintenance of price policies by the jobbers. While the trial court found no contract or agreement which purports to prescribe resale prices or to exact any price policy of the jobbers, the stipulation of facts shows that appellant, through its patents, its contracts, and its licensing policy, has acquired the power to exclude at will from participation in the nation-wide market for lead-treated motor fuel all of the 12,000 motor fuel jobbers of the country, by refusing to license any of the 1,000 unlicensed jobbers, or by cancelling, as it may at will, the licenses of any of the 11,000 licensed jobbers. This we assume, for present purposes, it could lawfully do by virtue of the power conferred by its patent to exclude any or all others from selling the patented product. But it does not follow that it can lawfully exercise that power in such manner as to control the patented commodity in the hands of the licensed jobbers who had purchased it, or their actions with respect to it in ways not within the limits of the patent monopoly, and conspicuously among such controls which the Sherman law prohibits and the patent

law does not sanction is the regulation of prices and the suppression of competition among the purchasers of the patented articles. That appellant, by the plan and scope of its licensing policy, has acquired vast potential power to accomplish that end cannot be doubted. And we think the record supports the finding of the trial court that appellant has exercised that power continuously for a considerable period as a means of control over the price policies of the licensed jobbers.

From the stipulation of facts, it appears that since 1929 appellant has pursued the practice of investigating, through field agents, the "business ethics" of jobbers applying for licenses, and of rejecting such applications upon the adverse report of the agent. Appellant admits that the phrase "business ethics" is used to denote compliance with "marketing policies and prevailing prices of the petroleum industry", which are the "marketing policies and posted prices of the major oil companies or the market leaders among them." Among these is the Standard Oil Company of New Jersey which owns one-half of the capital stock of the appellant.[4] While not all applicants who have failed to maintain prices and marketing policies have been rejected, the record leaves no doubt that appellant has made use of its dominant position in the trade to exercise control over prices and marketing policies of jobbers in a sufficient number of cases and with sufficient continuity to make its attitude toward price cutting a pervasive influence in the jobbing trade.

In many instances, although not in all, an adverse report by the investigator as to the applicant's business ethics has been the sole ground for rejecting his application, and appellant admits that the greater number of applications for licenses which have been denied were rejected because of such an adverse report. In the cases in which licenses have been refused, something less than one-half of the rejected applicants were later granted licenses on their assurance that their marketing practices would be changed. The total number of rejections for failure to comply with that standard does not appear, for appellant has failed to keep any record of the ground of rejection of applications for licenses, admittedly because it is reluctant to preserve in its records "the extent to which maintenance of prices and marketing policies by jobbers entered into the granting of licenses."

Jobbers' licenses do not appear to have been cancelled because of failures to maintain policies or prices of the major oil companies whenever they have occurred, but it is an established practice of appellant to investigate the business ethics of licensed jobbers in order to ascertain whether they maintain the marketing prices, policies and practices prevailing or ostensibly prevailing in the industry. Representatives of appellant have from time to time, but not in every case, reported a jobber to his supplier or refiner for not maintaining the marketing policies of the latter, and in some cases they have united in persuading the jobber to mend his ways. Appellant has generally required each licensed jobber to purchase all his treated fuel from a single refiner and in some instances has refused a license to jobbers who wished to change their source of supply from one licensed refiner to another.

These long-continued practices have had the effect upon the industry naturally to be expected. Large numbers of refiners and the majority of jobbers believe that the jobbers must maintain the required business ethics in order to obtain licenses, and a number of licensed jobbers believe that they are required by appellant's licensing practices to maintain prices and abide by the marketing practices of the major oil companies. Appellant, in its printed instructions to field representatives as to the manner of conducting investigations of licensed jobbers, after pointing out that one of the reasons for the investigation of the jobber before the issuance of the license is to insure that he—

"will not resort to unethical methods in competing with our other licensed jobbers and refiners,"

and after describing the methods of conducting the investigation,[5] sums up the result as follows:

"We have, through these supplemental investigations, been able to correct the ethyl picture to a considerable extent, and have succeeded in eliminating from our jobber lists some of our former accounts who were not a credit to us as licensees of the Ethyl Gasoline Corporation."

Scope of the patent monopoly

It is not denied, and could not well be, that if appellant's comprehensive control of the market in the distribution of the lead-treated gasoline, as disclosed by the record, had been acquired without aid of the patents, but wholly by the contracts with refiners and jobbers, such control would involve a violation of the Sherman Act. *Paramount Famous Corp.* v. *United States*, 282 U. S. 30, 43; *United States* v. *First National Pictures, Inc.*, 282 U. S. 44. Cf. *Frey & Son, Inc.*, v. *Cudahy Packing Co.*, 256 U. S. 208; *Federal Trade Commission* v. *Beech-Nut Packing Co.*, 257 U. S. 441. And so we turn to the consideration of the patents and the patent law to ascertain whether the monopoly which they have given appellant affords a lawful basis for the control over the marketing of motor fuel which the record discloses. Cf. *United States* v. *General Electric Co.*, 272 U. S. 476. In considering that question we assume the validity of the patents, which is not questioned here.

[4] The remainder is owned by General Motors Corporation and E. I. du Pont de Nemours Company.

[5] The investigator is reminded in the Field Representative Manual that the question as to "business ethics" "can be answered only if the field representative has obtained sufficient information to be sure of his opinion". "Ethics of the jobber is based on the territory in which he is marketing and the conditions surrounding the sale of gasoline by other ethyl gasoline distributors. Care should be taken, if possible, to find out the instigator of any practices which tend to unfair competition. Business ethics is a relative quality and no hard and fast rule can be given to govern all cases. Information given to field representatives and picked up in the various contacts should be weighed carefully before a final decision is reached. One of the three words 'good', 'questionable', or 'unethical' is to be used in answering this question."
In January, 1935 the question as to "business ethics" was eliminated from the form report of field agents. But business ethics has since continued to be one of the principal subjects of investigation and, as before, the result of the field agent's investigation has been included in his report and his recommendations have been generally accepted and acted upon by his superiors.

[1] [2] The patent law confers on the patentee a limited monopoly, the right or power to exclude all others from manufacturing, using, or selling his invention. R. S. § 4884, 35 U. S. C. § 40. The extent of that right is limited by the definition of his invention, as its boundaries are marked by the specifications and claims of the patent. *Motion Picture Patents Co.* v. *Universal Film Co.*, 243 U. S. 502, 510. He may grant licenses to make, use or vend, restricted in point of space or time, or with any other restriction upon the exercise of the granted privilege, save only that by attaching a condition to his license he may not enlarge his monopoly and thus acquire some other which the statute and the patent together did not give.

[3] He may not, by virtue of his patent, condition his license so as to tie to the use of the patented device or process the use of other devices, processes or materials which lie outside of the monopoly of the patent licensed; *Motion Picture Patents Co.* v. *Universal Film Mfg. Co.*, supra; *Carbice Corporation* v. *American Patents Corporation*, 283 U. S. 27, 31, 406 O. G. 3; *Leitch Manufacturing Co.* v. *Barber Co.*, 302 U. S. 458, 488 O. G. 657; cf. *United Shoe Machinery Co.* v. *United States*, 258 U. S. 451, 462; *International Business Machines Corp.* v. *United States*, 298 U. S. 131, 140; or condition the license so as to control conduct by the licensee not embraced in the patent monopoly, *Standard Sanitary Mfg. Co.* v. *United States*, 226 U. S. 20, 184 O. G. 1074; *Interstate Circuit, Inc.*, v. *United States*, 306 U. S. 208, 228–230; or upon the maintenance of resale prices by the purchaser of the patented article. *Adams* v. *Burke*, 17 Wall. 453; *Bobbs-Merrill Co.* v. *Straus*, 210 U. S. 339; *Dr. Miles Medical Co.* v. *John D. Park & Sons Co.*, 220 U. S. 373; *Bauer & Cie* v. *O'Donnell*, 229 U. S. 1, 191 O. G. 1068; *Straus* v. *Victor Talking Machine Co.*, 243 U. S. 490, 238 O. G. 316; *Boston Store of Chicago* v. *American Graphophone Co.*, 246 U. S. 8; cf. *United States* v. *General Electric Co.*, supra. 485.

[4] Appellant, as patentee, possesses exclusive rights to make and sell the fluid and also the lead-treated motor fuel. By its sales to refiners it relinquishes its exclusive right to use the patented fluid and it relinquishes to the licensed jobbers its exclusive rights to sell the lead-treated fuel by permitting the licensed refiners to manufacture and sell the fuel to them. And by the authorized sales of the fuel by refiners to jobbers the patent monopoly over it is exhausted, and after the sale neither appellant nor the refiners may longer rely on the patents to exercise any control over the price at which the fuel may be resold. *Adams* v. *Burke*, supra; *Bobbs-Merrill Co.* v. *Straus*, supra; *Bauer & Cie* v. *O'Donnell*, supra; *Motion Picture Patents Co.* v. *Universal Film Co.*, supra.

[5] The picture here revealed is not that of a patentee exercising its right to refuse to sell or to permit his licensee to sell the patented products to price-cutters. Compare *United States* v. *Colgate & Co.*, 250 U. S. 300, 264 O. G. 356, with *United States* v. *A. Schrader's Son, Inc.*, 252 U. S. 85. A very different scene is depicted by the record. It is one in which appellant has established the marketing of the patented fuel in vast amounts on a nationwide scale through the 11,000 jobbers and at the same time, by the leverage of its licensing contracts resting on the fulcrum of its patents, it has built up a combination capable of use, and actually used, as a means of controlling jobbers' prices and suppressing competition among them. It seems plain that this attempted regulation of prices and market practices of the jobbers with respect to the fuel purchased, for which appellant could not lawfully contract, cannot be lawfully achieved by entering into contracts or combinations through the manipulation of which the same results are reached by the exercise of the power which they give to control the action of the purchasers. Such contracts or combinations which are used to obstruct the free and natural flow in the channels of interstate commerce of trade even in a patented article, after it is sold by the patentee or his licensee, are a violation of the Sherman Act. *Federal Trade Commission* v. *Beech-Nut Company*, supra, 453; *United Shoe Machinery Co.* v. *United States*, supra; *Victor Talking Machine Co.* v. *Kemeny*, 271 Fed. 810, 817; cf. *United States* v. *A. Schrader's Son, Inc.*, supra. Agreements for price maintenance of articles moving in interstate commerce are, without more, unreasonable restraints within the meaning of the Sherman Act because they eliminate competition, *United States* v. *Trenton Potteries Co.*, 273 U. S. 392, and agreements which create potential power for such price maintenance exhibited by its actual exertion for that purpose are in themselves unlawful restraints within the meaning of the Sherman Act, which is not only a prohibition against the infliction of a particular type of public injury but "a limitation of rights which may be pushed to evil consequences and therefore restrained." *Standard Sanitary Mfg. Co.* v. *United States*, supra, 49; *American Column Co.* v. *United States*, 257 U. S. 377, 400; *United States* v. *American Linseed Oil Co.*, 262 U. S. 371; *United States* v. *Trenton Potteries Co.*, supra, 397, 398.

[6] The extent to which appellant's dominion over the jobbers' business goes beyond its patent monopoly, is emphasized by the circumstances here present that the prices and market practices sought to be established are not those prescribed by appellant-patentee, but by the refiners. Appellant neither owns nor sells the patented fuel nor derives any profit through royalties or otherwise from its sale. It has chosen to exploit its patents by manufacturing the fluid covered by them and by selling that fluid to refiners for use in the manufacture of motor fuel. Such benefits as result from control over the marketing of the treated fuel by the jobbers accrues primarily to the refiners and indirectly to appellant, only in the enjoyment of its monopoly of the fluid secured under another patent. The licensing conditions are thus not used as a means of stimulating the commercial development and financial returns of the patented invention which is licensed, but for

the commercial development of the business of the refiners and the exploitation of a second patent monopoly not embraced in the first. The patent monopoly of one invention may no more be enlarged for the exploitation of a monopoly of another, see *Standard Sanitary Mfg. Co.* v. *United States*, supra, than for the exploitation of an unpatented article, *United Shoe Machinery Co.* v. *United States*, supra; *Carbice Corporation* v. *American Patents Corporation*, supra; *Leitch Manufacturing Co.* v. *Barber Co.*, supra; *American Lecithin Co.* v. *Warfield Co.*, 105 F.(2d) 207, or for the exploitation or promotion of a business not embraced within the patent. *Interstate Circuit, Inc.*, v. *United States*, supra, 228–230.

Protection of health and quality of product

The trial court was of opinion that such interest as appellant has in protecting the health of the public in connection with the distribution of the fuel, and in preventing adulteration, deterioration and dilution of the motor fuel in the hands of the jobbers may be adequately protected without resort to the jobber license device which has been and is capable of being used for other and illicit purposes. Compare *International Business Machines Corporation* v. *United States*, supra, 139, 140. This conclusion is, we think, amply supported by the record. The precautions taken to protect the public health in the handling of the motor fuel by jobbers and service stations includes the health restrictions imposed on jobbers by the refiners included in their contracts with jobbers, inspections, more or less perfunctory, by representatives of appellant and the posting by jobbers and distributors of notices supplied by appellant stating that the fuel contains lead and is for use as a motor fuel only. These activities are not interfered with by the decree.

There is no authentic instance of injury resulting from the handling of lead-treated gasoline after its manufacture attributable to its lead content. Extensive expert study, carried on under direction of appellant over a period of years, detailed in the record, resulted in a report that the risk arising from the absorption of lead through the skin in the handling of the lead-treated fuel is so small as to be negligible, and that the use of the fuel made in conformity to the refiners' licenses has not caused or produced any dangers or hazards to health.

The avoidance of such dangers as there may be in the handling of the motor fuel by jobbers and distributors is plainly not beyond control by public health regulations, and would seem, as the District Court thought, to be amply secured, in any case, through the self-interest of the refiners in requiring the purchasers of their gasoline to take proper health precautions including the posting of notices which appellant supplies and by the continuance of appellant's inspection, all of which are permissible under the decree. It is likewise apparent that the interest the appellant has in preventing dilution, adulteration and deterioration of the treated gasoline in the hands of the jobbers may be similarly protected without continued resort to jobber licenses, which is precluded by reason of their use and the danger of their continued use for other and illegal purposes.

[7] Since the unlawful control over the jobbers was established and maintained by resort to the licensing device, the decree rightly suppressed it even though it had been or might continue to be used for some lawful purposes. The Court was bound to frame its decree so as to suppress the unlawful practices and to take such reasonable measures as would preclude their revival. *Local 167* v. *United States*, 291 U. S. 293; *Warner & Co.* v. *Lilly & Co.*, 265 U. S. 526, 532, 334 O. G. 287. It could, in the exercise of its discretion, consider whether that could be accomplished effectively without disestablishing the licensing system, and whether there were countervailing reasons for continuing it as a necessary or proper means for appellant to carry out other lawful purposes. Since the Court rightly concluded that these reasons were without substantial weight, it properly suppressed the means by which the unlawful restraint was achieved. *Local 167* v. *United States*, supra, 299, 300; cf. *Merchants Warehouse Co.* v. *United States*, 283 U. S. 501, 513.

Affirmed.

Mr. Justice MCREYNOLDS and Mr. Justice ROBERTS took no part in the consideration or decision of this case.

U. S. Court of Customs and Patent Appeals

IN RE HOFFBERGER

No. 4,232. Decided February 5, 1940

[109 F.(2d) 239]

PATENTABILITY—REFRIGERATOR APPARATUS.

Certain claims for refrigerator apparatus *Held* properly rejected on the ground of double patenting.

APPEAL from Patent Office. Affirmed.

Mr. Sol Shappirio for Hoffberger.

Mr. Howard S. Miller for the Commissioner of Patents.

GARRETT, *P. J.*:

In this and in a companion case (suit No. 4,268) Hoffberger has appealed from decisions of the Board of Appeals of the United States Patent Office affirming decisions of the Examiner denying the patentability of certain claims in applications for patents, the broad subject matter being improvements in refrigerators and temperature regulation therein. Certain issues are, in principle, common to both cases, but separate opinions are necessary.

The application in the instant case, Serial No. 677,731, was filed June 26, 1933. Several claims were allowed, but nine were rejected and appealed to this court. They are numbered, respectively, 1, 2, 8, 9, and 13 to 17, inclusive.

We quote as generally illustrative claims 1, 2, 9, and 17:

1. In combination, an ice refrigerator having ice and food compartments provided with the usual doors but otherwise sealed from the external atmosphere, the ice compartment being sealed against substantial entry of air from the food compartment by a floor plate against which warm air the food compartment impinges for chilling, said floor plate being removably positioned in said ice compartment.

2. In combination, an ice refrigerator having ice and food compartments, said ice compartment having a floor plate to support the ice in said ice compartment, the said floor plate having a portion of its undersurface provided with metallic fins projecting therefrom.

9. A temperature regulator for refrigerators having the usual ice compartment, said regulator comprising a floor plate adapted to support ice in said ice compartment, the floor plate in size corresponding with the cross section of the ice compartment in which it is to be used but removable therefrom so that when placed in position the plate seals the ice compartment against substantial entry of air from the food compartment, said plate carrying fins angularly disposed with respect thereto and extending toward the said food compartment to increase the radiating surface of said plate, but the fins being carried on a portion only of the floor plate, whereby that portion of the floor plate having the fins has a higher heat conductivity than that of the other portion of the floor plate.

17. A temperature regulator for refrigerators having the usual ice compartment, said regulator comprising a substantially continuous metallic plate for sealing said ice compartment against the entry of air from the food compartment, said plate carrying metallic fins angularly disposed with respect thereto for increasing the radiating surface of said plate, the metallic plate in size corresponding with the cross section of the ice compartment in which it is to be used, so that when placed in position the plate seals the ice compartment against entry of air from the food compartment.

The references cited are: Biber (British), 15,431, August 27, 1892; Hoffberger, 1,951,305, March 13, 1934.

The Examiner rejected all the appealed claims on the ground of double patenting and the Board affirmed as to this ground. Claims 1, 8, 13, and 16 were also rejected by the Examiner on the patent to Biber, but the Board disagreed with that ground of rejection as to those claims, saying "It is considered that this rejection is not proper and the same will not be affirmed." The Board, however, held claim 2 to be unpatentable over the British patent, a ground which the Examiner did not in terms apply to that claim.

It is proper to state that originally the Examiner's rejection was based solely upon double patenting, but in his statement following the appeal to the Board he called attention to the Biber patent, saying it had come to his attention after the appeal, and applied it to claims 1, 8, 13, and 16. Appellant thereupon elected to prosecute those claims further before the Examiner in conformity with the doctrine stated in *Ex parte Mevey*, 1891 C. D. 115; 56 O. G. 805, and the case was returned to him. The four claims so rejected on the British patent were amended in certain particulars and the Examiner reconsidered them with the result that he made his rejection of them final. The second appeal to the Board followed. After the latter's decision appellant made request for reconsideration. The Board denied this, saying, in effect, that no reason was found for modifying its decision. The instant appeal to this court followed.

Appellant challenges the correctness of the holding as to double patenting and the rejection of claim 2 upon the British patent. Also, he challenges the jurisdiction of the Board of Appeals to apply the British patent as a ground of rejection, it not having been rejected on that ground by the Examiner.

Obviously, it is proper for us to consider first the question of double patenting upon which ground all the claims were rejected, and if the decision of the Board on that ground should be sustained it will be unnecessary to discuss either the rejection based on the Biber reference, or the question raised as to the Board's jurisdiction above stated.

Patent 1,951,305, one of the references cited in this case, was issued to appellant March 13, 1934, upon his application filed February 13, 1933. So, it was copending with the application here involved from June 26, 1933, to March 13, 1934.

The patent contains a single claim which reads:

A removable and replaceable temperature regulator for refrigerators having the usual ice compartment, said regulator comprising a metallic plate for directly and substantially sealing said ice compartment against the entry of air from the food compartment, said plate carrying metallic fins angularly disposed with respect thereto for increasing the radiating surface of said plate, the metallic fins being exposed toward the food compartment, the metallic plate in size corresponding with the cross section of a floor opening of the ice compartment with which it is to be used, so that when placed in position, the plate seals the ice compartment against entry of air from the food compartment, but said plate may thereby be removed when desired from the ice compartment of the refrigerator in which it is placed.

It is the contention of appellant that the foregoing claim is specific in character, being "directed to the temperature regulator per se that is the floor plate carrying the metallic fins angularly disposed thereto"; that some, at least, of the appealed claims are generic, and that he is entitled to generic claims in this application, since it (containing them) was copending with the patent application. A further contention by appellant is based upon the allowance of certain of the claims in this case asserted by him to be species claims limited to specific forms of his invention, such as a metallic inset for the floor plate (not included in the claims of the patent), the metal of the inset having a heat conductivity greater than that of the floor plate. All claims containing the inset feature were allowed. In some of the allowed claims the inset plate is described as being provided with fins; in others of them this feature is not named.

It will be observed that appealed claim 1, supra, makes no mention of fins. The fin feature, which is present in the patent claim, is found in appealed claims 2, 9, 15, and 17. The others do not mention it. All the appealed claims except No. 2, supra, describe the function of the floor plate in sealing, or substantially sealing, the ice compartment from the entry of air from the food compartment, a function likewise named in the patent claim.

Appellant's contention is that having been allowed a species claim in his patent and other species claims in the patent application, he is entitled also to generic claims under the circumstances related. In his brief it is said (omitting the record page of references):

It will be seen that the Examiner granted a claim to the specific floor plate in the single patented claim of Patent 1,951,305, and has also allowed claims to the specific form of invention disclosed in the instant case. The claim of the companion patent could scarcely be made more specific with respect to that floor plate than it actually is. It was allowed by the Examiner only after amendment to its present form to insert specific language insisted on by the Examiner * * *. This claim specifically directed to a rigid plate (without a removable inset) does not cover the plate with a removable inset. And when that was the only claim which the Examiner would indicate to be allowable, the broader claims 13 to 17 were transferred from the companion application No. 656,574 which became Patent 1,951,305, to the present application at the time of their cancellation from the parent case * * *. Of course, the generic claims 1, 2, 8, and 9 were present in the instant application at

the time of filing, and all of these claims on the present appeal were pending in the instant case before the grant of the companion patent.

Appellant also asserts that claims 1, 2, 14, 15, and 16 are directed to a combination of a refrigerator of a particular structure and a temperature regulator, "while the remaining claims on the appeal are directed to temperature regulators per se."

The brief continues:

It is thus seen that:
1. The present application was a companion, copending application with that which became Patent No. 1,951,305.
2. The generic claims were pending in the instant case before the grant of the companion, copending Patent 1,951,305.
3. There are two distinct inventions in these cases, recognized by the Patent Office in the allowance of claims herein, and the grant of the patent on the companion case.

Under those circumstances, we submit that the law is clear that there is no double patenting, and that the broad claims may be patented in the instant case where they were pending before the grant of the companion patent, and where the companion patent and the instant application include distinct inventions, separately patentable in two patents.

There seems to be some question as to whether the claim of the patent should be construed as covering merely the regulator per se or as a combination of that element and a refrigerator. It will be noticed that it begins "A * * * temperature regulator for refrigerators * * *." Appealed claims Nos. 8, 9, and 17 begin with substantially the same phrase (as do three of the allowed claims) while all the other appealed claims (and two of the allowed claims) begin "In combination, an ice refrigerator * * *." The Examiner held the construction of the patent claim in this regard to be immaterial, saying:

Whether the patent claim can be construed as covering the element per se or the element in combination with the refrigerator casing, it is considered that essentially the same invention is covered by the claim of the patent and claims 1, 2, 8, 9, and 13–17 inclusive of this case.

The Board did not discuss the question of combination, but it did hold the claim of the patent to be generic, saying:

There appears to be disclosed and claimed in the prior patent a generic claim for a removable temperature regulator for refrigerators having the usual ice compartment, a metallic plate for sealing the ice compartment against the entry of air from the food compartment, the said plate carrying metallic fins. Since this claim of the patent is generic to a mechanism of this type having fins thereon, it is considered that applicant is not entitled to have generic claims to the same species which is disclosed in the patent in the second application. All of the claims involved in this appeal appear to be supported by the species disclosed in the patent, including claim 9, which calls for the fins being carried on a portion only of the floor plate. The claim of the patent reads on both the species of the patent and the species of the application and applicant is not entitled to have a claim generic to both species in both cases.

It is clear to us that each of the claims on appeal is covered by the patent claim. Any device conforming to any one of the appealed claims would conform in all material respects to the claims of the patent, and vice versa. Appellant, as compensation for his contribution to the art, was, by the patent, granted exclusive rights for the statutory period. At the end of that period public right to its use will ensue. If some one then should make a device in accordance with the patent claim, such device would, in our opinion, infringe a patent for the appealed claims were such patent granted.

The rejection of the claims upon the ground of double patenting is approved. Hence, it is unnecessary to consider the other phases of the case.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,401,156, C. F. Jenkins, Lawn mower, D. C., E. D. Mich., Doc. 308, *Moto-Mower Co.* v. *Sears Roebuck & Co.* Final decree for plaintiff. (Notice Apr. 12, 1940.)

1,503,657, P. M. McHugh, Process of manufacturing sugar; 1,686,203, H. S. Coe, Thickening apparatus, D. C. Puerto Rico (San Juan), Doc. 2445 Eq., *The Dorr Co., Inc., et al.* v. *Yabucoa Sugar Co.* Dismissed. (Notice Apr. 8, 1940.)

1,507,016, L. deForest, Radiosignaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,811,095, H. J. Round, Thermionic amplifier and detector; 1,936,162, R. A. Heising, Transmission system; Re. 18,579, S. Ballantine et al., Demodulator and method of demodulation, D. C., N. D. Ill., Doc. 1036, *Radio Corp. of America et al.* v. *S. Posen et al.* (*Precision Radio Co.*). Final consent judgment holding patents valid, infringed, injunction Nov. 14, 1939.

1,507,017. (See 1,507,016.)

1,526,608, 1,590,852, J. Rakonick, Arch-supporting shoe, filed Mar. 30, 1940, D. C., E. D. Mo., Doc. 436, *J. Rakonick, Jr.*, v. *Brown Shoe Co.*

1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound-reproducing apparatus; 1,894,197, C. W. Rice et al., Sound-reproducing apparatus; 1,907,555, A. B. Moulton, Uni-control heterodyne receiver, D. C., N. D. Ill., Doc. 1037, *Radio Corp. of America et al.* v. *S. Posen et al.* (*Precision Radio Co.*). Final consent judgment holding patents valid, infringed, injunction Nov. 14, 1939.

1,579,518, G. F. Connelly, Pneumatic-tire mold; 1,703,970, K. K. A. Thorsen, Retreading mold; 1,876,100, 1,903,538, same, Tire vulcanizing machine, filed Mar. 30, 1940, D. C. Calif. (Sacramento), Doc. 4206 R, *Bacon Vulcanizer Mfg. Co. et al.* v. *Super Mold Corp. of Calif.*

1,590,852. (See 1,526,608.)

1,599,440, W. C. Trout, Counterbalance for pumping rigs; 2,071,007, same, Counterbalance for crankshafts; 1,674,181, F. J. Schwimmer, Counterbalance, D. C., N. D. Tex., Doc. 103 Civil, *Lufkin Foundry & Machine Co. et al.* v. *American Mfg. Co.* Dismissed without prejudice Apr. 3, 1940.

1,603,095, H. D. Palmer, Pneumatic-tire carrier for automobile trucks; 2,146,107, F. Bissants, Vehicle, filed Jan. 6, 1940, D. C., E. D. Pa., Doc. 714, *The Galion Metallic Vault Co.* v. *Edward G. Budd Mfg. Co.*

1,628,279, M. P. Schmidt et al., Sensitive layer on a suitable base and process of making same; 1,803,906, W. Krieger et al., Diazo-types stabilized with a derivative of thiocarbonic acid and a process of preparing them, C. C. A., 6th Cir., Doc. 7996, *Kalle & Co. et al.* v. *The Multazo Co., Inc.* On petition for rehearing Patent 1,628,279 held valid, Patent 1,803,906 held invalid Apr. 8, 1940.

1,662,035, F. L. Smith et al., Retread mold for tires; 1,764,378, H. J. Woock, Tire retreading mold, filed Mar. 30, 1940, D. C., N. D. Calif. (San Francisco), Doc. 21522–R, *Super Mold Corp. of Calif.* v. *T. P. Bacon, Sr., et al.*

1,673,727, Re. 19,023, L. V. Aronson, Cigar lighter, filed Apr. 5, 1940, D. C., S. D. N. Y., Doc. Civ. 8–218, *Art Metal Works, Inc.*, v. *James McCreery & Co., Inc.* Same, filed Apr. 3, 1940, D. C., S. D. N. Y., Doc. Civ. 8–182, *Art Metal Works, Inc.*, v. *United Cigar-Whelan Stores Corp.* Same, filed Apr. 4, 1940, D. C., N. D. N. Y., Doc. 399 Civil, *Art Metal Works, Inc.*, v. *Montgomery Ward & Co., Inc.*

1,674,181. (See 1,599,440.) 1,686,203. (See 1,503,657.)

1,703,970. (See 1,579,518.) 1,707,617. (See 1,573,374.)

1,764,378. (See 1,662,035.)

1,770,368, E. G. Fahlman, Mold, C. C. A., 6th Cir., Doc. 8308, *The National Bronze & Aluminum Foundry Co.* v. *The Permold Co.* Decision reversed; claims 3 and 4 held not infringed.

1,795,214. (See 1,573,374.) 1,803,906. (See 1,628,279.)

1,811,095. (See 1,507,016.) 1,876,100. (See 1,579,518.)

1,889,499, C. E. Rorrer et al., Apparatus and method for refrigeration; 1,987,796, 1,987,797, same, Refrigerating show case; 2,011,731, same, Refrigerated show case; Re. 21,264, same, Showcase, D. C., S. D. Calif., Cen. Div., Doc. 808–J Civil, *Stadium Stores, Inc.*, v. *Super-Cold Corp.* Dismissed by stipulation Mar. 25, 1940.

1,891,056, A. Schoeninger, Ornamental chain construction, D. C. R. I. (Providence), Doc. Civ. 49, *Forstner Chain Corp.* v. *J. L. Sohn* (*The Sum Co.*). Consent decree in favor of plaintiff; perpetual injunction. (Notice Apr. 12, 1940.)

1,894,197. (See 1,573,374.) 1,903,538. (See 1,579,518.)

1,907,555. (See 1,573,374.)

1,914,301, H. Schottenfels, Brassière; 2,040,958, M. Schottenfels, Connecter device, appeal filed Apr. 2, 1940, C. C. A., 2d Cir., Doc. —, *M. Schottenfels* v. *A. J. Sobel* (*Governor Specialties Co.*).

1,936,162. (See 1,507,016.)

1,955,569, H. I. Warden, Licensing of motor vehicles, filed Apr. 6, 1940, D. C., E. D. Mo., Doc. 438, *H. I. Warden* v. *City of St. Louis, Missouri.*

1,962,264, H. Veit, Haircutting and thinning shears, D. C., S. D. N. Y., Doc. E–84–117, *Jetter & Scheerer Products, Inc., et al.* v. *Gibbs & Co., Inc.* Final decree and judgment. (Notice Apr. 10, 1940.)

1,970,698, H. H. Hanson, Portable repair vulcanizer; 2,070,428, F. H. Ford, composition fuel, D. C. Okla. (Muskogee), Doc. 4840–Eq., *The Shaler Co.* v. *H. B. Egan et al.* (*H. B. Egan Mfg. Co.*). Final decree; dismissed by stipulation Apr. 1, 1940.

1,987,796. (See 1,889,499.) 1,987,797. (See 1,889,499.)

2,011,731. (See 1,889,499.)

2,011,747, M. Bechik, Handle for mattresses, box springs, and cushions; 2,105,580, same, Handle, D. C., S. D. N. Y., Doc. Civ. 3–495, *M. Bechik* v. *Flexible Tuft Corp.* Filed consent and order of discontinuance. (Notice Apr. 6, 1940.)

2,014,900, W. H. Lapp, Processing cotton seed hulls for use as a litter, filed Apr. 9, 1940, D. C., S. D. Iowa, Doc. 85 Civ., *W. H. Lapp* v. *Ames Reliable Co.*

2,034,697, F. Factor, Cosmetic make-up base and method of manufacture; 2,101,843, F. Factor et al., Dry make-up cosmetic in solid cake form, filed Apr. 3, 1940, D. C., S. D. Calif. (Los Angeles), Doc. 883–J Civ., *Max Factor & Co.* v. *Jack Dawn & Co., Inc., et al.*

2,040,958. (See 1,914,301.) 2,070,428. (See 1,970,698.)

2,071,007. (See 1,599,440.)

2,073,260, J. Gottfried, Coin selector; 2,094,788, B. W. Fry et al., Coin selector for vending machines; 2,159,117, W. A. Tratsch et al., Coin and slug separating device, D. C., N. D. Ill., Doc. 744, *National Slug Rejectors, Inc.*, v. *A. B. T. Mfg. Co.* Consent decree; Patent 2,094,788, particularly claims 1, 2, 3, and 4 thereof, Patent 2,073,260, claim 3 thereof held valid, owned by plaintiff, infringed by defendant; Patent 2,159,117 held valid, owned by defendant, infringed by plaintiff, Dec. 7, 1939.

2,090,982, A. C. Mills, Hand covering and method of manufacture, filed Apr. 3, 1940, D. C., S. D. N. Y., Doc. Civ. 8–180, *Scotsmoor Co., Inc.*, v. *A. Friedman* (*Jerome Knitting Mills*).

2,094,788. (See 2,073,260.)

2,098,478, J. W. Young, Battery container, filed Apr. 4, 1940, D. C., S. D. Calif. (Los Angeles), Doc. 884–J Civ., *National Battery Co.* v. *Western Molded Products Co.*

2,101,843. (See 2,034,697.) 2,105,580. (See 2,011,747.)

2,144,661, A. W. Nelson, Bail attaching means; Des. 102,953, same, Kettle or similar article, D. C., N. D. Ill., Doc. 852, *Columbian Enameling & Stamping Co., Inc.*, v. *Hibbard, Spencer, Bartlett & Co. et al.* Dismissed without prejudice Jan. 12, 1940.

2,146,107. (See 1,603,095.) 2,159,117. (See 2,073,260.)

Re. 18,111, F. R. Woodward, Roll, C. C. A., 6th Cir., Doc. 8212, *The Cincinnati Rubber Mfg. Co.* v. *Stowe-Woodward, Inc.* Claim 1 as limited by disclaimer held valid and infringed; claim 2, so limited, held valid, not infringed; claim 7 held valid and infringed, Apr. 12, 1940.

Re. 18,579. (See 1,507,016.)

Re. 18,667, W. J. Dennis, Vermifuge and insecticide, D. C., N. D. Ill., Doc. 77–Civ., *W. J. Dennis et al.* v. *S. B. Penick & Co.* Dismissed without prejudice on motion of plaintiff Jan. 8, 1940.

Re. 19,023. (See 1,673,727.)

Re. 19,023, L. V. Aronson, Cigar lighter, filed Apr. 3, 1940, D. C., S. D. N. Y., Doc. Civ. 8–183, *Art Metal Work, Inc.*, v. *A. Zolkind et al.* (*Manhattan Novelty Co.*).

Re. 21,264. (See 1,889,499.)

Des. 102,953. (See 2,144,661.)

Des. 111,164, J. Tuman, Dress, appeal filed Apr. 8, 1940, C. C. A., 2d Cir., Doc. —, *John Tuman & Sons, Inc.*, v. *H. Basse.*

Des. 116,478, A. Katz, Pin clip, filed Apr. 1, 1940, D. C., S. D. N. Y., Doc. Civ. 8–159, *Cohn & Rosenberger, Inc.*, v. *Strauss Jewelry Novelty Co., Inc.*

Des. 118,759, Des. 119,094, A. Philippe, Pin clip, D. C. R. I. (Providence), Doc. 53 Civ., *Trifari, Krussman, & Fishel, Inc.*, v. *Liker & Lisker, Inc.* Consent decree in favor of plaintiff and perpetually enjoining defendants.

Des. 119,094. (See Des. 118,759.)

Des. 119,101, A. Philippe, Pin clip, filed Apr. 9, 1940, D. C., S. D. N. Y., Doc. Civ. 8–229, *Trifari, Krussman & Fishel, Inc., et al.* v. *Bowman, Foster & Wurzburger, Inc.*

Des. 119,579, A. Ruchman, Dress, filed Apr. 3, 1940, D. C., S. D. N. Y., Doc. Civ. 8–178, *Apex Dress Co., Inc.*, v. *National Garment Co., Inc.*

Des. 119,581, H. O. Wolk, Coat, filed Apr. 2, 1940, D. C., S. D. N. Y., Doc. Civ. 8–174, *Junior Trend Coats, Inc.*, v. *A. Alper* (*A. Alper*).

T. M. 13,064, C. Conrad & Co., Lager beer; T. M. 64,125, Anheuser-Busch Brewing Association, Beer, D. C., N. D. Ill., Doc. 932, *Anheuser-Busch, Inc.*, v. *Manhattan Brewing Co.* Consent decree enjoining defendants Oct. 27, 1939.

T. M. 64,125. (See T. M. 13,064.)

Adjudicated Patents

(C. C. A. N. Y.) Brown patent, No. 1,508,504, for heel for boots and shoes, *Held* not infringed, even if valid. *Comolite Corporation* v. *Davidovics*, 111 F.(2d) 121.

(D. C. N. Y.) Aldrich patent, No. 1,579,497, for safety control mechanism for electrically-controlled fuel-burning devices, claims 1, 2, 3, 4, and 5 *Held* valid and infringed. *Cleveland Trust Co.* v. *Osher & Reiss*, 31 F. Supp. 985. Reversed, see notice of May 7, 1940. (Correcting notice of May 28, 1940.)

(D. C. N. Y.) Scott patent, No. 1,602,175, for electric control system for fuel-oil burners, claims 2 and 6 *Held* valid and infringed. *Id.* Reversed, see notice of May 7, 1940. (Correcting notice of May 28, 1940.

(D. C. N. Y.) Heiniger patent, No. 1,658,678, for automatic pressure retaining and sustaining valve for air-brake systems, claim 10 *Held* invalid, and not infringed even if valid. *Richard Irvin & Co.* v. *New York Cent. R. Co.*, 32 F. Supp. 497.

(C. C. A. Ohio.) Fahlman patent, No. 1,770,368, for mold, claims 3 and 4 *Held* not infringed. *National Bronze & Aluminum Foundry Co.* v. *Permold Co.*, 111 F.(2d) 69.

(C. C. A. Mass.) Durbin patent, No. 1,793,846, for hospital plug connection, claims 1 and 5 *Held* not infringed. *Holtzer-Cabot Electric Co.* v. *Standard Electric Time Co.*, 111 F.(2d) 71.

(D. C. Calif.) Joyce patent, No. 2,067,963, for footwear, claim 4 *Held* valid and infringed. *Joyce, Inc.*, v. *Fern Shoe Co.*, 32 F. Supp. 401.

(D. C. N. Y.) Scott reissue patent, No. 17,405, for oil-burning heating system, claims 12, 14, 16, 17, and 21 *Held* valid and infringed. *Cleveland Trust Co.* v. *Osher & Reiss*, 31 F. Supp. 985. Reversed, see notice of May 7, 1940. (Correcting notice of May 28, 1940.)

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Andrew's Mill Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James McCutcheon & Co., Fifth Avenue and Forty-ninth Street, New York, N. Y., to effect the cancellation of registration No. 195,477, issued February 24, 1925, to Andrew's Mill Co., Frankford, Philadelphia, Pa., and a notice of such proceeding sent by registered mail to said Andrew's Mill Co., at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Andrew's Mill Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Andrew's Mill Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James McCutcheon & Co., Fifth Avenue and Forty-ninth Street, New York, N. Y., to effect the cancellation or registration No. 217,599, issued September 7, 1926, to Andrew's Mill Co., 230 Fifth Avenue, New York, N. Y., and a notice of such proceeding sent by registered mail to said Andrew's Mill Co. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Andrew's Mill Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Midi Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James L. Younghusband, Chicago, Ill., to effect the cancellation of registration No. 372,510, issued October 31, 1939, to Midi Inc., 1643 North Cherokee Avenue, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Midi Inc., at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Midi Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 25, 1940.*

Walla Walla Valley Prune Growers Co-Operative Association, its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Mojonnier & Sons, Inc., Walla Walla, Wash., to effect the cancellation of trade-mark registration of Walla Walla Valley Prune Growers Co-Operative Association, Freewater, Oreg., No. 171,455, dated August 7, 1923, and the notice of such proceeding sent by registered mail to the said Walla Walla Valley Prune Growers Co-Operative Association at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Walla Walla Valley Prune Growers Co-Operative Association, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 29, 1940.*

Middle States Packing Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Fremont Canning Company, Fremont, Mich., to effect the cancellation of registration No. 244,166, issued July 17, 1928, to Middle States Packing Corporation, 134 South La Salle Street, Chicago, Ill., and a notice of such proceeding sent by registered mail to said Middle States Packing Corporation at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Middle States Packing Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING MAY, 1940

KELLOGG COMPANY *v.* BREMNER BROS., Opposition No. 17,004.

In a decision rendered May 6, 1940 (163 Ms. Dec. 488, 45 U. S. P. Q. 446), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of Kellogg Company, of Battle Creek, Mich., to the application of Bremner Bros., of Chicago, Ill., for registration of the word "Hexies" as a trade-mark for crackers.

Observing that opposer pleaded and established its use of the trade-mark "Hexite", since a time earlier than applicant's first use of the mark sought to be registered, in connection with goods described in opposer's brief as "dog foods, poultry foods, and other animal foods", the Assistant Commissioner said:

"I am clearly of the opinion that opposer's goods and those of applicant are not of the same descriptive properties. In support of its argument to the contrary opposer points out that both contain cereal or grain products; and that to a limited extent both are sold in the same stores, this being particularly true as to chain stores. Opposer concedes, however, that its goods are suitable only for use as animal feeds, while applicant's crackers are designed exclusively for human consumption.

"Obviously the mere fact that two items of merchandise have an ingredient in common is not of controlling importance in determining whether or not they possess the same descriptive properties; nor is the fact that they are sold in the same stores. As was observed by the Court of Customs and Patent Appeals in *Kraft-Phenix Cheese Corporation* v. *Consolidated Beverages, Limited*, 107 Fed.(2d) 1004, 44 U. S. P. Q. 41, 'it is a matter of common knowledge that such institutions [as chain stores] sell an almost unlimited variety of articles in distinct and substantially unrelated lines of trade.'

"The goods to which the marks of the parties are respectively applied being of different descriptive properties, the similarity of the marks becomes immaterial * * *."

He then quoted from the decision of the Court of Customs and Patent Appeals in *General Mills, Inc.*, v. *Freed*, 24 C. C. P. A. 1171, 89 Fed.(2d) 664, to the effect that if the marks closely resemble one another, or even if they are identical, confusion in trade will not be likely to result in a statutory sense, unless the goods of the parties possess the same descriptive properties.

In answer to opposer's argument that applicant's mark is descriptive of its goods, the Assistant Commissioner said:

"Passing over the objection that this is a matter upon which opposer is not entitled to be heard, I do not think the point is well taken. While possibly suggestive of the shape of the particular cracker which applicant is now putting out under the mark, I do not find the mark to be objectionably descriptive."

CELANESE CORPORATION OF AMERICA *v.* WORTH BROS., INC., Oppositions Nos. 18,360 and 18,361.

In a decision rendered May 8, 1940 (163 Ms. Dec. 491, 45 U. S. P. Q. 497), *Assistant Commissioner Frazer* sustained the opposition in two proceedings instituted by Celanese Corporation of America, of New York, N. Y., against applications of Worth Bros., Inc., of Los Angeles, Calif., for registration of a trade-mark comprising the notation "Cal-Spun" and the picture of a cottage said to be "of a Mexican type."

The Assistant Commissioner pointed out that in one application the goods are described as "men's and women's suits and topcoats", and in the other as "piece goods of wool and wool and rayon", and that both oppositions were predicated upon opposer's ownership of three registrations of the trade-mark "Celaspun", all issued prior to applicant's claimed date of first use, the goods for which this mark was registered including "piece goods made wholly or partially of cellulose derivatives" and "men's and women's underwear and sport shirts."

He then said:

"The only question in controversy between the parties is whether or not their trade-marks, as applied to the goods specified, are so nearly similar as to be likely to confuse the public or to deceive purchasers. The Examiner of Interferences ruled, and I am constrained to agree, that they are.

"By reason of its pictorial feature, applicant's mark as a whole differs in appearance from the mark of opposer; but as I have frequently had occasion to observe, designs in trade-marks cannot be pronounced, and similarity in the sound of marks when spoken is alone sufficient to bring about confusion. Applicant's goods would be known and called for as 'Cal-Spun', just as opposer's goods are known and called for as 'Celaspun'; and that these two notations are confusingly similar, both in sound and in appearance, seems manifest."

The applicant argued that the word "spun" is descriptive of the goods of both parties, and pointed out that in the applications it has been disclaimed. The Assistant Commissioner said:

"However, neither the disclaimer nor the asserted descriptiveness of the word detracts from the similarity of the marks. *J. Greenebaum Tanning Co.* v. *Respro, Inc.*, 25 C. C. P. A. 899, 94 Fed.(2d) 818; *Skelly Oil Co.* v. *Powerine Co.*, 24 C. C. P. A. 790, 86 Fed.(2d) 752."

STANDARD OIL COMPANY OF NEW JERSEY *v.* THE EL DORADO REFINING COMPANY, Cancelation No. 3407.

In a decision rendered May 8, 1940 (163 Ms. Dec. 490, 45 U. S. P. Q. 498), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the petition of Standard Oil Company of New Jersey, of New York, N. Y., to cancel trade-mark registration No. 313,597, issued June 5, 1934, under the provisions of the act of February 20, 1905, to The Eldorado Refining Company, of Eldorado, Kansas.

Observing that respondent's mark is the word "Fleet", which is registered for gasoline, and that the petition alleges that the mark is descriptive of applicant's goods and that petitioner is injured by reason of the fact that it has been refused registration of two trade-marks for goods of the same descriptive properties held to be confusingly similar thereto, the Assistant Commissioner pointed out that the determinative question presented is whether

or not the registered mark is in fact descriptive of gasoline "or of the character or quality of such goods", within the meaning of section 5 of the act, and said:

"One definition of the word 'fleet' given in Webster's New International Dictionary is 'a number of motor vehicles operated under unified control.' That the word is commonly used in the motor transport industry to convey that meaning is clearly established by the record. However, it does not necessarily follow that merely because descriptive of a group of vehicles in the operation of which gasoline is used, the word is also descriptive of the character or quality of gasoline. There is nothing in the record to indicate that the gasoline used by fleet operators differs in any respect from ordinary gasoline, or even that respondent trades with such operators. Counsel for petitioner point out that several witnesses, including some called by respondent, expressed the opinion that 'fleet' is descriptive as applied to motor oil. None was questioned as to its significance in relation to gasoline; but even had the testimony been directed expressly to the latter product, it would not alter my own opinion that respondent's mark does not describe the goods for which it is registered, nor any quality or characteristic of such goods. It is doubtless suggestive, but I think its suggestiveness is of swiftness in motion."

THE WAHL COMPANY *v.* WELSH MANUFACTURING COMPANY, Opposition No. 17,683.

In a decision rendered May 13, 1940 (163 Ms. Dec. 493, 45 U. S. P. Q. 500), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences sustaining the opposition of The Wahl Company, of Chicago, Ill., to the application of Welsh Manufacturing Company, of Providence, R. I., for registration of the notation "Welsharp", as a trade-mark for pens and mechanical pencils.

Observing that applicant claimed use of its mark since October, 1934, and that the opposition was predicated upon opposer's ownership of the trade-marks "Eversharp", registered October 25, 1921, for pencils; "Wahl", registered July 11, 1922, for fountain pens; and "Wahl-Eversharp", used upon pens and pencils since 1928, the Assistant Commissioner said:

"As pointed out by the Examiner, the marks are necessarily 'displayed in small letters upon the pens and pencils of the parties'; and this fact enhances the likelihood of confusion. *Aktiengesellschaft fur Feinmechanik vormals Jetter & Scheerer* v. *Kny-Scheerer Corporation*, 23 C. C. P. A. 781, 80 Fed.(2d) 268. Moreover, the goods are sold in the same stores, over the same counters, to the same class of purchasers; in part, at least, they are relatively inexpensive; and they are not only of the same descriptive properties, but are identical in character. Taking all these factors into consideration, and resolving possible doubts in opposer's favor, it is my opinion that there is at least a reasonable likelihood of confusion between applicant's mark and either of opposer's marks, 'Eversharp', and 'Wahl-Eversharp.'

"Opposer has proved no actual confusion; whereas applicant introduced evidence tending to prove that none has occurred, despite the fact that the marks have been used concurrently, and, as stated in applicant's brief, 'side by side through the same channels', for a number of years. I agree with counsel for applicant that the point merits consideration; but the ultimate question to be determined is not whether confusion has occurred, but whether it is likely to occur; and while 'evidence of lack of confusion in the use of different marks may be persuasive that there is not likelihood of confusion * * * such evidence cannot be controlling.' *E-Z Mills, Inc.*, v. *Martin Brothers Co.*, 25 C. C. P. A. 992, 95 Fed.(2d) 269.

"Applicant insists that the expression 'Eversharp' is descriptive of pencils. Be that as it may, the mark is registered to opposer, hence its validity must be presumed; 'and if the mark of the applicant is so similar to the registered mark as to be likely to lead to confusion, the fact that the registered mark or a portion of it may be descriptive in character affords no justification for disregarding the similarity in passing upon the right to register.' *Skelly Oil Co.* v. *Powerine Co.*, 24 C. C. P. A. 790, 86 Fed.(2d) 752."

HICKEY FREEMAN COMPANY *v.* BENSON RIXON COMPANY, Opposition No. 18,316.

In a decision rendered May 13, 1940 (163 Ms. Dec. 489, 45 U. S. P. Q. 499), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences sustaining the opposition of Hickey Freeman Company, of Rochester, N. Y., to the application of Benson Rixon Company, of Chicago, Ill., for registration of the notation "Llamadero" as a trade-mark for men's overcoats and topcoats.

Noting that opposer relied upon its ownership of the trade-mark "Llamando" registered for the same goods some ten years prior to applicant's date of first use, the Assistant Commissioner said:

"The only question to be determined is whether or not the two marks 'Llamando' and 'Llamadero', applied to identical merchandise of the character here involved, are so nearly similar as to be likely to be confused. I am clearly of the opinion that they are.

"Applicant insists that the word 'llama', alone, is descriptive, and urges that opposer is not entitled to prevent its use by others 'in conjunction with dissimilar prefixes or suffixes.' That may be true, but it is likewise true that as a part of opposer's registered mark the word may not be disregarded. *Skelly Oil Co.* v. *Powerine Co.*, 24 C. C. P. A. 790, 86 Fed.(2d) 752. The difficulty with applicant's argument is that applicant's suffix is not sufficiently dissimilar to opposer's suffix to render the two marks as a whole distinctively different. In my opinion they are very much alike, both in appearance and in sound."

For the purpose of showing "the number of persons employing the descriptive mark, 'Llama' in conjunction with articles of clothing" and "that the mark 'Llama' has become public property", applicant referred to certain registrations to third parties of marks including the word "llama."

As to those registrations, the Assistant Commissioner said:

"* * * they are of no avail to applicant in a proceeding of this character. This precise point was considered by the Court of Customs and Patent Appeals in *Pepsodent Co.* v. *Comfort Manufacturing Co.*, 23 C. C. P. A. 1224, 83 Fed.(2d) 906 * * *."

He then quoted from the opinion of the court in the cited case to the effect that an applicant for the registration of a trade-mark does not strengthen his own case by pointing out a confusing similarity between trade-marks registered in the Patent Office which are not involved in applicant's proceeding.

EX PARTE GENERAL PERMANENT WAVE CORPORATION, Serials Nos. 378,781 and 378,782.

In a decision rendered May 15, 1940 (163 Ms. Dec. 494, 45 U. S. P. Q. 522), *Assistant Commissioner Frazer* held that General Permanent Wave Corporation, of New York, N. Y., is not entitled to register, under the act of 1905, the notation "Vaper Marcel" as a trade-mark for hair waving pads.

In his decision the Assistant Commissioner said:

"Two applications are involved, between which the Examiner required election. Applicant traverses that requirement; but, as registration was properly refused in both cases, the point becomes immaterial.

"The Examiner refused registration on the ground that the mark is descriptive of the goods. Applicant does not deny that its hair waving pads are used in applying vapor marcels, but argues that this fact does not render the mark descriptive of the pads, 'or of the character or quality of such goods', within the meaning of section 5 of the Trade-Mark Act of February 20, 1905, under the provisions of which act the applications were filed.

"I think the argument is untenable. In my opinion the purpose for which an article of merchandise is intended to be used is manifestly characteristic of the article."

SAUL KURLANDER *v.* CALIFORNIA CONSOLIDATED WATER COMPANY, Opposition No. 15,662.

In a decision rendered May 16, 1940 (163 Ms. Dec. 495, 45 U. S. P. Q. 523), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Interferences sustaining the opposition of Saul Kurlander, of Los Angeles, Calif., to the application of California Consolidated Water Company, of Los Angeles, Calif., for registration of the word "Arrowhead", associated with a representation of a flint arrowhead, as a trade-mark for natural, mineral, and other potable water.

Pointing out that applicant is engaged in the business of bottling and selling distilled and carbonated mineral spring water in containers for drinking purposes, that opposer is in the business of bottling and selling non-alcoholic beverages, commonly known as soft drinks, and also carbonated water for drinking purposes, and that both of these businesses have been conducted for many years under trade-marks that are substantially identical, comprising the word "Arrowhead" associated with a representation of a flint arrowhead, the Assistant Commissioner recited the related facts, including agreements between the parties, and with reference thereto, he said:

"Thus it appears that the drinking water business was initiated by one of applicant's predecessor companies before the beverage business was begun, and this drinking water business, including both still and carbonated water, has passed uninterruptedly to applicant. Neither applicant nor any of its predecessor companies ever parted with the right to bottle and sell either still or carbonated water. On the other hand, applicant never acquired the right to use the mark on soft drink beverages, and in fact, expressly agreed to exclusive use of the mark on soft drink beverages by another—now the opposer. Applicant further agreed to allow non-exclusive use of the mark in a limited and restricted manner on carbonated drinking water."

As to the goods of the respective parties, he said:

"The goods named in the opposed application, to wit, natural, mineral and other potable water, referring obviously to applicant's still and carbonated spring water, are unquestionably goods of the same descriptive properties as the soft drink beverages and carbonated water on which opposer uses substantially the same mark."

He then concluded:

"Accordingly it seems that the concurrent use of these marks on the goods of the respective parties would cause confusion and would be likely to deceive purchasers, and notwithstanding the fact that applicant may assert prior ownership through its predecessors of substantially the same trade-mark, and its registration for drinking water, such prior ownership and registration by applicant through its predecessors does not deprive opposer of his right to oppose on the ground of confusion and deception of the public, or negative the presumption of damage resulting to opposer from such registration, for the reason that the record shows applicant to have agreed to opposer having the right as against applicant to the use of substantially the same mark on goods of the same descriptive properties. The mere fact that opposer may be precluded by the facts of the case from asserting damage by the continued use by applicant of the original mark on still and carbonated drinking water does not, to my mind, preclude him from asserting damage from a subsequent registration, even though there is no substantial difference between the marks and the goods of the former and the latter. It seems to me that opposer has shown himself possessed of a sufficient right as against applicant to the use of the conflicting mark on identical and similar goods to entitle him to oppose the new registration applied for. *Malone* v. *Procter & Gamble Company*, 20 C. C. P. A. 1150; 65 Fed.(2d) 154.

"Accordingly, it is my opinion that the opposition should be sustained on the confusion in trade clause of sec. 5 of the Trade-Mark Act of 1905."

Continuing, the Assistant Commissioner said:

"We now come to the holding of the Examiner of Interferences that because it appears that after Arrowhead Springs Corporation in 1929 assigned to applicant the drinking water business and registration No. 98,053, Arrowhead Springs Corporation, and its successor, Arrowhead Springs Corporation, Ltd., continued to use the mark in connection with soft drinks, goods possessing the same descriptive properties as drinking water, applicant is not entitled to make the allegations required by sec. 2 of the act of 1905, namely, that:

"* * * no other person, firm, corporation, or association, to the best of the applicant's knowledge and belief, has the right to use such trade-mark in the United States * * *;

and therefore the registration must be refused. In this connection it is noted that the continued use of the mark on soft drinks and also on carbonated drinking water by Arrowhead Springs Corporation, and its successors and assigns—which includes the present opposer—was by written consent and agreement of applicant.

* * * * * * * *

"In my opinion such right in possession of opposer, by express consent and agreement of applicant, and in reduction of exclusive rights to use of the mark by applicant establishes clearly that applicant is not justified in making the allegations as to right to exclusive use of the mark as is contemplated by sec. 2, of the act of 1905, and therefore the Examiner did not err in refusing the registration on that ground. *Malone* v. *Procter & Gamble Company*, supra; *The Davies-Young Soap Company* v. *R. M. Hollingshead Corporation*, 45 U. S. P. Q. 286, decided April 23, 1940, by Assistant Commissioner Frazer."

The Assistant Commissioner then said:

"There now remains to consider the holdings of the Examiner of Interferences that the mark applied for is merely geographical and merely descriptive of the goods, namely, natural, mineral and other potable water. I disagree with both holdings. The name of the geographical location noted by the Examiner is Arrowhead Springs, California. The word 'Arrowhead' is not the complete name of Arrowhead Springs, and to my mind would predominantly convey the meaning of an arrowhead for an arrow rather than indicate the spa having the geographical name 'Arrowhead Springs', particularly as the word 'Arrowhead' in the mark is accompanied by a prominent representation of a flint arrowhead; and I am unable to recognize any physical or functional characteristic or quality of any drinking water, whether from Arrowhead Springs, California, or elsewhere, which would be described or indicated by the word 'Arrowhead' or by the representation of a flint arrowhead or by both together."

MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY *v.* THE H. C. GODMAN COMPANY, Opposition No. 18,133.

In a decision rendered May 17, 1940 (163 Ms. Dec. 500, 45 U. S. P. Q. 529), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of the Mishawaka Rubber and Woolen Manufacturing Company, of Mishawaka, Ind., to the application of The H. C. Godman Company, of Columbus, Ohio, for the registration of a trade-mark described by the Examiner in his decision as follows:

"The mark shown in the application here involved comprises the notation 'Bel-View' prominently displayed within a pair of approximately circular lines in association with the picture of a nurse's head and the disclaimed words 'Nurse Oxford', all upon a red panel. This panel, which is generally circular in form, has irregular edges, its outline somewhat resembling that of a wax impression seal."

Observing that the registered mark upon which the opposition is based is referred to in the notice as a "circular figure or disk of a red or reddish color", that both marks are used with boots and shoes, and that opposer is by many years the prior user, the Assistant Commissioner pointed out that the only question for determination was whether applicant's mark so nearly resembles the mark of opposer as to be likely to confuse the public or to deceive purchasers. He then said:

"An inspection of the marks convinces me that confusion is unlikely. Their only resemblance is that in

background applicant's mark is the same color, and roughly the same shape, as opposer's. This background, however, is obscured by other matter to such an extent that it becomes relatively insignificant. Regardless of testimony to the contrary, it is my opinion that applicant's mark is dominated by the nurse's head and the notation 'Bel-View'; and I think those are the features that would impress the mind of the average purchaser.

"Obviously there could be no resemblance between the marks except in appearance; and as they differ sufficiently in that respect to insure against any reasonable likelihood of confusion, the opposition was properly dismissed."

WILLIAM J. WARDALL, TRUSTEE OF THE ESTATE OF MCKESSON & ROBBINS, INCORPORATED, DEBTOR, *v.* NYAL COMPANY, Opposition No. 18,378.

In a decision rendered May 17, 1940 (163 Ms. Dec. 501, 45 U. S. P. Q. 528), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of William J. Wardall, Trustee of the Estate of McKesson & Robbins, Incorporated, Debtor, of New York, N. Y., to the application of Nyal Company, of Detroit, Mich., for registration of the notation "NY-AQUA", with a disclaimer of the word "aqua", as a trade-mark for a medicinal preparation for nasal congestion, associated with or due to common colds, sinusitis, rhinitis, and hay fever.

Opposer relied on its trade-mark "AQUA-DRIN", registered for "nose drop and nose spray" prior to the date of first use claimed by applicant.

In his decision the Assistant Commissioner said:

"No question of priority is raised, nor is it disputed that the goods of the parties are of the same descriptive properties. The Examiner was of the opinion, however, that applicant's mark does not so nearly resemble the mark of opposer as to be likely to cause confusion in trade. I find myself in complete agreement with that opinion. The marks neither look alike nor sound alike; and the only meaning they have in common resides in the descriptive word 'aqua', to which can be attributed little, if any, significance as denoting origin."

Because the major portion of opposer's brief on appeal was devoted to the proposition that applicant's mark should be refused registration because its only undisclaimed feature, namely, the prefix "NY", is geographical, the Assistant Commissioner said:

"This allegation was not pleaded in the notice of opposition, and presents a question upon which opposer is not entitled to be heard. Nevertheless it will be considered as a possible ground of ex parte rejection of the application.

"Opposer's argument is that the capital letters 'NY' necessarily mean 'New York.' I do not think so. It will be observed that in applicant's mark the letters are not followed by periods, and are not spaced apart. Thus they would normally be read together as the first syllable of the mark, rather than separately as initials. I doubt that anyone seeing the mark on applicant's goods would attach any geographical significance thereto."

JULES WEBER, INC., *v.* BEN-BURK, INC., Cancelation No. 3487.

In a decision rendered May 17, 1940 (163 Ms. Dec. 502, 45 U. S. P. Q. 527), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences denying the motion of Jules Weber, Inc., of New York, N. Y., to amend its petition in a trade-mark cancelation proceeding involving a registration owned by the party Ben-Burk, Inc., of Boston, Mass.

With regard to the facts, the Assistant Commissioner said:

"In taking its testimony the petitioner for cancelation, Jules Weber, Inc., introduced certain evidence, over respondent's objection, tending to prove petitioner's use of the trade-mark in issue upon goods not pleaded in the petition. At final hearing before the Examiner of Interferences petitioner moved to amend the petition to allege use of the mark in connection with such goods, namely, grenadine, 'for a period of over twenty years, which grenadine is sold in bottles and is a flavoring syrup used with both alcoholic and nonalcoholic drinks'; the said amendment purporting to 'conform with said proof.' The Examiner of Interferences denied the motion to amend, and petitioner appeals."

He then said:

"I think it is well established that an amendment to conform to the proof should be refused unless the allegations of the proposed amendment are clearly sustained by the evidence. As previously noted, petitioner's evidence tends to establish its use of the mark with grenadine; but in my opinion it is not sufficiently conclusive to support a finding that such use occurred at any time prior to the date of respondent's registration.

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"The proof to which the proposed amendment purports to conform being insufficient to sustain the allegations of the amendment, the motion to amend was properly denied, and the decision is accordingly affirmed."

NICKELS & LAUBER INC. (NICKELS & LAUBER, INC., A CORP. OF N. Y., ASSIGNEE, SUBSTITUTED) *v.* VANITY FAIR SILK MILLS, Opposition No. 17,267.

In a decision rendered May 20, 1940 (163 Ms. Dec. 503, 45 U. S. P. Q. 529), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Interferences sustaining the opposition of Vanity Fair Silk Mills, of Reading, Pa., to the application of Nickels & Lauber Inc., of Philadelphia, Pa., (Nickels & Lauber, Inc., a corp. of N. Y., assignee, substituted) for registration of the word "Esquette" as a trade-mark for vests, panties, bloomers, briefs, chemises, slips, bandeaux, gowns, and pajamas for women.

Pointing out that opposer is the owner of a registration of the trade-mark "Esquire" for hosiery, scarfs, neckties, and mufflers, the registration having issued prior to the date of first use claimed by applicant, the Assistant Commissioner said:

"Although the goods named in appellant's application may be considered specifically different from the goods named in appellee's registration, the goods nevertheless are clearly of the same descriptive properties. The words 'Esquire' and 'Esquette' obviously have considerable similarity, not only in appearance but also when spoken, and in my opinion the similarity between these words, when used concurrently on the goods specified, is such as to be likely to cause confusion and mistake in the mind of the public."

PABST-ETT CORPORATION *v.* DR. W. J. ROSS COMPANY, Opposition No. 18,409.

In a decision rendered May 21, 1940 (163 Ms. Dec. 504, 45 U. S. P. Q. 532), *Assistant Commissioner Frazer* reversed in part the decision of the Examiner of Interferences and dismissed the opposition of Pabst-Ett Corporation, of Chicago, Ill., to the application of Dr. W. J. Ross Company, of Los Alamitos, Calif., for registration of the word "Nippy" as a trade-mark for canned dog and cat food, but affirmed the Examiner's adjudication that applicant is not entitled to the registration applied for. Opposer uses the same mark on cheese.

In his decision the Assistant Commissioner said:

"I agree with counsel for applicant that the mark is purely descriptive of opposer's goods. In fact 'nip' is defined in Webster's New International Dictionary as 'a tang or bite of cheese.' Nevertheless, as between the parties to this proceeding opposer was the first to use the mark, and would be likely to suffer injury by its registration to applicant for use with goods of the same descriptive properties.

"I am clearly of the opinion, however, that applicant's dog and cat food is not of the same descriptive properties as opposer's cheese. Cheese and especially the particular type of cheese to which opposer applies the alleged trade-mark here in question, is intended primarily for human consumption, while applicant's product is suitable only for use in feeding animals. The Examiner points out that cheese is sometimes used as an ingredient of dog foods, and that applicant's goods and opposer's may well be sold in the same stores. But as I had occasion to observe in the somewhat similar case of *Kellogg Co.* v. *Bremner Bros.*, 163 Ms. D. 488, 45 U. S. P. Q. 446, neither of these factors is of controlling importance in determining whether or not two items of merchandise possess the same descriptive properties.

"While I think the opposition should have been dismissed, I am also of the opinion that the registration applied for should have been refused on the ground that the mark is either descriptive or misdescriptive of applicant's goods. Another definition of the word 'nip', found in Webster's New International Dictionary, is 'a biting or pungent flavor.' Hence to refer to a food, either human or animal, as being 'nippy', is necessarily to describe its flavor. The statute forbids registration of marks consisting 'merely in words or devices which are descriptive of the goods with which they are used, or of the character or quality of such goods'; and that flavor is a characteristic of food seems manifest."

WILLIAM J. WARDALL, TRUSTEE FOR THE ESTATE OF MCKESSON & ROBBINS, INC., DEBTOR, *v.* CAMDEN COUNTY BEVERAGE COMPANY, Opposition No. 17,570.

In a decision rendered May 21, 1940 (163 Ms. Dec. 506, 45 U. S. P. Q. 530), *Assistant Commissioner Van Arsdale* sustained the opposition of William J. Wardall, Trustee for the Estate of McKesson & Robbins, Inc., Debtor, of Bridgeport, Conn., to the application of Camden County Beverage Company, of Camden, N. J., for registration of a trade-mark including the words "Lord Camden" prominently displayed and associated with the representation of a man, dressed in wig and gown, resting one hand on a book.

The Assistant Commissioner noted that opposer's mark includes the word "Lordship" in association with a picture of a mature man seated on a davenport before a fireplace in a living room or drawing-room, and that the mark was registered prior to the earliest use asserted by applicant.

As to the goods of the respective parties, he said:

"Appellant's registration is for whiskey, and appellee's application specifies only ale. These goods, though specifically different, are goods of the same descriptive properties, and, in considering the likelihood of confusion resulting from the concurrent use of the marks on the goods involved, it is proper to give consideration to the fact that purchasers frequently order and buy whiskey and ale by the drink and without seeing the labels or trade-marks. *Jacob Englander, doing business as Federal Products Co.* v. *Continental Distilling Co.*, 25 C. C. P. A. 1022; 95 Fed.(2d) 320."

As to the similarity of the marks he said:

"As to the words of the two marks, the first four letters of each are 'Lord'. The subsequent letters of the marks are different.

"As to the pictures, it seems to me that the word 'Lordship' in appellant's mark very likely would indicate to purchasers that the man depicted in the mark was an English lord. The picture in appellant's mark is stated to be of an English lord; specifically, Lord Camden, now deceased. The title 'His Lordship' is appropriate to both pictures and could be properly so applied. In this respect the words and pictures of the two marks might quite likely give the same impression to the ordinary purchaser of whiskey or ale."

He then said:

"The differences in the marks of the parties and the goods on which their marks are used are recognized. Nevertheless when recognizing also the similarities between the marks when considered as a whole, the goods on which the marks are used and the people to whom such goods are sold, it is my opinion that confusion resulting from the concurrent use of the marks on the goods specified is likely, and even if there is doubt on the question, appellee not having adopted and used the mark until long after appellant's registration of the mark asserted in this opposition, appellee's mark is not entitled to registration."

He then added:

"Opposer has taken exception to the privilege granted applicant after final hearing to amend the application by inserting therein the statement that 'The portrait shown in applicant's mark is Lord Camden, then Lord Chancellor of England, who died April 18, 1794.' Apparently this amendment was suggested by the Examiner of Interferences at final hearing. To this amendment opposer filed objection on the ground that it was untimely. The Examiner thereupon noted the objections filed by opposer, and stated that in accordance with the practice disclosed by the case of *Art Metal Construction Co. Inc.*, v. *Textile Publishing Co., Inc.*, 54 App. D. C. 75; 294 Fed. 1006; 320 O. G. 449, an oral hearing would be set, upon written request of the opposer, if filed within a certain time. Opposer filed no request for oral hearing nor amplified his objections within the time set. Opposer, on this appeal, now asserts that had the statement of this amendment been in the application at the time the notice of opposition was filed 'Opposer would in all probability have taken testimony on the other issue involved, namely the confusing similarity of the two trade-marks.' When the matter of this amendment was before the Examiner of Interferences opposer made no such allegation, nor when the Examiner agreed to the amendment being entered did opposer move to reopen proceedings to take testimony. Accordingly, it is too late at this time for opposer to raise this objection. Under the prevailing practice, I consider the amendment to have been entered properly."

EX PARTE ABRAHAM SAGER (DOING BUSINESS AS PARAMOUNT WEDDING RING COMPANY), Serial No. 410,147.

In a decision rendered May 24, 1940 (163 Ms. Dec. 510, 45 U. S. P. Q. 587), *Assistant Commissioner Frazer* held that Abraham Sager (doing business as Paramount Wedding Ring Company), of Chicago, Ill., is not entitled to register the notation "Golden Wedding", under the provisions of the act of February 20, 1905, as a trade-mark for various articles of jewelry, including wedding rings; but directed the Examiner to enter a proposed amendment, filed August 23, 1939, bringing the application under the provisions of the act of March 19, 1920.

In his decision the Assistant Commissioner said:

"The Examiner very properly refused registration under the act of 1905, on the ground that the mark is descriptive of the goods. It appears, however, that the Examiner also refused to enter a proposed amendment, filed August 23, 1939, bringing the application under the provisions of the act of March 19, 1920; and in this I think he erred.

"The word 'golden', standing alone, is doubtless descriptive of all jewelry; and so, of course, is the word 'wedding' descriptive of wedding rings. In combination, however, the two words 'golden wedding', while also in one sense descriptive of wedding rings, primarily signify a fiftieth wedding anniversary.

"Descriptiveness is no bar to registration of a trade-mark under the act of 1920, provided only that such mark is capable of trade-mark significance. I think applicant's mark meets that test."

NASH-KELVINATOR CORPORATION *v.* IMPERIAL TIRE COMPANY, Opposition No. 18,102.

In a decision rendered May 24, 1940 (163 Ms. Dec.

512, 45 U. S. P. Q. 587), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences sustaining the opposition of Nash-Kelvinator Corporation, of Kenosha, Wis., to the application of Imperial Tire Company, of Brooklyn, N. Y., for registration of the name "Lafayette", in association with an alleged portrait of General Lafayette, as a trade-mark for automobile tires and tubes.

Reviewing the facts, the Assistant Commissioner said:

"Opposer alleged and proved its ownership of three registrations, all issued prior to applicant's first use of the mark here sought to be registered. Only one of these need be considered. It is of the same name and an admittedly 'fanciful portrait' of the same general. Both this mark and applicant's have other design features, and in the absence of the name no one would suspect that the two portraits were intended to depict the same individual, but in legal contemplation the marks are nevertheless substantially identical. Opposer's mark is registered for automobiles.

"Applicant points out that opposer has failed to prove recent use of its mark in the exact form disclosed in the registration. However, there is no proof of abandonment, and opposer's continued ownership of the mark as registered must be presumed. This presumption is strengthened by the fact that the registration was issued only three years before testimony was taken."

In answer to applicant's contention that automobiles and automobile tires are not merchandise of the same descriptive properties, the Assistant Commissioner said:

"The Examiner relied upon the case of *Studebaker Corporation* v. *Standard Four Tire Co.*, 159 Ms. D. 471, 27 U. S. P. Q. 148, where the First Assistant Commissioner held that they are. Applicant argues that the cited case is not controlling, because it was decided without brief or argument on behalf of the losing party. Be that as it may, the decision was unquestionably controlling so far as the Examiner of Interferences was concerned; and here it must either be followed or overruled."

He distinguished the instant case from the case of *G & J Tire Co.* v. *G. J. G. Motor Car Co.*, 39 App. D. C. 508, cited by applicant, and said:

"It is my opinion that confusion would inevitably result from the concurrent use of applicant's mark on automobile tires and tubes, and opposer's mark on automobiles; that these goods are of the same descriptive properties within the meaning of the statute; and that the opposition to registration of applicant's mark was properly sustained."

HYGRADE SYLVANIA CORPORATION *v.* SONTAG CHAIN STORES CO., LTD., Opposition No. 17,111.

In a decision rendered May 24, 1940 (163 Ms. Dec. 509, 45 U. S. P. Q. 615), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of Hygrade Sylvania Corporation, of Salem, Mass., to the application of Sontag Chain Stores Co., Ltd., of Los Angeles, Calif., for registration of the notation "Hy-Ray" as a trade-mark for radio tubes.

The Assistant Commissioner reviewed the facts as follows:

"In the notice of opposition opposer pleaded its ownership and use of several marks all of which include the word 'Hygrade.' Two of these marks have been registered under the provisions of the act of February 20, 1905, and one under the provisions of the act of March 19, 1920, for goods of the same descriptive properties as those set forth in the application, all three registrations having issued some years prior to applicant's first use of the mark here sought to be registered.

"There is no satisfactory proof of opposer's ownership of the mark disclosed in the 1920 registration, hence it may be disregarded. Of the 1905 registrations only one need be considered, because in the other the goods are not the same as applicant's and the marks of the two registrations are substantially identical.

"Opposer's mark as disclosed in registration No. 288,095 is a triangular figure in association with the word 'Hygrade', which word is disclaimed 'apart from the mark shown in the drawing.' The goods to which the mark is appropriated are described as 'electron radio tubes.' It is the disclaimed word 'Hygrade' which opposer asserts to be deceptively simulated by applicant's mark 'Hy-Ray.'"

He then said:

"The Examiner of Interferences dismissed the opposition primarily because of opposer's lack of ownership of the word 'Hygrade' as a trade-mark. Opposer cites my decision in the recent case of *Illuminating Engineering Society* v. *Seeltig Specialties Co.*, 504 O. G. 856, 42 U. S. P. Q. 282, in which I expressed the opinion 'that an opposer is not required to own a trade-mark or to use it strictly as such in order to prevent registration to another of a confusingly similar mark.' I think that is a correct statement of law, but in passing upon the question of confusing similarity the nature of an opposer's mark must be taken into consideration."

He then quoted from the case of *American Brewing Co.* v. *Delatour Beverage Corporation*, 26 C. C. P. A. 778, 100 Fed. (2d) 253, to the effect that disclaimed words, although they are a part of the mark, can only in a very minor degree indicate origin of goods in the registrant.

He then said:

"The word 'Hygrade' in opposer's mark, which obviously means 'high grade', is purely descriptive, and was disclaimed for that reason. 'High grade' is an expression in common use to denote superior quality. Being thus generally understood, and being capable of indicating origin 'only in a very minor degree', the alleged similarity of opposer's word to applicant's mark is of considerably less importance than if it were an arbitrary term. There is some resemblance in appearance and in sound between the notations 'Hy-Ray' and 'Hygrade'; but when opposer's mark in its entirety is compared with applicant's mark, I think there is no reasonable likelihood of confusion between the two."

He then added:

"The Examiner appears to have assumed that opposer was asserting as an additional ground of opposition that applicant's mark is an appropriation of opposer's corporate name. I find no such allegation in the notice of opposition, and even had it been pleaded I am clearly of the opinion that it is untenable."

EX PARTE ED. FRIEDRICH, INC., Serial No. 417,054.

In a decision rendered May 24, 1940 (163 Ms. Dec. 511, 45 U. S. P. Q. 586), *Assistant Commissioner Frazer* held that Ed. Friedrich, Inc., of San Antonio, Texas, is entitled to register the notation "Coolite" as a trade-mark for apparatus used for supplying current for operating neon type light emitting tubes and comprising a unit embodying a casing in which is contained the necessary current control switches, and transformer, but not including the light emitting tubes themselves.

The Examiner refused registration on the ground that the mark is descriptive of the goods. In his decision the Assistant Commissioner said:

"I am inclined to agree with counsel for applicant that while the mark is highly suggestive it is not objectionably descriptive of the merchandise to which it is appropriated."

PLOUGH, INC., *v.* HENRY E. COUPLAND (WILLIAM C. HOWELL, ASSIGNEE, SUBSTITUTED), Cancellation No. 3453.

In a decision rendered May 28, 1940 (163 Ms. Dec. 513, 45 U. S. P. Q. 617), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the petition of Plough, Inc., of Memphis, Tenn., to cancel trade-mark registration No. 245,459, issued August 14, 1928, to Henry E. Coupland (William C. Howell, Assignee, Substituted), of Colorado Springs, Colo.

Pointing out that the registered mark is the word "Alkalax", ownership of which is claimed by both parties as applied to certain medicinal preparations, that petitioner pleaded and attempted to prove continuous use of the mark by itself and its predecessors since "prior to 1911", and that respondent took no testimony, the Assistant Commissioner said:

"The facts upon which petitioner relies are correctly summarized in its brief on appeal as follows:

'It clearly appears from the evidence that the mark "Alkalax" was adopted by the Webster Warnock Chemical Co. about 1911, that that business was taken over by the Barksdale Chemical Company about 1927 and continued by that company, and that the assets of the latter company including trade-marks and good will, were sold to Plough, Inc., on October 1, 1937, by the trustee in bankruptcy of the Barksdale Chemical Company.'"

The Examiner of Interferences was of the opinion that no actual use of the mark, as a trade-mark by any of these three concerns, had been shown to have occurred; but the Assistant Commissioner said:

"I am inclined to agree with counsel for petitioner that the use made of the mark by both Webster Warnock Chemical Co. and Barksdale Chemical Company was at least analogous to trade-mark use. There is no direct evidence that it was ever affixed to the goods of either, but the product was known by that name and was so ordered by customers. Under the doctrine of *John Wood Manufacturing Co.* v. *Servel, Inc.*, 22 C. C. P. A. 1370, 77 Fed. (2d) 946, it is possible that the showing made in that regard was sufficient."

He then said:

"The fatal weakness of petitioner's case is that there is no proof in the record that petitioner itself has used the mark."

After quoting from testimony on behalf of petitioner, the Assistant Commissioner said:

"In my opinion that testimony is clearly insufficient to support a finding that petitioner was using, or had used, the word 'Alkalax' as a trade-mark. Upon this important issue it seems to me that petitioner must be presumed to have made the strongest showing available, and the very fact that it contented itself with proof of so vague and indefinite a nature is rather convincing to my mind that no such use had occurred. This conviction is strengthened by the fact that the specimen labels attached to the petition to illustrate the manner in which the mark is alleged to have been used by petitioner and its predecessors bear the name of Barksdale Chemical Company. The petition was filed more than a year after petitioner's purchase of the assets of that company, and it seems reasonable to suppose that petitioner would have attached its own labels had it possessed any.

"As petitioner has failed to prove that it had used the trade-mark in question at the time its petition to cancel was filed, petitioner's claim of injury by reason of respondent's registration is manifestly untenable. *Model Brassiere Co.* v. *Bromley-Shepard Co.*, 18 C. C. P. A. 1294, 49 Fed. (2d) 482; *Skene* v. *Marinello Co.*, 50 App. D. C. 265, 270 Fed. 701."

BROWN DURRELL CO. *v.* CHARLES E. JORDON, Cancelation No. 3290.

In a decision rendered May 31, 1940 (163 Ms. Dec. 515, 45 U. S. P. Q. 619), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition of Brown Durrell Co., of New York, N. Y., to cancel registration No. 351,431, issued October 26, 1937, under the provisions of the act of March 19, 1920, to Charles E. Jordon, of Chattanooga, Tenn.

After pointing out that respondent's mark is the name "Jordon", that the mark relied upon by petitioner is the name "Gordon", registered under the so-called ten-year proviso of the act of February 20, 1905, and that both marks are used with hosiery, the Assistant Commissioner said:

"I have given very careful consideration to the able argument advanced by counsel for respondent, but I am constrained to agree with the Examiner that the two marks, when applied to identical merchandise of the character here involved, are so nearly similar as to be likely to cause confusion. Regardless of respondent's unquestioned right to use his own name upon his goods, it follows that its registration as a trade-mark, even under the act of 1920, was improper."

DUBONNET WINE CORPORATION *v.* BEN-BURK, INC., Opposition No. 18,468.

In a decision rendered May 31, 1940 (163 Ms. Dec. 516, 45 U. S. P. Q. 619), *Assistant Commissioner Frazer* reversed the decision of the Examiner of Interferences and dismissed the opposition of Dubonnet Wine Corporation, of New York, N. Y., to the application of Ben-Burk, Inc., of Boston, Mass., for registration of the notation "Bourbonet" as a trade-mark for liqueurs.

Observing that opposer relied upon its asserted ownership of the trade-mark "Dubonnet", registered for use upon wines, and that two registrations of this mark were pleaded in the notice of opposition, namely, No. 119,580 and No. 319,695, both of which registrations antedate applicant's first use of the mark sought to be registered, the Assistant Commissioner said:

"I agree with the Examiner of Interferences that wines and liqueurs are goods of the same descriptive properties, and that as applied to such goods the two marks 'Dubonnet' and 'Bourbonet' are confusingly similar. Upon the record before me, however, I am of the opinion that the opposition should have been dismissed."

He then recited the stipulated facts; and, noting that the Examiner took the position that, because the date of the stipulation was five months subsequent to the filing of the notice of opposition, opposer's admission of nonuse did not prove that the mark was not being used by opposer at the time the notice was filed, he said:

"That this construction was erroneous is frankly conceded by opposer's counsel.

* * * * * *

"It thus becomes clear that the opposition must fail unless it be held that the 'prima facie evidence of ownership' which attaches to a registered trade-mark under the provisions of section 16 of the act of February 20, 1905, is not overcome by the affirmative admission of the registrant that it does not use, and consequently does not own, the registered mark. In my opinion that proposition is self-refuting.

"Counsel for opposer argue, and the Examiner of Interferences held, that the registrations pleaded in the notice of opposition constitute a bar to the registration of applicant's mark, regardless of opposer's alleged rights. That would be true were the registered marks owned by a third party, but that is not the case. While it appears that 'Dubonnet' wine has been sold in the United States for many years, there is nothing in the stipulation of facts to support a finding that the word 'Dubonnet' had been used as a trade-mark on the wines so sold at any time prior to applicant's filing date."

HENRY KELLY & SONS, INC., *v.* GREAT NORTHERN WINE COMPANY, INC., Cancelation No. 3445.

In a decision rendered May 31, 1940 (163 Ms. Dec.

518, 45 U. S. P. Q. 618), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences sustaining the petition of Henry Kelly & Sons, Inc., of New York, N. Y., for cancellation of trade-mark registration No. 347,019, issued June 15, 1937, to Great Northern Wine Company, Inc., of New York, N. Y.

In his decision the Assistant Commissioner said:

"The registered mark is the notation 'Dutch Boy', and the mark relied on by petitioner is the notation 'Old Dutch.' Petitioner has used its mark since 1935, whereas the earliest date of use of the registered mark claimed by respondent is January 4, 1937. Both marks are applied to wines.

"Considering the character of the goods involved, and the fact that they are identical, I am constrained to agree with the Examiner of Interferences that the trade-marks 'Old Dutch' and 'Dutch Boy' are too nearly similar to be concurrently used without likelihood of confusion."

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 25, 1940

[VOL. 515. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 431,218. RAYONIER INCORPORATED, San Francisco, Calif. Filed Apr. 25, 1940.

RAYBOND

For Wood Pulp.
Claims use since Jan. 1, 1940.

Ser. No. 431,219. RAYONIER INCORPORATED, San Francisco, Calif. Filed Apr. 25, 1940.

RAYBOOK

For Wood Pulp.
Claims use since Jan. 1, 1940.

Ser. No. 431,220. RAYONIER INCORPORATED, San Francisco, Calif. Filed Apr. 25, 1940.

RAYBRITE

For Wood Pulp.
Claims use since Jan. 1, 1940.

Ser. No. 431,221. RAYONIER INCORPORATED, San Francisco, Calif. Filed. Apr. 25, 1940.

RAYACETA

For Wood Pulp.
Claims use since Jan. 1, 1940.

Ser. No. 431,222. RAYONIER INCORPORATED, San Francisco, Calif. Filed Apr. 25, 1940.

RAYSELECT

For Wood Pulp.
Claims use since Jan. 1, 1940.

Ser. No. 431,223. RAYONIER INCORPORATED, San Francisco, Calif. Filed Apr. 25, 1940.

RAYWHITE

For Wood Pulp.
Claims use since Jan. 1, 1940.

Ser. No. 431,228. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J. Filed Apr. 25, 1940.

FLEXON

For Synthetic Rubber.
Claims use since Mar. 22, 1940.

CLASS 2

Receptacles

Ser. No. 431,214. MAPES CONSOLIDATED MANUFACTURING COMPANY, Griffith, Ind. Filed Apr. 25, 1940.

N U P A K

For Molded Pulp Flats or Pads Used in Packing Eggs and Other Articles.
Claims use since Dec. 16, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 430,521. RUBIN E. RAPPEPORT, Chicago, Ill. Filed Apr. 8, 1940.



The term "Chicago" is disclaimed.
For Luggage and Leather Goods—Namely, Overnight Cases, Hat Cases, Pullman Cases, Hat and Shoe Cases, Wardrobe Cases, Two-Suiters, Jacknife Wardrobes, Gladstone Bags, Traveling Bags, and Trunks.
Claims use since Dec. 8, 1938.

Ser. No. 431,327. HARRY ROSENFELD INC., New York, N. Y. Filed Apr. 27, 1940.

CARMELLO SQUARES

For Ladies' Purses, Handbags, and Pocketbooks.
Claims use since Apr. 1, 1940.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 430,533. ALLEN B. WRISLEY COMPANY, Chicago, Ill. Filed Apr. 8, 1940.

Ovil-O

For Soap.
Claims use since Apr. 2, 1940.

Ser. No. 430,789. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Apr. 15, 1940.



No claim is made for the word "Mark" apart from the mark shown.
For Shaving Soap.
Claims use since Mar. 16, 1940.

Ser. No. 431,297. THE DAVIES-YOUNG SOAP CO., Dayton, Ohio. Filed Apr. 27, 1940.

"Cert"

For Abrasive Cleaning Compound.
Claims use since Feb. 2, 1940.

CLASS 5

Adhesives

Ser. No. 430,632. SWIFT AND COMPANY, Chicago, Ill. Filed Apr. 10, 1940.

TEXTITE

For Glue.
Claims use since Mar. 23, 1940.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 430,643. J. T. BAKER CHEMICAL CO., Phillipsburg, N. J. Filed Apr. 11, 1940.

Sol-Aspirin

The word "Aspirin" is disclaimed apart from the mark.
For Magnesium Aspirin Tablets.
Claims use since Nov. 22, 1939.

Ser. No. 430,699. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J. Filed Apr. 12, 1940.

TAPS

For Inhibitor Employed in Motor Oils to Decrease Their Corrosiveness to Bearing Metal and to Lessen Their Tendency to Stick Rings, Form Sludge, or Otherwise Deteriorate as the Result of Oxidation.
Claims use since Mar. 4, 1940.

Ser. No. 430,716. W. H. BARBER COMPANY, Minneapolis, Minn. Filed Apr. 13, 1940.

STRIXE

For Household Insect Spray.
Claims use since Apr. 1, 1940.

Ser. No. 430,730. LOUIS EPSTEIN, doing business as Epco Chemical Co., Quincy, Mass. Filed Apr. 13, 1940.

EPPY-FLUSH

The word "Flush" is disclaimed apart from the mark. The drawing is lined for red.
For Radiator Cleaning Compound.
Claims use since Dec. 31, 1938.

Ser. No. 430,819. J. ABRAMSON & SONS, INC., Brooklyn, N. Y. Filed Apr. 16, 1940.

PARAFROST

For Insecticides, Germicides, and Antiseptics.
Claims use since Mar. 1, 1934.

Ser. No. 430,836. THE PETERRA CORPORATION, Los Angeles, Calif. Filed Apr. 16, 1940.



For Medicinal Preparation for Internal Use in the Treatment of Rheumatism, Arthritis, and Various Muscular Pains and Aches, and a Medicinal Ointment for External Use in the Treatment of Skin Diseases, Burns, Abrasions, Contusions, and Sprains.
Claims use since January, 1939.

Ser. No. 430,864. E. GRIFFITHS HUGHES, LIMITED, Manchester, England. Filed April 17, 1940.

KARSODRINE

For Medicated Ointments.
Claims use since May, 1939.

Ser. No. 430,971. PEGGY SAGE, INC., New York, N. Y. Filed Apr. 19, 1940.

Hoopla

For Nail Polish.
Claims use since Apr. 16, 1940.

Ser. No. 430,972. PEGGY SAGE, INC., New York, N. Y. Filed Apr. 19, 1940.

Whirligig

For Nail Polish.
Claims use since Apr. 16, 1940.

Ser. No. 430,997. PAUL BROOKS, Angola, Ind. Filed Apr. 20, 1940.

"AGGEWA"

For Salve for the Treatment of Piles, Sores, Cuts, Skin Diseases, and Burns.
Claims use since Mar. 23, 1940.

Ser. No. 431,011. LUCIEN LELONG, INC., Chicago, Ill. Filed Apr. 20, 1940.

Carefree

For Perfume and Cologne.
Claims use since May 30, 1939.

Ser. No. 431,019. MORTON G. NEUMANN, doing business as Famous Products Co., Chicago, Ill. Filed Apr. 20, 1940.



For Perfume and Incense.
Claims use since Dec. 20, 1939.

Ser. No. 431,048. HOSPITAL LIQUIDS, INC., Chicago, Ill. Filed Apr. 22, 1940.

CHORIONE

For Anterior Pituitary-Like Sex Hormones Chorionic Gonadatrophin in Powdered Form or in Solutions of Distilled Water, for Treatment of Menorrhagia, Metrorrhagia, Dysmenorrhea, Hypogonadism, Habitual Abortion, Undescended Testes, and Sterility in the Male.
Claims use since Oct. 8, 1937.

Ser. No. 431,110. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Apr. 23, 1940.

DUS-COP

For Insecticides and Fungicides.
Claims use since Mar. 26, 1940.

Ser. No. 431,166. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Apr. 24, 1940.

SOLCOPPER

For Insecticides and Fungicides.
Claims use since Feb. 19, 1940.

Ser. No. 431,194. MARIE EARLE, INC., New York, N. Y. Filed Apr. 25, 1940.

REDBUD

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Skin and Hair Lotions, Brilliantine, Rouge Compacts, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.
Claims use since Apr. 16, 1940.

Ser. No. 431,254. IRRESISTIBLE, INC., Jersey City, N. J. Filed Apr. 26, 1940.

PRECIOUS MOMENTS

For Perfume.
Claims use since Apr. 12, 1940.

Ser. No. 431,305. HOTEL RESEARCH LABORATORIES, INC., New York, N. Y. Filed Apr. 27, 1940.

ROOM SERVICE

For Solid Fuel Composed Mainly of Alcohol.
Claims use since Oct. 26, 1939.

Ser. No. 431,331. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Apr. 27, 1940.

CREMOSILICATE

For Preparations for Treatment of Gastric Disturbances and for Rational Control of Gastro Intestinal Acidity Including Preparations for the Neutralization and Adsorption of Acid.
Claims use since Apr. 23, 1940.

Ser. No. 431,376. RECORD SUPPLY CORPORATION, Chicago, Ill. Filed Apr. 29, 1940.

NU-CLOZ

For Household and Clothes Bleach.
Claims use since Mar. 1, 1938.

Ser. No. 431,556. LUCIEN LELONG, INC., Chicago, Ill. Filed May 4, 1940.

Tailspin

PASSIONNEMENT

For Perfume.
Claims use since May 1, 1940.

Ser. No. 431,831. SCHERING CORPORATION, Bloomfield, N. J. Filed May 11, 1940.

BARAVIT

For Laxative Preparation.
Claims use since May 1, 1940.

CLASS 10

Fertilizers

Ser. No. 403,142. MOUNTAIN PEAT COMPANY, Denver, Colo., assignor to Mountain Peat Company, Denver, Colo., a corporation of Colorado. Filed Feb. 17, 1938.

Mountain

M P Co. TRADE MARK

The words "Trade Mark" and "Mountain" are disclaimed apart from the mark.
For Peat Moss, Peat Litter, Sheep Manure, and Mixtures Thereof.
Claims use since Feb. 1, 1938.

Ser. No. 430,962. LE ROY KLING, Cedar Rapids, Iowa. Filed Apr. 19, 1940.

VITABONE

For Plant Food.
Claims use since Feb. 19, 1940.

CLASS 11

Inks and Inking Materials

Ser. No. 431,308. J. M. HUBER, INC., New York, N. Y. Filed Apr. 27, 1940.

VELO

For Solid Printing Inks to Be Printed in Molten Condition.
Claims use since Feb. 8, 1940.

Ser. No. 431,393. DANA W. ROSS, doing business as Hermitage-Ross Laboratories, Chicago, Ill. Filed Apr. 26, 1940.

WRITO

For Compound or Base Used in Receiving a Hectograph Ink Impression From a Master Copy for Use in a Hectograph Duplicating Process.
Claims use since Mar. 1, 1940.

CLASS 12

Construction Materials

Ser. No. 408,793. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed July 22, 1938.

GRCO DRIP POINT

The words "Drip Point" are disclaimed except as shown.
For Refractory Products, Particularly a Specially Designed Acid-Proof Brick.
Claims use since Feb. 15, 1938.

Ser. No. 428,156. THE FIBRE CONDUIT COMPANY, Orangeburg, N. Y. Filed Feb. 2, 1940.

NOCRETE

For Conduit, Ducts, and Pipes Made of Non-Metallic Composition Material, and Fittings for the Same.
Claims use since Mar. 9, 1938.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 430,551. FOSTER ENGINEERING CO., Newark, N. J. Filed Apr. 9, 1940.

FOSTER ENGINEERING COMPANY — FOSTER AUTOMATIC VALVES — ESTABLISHED 1879

No claim is made to the words "Automatic Valves" apart from the mark.
For Pressure Regulators of the Valve Type, Non-Return Stop and Check Valves, Float Valves, Back Pressure Regulators of the Valve Type, Relief Valves, Lever-Balanced Valves, Pump Governors.
Claims use since January, 1937.

Ser. No. 431,121. LEEDALL PRODUCTS, INC., New York, N. Y. Filed Apr. 23, 1940.

NAME-O-GRAMS

For Nail Heads and Metal Studs for Forming Initials, Monograms, and Designs.
Claims use since Apr. 6, 1940.

CLASS 16

Paints and Painters' Materials

Ser. No. 421,282. UNITED CO-OPERATIVES, INC., Indianapolis, Ind. Filed July 4, 1939.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed except as shown.
For Outside and Interior Paints, and Varnishes for Houses, Barn Paints, Shingle Stains, Aluminum Paint for Metal, Wood, and Cement, Zinc Metal Paint, and Asphalt Roofing Paint.
Claims use since June 1, 1939.

Ser. No. 424,487. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Mobile, Ala. Filed Oct. 12, 1939.

BL

STUCOLITH

For Stucco, Brick, and Cement Paint (Water).
Claims use since April, 1930.

CLASS 17

Tobacco Products

Ser. No. 428,446. STEPHANO BROTHERS, Philadelphia, Pa. Filed Feb. 10, 1940.

ATLAS

For Smoking Tobacco.
Claims use since Jan. 25, 1940.

Ser. No. 431,376. RECORD SUPPLY CORPORATION, Chicago, Ill. Filed Apr. 29, 1940.

NU-CLOZ

For Household and Clothes Bleach.
Claims use since Mar. 1, 1938.

Ser. No. 431,556. LUCIEN LELONG, INC., Chicago, Ill. Filed May 4, 1940.

Tailspin

PASSIONNEMENT

For Perfume.
Claims use since May 1, 1940.

Ser. No. 431,831. SCHERING CORPORATION, Bloomfield, N. J. Filed May 11, 1940.

BARAVIT

For Laxative Preparation.
Claims use since May 1, 1940.

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ESTABLISHED 1879

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Claims use since January, 1937.

Ser. No. 431,121. LEEDALL PRODUCTS, INC., New York, N. Y. Filed Apr. 23, 1940.

NAME-O-GRAMS

For Nail Heads and Metal Studs for Forming Initials, Monograms, and Designs.
Claims use since Apr. 6, 1940.

CLASS 16

Paints and Painters' Materials

Ser. No. 421,282. UNITED CO-OPERATIVES, INC., Indianapolis, Ind. Filed July 4, 1939.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed except as shown.
For Outside and Interior Paints, and Varnishes for Houses, Barn Paints, Shingle Stains, Aluminum Paint for Metal, Wood, and Cement, Zinc Metal Paint, and Asphalt Roofing Paint.
Claims use since June 1, 1939.

Ser. No. 424,487. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Mobile, Ala. Filed Oct. 12, 1939.

STUCOLITH

For Stucco, Brick, and Cement Paint (Water).
Claims use since April, 1930.

CLASS 17

Tobacco Products

Ser. No. 428,446. STEPHANO BROTHERS, Philadelphia, Pa. Filed Feb. 10, 1940.

ATLAS

For Smoking Tobacco.
Claims use since Jan. 25, 1940.

Ser. No. 428,447. STEPHANO BROTHERS, Philadelphia, Pa. Filed Feb. 10, 1940.



No claim is made to the representation of the goods nor to the notation 5¢.
For Smoking Tobacco.
Claims use since Jan. 25, 1940.

Ser. No. 428,448. STEPHANO BROTHERS, Philadelphia, Pa. Filed Feb. 10, 1940.



For Smoking Tobacco.
Claims use since Jan. 25, 1940.

Ser. No. 430,748. MAX SCHWARZ MANUFACTURER LA PRIMADORA HAVANA CIGARS, LTD., New York, N. Y. Filed Apr. 13, 1940.

"The Call of the MILD"

The word "Mild" is disclaimed except as shown.
For Cigars.
Claims use since Apr. 9, 1940.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 395,568. THE EASTERN MALLEABLE IRON COMPANY, Naugatuck, Conn., and Cleveland, Ohio. Filed July 23, 1937.



For Certain Hardware Adapted for Use on Vehicles Including Wheeled Agricultural Implements, Motor Coaches, Motor Cars, Motor Trucks, Refrigerated Motor Truck Bodies, Trailers, Wagons, Boats and Airplanes, as follows: T Plates, Cross Plates, Body Handles, Brackets for Body Handles, Corner Plates, Corner Irons, Combination Corner Iron End Plates, Robe Rail Brackets, Side-Board Fasteners for Bodies, Lazy Back Irons, Auxiliary Seat Irons, Folding Seat Irons, Jointed Supports for Folding Vehicle Tops, Bus Seat Irons, Adjustable Seat Irons, Metal Parts for Use in Seat Arms, Bus Seat Handles, Side Door Controls for Busses and Motor Coaches, Rear Door and Step Controls for Busses and Motor Coaches, Emergency Door Controls for Busses and Coaches, Folding Step Irons and Brackets, Levers and Ratchets, Folding Door Roller Guides, Folding Steps for Baggage Racks, Window Guard Holders, Screen Holders for Screens Used as Window Guards, End Rail Brackets, End Gate Fasteners, Pivot Plates for End Gates, Stake Rack Fasteners, End Gate Catch Hooks, End Gate Irons and Hinges, Moving Van Rear Door Irons, Body and End Gate Chain Eyes, Slat Irons, Bolster and Sill Bearings, Stake Rings, Stake Pockets, Stake Plates, Box Staples, Bow Staples With Eyes, Bow Stops, Tarpaulin Bow Holders, Partition Body Cleats, Foot Board Brackets, Top Hood Braces, Flare Board Irons, Sliding Door Guides, Inside Body Braces, Body Rail Braces, Side Extension Body Irons, Rear Cross Bar Braces, Body Top Irons, Elevating Collars, Yoke Rod Ends, Shaft Bearings, Shaft Collars, Footman Loops, Trap Loops, Vehicle Spring Chairs and Clip Plates, Spring Plates and Spring Clip Tie Plates, Clip Spacer Plates, Barrel Shackles for Airplanes, Metal Washers, Spring Shackles, Clip Ties, Picket Pins, Rope Cleats, Row Locks, Trailer Hitches, Foot Lever Pads, Windshield Throwouts, Top and Windshield Attachments for Attaching Folding Tops to Windshield Brackets, Windshield Hinges, Windshield Knobs, Fender Anchor Plates, Whiffletree Hooks, Whiffletree Springs, Whiffletree End Irons, Neck Yoke Ferrules, Neck Yoke Center Hooks, Whiffletree Center Irons, Doubletree Clips, Cart Shaft Hooks, Evener Drop Supports, Evener Top Plates, Evener Drop Stay Braces, Rear Perch Irons, Whiffletree Plates, Doubletree Plates, Whiffletree Couplings, Platform Bolster Plates, Fifth Wheels, Wear Irons, Step Plates, Axle Steps, Body Steps, Carriage Steps, Sleigh Steps, Buggy Steps, Milk Wagon Step Pads, Ice Wagon Steps, Farm Wagon Bolster Plates, Wagon Stakes, Hound and Reach Sockets, Hold Backs, Shaft Tips, Neck Yoke Tips, Wagon Pole Tips and Pins, Tongue Caps, Wagon Tongue Sockets, Shaft Couplings for Farm Wagons, Spring Wagons, Buggies and Sleighs, Cart Shaft Heels, Draft Eye Pins, Shaft Plates, Wagon Seat Braces and Corner Irons, Dash Feet, Goose Necks, Dash Braces, Trap Seat Irons, Buckboard Seat Risers Bolster Braces for Lumber Wagons, Bolster Stakes, Whiffletree Drop T Plates, Platform Gear Hound Caps, Pole Sockets, Platform Gear Shaft Shackles, Platform Gear Step Pads and Braces, Fellow Plates, Wagon Brake Hand Levers, Wagon Brake Hand Lever Ratchets, Brake Hangers for Wooden Beam Wagon Brakes, Brake Lever Brackets, Brake Block Shoes, Box Clips, Axle Clip Ties and Plates for Horse-Drawn Vehicles, Spring Braces for Horse-Drawn Vehicles, Cart Heel Braces, Platform Gear Shackles, Whip Sockets, Custom-Made and Specially Ordered Malleable Cast Metal Vehicle Parts, and Malleable Castings for Wheels and Wheel Parts.
Claims use since Apr. 26, 1892.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 431,139. BIRD & SON, INC., East Walpole, Mass. Filed Apr. 24, 1940.

BORDERTONE

For Floor Covering of the Hard-Surfaced Fexible Type Having an Asphalt Saturated Felt Base and a Decorative Wearing Layer Thereon.
Claims use since Apr. 15, 1940.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 415,377. CAPITAL ELEVATOR AND MANUFACTURING COMPANY, Columbus, Ohio. Filed Jan. 30, 1939.



No claim is made to the word "Elevators" apart from the mark.
For Electric Elevators for Both Passengers and Freight, Electric Dumbwaiters, Electric Sidewalk Lifts, Ash Hoists, Skip Hoists, Ice Lifts, Barrel Hoists, and Tray Elevators.
Claims use since June, 1923.

Ser. No. 419,188. FLORENCE STOVE COMPANY, Gardner, Mass. Filed May 8, 1939.

FLORENCE

For Electric Ranges.
Claims use since Mar. 30, 1939.

Ser. No. 428,606. CHRYSLER CORPORATION, Highland Park, Mich., and Dayton, Ohio. Filed Feb. 16, 1940.

AIRTEMP

For Electric Motors, Electric Relays, and Electrically operated Switch Devices Including Fan and Limit Switches for Warm Air Furnaces, Burner Controlling Switches for Warm Air Furnaces, and Burner Controlling Switches for Boilers.
Claims use on electric motors since July 26, 1938; on electric relays since July 12, 1938; and on electrically operated switch devices including fan and limit switches for warm air furnaces, burner controlling switches for warm air furnaces, and burner controlling switches for boilers since July 12, 1938.

Ser. No. 430,395. GLOBE-UNION INC., Milwaukee, Wis. Filed Apr. 5, 1940.

MOTO-MATE

For Storage Batteries and Spark Plugs.
Claims use since May, 1938.

Ser. No. 430,578. FARMERS' NATIONAL MARKET SYSTEM, INC., Chicago, Ill., and New York, N. Y. Filed Apr. 10, 1940.

SELEVISION

For Electrical Machines for Recording and Advising Bids and Sales and Effecting Sales of Products in Wholesale Quantities.
Claims use since Oct. 27, 1938.

Ser. No. 430,598. JACK GALTER, Chicago, Ill. Filed Apr. 10, 1940.

STEAM-MAID

Applicant disclaims "Steam" apart from the mark.
For Garment or Other Material Pressing Steam Electric Hand Irons.
Claims use since Aug. 12, 1937.

Ser. No. 431,365. MAX MARLOW, New York, N. Y. Filed Apr. 29, 1940.



For Incandescent Electric Lamps, Fluorescent Electric Lamps and Electric Lamp Fixtures.
Claims use since Apr. 24, 1940.

Ser. No. 431,382. U. S. UTILITIES, INC., Chicago, Ill. Filed Apr. 29, 1940.

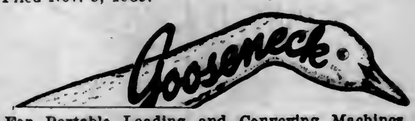
VITAMINERAL

For Electrical Waffle Molds or Cookers.
Claims use since Apr. 22, 1940.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 425,448. BARBER-GREENE COMPANY, Aurora, Ill. Filed Nov. 9, 1939.



For Portable Loading and Conveying Machines for Coal, Coke, Sand, Gravel, and Like Materials.
Claims use since Sept. 25, 1939.

Ser. No. 429,493. F. L. SMIDTH & CO., New York, N. Y. Filed Mar. 12, 1940.

Cylcromax

For Metal Grinding Bodies for Use in Mills for Grinding Limestone, Fine Cement, and the Like.
Claims use since Jan. 26, 1940.

Ser. No. 430,466. SPEED PRODUCTS COMPANY, Long Island City, N. Y. Filed Apr. 6, 1940.

SPEEDMATIC

For Stapling Machines, Tackers, and Pliers for Fastening Together Such Materials as Paper, Cardboard and/or Cloth or the Like.
Claims use since Mar. 25, 1940.

Ser. No. 431,383. U. S. UTILITIES, INC., Chicago, Ill. Filed Apr. 29, 1940.

VITAMINERAL

For Juicers, Devices for Pressing the Juice from Fruits, Particularly Citrus Fruits, and Vegetable and Fruit Shredders.
Claims use since Apr. 22, 1940.

Ser. No. 431,391. CARLING TURBINE BLOWER CO., Worcester, Mass. Filed Apr. 29, 1940.

Carling

For Turbine-Actuated Blowers, Power Turbines Operated by Steam or Other Elastic Fluid, Turbine Centrifugal Blowers and Exhausters, Rotary Fan Blowers, and Parts of Said Machines.
Claims use since Sept. 5, 1918.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 408,154. THE BROWN INSTRUMENT COMPANY, Philadelphia, Pa. Filed July 2, 1938.

AIR-O-MOTOR

No claim is made for the word "Air" apart from the mark.
For Pneumatically Operated Instruments to Vary the Passage of a Medium Through a Conduit in Response to a Controlled Pressure Applied Thereto.
Claims use since Apr. 11, 1938.

Ser. No. 415,284. J. LUDDIE CROOM, Wilmington, N. C. Filed Jan. 27, 1939.

J
LUDDIE CROOM
MASTER GAUGE

Applicant disclaims the words "Gauge" and "J. Luddie Croom" apart from the mark.
For Water-Pressure Charts for Use in Connection with the Operation of Equipment in Fighting Fires.
Claims use since Sept. 27, 1938.

Ser. No. 415,672. SIMPSON ELECTRIC COMPANY, Chicago, Ill. Filed Feb. 6, 1939.

HAMMETER

For Electrical Measuring Instruments Comprising Milliammeters and Combined Instruments for Measuring Voltage, Resistance, and Current.
Claims use since Jan. 27, 1939.

Ser. No. 429,139. SPENCER LENS COMPANY, Buffalo, N. Y. Filed Mar. 2, 1940. Under section 5b of the act of 1905 as amended in 1920.

SPENCER

For Advertising Display Projection Apparatus; Ballistic Scientific and Laboratory Apparatus; Bibliofilm Projectors; Balances; Binoculars; Blood, Urine, Milk and Mold Testing and Counting Apparatus; Laboratory Centrifuges; Cinemicrographic Apparatus; Colorimeters; Colony Counters; Laboratory Ether Freezers; Finger Print Magnifiers; Goniometers; Helixometers; Illuminated Magnifiers; Scientific and Laboratory Illuminating Apparatus; Laboratory Incubators; Map Projectors; Mechanical Stages for Microscopes; Metal Hardness Testers; Micrometers, Both Mechanical and Optical; Microscope, Telescope, Condensing, Photographic and Projecting Lenses and Lens Systems; Microscope Lamps; Nephelometers; Eye Testing, Examining and Exercising Instruments; Scientific and Laboratory Optical Appliances; Optical Measuring Instruments; Periscopes; Photomicrographic Apparatus; Light Polarizing Apparatus; Prismatic Optical Appliances; Lantern Slide and Film Slide Projectors; Range Finding Apparatus; Refractometers; Optical Signalling Apparatus; Spectrometers; Spectrographs; Spectroscopes; Spectrophotometers; Surveying Levels; Telescopes; Laboratory Tissue Freezers; and Their Parts and Accessories.
Claims use on advertising display projector apparatus, since September, 1925; on ballistic scientific and laboratory apparatus, since January, 1929; on bibliofilm projectors, since January, 1933; on balances, since January, 1904; on binoculars and field glasses, since September, 1914; on blood, urine, milk and mold testing and counting apparatus, since January, 1906; on laboratory centrifuges, since January, 1904; on cinemicrographic apparatus, since June, 1928; on colorimeters since June, 1914; on colony counters, since June, 1914; on laboratory ether freezers, since September, 1935; on finger print magnifiers, since January, 1929; on goniometers, since September, 1923; on helixometers, since September, 1930; on illuminated magnifiers, since June, 1935; on scientific and laboratory illuminating apparatus, since January, 1895; on map projectors, since April, 1935; on mechanical stages for microscopes, since September, 1903; on hardness testers, since January, 1925; on micrometers, mechanical and optical, since January, 1895; on microscope lamps, since January, 1906; on microscope, telescope, condensing, photographic and projection lenses and lens systems, since October, 1847; on nephelometers, since January, 1915; on eye testing, examining and exercising instruments for testing, examining and measuring eyes, since January, 1934; on diagnostic instruments, since January, 1934; on scientific and laboratory optical appliances, since September, 1895; on optical measuring instruments, since 1895; on periscopes, since January, 1920; on photomicrographic apparatus, since January, 1904; on light polarizing apparatus, since 1868; on prismatic optical appliances, since January, 1910; on lantern slide and film projectors, since January, 1906; on range finding apparatus, since January, 1918; on refractometers, since September, 1920; on optical signalling apparatus, since January, 1918; on spectrometers, since June, 1920; on spectrographs, since June, 1928; on spectroscopes, since April, 1931; on spectrophotometers, since June, 1914; on surveying levels, since January, 1916; on telescopes, since October, 1847; on laboratory tissue freezers, since January, 1904.

Ser. No. 429,769. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 20, 1940.

SPEED CHIEF

For Bicycle Speedometers.
Claims use since Nov. 15, 1939.

Ser. No. 431,245. WILLIAM H. GLAZER, Philadelphia, Pa. Filed Apr. 26, 1940.

BALZONE

For Eyeglass Lenses, Eyeglass Spectacles, and Instruments for Calculating the Proper Zones of Vision for Lenses.
Claims use since Feb. 24, 1940.

Ser. No. 431,299. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Apr. 27, 1940.

KODASLIDE

For Lantern Slides and Materials for Making Lantern Slides; Stereopticon Projectors and Carrying Cases Therefor; Mounts and Holders for Photographs, Transparencies and Lantern Slides; Lantern Slide Filing Cases; Adapters for Use With Projectors.
Claims use since Jan. 13, 1937.

CLASS 27

Horological Instruments

Ser. No. 430,277. HAMILTON WATCH COMPANY, Lancaster, Pa. Filed Apr. 2, 1940.

AURIUM

For Watches of All Types—i. e., Pocket Watches, Wrist Watches, Brooch Watches, and Chatelaine Watches, and Attachments Therefor of All Types—i. e., Strap Attachments, Bracelet Attachments, Chain Attachments, and Pin Attachments, Sold With the Watches as a Unit, and Also Watch Cases, Watch Dials, and Watch Parts.
Claims use since Mar. 29, 1940.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 414,393. THE BURKAY COMPANY, Toledo, Ohio. Filed Dec. 31, 1938.

BURKAY

For Gas Water Heaters, Gas Burners and Parts Thereof and Therefor.
Claims use since Dec. 13, 1938.

CLASS 36

Musical Instruments and Supplies

Ser. No. 430,432. AUDIO DEVICES, INC., New York, N. Y. Filed Apr. 6, 1940.

CHIPCHASER

For Recording Thread Brushes for Use With Sound Recording Machines to Prevent the Thread Which is Being Cut Out of the Record Blank From Becoming Entangled With the Recording Stylus.
Claims use since Jan. 29, 1940.

CLASS 37

Paper and Stationery

Ser. No. 417,019. KELLOGG COMPANY, Battle Creek, Mich. Filed Mar. 13, 1939.

Kel-liner

The Word "Liner" is disclaimed apart from the mark.
For Waxed, Oiled, Impregnated, Heat-Sealing, Translucent, Transparent, Waterproof, Moistureproof, or Airproof Paper, or Other Paper Used in Lining Cases, Boxes or Other Cartons and Papers Used to Form Containers, Bags and Sacks to Protect the Goods From Air, Moisture, Etc., and for Wrapping Purposes Sold Separately and Apart From Any Contents of Packages of Cereal.
Claims use since Sept. 12, 1938.

Ser. No. 427,462. EASTERN CORPORATION, Brewer, Maine. Filed Jan. 15, 1940.

Hurricane Wrapped

The word "Wrapped" is disclaimed apart from the mark.
For Specially Wrapped Packages of Bond, Ledger, "Mimeograph," Writing, Duplicator, and Cover Papers.
Claims use since Nov. 27, 1939.

Ser. No. 430,340. TESTED PAPERS OF AMERICA, INC., Chicago, Ill. Filed Apr. 3, 1940.

TEST LINE

For Toilet Tissue, Facial Tissue, Wax Paper, Paper Napkins, and Paper Towels.
Claims use since Jan. 12, 1940.

Ser. No. 430,341. TESTED PAPERS OF AMERICA, INC., Chicago, Ill. Filed Apr. 3, 1940.

TEST★MARK

For Toilet Tissue, Facial Tissue, Wax Paper, Paper Napkins, and Paper Towels.
Claims use since Jan. 29, 1940.

Ser. No. 430,676. BRODHAVEN MANUFACTURING CO., INC., New York, N. Y. Filed Apr. 12, 1940.

MAMMYMEMO

For Paper Pads and Holders Therefor.
Claims use since Apr. 8, 1940.

Ser. No. 431,188. LOUIS SCHULMAN CO. INC., New York, N. Y. Filed Apr. 23, 1940.

Tweedsheen Rays

For Wrapping Paper and Box Covering Paper.
Claims use since Feb. 1, 1939.

CLASS 38

Prints and Publications

Ser. No. 428,604. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Feb. 16, 1940.

SELL-O-VISION NEWS

For Magazine.
Claims use since Dec. 1, 1939.

Ser. No. 431,079. RADIO PUBLICATIONS CORPORATION, Chicago, Ill. Filed Apr. 22, 1940.

DIAL — LITE

For Periodically Published Publication.
Claims use since Apr. 17, 1940.

Ser. No. 431,243. THE FIRST FEDERAL SAVINGS AND LOAN ASSOCIATION OF WASHINGTON, Washington, D. C. Filed Apr. 26, 1940.

The FEDERAL FIRESIDE

For Quarterly Magazine.
Claims use since Aug. 24, 1938.

Ser. No. 431,411. F. W. DODGE CORPORATION, New York, N. Y. Filed Apr. 30, 1940.

IDEA DIGEST

For Periodical Publication Published from Time to Time.
Claims use since Apr. 8, 1940.

CLASS 39

Clothing

Ser. No. 421,759. COLORDINATION GROUP, INC., New York, N. Y. Filed July 20, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

"AMBRITE"

For Women's and Misses' Coats, Suits, Dresses, Blouses, Outer Skirts, Hats, Hosiery, Shoes and Gloves Made of Leather and Fabric and Combinations Thereof, and Apparel Belts.
Claims use since June, 1939.

Ser. No. 421,760. COLORDINATION GROUP, INC., New York, N. Y. Filed July 20, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

"AZURITE"

For Women's and Misses' Coats, Suits, Dresses, Blouses, Outer Skirts, Hats, Hosiery, Shoes and Gloves Made of Leather and Fabric and Combinations Thereof, and Apparel Belts.
Claims use since June, 1939.

Ser. No. 421,761. COLORDINATION GROUP, INC., New York, N. Y. Filed July 20, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

"OLIVITE"

For Women's and Misses' Coats, Suits, Dresses, Blouses, Outer Skirts, Hats, Hosiery, Shoes and Gloves Made of Leather and Fabric and Combinations Thereof, and Apparel Belts.
Claims use since June, 1939.

Ser. No. 421,762. COLORDINATION GROUP, INC., New York, N. Y. Filed July 20, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

"RUDDITE"

For Women's and Misses' Coats, Suits, Dresses, Blouses, Outer Skirts, Hats, Hosiery, Shoes and Gloves Made of Leather and Fabric and Combinations Thereof, and Apparel Belts.
Claims use since June, 1939.

Ser. No. 421,763. COLORDINATION GROUP, INC., New York, N. Y. Filed July 20, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

"UNCOMMON CLAY"

For Women's and Misses' Coats, Suits, Dresses, Blouses, Outer Skirts, Hats, Hosiery, Shoes and Gloves Made of Leather and Fabric and Combinations Thereof, and Apparel Belts.
Claims use since June, 1939.

Ser. No. 424,831. AVIS HATS, New York, N. Y. Filed Oct. 23, 1939.

Avis Hats New York

No claim is made to the words "Hats" and "New York."
For Ladies' Hats.
Claims use since May 1, 1939.

Ser. No. 426,887. LOUIS LEVINE & SONS, Cincinnati, Ohio. Filed Dec. 26, 1939.

A Junior Half

Applicant disclaims the phrase "A Junior Half" except as shown.
For Ladies' and Misses' Dresses.
Claims use since Dec. 19, 1939.

Ser. No. 426,888. LOUIS LEVINE & SONS, Cincinnati, Ohio. Filed Dec. 26, 1939.

A JUNIOR HALF BY Le Vine

Applicant disclaims the phrase "A Junior Half by" except as shown and the representation of the hang tag per se.
For Ladies' and Misses' Dresses.
Claims use since Dec. 19, 1939.

Ser. No. 429,456. ROSLYN MFG. CO., New York, N. Y. Filed Mar. 11, 1940.

GEM—CRAFT

For Ladies' and Children's Dresses, House Dresses, House Coats, and Hoovers, and Men's, Ladies', and Children's Pajamas, Aprons, Uniforms, Night Gowns, Bath Robes, Lounging Robes, and Beach Robes.
Claims use since Oct. 1, 1936.

Ser. No. 429,670. JONAT SPORTSWEAR CO., INC., New York, N. Y. Filed Mar. 16, 1940.

"NATTY-JO" Style

Applicant disclaims the word "Style."
For Ladies' Garments and Accessories Consisting of Skirts, Suits, Blouses, and Slacks.
Claims use since Jan. 25, 1940.

Ser. No. 430,184. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Mar. 30, 1940.

ROCKSTONE

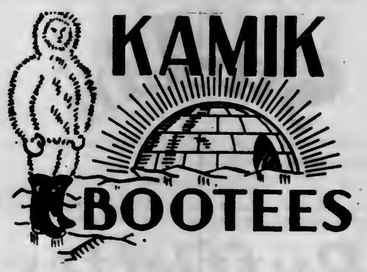
For Men's Topcoats and Overcoats.
Claims use since Mar. 5, 1940.

Ser. No. 430,349. BERNHARDT'S CLOTHES, INC., Wheeling, W. Va. Filed Apr. 4, 1940.

Clifton Hall

No claim is made to the word "Clifton" apart from the mark.
For Men's Suits, Top Coats, Overcoats, and Trousers.
Claims use since Mar. 30, 1940.

Ser. No. 430,461. SHIELDS SLIPPER CORPORATION, Bombay, N. Y. Filed Apr. 6, 1940.



No claim is made to the words "Kamik" and "Bootees" apart from the mark.
For Men's, Women's, and Children's Boots and Shoes Made of Leather and Fabric.
Claims use since Feb. 29, 1940.

Ser. No. 430,573. THE ALLEN A COMPANY, Bennington, Vt. Filed Apr. 8, 1940.



Applicant disclaims the word "Sock" and the surname "Allen" apart from the mark.
For Men's and Boys' Hosiery.
Claims use since Feb. 1, 1939.

Ser. No. 430,586. L. BAMBERGER & CO., Newark, N. J. Filed Apr. 10, 1940.

bambilt

For Men's Underwear, Undershirts, Outershirts, Neckties, Collars, Scarfs, and Hosiery.
Claims use since Jan. 25, 1940.

Ser. No. 430,670. BABS JUNIOR, INC., New York, N. Y. Filed Apr. 12, 1940.

Bab-lin Brook*

For Dresses for Women, Misses, and Juniors.
Claims use since Feb. 15, 1940.

Ser. No. 430,924. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 18, 1940.

Su-Lin

For Men's and Boys' Outer Shirts and Trousers.
Claims use since Mar. 15, 1940.

Ser. No. 431,034. BLUE SWAN MILLS, INC., New York, N. Y. Filed Apr. 22, 1940.

Rufflettes

For Ladies' and Children's Underwear.
Claims use since Apr. 12, 1940.

Ser. No. 431,074. NEWSTADT'S SHOE STORES, Shreveport, La. Filed Apr. 22, 1940.

Val-Del

For Women's, Girls', and Children's Shoes of Leather, Fabric, and Combinations Thereof.
Claims use since January, 1938.

Ser. No. 431,078. PODHOUSER & HOLLINGER FUR CORP., New York, N. Y. Filed Apr. 22, 1940.

ON DATRA

For Dyed Muskrat Coats for Women.
Claims use since December, 1939.

Ser. No. 431,086. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 22, 1940.

JEEPERS

For Men's, Women's, and Children's Shoes Formed of Leather, Fabric, and Rubber and Combinations Thereof.
Claims use since Apr. 15, 1938.

Ser. No. 431,088. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 22, 1940.



For Babies' Shoes.
Claims use since Aug. 1, 1939.

Ser. No. 431,206. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Apr. 25, 1940.

"Glamour Boy"

For Hosiery.
Claims use since Apr. 9, 1940.

Ser. No. 431,338. BLUE SWAN MILLS, INC., New York, N. Y. Filed Apr. 29, 1940.

FLARIKINS

For Ladies' and Children's Underwear.
Claims use since Apr. 22, 1940.

Ser. No. 431,339. BLUE SWAN MILLS, INC., New York, N. Y. Filed Apr. 29, 1940.

IKINS

For Ladies' and Children's Underwear.
Claims use since Apr. 22, 1940.

Ser. No. 431,340. BLUE SWAN MILLS, INC., New York, N. Y. Filed Apr. 29, 1940.

SMOOTHIKINS

For Ladies' and Children's Underwear.
Claims use since Apr. 22, 1940.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 430,790. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Apr. 15, 1940.



The word "Mark" is disclaimed apart from the mark.
For Hair Combs.
Claims use since Mar. 16, 1940.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 429,366. ALEO MILLS, INC., New York, N. Y. Filed Mar. 8, 1940.

INFORMATION PLEASE

For Cotton and/or Rayon Piece Goods.
Claims use since Feb. 21, 1940.

Ser. No. 429,811. ELLERY PRODUCTS MANUFACTURING CO. INC., New York, N. Y. Filed Mar. 21, 1940.

CROSCILL

For Window Drapes and Hangings.
Claims use since Feb. 29, 1940.

Ser. No. 430,438. DOCTOR DRESS CO., INC., Chicago, Ill. Filed Apr. 6, 1940.

Marquinette

For Piece Goods and Bolts of Rayon.
Claims use since Apr. 2, 1940.

Ser. No. 430,704. WIEDERKEHR BROS., New York, N. Y. Filed Apr. 12, 1940.



All words except "White Gold" are disclaimed apart from the mark as shown.
For Sheets and Pillow Cases.
Claims use since Jan. 3, 1939.

Ser. No. 430,975. SEA ISLAND MILLS, INC., New York, N. Y. Filed Apr. 19, 1940.

ELEMENT

For Water Repellent Cotton Piece Goods.
Claims use since June, 1938.

Ser. No. 430,995. BEE & EM MFG. CO., Philadelphia, Pa. Filed Apr. 20, 1940.



For Corduroy Piece Goods Used in the Manufacture of Men's and Boys' Lumberjackets and Knickers.
Claims use since May 30, 1938.

Ser. No. 431,472. ALBERT H. VANDAM CO., INC., New York, N. Y. Filed May 1, 1940.

AQUALAN

For Cotton Piece Goods.
Claims use since Dec. 1, 1939.

Ser. No. 431,505. ALBERT H. VANDAM CO., INC., New York, N. Y. Filed May 2, 1940.

STORMASTER

For Cotton Piece Goods.
Claims use since Dec. 1, 1939.

Ser. No. 431,533. PACIFIC MILLS, Lawrence and Boston, Mass. Filed May 3, 1940.

FACTAG

For Cotton Piece Goods.
Claims use since Apr. 5, 1940.

Ser. No. 431,559. MALDEN MILLS, INC., Malden, Mass. Filed May 4, 1940.

HOUSE-O-LORDS

For Knitted Fabrics in the Piece, of Cotton, Wool, Rayon, and Combinations Thereof.
Claims use since Aug. 6, 1935.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 425,605. ZONITE PRODUCTS CORPORATION, New York, N. Y. Filed Nov. 13, 1939.

Forhan's

R J Forhan DDS

The signature is that of R. J. Forhan, D. D. S.
For Gum Massagers.
Claims use since July 25, 1939.

Ser. No. 429,346. DURALUX CO. INC., New York, N. Y. Filed Mar. 8, 1940.

DURALENE

For Resinous Powder and Resinous Liquid Preparation Used in Making Dentures.
Claims use since Nov. 4, 1939.

Ser. No. 429,596. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Filed Mar. 15, 1940.

En Tray

The word "Tray" except in the relation shown is disclaimed.
For Manicure Sets Including Scissors, Nail Buffers, Orange Sticks, and Cuticle Removers.
Claims use since Mar. 1, 1940.

Ser. No. 431,312. MACLEVY SLENDERIZING EQUIPMENT AND SYSTEM, INC., New York, N. Y. Filed Apr. 27, 1940.

SLENDRO

For Body Massaging Apparatus.
Claims use since July 18, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 431,213. FRANK LOZENSKI, Leavenworth, Kans. Filed Apr. 25, 1940.



For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since Apr. 12, 1940.

Ser. No. 431,293. CARIBBEAN PRODUCTS COMPANY, INC., Baltimore, Md. Filed Apr. 27, 1940.



For Nonalcoholic Maltless Syrups and Concentrates for Making Soft Drinks.
Claims use since Apr. 26, 1940.

Ser. No. 431,484. B. T. FOOKS, doing business as B. T. Fooks Manufacturing Company, Camden, Ark. Filed May 2, 1940.

MICK'S

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making Same.
Claims use since Oct. 15, 1938.

CLASS 46

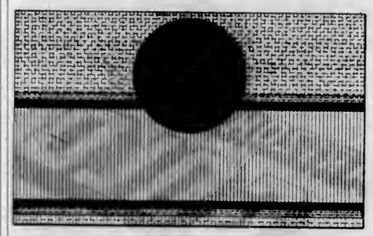
Foods and Ingredients of Foods

Ser. No. 418,326. BON-BERGER COMPANY, Superior, Wis. Filed Apr. 17, 1939.



The drawing is lined for red. Applicant disclaims the words "New and Tasty Luncheonette" apart from the mark.
For Beef, Pork, Veal, and Mixtures Thereof.
Claims use since Apr. 11, 1939.

Ser. No. 418,584. MAINE CANNED FOODS, INC., Portland, Maine. Filed Apr. 22, 1939.



The drawing is lined for yellow, black, and red.
For Canned Food Products—Namely, Canned Fruit Pudding, Canned Brown Bread, and Salted Popcorn.
Claims use since Dec. 2, 1936.

Ser. No. 420,982. VAL VITA FOOD PRODUCTS, INC., Los Angeles and Fullerton, Calif. Filed June 26, 1939.

VALVITA

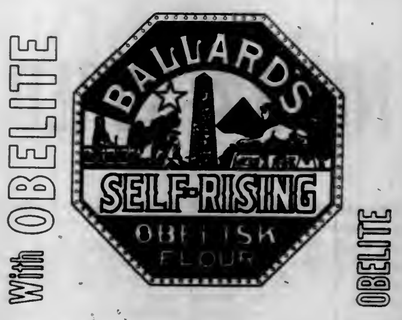
The applicant is the owner of registration No. 305,868, dated Aug. 29, 1933, and No. 345,886, dated May 11, 1937.
For Canned Fruits, Vegetables, Canned Salmon, Soups, Fruit Juices for Food Purposes, Vegetable Juices for Food Purposes, Apple Sauce, Pork and Beans, Tomato Puree, Spanish Style Tomato Sauce, Tomato Paste, Tomato Catsup, Olives, Puree of Spinach and Vegetable Shortening; Dried Prunes, Pancake Flour, Fruit Preserves, Vinegar, Honey, Table Syrup, All-Spice, Dessert Powder for Puddings, Olive Oil, Prepared Mustard, Pickles, Salad Dressing, Popped Popcorn, Baking Powder, Flavoring Extracts for Foods, and Coffee.
Claims use since July 15, 1932.

Ser. No. 426,179. BAYVIEW CITRUS ASSOCIATION, Los Fresnos, Tex. Filed Dec. 4, 1939.

BAYTEX

For Fresh and Canned Citrus Fruit and Canned Grapefruit Juice for Food Purposes.
Claims use since Sept. 26, 1939.

Ser. No. 426,757. BALLARD & BALLARD COMPANY, INCORPORATED, Louisville, Ky. Filed Dec. 20, 1939.



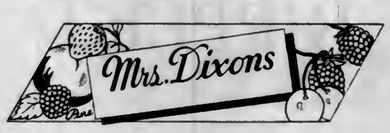
Applicant is the owner of prior registrations No. 29,791 dated Apr. 6, 1897 (renewed), No. 59,302 dated Jan. 8, 1907 (renewed), No. 73,103 dated Mar. 16, 1909 (renewed), No. 73,580 dated May 4, 1909 (renewed), No. 74,582 dated July 27, 1909 (renewed), No. 197,940 dated Apr. 28, 1925, No. 197,941 dated Apr. 28, 1925, and No. 204,508 dated Oct. 20, 1925. The words "Self-Rising" and "Flour" are disclaimed apart from the mark.
For Flour—Namely, Self-Rising Flour.
Claims use since Dec. 6, 1939.

Ser. No. 428,145. CHARLES BANKS BELT, Pine Neck, East Quogue, Long Island, N. Y. Filed Feb. 2, 1940.



The portrait is fanciful. Applicant disclaims any and all rights in connection with the particular words appearing on the trade-mark and with respect to the representation of the turkey thereon.
For Wild Dressed Turkeys.
Claims use since Jan. 1, 1938.

Ser. No. 428,308. MRS. DIXONS PRESERVING KITCHEN, New York, N. Y. Filed Feb. 7, 1940.



For Honey, Fruit Preserves, Fruit Jams, Fruit Jellies, Marmalades, and Table Syrups.
Claims use since 1919.

Ser. No. 429,351. GENERAL MILLS, INC., Minneapolis, Minn. Filed Mar. 8, 1940.

NUTR-A-SURED

Applicant is the owner of United States trade-mark registrations Nos. 373,508 and 309,413.
For Food Products, Particularly Flour—Viz., Wheat Flour, Breakfast Cereals Restored with Vitamins and Minerals, to the Levels of the Whole Grains from Which They Are Principally Made, and Flour—Viz., Wheat Flour Restored with Vitamins and Minerals to the Levels of the Whole Grain from Which it is Principally Made.
Claims use since Feb. 20, 1940.

Ser. No. 429,881. VERTIN-EDMONDS COMPANY, Salinas, Calif. Filed Mar. 22, 1940.



No claim is made to the representation of a label apart from the mark.
For Fresh Vegetables.
Claims use since Oct. 31, 1939.

Ser. No. 429,927. GERALD G. BALCH, doing business as Balch Flavor Co., Pittsburgh, Pa. Filed Mar. 25, 1940.

RIPPLET

For Flavoring Concentrate, in Powdered, Fruit, or Liquid Form, for Use in the Manufacture of Variegated Type of Ice Cream and for Use in the Manufacture of a Flavoring Adapted to be Applied on or to Ice Cream Sold in Bulk.
Claims use since Oct. 23, 1939.

Ser. No. 430,188. MYLES SALT COMPANY, LIMITED, New Orleans, La. Filed Mar. 30, 1940.

MYLES IMPRUVO

Applicant is owner of trade-mark registrations No. 155,902 and No. 215,434.
For Salt.
Claims use since Mar. 14, 1940.

Ser. No. 430,211. ARIZONA VEGETABLE DISTRIBUTORS, INC., Phoenix, Ariz. Filed Apr. 1, 1940.

ARIZONA GOLD

No claim is made to the word "Arizona" apart from the mark.
For Fresh Vegetables and Melons.
Claims use since December, 1933.

Ser. No. 430,879. RYSER BROS., Chicago, Ill. Filed Apr. 17, 1940.

Aromadelle

For Cheese.
Claims use since June 1, 1939.

Ser. No. 431,050. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Apr. 22, 1940.

Cottage

For Canned Fruits.
Claims use since 1902.

Ser. No. 431,091. L. H. STEWART CORPORATION, Rochester, N. Y. Filed Apr. 22, 1940.

BETENE

For Special Preparation to be Taken with Warm or Cold Milk for Use as a Dietary Supplement in the Treatment of Overweight and Various Dietary Deficiencies Caused by Restricted or Unbalanced Diet.
Claims use since Nov. 1, 1939.

Ser. No. 431,152. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed Apr. 24, 1940.

BREV

For Vegetable Shortening.
Claims use since Jan. 19, 1940.

Ser. No. 431,232. BORDEN FRUIT CO., Anaheim, Calif. Filed Apr. 26, 1940.

CARAMIA

For Fresh Citrus Fruits.
Claims use since Apr. 19, 1940.

Ser. No. 431,233. BORDEN FRUIT CO., Anaheim, Calif. Filed Apr. 26, 1940.

NANCY

For Fresh Citrus Fruit.
Claims use since Apr. 19, 1940.

Ser. No. 431,234. BORDEN FRUIT CO., Anaheim, Calif. Filed Apr. 26, 1940.

SIREN

For Fresh Citrus Fruit.
Claims use since Apr. 19, 1940.

Ser. No. 431,394. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Apr. 29, 1940.

LA DANZADORA

For Wheat Flour.
Claims use since Feb. 26, 1940.

Ser. No. 431,395. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Apr. 29, 1940.

SNO-TEX

Applicant is the owner of the following trade-mark registrations: Registration No. 298,293 registered October 18, 1932 for Sno Sheen; registration No. 345,477 registered April 27, 1937 for Sno-Tex.
For Wheat Flour.
Claims use since Apr. 1, 1940.

Ser. No. 431,463. PHILIP MORESCHI, doing business as Unico Macaroni Company, Hartford, Conn. Filed May 1, 1940.

Purette

For Macaroni, Spaghetti, and Egg Noodles.
Claims use since Apr. 1, 1940.

Ser. No. 431,465. OREGON PACKING CORPORATION, Astoria, Oreg. Filed May 1, 1940.

TIDE LAND

For Canned Vegetables.
Claims use since Apr. 10, 1940.

Ser. No. 431,469. PREMIER PRODUCE COMPANY, Salinas, Calif. Filed May 1, 1940.

MONEY MAKER

The applicant is the owner of registration No. 281,894, dated Apr. 7, 1931.
For Fresh Vegetables.
Claims use since February, 1936.

CLASS 47

Wines

Ser. No. 427,706. GARCIA WINE CORP., Long Island City, N. Y. Filed Jan. 22, 1940.

POPULAR

For Wines.
Claims use since June 1, 1939.

Ser. No. 430,740. LIQUOR DISTRIBUTORS OF AMERICA, INC., Newark, N. J. Filed Apr. 13, 1940.

Lidia

For Port, Sherry, Muscatel, Blackberry, Zinfandel, Barberone, Burgundy, Rhine, and Chianti Wines.
Claims use since September, 1934.

Ser. No. 431,235. CALIFORNIA GROWERS WINERIES, Cutler, Calif. Filed Apr. 26, 1940.

CALGRO

For Wines.
Claims use since July 1, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 431,138. BESTOV PRODUCTS, INC., Long Island City, N. Y. Filed Apr. 24, 1940.



The portrait is fanciful.
For Beer.
Claims use since Feb. 11, 1940.

Ser. No. 431,504. VAN BUREN PRODUCTS CO., INC., Buffalo, N. Y. Filed May 2, 1940.



For Bottled Beer and Ale.
Claims use since Mar. 15, 1940.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 429,171. WINIFRED K. CANTOR, San Marino, Calif. Filed Mar. 4, 1940.

VALET-PAK

No claim is made to the word "Pak" apart from the mark.
For Kits Containing a Comb, Nail Cleaner, Paper Towels, Face Powder, and Soap.
Claims use since Jan. 1, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 25, 1940

378,875. HOSIERY, SWEATERS, HOODS, FASCINATORS, SUSPENDERS, JUMPERS; DUCK COATS, PANTS, AND VESTS; JEAN PANTS, COTTONADE PANTS; ETC. NORTHERN JOBBING COMPANY, St. Paul, Minn.
Filed August 17, 1936. Serial No. 382,275. PUBLISHED DECEMBER 8, 1936. Class 39.

378,876. FILING BOXES. T. HARRIS SMITH, Philadelphia, Pa.
Filed February 3, 1937. Serial No. 388,519. PUBLISHED MARCH 8, 1938. Class 2.

378,877. BAKERY PRODUCTS—NAMELY, BISCUIT, ZWIEBACK, DOUGHNUTS, ROLLS, BUNS, CAKE, BREAD, COFFEE CAKE, DANISH PASTRY, COOKIES, WAFERS, SHORTBREAD, PRETZELS, FIG BARS, AND RUSKS. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed September 1, 1937. Serial No. 396,997. PUBLISHED APRIL 2, 1940. Class 46.

378,878. READY-MIXED PAINTS. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo.
Filed September 17, 1937. Serial No. 397,500. PUBLISHED NOVEMBER 21, 1939. Class 16.

378,879. FIRST AID SUPPLIES—NAMELY, BANDAGES, TAPES, AND MEDICINE CHESTS AND CONTAINERS FILLED WITH FIRST AID EQUIPMENT. NATIONAL HOSPITAL ASSOCIATION, Portland, Oreg.
Filed May 9, 1938. Serial No. 406,146. PUBLISHED APRIL 16, 1940. Class 44.

378,880. HOSIERY AND KNITTED AND TEXTILE UNDERWEAR FOR WOMEN AND CHILDREN—NAMELY, VESTS. BLOOMERS, KNICKERBOCKERS, SHORTS, SKINTIGHTS, TIGHT PANTIES, STEPINS, BANDEAUX, CORSET COVERS, PETTICOATS, SLIPS, PANTIES, TIGHT SUITS, UNIONSUITS, CHEMISES, AND BANDEAU CHEMISES; AND NIGHTGOWNS, PAJAMAS, HOUSECOATS, BED JACKETS; AND KNITTED AND TEXTILE UNDERWEAR FOR MEN—NAMELY, SHIRTS, DRAWERS, AND UNIONSUITS. VANITY FAIR SILK MILLS, Reading, Pa.
Filed July 19, 1938. Serial No. 408,672. PUBLISHED AUGUST 29, 1939. Class 39.

378,881. SOAP. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed November 8, 1938. Serial No. 412,529. PUBLISHED MAY 2, 1939. Class 4.

378,882. SATINS IN THE PIECE, MADE OF ACETATE AND RAYON YARN. TIOGA SILK COMPANY, INC., New York, N. Y.
Filed December 6, 1938. Serial No. 413,525. PUBLISHED APRIL 16, 1940. Class 42.

378,883. WOMEN'S AND MISSES' LINGERIE—NAMELY, SLIPS, PAJAMAS, AND NIGHTGOWNS. SUSSBERG & FEINBERG, INC., New York, N. Y.
Filed December 13, 1938. Serial No. 413,805. PUBLISHED APRIL 16, 1940. Class 39.

378,884. METEOROLOGICAL APPARATUS FOR MEASURING AND RECORDING METEOROLOGICAL CONDITIONS OF THE ATMOSPHERE, SUCH AS TEMPERATURE, PRESSURE, HUMIDITY, WIND VELOCITY, WIND DIRECTION, ETC. BENDIX AVIATION CORPORATION, Baltimore, Md.
Filed December 14, 1938. Serial No. 413,813. PUBLISHED MARCH 5, 1940. Class 26.

378,885. ELECTRICAL SIGNS. THE ARTKRAFT SIGN COMPANY, Lima, Ohio.
Filed February 4, 1939. Serial No. 415,578. PUBLISHED APRIL 16, 1940. Class 21.

378,886. BEACH ROBES, BEACH PAJAMAS, RAINCOATS, RAIN-CAPES, JACKETS, HOODS, AND PANTS, FOR DRESS AND/OR SPORT, AND EACH FOR MEN, WOMEN, AND CHILDREN. HYMAN H. MISHEL, Philadelphia, Pa.
Filed February 9, 1939. Serial No. 415,848. PUBLISHED APRIL 16, 1940. Class 39.

378,887. BEER. MONARCH BREWING COMPANY, Chicago, Ill.
Filed March 20, 1939. Serial No. 417,294. PUBLISHED OCTOBER 3, 1939. Class 48.

378,888. SERIES OF ARTICLES PERIODICALLY PUBLISHED. EDNA COLLADAY PIERCE, New York, N. Y.
Filed April 25, 1939. Serial No. 418,691. PUBLISHED APRIL 16, 1940. Class 38.

378,889. SWEET MILK COCOA IN POWDERED FORM FOR MAKING COLD AND HOT CHOCOLATE DRINKS. GANTIS FOOD PRODUCTS CORP., New York, N. Y.
Filed May 29, 1939. Serial No. 419,966. PUBLISHED AUGUST 29, 1939. Class 46.

378,890. SWEATERS, BATHING SUITS, AND SWIMMING TRUNKS. I. SHERRY COMPANY, INC., New York, N. Y.
Filed June 2, 1939. Serial No. 420,115. PUBLISHED SEPTEMBER 26, 1939. Class 39.

378,891. ILLUSTRATED AND EDUCATIONAL CHARTS AND BOOKLETS. INTERNATIONAL STICHTING TOT VERBREIDING DER BEELDPAEDAGOGIE, VOLGENS DE WEENSCHE METHODE, doing business as International Foundation for the Promotion of Visual Education by the Vienna Method, The Hague, Netherlands, and New York, N. Y.
Filed June 21, 1939. Serial No. 420,766. PUBLISHED APRIL 9, 1940. Class 38.

378,892. STAPLING MACHINES USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC. TOGETHER, ALSO FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC. ON TO WOOD, ETC. MARKWELL MFG. CO., INC., New York, N. Y.
Filed June 29, 1939. Serial No. 421,093. PUBLISHED SEPTEMBER 26, 1939. Class 23.

378,893. WEEKLY PUBLICATION CONTAINING DESCRIPTIONS OF AND COMMENTS ON THE ACTIVITIES AND POLICIES RELATING TO THE TOWNSEND NATIONAL RECOVERY PLAN. TOWNSEND NATIONAL WEEKLY, INC., Chicago, Ill.
Filed July 11, 1939. Serial No. 421,466. PUBLISHED APRIL 16, 1940. Class 38.

378,894. WOMEN'S AND GIRLS' CLOTHING—NAMELY, OUTER SKIRTS, CULOTTES, DRESSES, BLOUSES, AND SHOES OF FABRIC, LEATHER, OR COMBINATIONS THEREOF. WEST COAST MANCHESTER MILLS, INC., Los Angeles, Calif.
Filed July 24, 1939. Serial No. 421,914. PUBLISHED APRIL 9, 1940. Class 39.

378,895. CAMERAS. LAWRENCE ENGINEERING SERVICE, Peru, Ind.
Filed August 4, 1939. Serial No. 422,290. PUBLISHED APRIL 16, 1940. Class 26.

378,896. BURIAL VAULTS. THE MARION METAL PRODUCTS COMPANY, Marion, Ohio.
Filed August 7, 1939. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 422,367. PUBLISHED APRIL 16, 1940. Class 2.

378,897. HAND TOOLS—NAMELY, HAMMERS, HATCHETS, AXES, ADZES, BROADAXES. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio.
Filed August 28, 1939. Serial No. 423,047. PUBLISHED NOVEMBER 14, 1939. Class 23.

378,898. SAUSAGE. OSCAR MAYER & CO., Chicago, Ill.
Filed September 1, 1939. Serial No. 423,223. PUBLISHED APRIL 16, 1940. Class 46.

378,899. FLAVORING MATERIAL IN STICK FORM USED FOR MAKING BEVERAGES AND BEING A NON-ALCOHOLIC CONCENTRATE USED AS A BEVERAGE MIXER. UNITED CITRUS PRODUCTS, INC., Cambridge, Mass.
Filed September 13, 1939. Serial No. 423,581. PUBLISHED APRIL 16, 1940. Class 45.

378,900. DRUM FINISHED PAPER. THE CHAMPION PAPER AND FIBRE COMPANY, Hamilton, Ohio.
Filed September 16, 1939. Serial No. 423,656. PUBLISHED APRIL 16, 1940. Class 37.

378,901. CONNECTING DEVICES OR SLEEVES FOR WIRES AND CABLES USED IN COMMUNICATION, LIGHT AND POWER FIELDS. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio.
Filed September 16, 1939. Serial No. 423,674. PUBLISHED APRIL 16, 1940. Class 21.

378,902. HATS FOR WOMEN. ASSOCIATED RETAIL MILLINERY, INCORPORATED, Dallas, Tex.
Filed October 9, 1939. Serial No. 424,334. PUBLISHED APRIL 16, 1940. Class 39.

378,903. WOMEN'S, MISSES', AND CHILDREN'S COATS, SUITS, DRESSES, BLOUSES, GLOVES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, HOSIERY, ETC. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed October 18, 1939. Serial No. 424,637. PUBLISHED APRIL 9, 1940. Class 39.

378,904. APPLIANCE USED FOR CLEANSING THE TONGUE. ALEXANDER J. FORTUNATI, doing business as Dr. A. J. Fortunati Dental Products Co., Boston, Mass.
Filed October 19, 1939. Serial No. 424,685. PUBLISHED APRIL 16, 1940. Class 44.

378,905. COMPRESSION TOOLS FOR COMPRESSING WIRE CONNECTING SLEEVES. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio.
Filed October 19, 1939. Serial No. 424,693. PUBLISHED APRIL 16, 1940. Class 23.

378,906. JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES. E. W. REYNOLDS COMPANY, Los Angeles, Calif.
Filed October 25, 1939. Serial No. 424,880. PUBLISHED APRIL 16, 1940. Class 28.

378,907. WOMEN'S AND GIRLS' HOSIERY, UNDERWEAR, NIGHTGOWNS, DRESSES, SUITS, COATS, LEATHER AND FABRIC GLOVES, ETC. CLEAR WEAVE HOSIERY STORES, INC., Boston, Mass.
Filed October 27, 1939. Serial No. 424,955. PUBLISHED APRIL 16, 1940. Class 39.

378,908. TEXTILE INTERLINING MATERIAL IN THE PIECE USED FOR NECKWEAR AND/OR CLOTHING AND MADE OF WOOL, WORSTED, COTTON, AND MOHAIR, AND/OR COMBINATIONS THEREOF. FOUNDATION WORSTED MILLS, Portland, Oreg.
Filed October 28, 1939. Serial No. 425,000. PUBLISHED APRIL 16, 1940. Class 42.

378,909. WORK GLOVES OF CANVAS, JERSEY, AND LEATHER; LEATHER PALM AND SEMI-DRESS GLOVES OF LEATHER AND LEATHER COMBINATIONS; MEN'S AND WOMEN'S SWEATERS, UNDERWEAR, SMOCKS, HOSPITAL UNIFORMS, AND WORK UNIFORMS. I. SIMON & SONS, INC., Paterson, N. J.
Filed November 2, 1939. Serial No. 425,165. PUBLISHED APRIL 16, 1940. Class 39.

378,910. ELECTRIC BEVERAGE MIXERS AND FOOD MIXERS (KITCHEN MECHANICS). BERSTED MANUFACTURING COMPANY, Fostoria, Ohio.
Filed November 4, 1939. Serial No. 425,225. PUBLISHED APRIL 16, 1940. Class 21.

378,911. SPAR VARNISH. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., and Mobile, Ala.
Filed November 7, 1939. Serial No. 425,351. PUBLISHED APRIL 16, 1940. Class 16.

378,912. WELD TIMER. THE ELECTRIC CONTROLLER & MANUFACTURING CO., Cleveland, Ohio.
Filed November 10, 1939. Serial No. 425,515. PUBLISHED APRIL 16, 1940. Class 26.

378,913. CARTOONS PUBLISHED IN A SERIES. DETECTIVE COMICS, INC., New York, N. Y.
Filed November 15, 1939, Serial No. 425,642. PUBLISHED APRIL 9, 1940. Class 38.

378,914. NEWS COLUMN. AUBREY HUTCHINS WHITELAW, New York, N. Y.
Filed November 16, 1939, Serial No. 425,720. PUBLISHED APRIL 9, 1940. Class 38.

378,915. POLISH AND REFINISHER FOR FURNITURE, HARDWOOD FLOORS, AND WOODWORK. SOIL-OFF MANUFACTURING CO., Glendale, Calif.
Filed November 21, 1939, Serial No. 425,863. PUBLISHED APRIL 9, 1940. Class 16.

378,916. FRESH CITRUS FRUITS. M. C. BRITT PRODUCE CO., Winter Garden, Fla.
Filed November 27, 1939. Serial No. 425,979. PUBLISHED APRIL 16, 1940. Class 46.

378,917. PACKAGED CORNSTARCH. BOYD TEA COMPANY, Portland, Oreg.
Filed December 2, 1939. Serial No. 426,150. PUBLISHED APRIL 16, 1940. Class 46.

378,918. FOOD PRODUCTS—NAMELY, CANNED TOMATO PASTE. FLOTILL PRODUCTS, INCORPORATED, Stockton, Calif.
Filed December 2, 1939. Serial No. 426,160. PUBLISHED APRIL 16, 1940. Class 46.

378,919. FRESH VEGETABLES. SAN DIEGO FRUIT & PRODUCE COMPANY, San Diego, Calif.
Filed December 6, 1939. Serial No. 426,306. PUBLISHED APRIL 16, 1940. Class 46.

378,920. PRECIOUS METAL FINGER RINGS. HYMAN FRACKMAN, doing business as Alsan Carved Wedding Ring Co., New York, N. Y.
Filed December 16, 1939. Serial No. 426,647. PUBLISHED APRIL 9, 1940. Class 28.

378,921. QUILTS. NATIONAL SURE-FIT QUILTING CO., INC., New York, N. Y.
Filed December 16, 1939. Serial No. 426,663. PUBLISHED APRIL 16, 1940. Class 42.

378,922. QUILTS. NATIONAL SURE-FIT QUILTING CO., INC., New York, N. Y.
Filed December 16, 1939. Serial No. 426,666. PUBLISHED APRIL 16, 1940. Class 42.

378,923. QUILTS. NATIONAL SURE-FIT QUILTING CO., INC., New York, N. Y.
Filed December 16, 1939. Serial No. 426,667. PUBLISHED APRIL 16, 1940. Class 42.

378,924. QUILTS. NATIONAL SURE-FIT QUILTING CO., INC., New York, N. Y.
Filed December 16, 1939. Serial No. 426,668. PUBLISHED APRIL 16, 1940. Class 42.

378,925. INFANTS' FOODS AND A SPECIALLY PREPARED MALTED CEREAL FOOD. NESTLÉ'S MILK PRODUCTS, INC., New York, N. Y.
Filed December 20, 1939. Serial No. 426,780. PUBLISHED APRIL 16, 1940. Class 46.

378,926. LADIES' COATS, SUITS, OUTER SKIRTS, JACKETS, BLOUSES, DRESSES, HATS, AND BATHING SUITS. NEW JAUNTY SPORTSWEAR, INC., New York, N. Y.
Filed December 23, 1939. Serial No. 426,864. PUBLISHED APRIL 2, 1940. Class 39.

378,927. FRESH DECIDUOUS FRUITS AND VEGETABLES. DENNEY R. HOGUE, Nampa, Idaho.
Filed December 26, 1939. Serial No. 426,886. PUBLISHED APRIL 16, 1940. Class 46.

378,928. PREPARED FOOD PRODUCTS — NAMELY, TAMALES, CANNED RAVIOLIS, AND CANNED MUSHROOM SAUCE. RIVIERA PACKING COMPANY, Oakland, Calif.
Filed December 26, 1939. Serial No. 426,899. PUBLISHED APRIL 9, 1940. Class 46.

378,929. NEWSPAPERS. LA VOIX DE FRANCE PUBLISHING CO., New York, N. Y., assignor to Marie E. Manthey, Garden City, N. Y., doing business as La Voix De France Publishing Co.
Filed December 28, 1939. Serial No. 426,952. PUBLISHED APRIL 16, 1940. Class 38.

378,930. NECKTIES, MUFFLERS, MEN'S OUTER SHIRTS, MEN'S PANTS, AND ENSEMBLES FOR MEN CONSISTING OF SHIRTS AND PANTS MADE OF KNITTED, NETTED, AND WOVEN MATERIAL. M. GOLDENBERG & SONS, INC., Philadelphia, Pa.
Filed December 30, 1939. Serial No. 427,022. PUBLISHED APRIL 9, 1940. Class 39.

378,931. VISORS FOR SPORTS WEAR AND OTHER SIMILAR USES. OLAV BLODJER, Stockton, Calif.
Filed January 6, 1940. Serial No. 427,189. PUBLISHED APRIL 16, 1940. Class 39.

378,932. WINE. O-NEH-DA VINEYARD AND DISTILLERY, INC., Conesus, N. Y.
Filed January 8, 1940. Serial No. 427,256. PUBLISHED APRIL 16, 1940. Class 47.

378,933. WHEAT FLOUR. DISTRIBUTORS TRUCKING CORPORATION, New York, N. Y.
Filed January 12, 1940. Serial No. 427,357. PUBLISHED APRIL 16, 1940. Class 46.

378,934. MAGAZINE SECTION. THEODORE R. NATHAN, New York, N. Y.
Filed January 13, 1940. Serial No. 427,437. PUBLISHED APRIL 9, 1940. Class 38.

378,935. DENTAL PLATES AND DENTAL INSTRUMENTS—NAMELY, VERTICAL DIMENSION LOCATER, PARALLELAMETER, AND OCCLUSAL PLANE LOCATER. JAMES G. VARLEY, New York, N. Y.
Filed January 13, 1940. Serial No. 427,448. PUBLISHED APRIL 16, 1940. Class 44.

378,936. CORSETS, GIRDLES, BRASSIÈRES, AND FOUNDATION GARMENTS OF ALL KINDS. DOMINION CORSET COMPANY, LIMITED, Quebec, Quebec, Canada.
Filed January 15, 1940. Serial No. 427,461. PUBLISHED APRIL 9, 1940. Class 39.

378,937. FURS, SKINS, AND MATCHINGS. HARRY KAUFMAN, New York, N. Y.
Filed January 17, 1940. Serial No. 427,542. PUBLISHED APRIL 16, 1940. Class 1.

378,938. SOUND PICTURE APPARATUS—NAMELY, APPARATUS FOR SYNCHRONOUS REPRODUCTION OF SOUND AND LIGHT EFFECTS, PARTS THEREOF, AND ACCESSORIES THEREFOR. ELECTRICAL RESEARCH PRODUCTS INC., New York, N. Y.
Filed January 19, 1940. Serial No. 427,625. PUBLISHED APRIL 16, 1940. Class 26.

378,939. SYNTHETIC STRAW BRAIDS USED IN THE MANUFACTURE OF HAT BODIES. GEORGES MEYER & CO. LTD., Wohlen, Switzerland.
Filed January 19, 1940. Serial No. 427,637. PUBLISHED APRIL 16, 1940. Class 40.

378,940. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed January 20, 1940. Serial No. 427,687. PUBLISHED APRIL 9, 1940. Class 38.

378,941. BUTANE GAS STORAGE AND DISPENSING UNITS, INCLUDING TANKS, VALVES, AND FITTINGS ASSEMBLED IN CONNECTION THEREWITH. CHARLES J. BENDER, Dallas, Tex.
Filed January 22, 1940. Serial No. 427,696. PUBLISHED APRIL 16, 1940. Class 34.

378,942. DRESS FOUNDATION GARMENTS—NAMELY, CORSETS, BRASSIÈRES, COMBINATION CORSETS AND BRASSIÈRES, CORSET WAISTS, GIRDLES, BANDEAUX, AND BELTS. DE CODY-IDALIA CORPORATION, Lowell, Mass.
Filed January 22, 1940. Serial No. 427,702. PUBLISHED APRIL 9, 1940. Class 39.

378,943. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. SOL E. WEINREICH, doing business as Weinreich Brothers Company, New York, N. Y.
Filed January 22, 1940. Serial No. 427,732. PUBLISHED APRIL 16, 1940. Class 28.

378,944. SERIES OF BOOKS. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill.
Filed January 22, 1940. Serial No. 427,739. PUBLISHED APRIL 16, 1940. Class 38.

378,945. WEEKLY PUBLICATION. FRANKLIN J. GRIESMAN, doing business as The Winning Horse, Chicago, Ill.
Filed January 23, 1940. Serial No. 427,756. PUBLISHED APRIL 9, 1940. Class 38.

378,946. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, AND FABRIC, OR COMBINATIONS THEREOF, MEN'S, WOMEN'S, AND CHILDREN'S HATS, ETC. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed January 23, 1940. Serial No. 427,771. PUBLISHED APRIL 2, 1940. Class 39.

378,947. SHOES AND SLIPPERS, MADE PRINCIPALLY OF LEATHER, OF LEATHER, OF FABRIC, AND OF A COMBINATION OF LEATHER AND FABRIC. PLI-MODE SHOE COMPANY, Everett, Mass.
Filed January 23, 1940. Serial No. 427,772. PUBLISHED APRIL 9, 1940. Class 39.

378,948. WRITING AND MEMORANDUM PADS. BERMAT PRODUCTS CORP., New York, N. Y.
Filed January 24, 1940. Serial No. 427,788. PUBLISHED APRIL 16, 1940. Class 37.

378,949. STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE. NATIONAL SILVER COMPANY, New York, N. Y.
Filed January 25, 1940. Serial No. 427,850. PUBLISHED APRIL 9, 1940. Class 28.

378,950. PUBLICATION APPEARING BIANNUALLY. UNITED FEATURE SYNDICATE, INC., New York, N. Y.
Filed January 25, 1940. Serial No. 427,857. PUBLISHED APRIL 9, 1940. Class 38.

378,951. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS AND FILMS AND SENSITIZED PHOTOGRAPHIC PAPER. GENERAL ANILINE & FILM CORPORATION, Binghamton, N. Y.
Filed January 26, 1940. Serial No. 427,888. PUBLISHED MARCH 26, 1940. Class 26.

378,952. ELECTRIC STOVES. GIBSON ELECTRIC REFRIGERATOR CORPORATION, Greenville, Mich.
Filed January 26, 1940. Serial No. 427,890. PUBLISHED APRIL 16, 1940. Class 21.

378,953. PROCESSED RICE. KATHERINE POWERS, doing business as Powers & Co., Riverdale, Ill.
Filed January 26, 1940. Serial No. 427,906. PUBLISHED APRIL 16, 1940. Class 46.

378,954. FLATWARE AND HOLLOWWARE COMPOSED WHOLLY OR IN PART OF PRECIOUS METAL. THE WATSON COMPANY, Attleboro, Mass.
Filed January 26, 1940. Serial No. 427,913. PUBLISHED APRIL 16, 1940. Class 28.

378,955. MONTHLY PUBLICATION. CRIME DETECTIVE, INC., New York, N. Y.
Filed January 29, 1940. Serial No. 427,966. PUBLISHED APRIL 9, 1940. Class 38.

378,956. MONTHLY PUBLICATION. HILLMAN-CURL, INC., New York, N. Y.
Filed January 29, 1940. Serial No. 427,978. PUBLISHED APRIL 9, 1940. Class 38.

378,957. MONTHLY PUBLICATION. HILLMAN-CURL, INC., New York, N. Y.
Filed January 29, 1940. Serial No. 427,979. PUBLISHED APRIL 9, 1940. Class 38.

378,958. WATCHES AND CLOCKS. LONGINES-WITTNAUER WATCH CO. INC., New York, N. Y.
Filed January 29, 1940. Serial No. 427,987. PUBLISHED APRIL 16, 1940. Class 27.

378,959. FRESH AVOCADOES. L. B. VERMILLION, doing business as Jubilee Avocado Co., Vista, Calif.
Filed January 29, 1940. Serial No. 428,007. PUBLISHED APRIL 16, 1940. Class 46.

378,960. WHEAT FLOUR. STANDARD MILLING COMPANY, New York, N. Y.
Filed January 30, 1940. Serial No. 428,058. PUBLISHED APRIL 16, 1940. Class 46.

378,961. PROPELLENT POWDER FOR SHOTGUNS, RIFLED ARMS, ETC. HERCULES POWDER COMPANY, Wilmington, Del.
Filed January 31, 1940. Serial No. 428,077. PUBLISHED APRIL 2, 1940. Class 9.

378,962. COMBINATION PAPERWEIGHT AND PEN HOLDER. ZEPHYR AMERICAN CORP., New York, N. Y.
Filed January 31, 1940. Serial No. 428,093. PUBLISHED APRIL 16, 1940. Class 37.

378,963. GRAVEL, SAND, AND LOAM. JOHN W. BABINE, Wilmington, Mass.
Filed February 1, 1940. Serial No. 428,101. PUBLISHED APRIL 16, 1940. Class 1.

378,964. PUBLICATION RELATING TO THE FEDERAL TAX LAWS AND THE ADMINISTRATION THEREOF, ISSUED FROM TIME TO TIME. COMMERCE CLEARING HOUSE, INC., Chicago, Ill.
Filed February 1, 1940. Serial No. 428,108. PUBLISHED APRIL 16, 1940. Class 38.

378,965. GARMENT OR OTHER MATERIAL PRESSING STEAM ELECTRIC HAND IRONS. JACK GALTER, Chicago, Ill.
Filed February 1, 1940. Serial No. 428,114. PUBLISHED APRIL 16, 1940. Class 21.

378,966. SERIES OF CARTOONS APPEARING FROM TIME TO TIME. ANDREW R. PEARSON AND ROBERT S. ALLEN, Washington, D. C.
Filed February 1, 1940. Serial No. 428,129. PUBLISHED APRIL 9, 1940. Class 38.

378,967. CIGARETTES. FRED F. RICHETELLI, doing business as Terese Tobacco Co., New Haven, Conn.
Filed February 1, 1940. Serial No. 428,131. PUBLISHED APRIL 16, 1940. Class 17.

378,968. ABRASIVE DISCS. ARMOUR AND COMPANY OF DELAWARE, doing business as Armour Sandpaper Works, Chicago, Ill.
Filed February 2, 1940. Serial No. 428,143. PUBLISHED APRIL 16, 1940. Class 4.

378,969. MAGAZINE. BEAU, INC., Washington, D. C.
Filed February 2, 1940. Serial No. 428,144. PUBLISHED APRIL 9, 1940. Class 38.

378,970. SPROCKET GEARS. BOSTON GEAR WORKS, INC., North Quincy, Mass.
Filed February 2, 1940. Serial No. 428,146. PUBLISHED APRIL 16, 1940. Class 23.

378,971. PERIODICAL PUBLICATION. COMIC MAGAZINES, INC., Stamford, Conn.
Filed February 2, 1940. Serial No. 428,150. PUBLISHED APRIL 9, 1940. Class 38.

378,972. PERIODICAL PUBLICATION. COMIC MAGAZINES, INC., Stamford, Conn.
Filed February 2, 1940. Serial No. 428,151. PUBLISHED APRIL 9, 1940. Class 38.

378,973. HOUSEHOLD CURTAINS AND DRAPERIES. MAX H. KAHN CURTAIN CORPORATION, New York, N. Y.
Filed February 2, 1940. Serial No. 428,160. PUBLISHED APRIL 16, 1940. Class 42.

378,974. SHEET STEEL. THE OTIS STEEL COMPANY, Cleveland, Ohio.
Filed February 2, 1940. Serial No. 428,169. PUBLISHED APRIL 16, 1940. Class 14.

378,975. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR MEN, WOMEN, AND CHILDREN. CURTIS SHOE COMPANY, INC., Marlboro, Mass.
Filed February 3, 1940. Serial No. 428,185. PUBLISHED APRIL 9, 1940. Class 39.

378,976. PEAT MOSS. ATKINS & DURBROW, INC., New York, N. Y.
Filed February 5, 1940. Serial No. 428,219. PUBLISHED APRIL 16, 1940. Class 1.

378,977. [WITHDRAWN.]

378,978. FRESH SHUCKED OYSTERS. F. F. EAST CO. INC., Maurice River, N. J.
Filed February 8, 1940. Serial No. 428,353. PUBLISHED APRIL 16, 1940. Class 46.

378,979. PAINT AND VARNISH CLEANER. LOUIS T. LARSON, Stanton, Iowa.
Filed February 8, 1940. Serial No. 428,360. PUBLISHED APRIL 16, 1940. Class 4.

378,980. SMOKING PIPES AND CIGARETTE HOLDERS. JACK GALTER, Chicago, Ill.
Filed February 5, 1940. Serial No. 428,230. PUBLISHED APRIL 16, 1940. Class 8.

378,981. PREPARATION FOR CLEANING AND POLISHING AUTOMOBILE BODIES. ALFRED ZINKER, New York, N. Y.
Filed February 5, 1940. Serial No. 428,274. PUBLISHED APRIL 16, 1940. Class 16.

378,982. LEATHER OR FABRIC, OR A COMBINATION OF LEATHER AND FABRIC BOOTS AND SHOES. THE STETSON SHOE COMPANY, INCORPORATED, Weymouth, Mass.
Filed February 6, 1940. Serial No. 428,295. PUBLISHED APRIL 9, 1940. Class 39.

378,983. COATING MATERIAL IN THE NATURE OF PAINT TO PROTECT RUBBER GOODS FROM SUNLIGHT DETERIORATION. THE R. T. VANDERBILT COMPANY, INCORPORATED, New York, N. Y.
Filed February 6, 1940. Serial No. 428,297. PUBLISHED APRIL 16, 1940. Class 16.

378,984. WOOD PULP. BROWN COMPANY, Portland, Maine, and Berlin, N. H.
Filed February 7, 1940. Serial No. 428,300. PUBLISHED APRIL 16, 1940. Class 1.

378,985. CLEAR VARNISH AND VARNISH COMBINED WITH PIGMENT TO FORM ENAMEL. CARPENTER-MORTON COMPANY, Boston, Mass.
Filed February 7, 1940. Serial No. 428,303. PUBLISHED APRIL 16, 1940. Class 16.

378,986. COAL. CENTRAL FUEL CORPORATION, Chicago, Ill.
Filed February 7, 1940. Serial No. 428,304. PUBLISHED APRIL 16, 1940. Class 1.

378,987. PROCESSED CLAY AND MORE PARTICULARLY FLORIDA FULLER'S EARTH USED IN DRILLING OIL WELLS. FLORIDIN COMPANY, Warren, Pa.
Filed February 7, 1940. Serial No. 428,310. PUBLISHED APRIL 16, 1940. Class 1.

378,988. WOMEN'S GLOVES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. FREDERICK LOESER & CO., INC., Brooklyn, N. Y.
Filed February 7, 1940. Serial No. 428,316. PUBLISHED APRIL 2, 1940. Class 39.

378,989. YARNS COMPOSED OF COTTON AND WOOL MIXED, RAYON AND WOOL, WOOL YARN AND WOOL WORSTED YARN. BADGER WORSTED MILLS, Grafton, Wis.
Filed February 9, 1940. Serial No. 428,377. PUBLISHED APRIL 9, 1940. Class 43.

378,990. NECKTIES. FRANC, STROHMENGER & COWAN, INC., Troy, N. Y.
Filed February 9, 1940. Serial No. 428,385. PUBLISHED APRIL 2, 1940. Class 39.

378,991. SHOES OF LEATHER, FABRIC, RUBBER, OR COMBINATION. GALE SHOE MFG. CO., Boston, Mass.
Filed February 9, 1940. Serial No. 428,388. PUBLISHED APRIL 16, 1940. Class 39.

378,992. PYROXYLIN OR OTHERWISE COATED FABRICS—NAMELY, LEATHER CLOTH. ATLAS POWDER COMPANY, Wilmington, Del.
Filed February 10, 1940. Serial No. 428,417. PUBLISHED APRIL 16, 1940. Class 50.

378,993. FRESH CITRUS FRUITS. CHAMPION ORANGE COMPANY, Redlands, Calif.
Filed February 10, 1940. Serial No. 428,429. PUBLISHED APRIL 16, 1940. Class 46.

378,994. WRITING AND COPY PAPER. SOUTHWORTH COMPANY, West Springfield, Mass.
Filed February 10, 1940. Serial No. 428,445. PUBLISHED APRIL 16, 1940. Class 37.

378,995. CLOSURES FOR CONTAINERS. THE ARIDOR COMPANY, Chicago, Ill.
Filed February 12, 1940. Serial No. 428,457. PUBLISHED APRIL 16, 1940. Class 50.

378,996. DARNING COTTON AND MENDING THREAD MADE OF COTTON. COLLINGBOURNE MILLS, INC., Elgin, Ill.
Filed February 12, 1940. Serial No. 428,463. PUBLISHED APRIL 16, 1940. Class 43.

378,997. COTTON YARN FOR USE IN RUG MAKING AND THE LIKE. COLLINGBOURNE MILLS, INC., Elgin, Ill.
Filed February 12, 1940. Serial No. 428,464. PUBLISHED APRIL 16, 1940. Class 43.

378,998. STEEL CASTINGS. DETROIT STEEL CASTING CO., Detroit, Mich.
Filed February 12, 1940. Serial No. 428,473. PUBLISHED APRIL 16, 1940. Class 14.

378,999. SALAD OIL. GIGLI PACKING CORP., Philadelphia, Pa.
Filed February 12, 1940. Serial No. 428,476. PUBLISHED APRIL 16, 1940. Class 46.

379,000. HAIR CURLERS. INLAID OPTICAL CORPORATION, Providence, R. I.
Filed February 12, 1940. Serial No. 428,485. PUBLISHED APRIL 16, 1940. Class 40.

379,001. MEN'S MUFFLERS. WILSON BROTHERS, Chicago, Ill.
Filed February 12, 1940. Serial No. 428,511. PUBLISHED APRIL 9, 1940. Class 39.

379,002. MEN'S HATS. MEN'S HATS, INC., Baltimore, Md.
Filed February 13, 1940. Serial No. 428,515. PUBLISHED APRIL 9, 1940. Class 39.

379,003. BATH SPONGES. LELAND J. ARMS, San Francisco, Calif.
Filed February 13, 1940. Serial No. 428,516. PUBLISHED APRIL 16, 1940. Class 1.

379,004. RUBBER HOUSEHOLD GLOVES. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed February 14, 1940. Serial No. 428,531. PUBLISHED APRIL 2, 1940. Class 39.

379,005. NAILS. THE DENISTON COMPANY, Chicago, Ill.
Filed February 14, 1940. Serial No. 428,543. PUBLISHED APRIL 16, 1940. Class 13.

379,006. BOOTS AND SHOES MADE OF LEATHER. THE GARDINER SHOE COMPANY, Gardiner, Maine.
Filed February 14, 1940. Serial No. 428,545. PUBLISHED APRIL 2, 1940. Class 39.

379,007. WINES. BISCEGLIA BROTHERS CORP., Philadelphia, Pa.
Filed February 15, 1940. Serial No. 428,565. PUBLISHED APRIL 16, 1940. Class 47.

379,008. WOMEN'S SLIPPERS, PLAY SHOES, AND SANDALS OF LEATHER AND FABRIC, AND COMBINATIONS THEREOF. MIDDLETOWN FOOTWEAR INC., Middletown, N. Y.
Filed February 15, 1940. Serial No. 428,582. PUBLISHED APRIL 2, 1940. Class 39.

379,009. MUFFS, CAPS, HATS, NECKWEAR, GLOVES, ROBES FOR PERSONAL WEAR, COATS, CLOAKS, AND CAPES, ALL MADE OF FUR. E. ALBRECHT & SON CO., St. Paul, Minn.
Filed February 16, 1940. Serial No. 428,601. PUBLISHED APRIL 9, 1940. Class 39.

379,010. OYSTER JUICE. F. F. EAST CO. INC., Maurice River, N. J.
Filed February 16, 1940. Serial No. 428,612. PUBLISHED APRIL 16, 1940. Class 46.

379,011. PEANUTS. TASTY-KRISP PRODUCTS, INC., Detroit, Mich.
Filed February 19, 1940. Serial No. 428,709. PUBLISHED APRIL 16, 1940. Class 46.

379,012. WORK GLOVES OF COMBINED LEATHER AND FABRIC. WELLS-LAMONT-SMITH CORPORATION, Chicago, Ill.
Filed February 19, 1940. Serial No. 428,714. PUBLISHED APRIL 9, 1940. Class 39.

379,013. HAIR PINS AND HAIR CURLERS. WOODFORD PRODUCTS COMPANY, Chicago, Ill.
Filed February 19, 1940. Serial No. 428,716. PUBLISHED APRIL 16, 1940. Class 40.

379,014. DISHWASHING MACHINES. L. S. D., INC., Dayton, Ohio.
Filed February 21, 1940. Serial No. 428,758. PUBLISHED APRIL 16, 1940. Class 23.

379,015. SHOE LACINGS. SHOE LACE COMPANY, Lawrence, Mass.
Filed February 21, 1940. Serial No. 428,771. PUBLISHED APRIL 16, 1940. Class 40.

379,016. SHOE LACINGS. SHOE LACE COMPANY, Lawrence, Mass.
Filed February 21, 1940. Serial No. 428,772. PUBLISHED APRIL 16, 1940. Class 40.

379,017. COTTON PIECE GOODS. ALBERT H. VANDAM CO., INC., New York, N. Y.
Filed February 21, 1940. Serial No. 428,775. PUBLISHED APRIL 16, 1940. Class 42.

379,018. WOMEN'S STRAW AND FELT SPORT HATS WILLIAM BEATUS, INC., New York, N. Y.
Filed February 23, 1940. Serial No. 428,793. PUBLISHED APRIL 16, 1940. Class 39.

379,019. FLASHLIGHTS. BLAKE MANUFACTURING CORPORATION, Clinton, Mass.
Filed February 23, 1940. Serial No. 428,796. PUBLISHED APRIL 16, 1940. Class 21.

379,020. PHONOGRAPH RECORDS AND RECORD BLANKS. COLUMBIA PHONOGRAPH COMPANY, INC., New York, N. Y.
Filed February 23, 1940. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 428,799. PUBLISHED APRIL 16, 1940. Class 36.

379,021. PHONOGRAPH RECORDS AND RECORD BLANKS. COLUMBIA PHONOGRAPH COMPANY, INC., New York, N. Y.
Filed February 23, 1940. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 428,800. PUBLISHED APRIL 16, 1940. Class 36.

379,022. STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE. NATIONAL SILVER COMPANY, New York, N. Y.
Filed February 23, 1940. Serial No. 428,817. PUBLISHED APRIL 9, 1940. Class 28.

379,023. PAINT REMOVER. JAKON L. SCHIFF, doing business as The Chemical Products Co., Baltimore, Md.
Filed February 23, 1940. Serial No. 428,832. PUBLISHED APRIL 16, 1940. Class 16.

379,024. TELEPHOTO LENSES, PHOTOGRAPHIC LENSES, AND CAMERAS. UNIVERSAL CAMERA CORPORATION, New York, N. Y.
Filed February 23, 1940. Serial No. 428,843. PUBLISHED APRIL 16, 1940. Class 26.

379,025. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed February 23, 1940. Serial No. 428,848. PUBLISHED APRIL 16, 1940. Class 21.

379,026. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed February 23, 1940. Serial No. 428,849. PUBLISHED APRIL 16, 1940. Class 21.

379,027. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed February 23, 1940. Serial No. 428,850. PUBLISHED APRIL 16, 1940. Class 21.

379,028. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed February 23, 1940. Serial No. 428,851. PUBLISHED APRIL 16, 1940. Class 21.

379,029. WORK GLOVES OF RUBBER-DIPPED FABRIC. WELLS-LAMONT-SMITH CORPORATION, Chicago, Ill.
Filed February 26, 1940. Serial No. 428,943. PUBLISHED APRIL 9, 1940. Class 39.

379,030. READY MIXED PAINT, PAINT ENAMEL, AND ALUMINUM PAINT. SAPOLIN CO. INC., New York, N. Y.
Filed February 27, 1940. Serial No. 428,973. PUBLISHED APRIL 16, 1940. Class 16.

379,031. MEN'S AND WOMEN'S GLOVES OF LEATHER AND LEATHER-FABRIC COMBINATIONS. THE SUPERB GLOVE CO., Johnstown, N. Y.
Filed February 28, 1940. Serial No. 429,013. PUBLISHED APRIL 9, 1940. Class 39.

379,032. GIRDLES, PANTIES, CORSETS, AND FOUNDATION GARMENTS. WOLFE & LANG, INC., New York, N. Y.
Filed February 28, 1940. Serial No. 429,020. PUBLISHED APRIL 9, 1940. Class 39.

379,033. RUBBER OVERSHOES. W. T. GRANT COMPANY, New York, N. Y.
Filed February 29, 1940. Serial No. 429,046. PUBLISHED APRIL 16, 1940. Class 39.

379,034. BRASSIÈRES, BANDEAUX, CORSETS, CORSELETS, PANTIES, PANTIE-GIRDLES, GIRDLES, AND GARTER-BELTS. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y.
Filed February 29, 1940. Serial No. 429,060. PUBLISHED APRIL 9, 1940. Class 39.

379,035. BEER. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn.
Filed February 29, 1940. Serial No. 429,063. PUBLISHED APRIL 16, 1940. Class 48.

379,036. BEER. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn.
Filed February 29, 1940. Serial No. 429,064. PUBLISHED APRIL 16, 1940. Class 48.

379,037. BEER. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn.
Filed February 29, 1940. Serial No. 429,065. PUBLISHED APRIL 16, 1940. Class 48.

379,038. INSECTICIDE. HARRY D. NICHOLAOU, Baltimore, Md.
Filed March 1, 1940. Serial No. 429,099. PUBLISHED APRIL 9, 1940. Class 6.

379,039. ART NEEDLEWORK FOUNDATION MATERIAL CONSISTING OF SUITABLY CUT PIECES OF TEXTILE FABRICS PROVIDED WITH DESIGNS THEREON, ETC. BERNARD ULMANN CO. INC., New York, N. Y.
Filed March 2, 1940. Serial No. 429,147. PUBLISHED APRIL 16, 1940. Class 40.

379,040. ILLUMINATING TONGUE DEPRESSORS. THE HICHELL CO., Boston, Mass.
Filed March 4, 1940. Serial No. 429,176. PUBLISHED APRIL 16, 1940. Class 44.

379,041. DENTAL SUPPLIES—NAMELY, ARTIFICIAL TEETH. UNIVERSAL DENTAL COMPANY, Philadelphia, Pa.
Filed March 5, 1940. Serial No. 429,236. PUBLISHED APRIL 16, 1940. Class 44.

379,042. BLOOD TRANSFUSION SETS INCLUDING SEALED CONTAINERS HAVING A PARTIAL VACUUM AND CONTAINING A SOLUTION OF SODIUM CITRATE 2½ PERCENT IN PHYSIOLOGICAL SOLUTION OF SODIUM CHLORIDE, NEEDLES, VALVE CONNECTIONS, AND TUBING. HOSPITAL LIQUIDS, INC., Chicago, Ill.
Filed March 6, 1940. Serial No. 429,265. PUBLISHED APRIL 16, 1940. Class 44.

379,043. MECHANICAL PENCILS AND LEADS THEREFOR. NORMA MULTIKOLOR, INC., New York, N. Y.
Filed March 9, 1940. Serial No. 429,387. PUBLISHED APRIL 16, 1940. Class 37

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

379,044. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ARNOLD, SCHWINN & COMPANY, Chicago, Ill. Filed Aug. 6, 1937. Serial No. 396,062.



For Bicycles.
Claims use since July 15, 1937.

379,045. (CLASS 39. CLOTHING.) THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Oct. 15, 1937. Serial No. 398,542.

BRITISH BROGUE

For Men's Shoes Made of Leather.
Claims use since Aug. 24, 1937.

379,046. (CLASS 39. CLOTHING.) CAMMEYER FIFTH AVE., INC., New York, N. Y. Filed Mar. 9, 1938. Serial No. 403,854.

Cammeyer
Fifth Avenue

For Men's, Women's, and Children's Boots, Shoes, and Slippers Made of Leather, Rubber, Fabric, Cork, and Wood Materials, and/or Combination of Such Materials.
Claims use since January, 1927.

379,047. (CLASS 39. CLOTHING.) ADAM HAT STORES, INC., New York, N. Y. Filed Jan. 17, 1939. Serial No. 414,907.

ADAMEDGE

For Men's Hats.
Claims use since Dec. 1. 1938.

379,048. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MANHEIMER WATCH COMPANY, Chicago, Ill., assignor to Hampden Watch Company, Chicago, Ill., a corporation of Illinois. Filed Apr. 26, 1939. Serial No. 418,719.

HAMPDEN

For Watches and Watch Movements.
Claims use since Apr. 12, 1939.

379,049. (CLASS 39. CLOTHING.) HART, SCHAFFNER & MARX, Chicago, Ill. Filed May 1, 1939. Serial No. 418,926.

"Slenderizer"

For Men's and Boys' Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches.
Claims use since Apr. 21, 1939.

379,050. (CLASS 39. CLOTHING.) THE HEALTH SHOE SHOP OF BOSTON, INC., Boston, Mass. Filed May 10, 1939. Serial No. 419,261.

XTRA-EASE

For Shoes of Leather, Rubber, Fabric, or Combinations Thereof, for Men, Women, and Children.
Claims use since Mar. 21, 1939.

379,051. (CLASS 39. CLOTHING.) MUSEBECK SHOE COMPANY, Danville, Ill. Filed May 19, 1939. Serial No. 419,590.



For Shoes Made of Leather and Combinations of Leather and Fabric.
Claims use since Apr. 24, 1939.

379,052. (CLASS 39. CLOTHING.) SCHARF-BRENNER MANUFACTURING COMPANY, INC., Philadelphia, Pa. Filed June 7, 1939. Serial No. 420,261.

Jane Rawley

For Junior Misses Dresses.
Claims use since Apr. 10, 1939.

379,053. (CLASS 39. CLOTHING.) F. & M. SKIRT CO., INC., Boston, Mass. Filed July 1, 1939. Serial No. 421,182.

Toni Lyons

For Shirts, Skirts, Blouses, and Two-Piece Dresses for Women.
Claims use since Apr. 14, 1939.

379,054. (CLASS 37. PAPER AND STATIONERY.) NORMAN E. ALLEN, New York, N. Y. Filed Aug. 31, 1939. Serial No. 423,154.

PAP-R-MASK

For Stencils.
Claims use since Aug. 2, 1937.

379,055. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ARTHUR BROWN & BRO., New York, N. Y. Filed Sept. 20, 1939. Serial No. 423,751.

DUL-MAT

For Acetate Surfaced Mat, a Tracing Medium for Artists.
Claims use since Aug. 15, 1938.

379,056. (CLASS 37. PAPER AND STATIONERY.) ATLANTIC REGISTER COMPANY, Waltham, Mass. Filed Nov. 8, 1939. Serial No. 425,379.

PERFEK-PAK

For Autographic Registers.
Claims use since Apr. 25, 1938.

379,057. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX OTTO BOCK, Houston, Tex. Filed Nov. 10, 1939. Serial No. 425,678.

DeVRIES

For Tooth Brushes and Powder Puffs.
Claims use since Aug. 24, 1938.

379,058. (CLASS 39. CLOTHING.) PITTSBURGH HAT AND CAP COMPANY, Pittsburgh, Pa. Filed Nov. 16, 1939. Serial No. 425,719.

AMAN'S

For Men's and Boys' Hats and Caps.
Claims use since May 1, 1939.

379,059. (CLASS 39. CLOTHING.) CORA CHANDLER'S INC., Boston, Mass. Filed Jan. 8, 1940. Serial No. 427,229.

Judy Cort

For Women's and Misses' Wearing Apparel and Combinations of Garments and Accessories—Namely, Hats, Sweaters, Blouses, Outer Skirts, Jackets, Dresses, Slacks, Outer Shorts, and Jerseys.
Claims use since Apr. 11, 1939.

379,060. (CLASS 39. CLOTHING.) HARRY COTLER, New York, N. Y. Filed Jan. 9, 1940. Serial No. 427,276.

the British Hy-tab collar

For Men's Collars.
Claims use since October, 1934.

379,061. (CLASS 39. CLOTHING.) ISIDORE LYONS, New York, N. Y. Filed Jan. 19, 1940. Serial No. 427,634.

Hipgrips

For Men's and Boys' Trousers, Knickerbockers, Breeches.
Claims use since Dec. 22, 1938.

379,062. (CLASS 39. CLOTHING.) A. DE PINNA CO., INC., New York, N. Y. Filed Feb. 14, 1940. Serial No. 428,542.

INDIA CLOTH

For Men's and Boys' Suits, and Coats of Worsted and Mohair and Mixtures Thereof.
Claims use since Mar. 29, 1938.

379,063. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POULTRY FOOD PRODUCTS, INC., Chicago, Ill. Filed Mar. 25, 1940. Serial No. 429,954.

CHICK-N-RICH

For Cat and Dog Food.
Claims use since September, 1937.

379,064. (CLASS 39. CLOTHING.) NAT LEWIS RETAIL CORPORATION, New York, N. Y. Filed Mar. 28, 1940. Serial No. 430,083.

Nat Lewis

For Women's Wearing Apparel—Namely, Negligees, Pajamas, Slips, Panties, Chemises, Gloves, Shoes and Slippers of Fabric, Leather, Imitation Leather and Combinations Thereof, Mules, Blouses and Shirtwaists, Handkerchiefs, Scarfs and Neckerchiefs, Hosiery, Playsuits, Slacks, Shorts, Swim Suits, Halters, Beach Coats, Bathing Caps, Beach Shoes, Hats, Corsets, Girdles, Brassières, Garter Belts, Dance Belts, G Strings, Bloomers, Sport Coats, Sport Suits, Tailored Suits, Fur Coats, Fur Trimmed Coats, Outer Skirts, Undershirts, Street Dresses, Evening Dresses, and Evening Wraps; and for Men's Wearing Apparel—Namely, Dress Shirts, Sport Shirts, Athletic Shirts, Union Suits, Drawers, Hosiery, Anklets, Handkerchiefs, Neckerchiefs, Gloves of Fabric and Leather and Combinations Thereof, Bathing Trunks, Bathing Shirts, Sweaters, Slack Sets, Night Shirts, Pajamas, Scarfs, Garters, Arm Bands, Trouser Belts, Suspenders, Lounging Robes, Dressing Robes and Beach Robes, Spats, Sport Jackets, Dress Vests, Collars, Raincoats, Smoking Jackets, Lounge Suits, Cummerbunds, Leather Jackets, Basque Shirts, Golf Hose, Shawls, Ascot Ties and Neckties, Tie and Handkerchief Sets, Bathing Shoes, Slippers, Slacks, Caps, Hats, Berets, Suits, Coats and Overcoats.
Claims use since Nov. 15, 1909.

379,065. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MAX OTTO BOCK, Houston, Tex. Filed Mar. 29, 1940. Serial No. 430,162.

DeVRIES

For Combs and Shoe Laces.
Claims use since Nov. 23, 1938.

379,066. (CLASS 39. CLOTHING.) MODERN SHOE COMPANY, St. Louis, Mo. Filed Apr. 5, 1940. Serial No. 430,414.

Jack Daniels

For Shoes Made of Leather, Rubber, or Fabric, or Combinations of Such Materials.
Claims use since Apr. 15, 1936.

379,067. (CLASS 39. CLOTHING.) G. H. S. CORPORATION, New York, N. Y. Filed Apr. 12, 1940. Serial No. 430,687.

Fashionette

For Hair Nets.
Claims use since Oct. 13, 1916.

379,068. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) JACK GALTER, Chicago, Ill. Filed Apr. 24, 1940. Serial No. 431,156.

REMINGTON

For Smoking Pipes and Cigarette Holders.
Claims use since Sept. 12, 1938.

379,069. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) IRVINE & COTTOM, Dillon, Mont. Filed Apr. 25, 1940. Serial No. 431,207.

COTTOM SPRING EYE SACK NEEDLE

For Hand Sewing Needles.
Claims use since October, 1937.

TRADE-MARK REGISTRATIONS RENEWED

18,185. **REPRESENTATION OF A DUCK.** LEATHER AND CANVAS CLOTHING. Registered July 15, 1890. DUNLAP, LAWTON & HALL, Chicago, Ill. Re-renewed July 15, 1940, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

18,602. **BANKERS' LINEN.** WRITING PAPER. Registered November 4, 1890. SOUTHWORTH COMPANY, Mittineaque, Mass. Re-renewed November 4, 1940, to Southworth Company, West Springfield, Mass., a corporation of Massachusetts.

125,167. **REMMO.** TOILET SOAP. Registered April 15, 1919. THE REMMERS SOAP COMPANY, Cincinnati, Ohio. Renewed April 15, 1939, to The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio, successor.

130,212. **UTILITOR.** TRACTORS. Registered April 18, 1920. MIDWEST ENGINE COMPANY, Indianapolis, Ind. Renewed April 13, 1940, to The Utilitor Company, Miamisburg, Ohio, a corporation of Ohio, successor.

131,529. **K-B-D-A.** WRITING-TABLETS. Registered May 18, 1920. KANSAS BOOK DEALERS ASSOCIATION, as assignee of The H. D. Lee Mercantile Co., Salina, Kans., and Kansas City, Mo. Renewed May 18, 1940, to Kansas Book Dealers Association, Newton, Kans., an incorporated association of Kansas, assignee.

131,611. **ASEPTOVOLS.** ALKALINE ANTISEPTIC SUPPOSITORIES. Registered May 18, 1920. SHARP & DOHME, Baltimore, Md. Renewed May 18, 1940, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

131,728. **CONVERSE.** BOOTS OR SHOES MADE OF OR CONTAINING RUBBER. Registered May 25, 1920. THE CONVERSE RUBBER SHOE COMPANY. Renewed May 25, 1940, to Converse Rubber Company, Malden, Mass., a corporation of Massachusetts, assignee.

131,831. **RUBIFAX.** RUBEFACIENT OINTMENT. Registered May 25, 1920. SHARP & DOHME, Baltimore, Md. Renewed May 25, 1940, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

131,832. **PEPETAL.** DIGESTIVE COMPOUND. Registered May 25, 1920. SHARP & DOHME, Baltimore, Md. Renewed May 25, 1940, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

132,034. **LONE STAR.** OAT-SEEDS. Registered June 8, 1920. PITTMAN & HARRISON COMPANY. Renewed June 8, 1940, to E. L. Benzel, doing business as Pittman & Harrison Company, Sherman, Tex., successor.

132,171. **RUST VETO.** AN OIL RUST-PREVENTIVE. Registered June 15, 1920. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 15, 1940.

132,522. **METHYLETS.** URINARY ANTISEPTIC CAPSULES. Registered June 22, 1920. SHARP & DOHME, Baltimore, Md. Renewed June 22, 1940, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

132,523. **REPRESENTATION OF A RECTANGLE BETWEEN TWO TREFOILS.** ANTISEPTIC TABLETS. Registered June 22, 1920. SHARP & DOHME, Baltimore, Md. Renewed June 22, 1940, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

132,592. **BIOLOID.** A CELLULOSE COMPOUND USED IN PREPARING COLLODION EMBEDDING-TISSUES FOR MICROSCOPIC AND BIOLOGICAL SPECIMENS. Registered June 22, 1920. THE WILL CORPORATION, Rochester, N. Y., a corporation of New York. Renewed June 22, 1940.

132,819. **OCCIDENTAL.** WOOD, COAL, AND COMBINED WOOD OR COAL AND GAS STOVES, RANGES, AND HEATERS. Registered June 29, 1920. STEIGER & KERR STOVE & FOUNDRY CO., San Francisco, Calif. Renewed June 29, 1940, to Steiger & Kerr Stove & Foundry Co., Irvington, Calif., a corporation of California.

132,926. **KING OSCAR.** COFFEE. Registered July 6, 1920. LESTER H. DAVIS, doing business as Davis Coffee House, Lindsborg, Kans. Renewed July 6, 1940.

133,150. **TIME TELLS.** CERTAIN NAMED OILS AND GREASES. Registered July 13, 1920. JOHNSON OIL REFINING COMPANY, Chicago Heights, Ill. Renewed July 13, 1940, to Johnson Oil Refining Company, Chicago, Ill., a corporation of Delaware, successor.

133,178. **AVRO.** CERTAIN NAMED SUPPLIES FOR AVIATORS. Registered July 13, 1920. A. V. ROE & Co. LIMITED, Manchester, England, a corporation of Great Britain. Renewed July 13, 1940.

133,505. **AVRO.** AVIATORS' HARNESS, AVIATORS' BELTS, AND METAL COUPLING ATTACHMENTS FOR THE SAME. Registered July 27, 1920. A. V. ROE & Co. LIMITED, Manchester, England, a corporation of Great Britain. Renewed July 27, 1940.

133,856. **USCO.** FLOOR-COVERING AT PRESENT MADE OF RUBBER COMPOUND. Registered August 3, 1920. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed August 3, 1940, to United States Rubber Company, New York, N. Y., a corporation of New Jersey.

134,251. **CEREAL GOODIES.** BREAKFAST FOODS. Registered August 24, 1920. VERNE D. LERSCH, Wellington, Ohio. Renewed August 24, 1940, to V. D. Lersch, doing business as Ashland City Mills, Ashland, Ohio.

134,413. **MASONILLA.** CANDIES AND CHOCOLATES. Registered August 31, 1920. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING COMPANY, Brooklyn, N. Y., a corporation of West Virginia. Renewed August 31, 1940.

134,658. **GLIDDENS.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered September 14, 1920. THE GLIDDEN COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed September 14, 1940.

134,837. **WALRUS.** ARCTICS. Registered September 14, 1920. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed September 14, 1940, to United States Rubber Company, New York, N. Y., a corporation of New Jersey.

135,051. **REGINA.** ELECTRIC VACUUM-CLEANERS AND PARTS THEREOF. Registered September 21, 1920. THE REGINA COMPANY, New York, N. Y. Renewed September 21, 1940, to The Regina Corporation, Rahway, N. J., a corporation of New Jersey, successor.

135,088. **REPRESENTATION OF A WITCH.** WITCH-HAZEL, DISINFECTANT, INSECT-EXTERMINATORS, FORTIFIED AMMONIA. Registered September 21, 1920. FRANK P. SYMONDS. Renewed September 21, 1940, to Salem Chemical & Supply Co., Salem, Mass., a corporation of Massachusetts, assignee.

135,363. **SANDY ANDY.** AUTOMATIC SAND-OPERATED MECHANICAL TOYS AND TOY DISHES. Registered September 28, 1920. WOLVERINE SUPPLY AND MANUFACTURING COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed September 28, 1940.

135,412. **BELTEX B.** A DRESSING AND PRESERVATIVE FOR LEATHER, RUBBER, CANVAS, AND FABRIC BELTING AND OTHER LEATHER PRODUCTS. Registered October 12, 1920. CHICAGO BELTING COMPANY. Renewed October 12, 1940, to Chicago Belting Company, Chicago, Ill., a corporation of Delaware, assignee.

135,513. **OAK.** SHINGLES, LATHS, AND OAK FLOORING. Registered October 12, 1920. JOHN B. RANSOM & COMPANY, Nashville, Tenn. Renewed October 12, 1940, to E. L. Bruce Co., Memphis, Tenn., a corporation of Delaware, successor.

135,541. **E. Z.** GARTERS. Registered October 12, 1920. THE THOS. P. TAYLOR COMPANY, Bridgeport, Conn. Renewed October 12, 1940, to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York, assignee.

135,666. **ELECTROGRIT.** ABRASIVES IN COMMINUTED FORM. Registered October 19, 1920. THE EXOLON COMPANY, Boston, Mass. Renewed October 19, 1940, to The Exolon Company, Blasdell, N. Y., a corporation of Massachusetts.

135,667. **CARBOGRIT.** ABRASIVES IN COMMINUTED FORM. Registered October 19, 1920. THE EXOLON COMPANY, Boston, Mass. Renewed October 19, 1940, to The Exolon Company, Blasdell, N. Y., a corporation of Massachusetts.

135,729. **LYSOL.** SOAP AND SHAVING-SOAP IN CREAM FORM. Registered October 19, 1920. LEHN & FINK, INC., New York, N. Y. Renewed October 19, 1940, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee.

135,747. **SECURITY.** CALKING-COTTON. Registered October 19, 1920. MASSASOIT MANUFACTURING COMPANY, Fall River, Mass. Renewed October 19, 1940, to Massasoit Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

135,775. **POWELL'S.** CANDY. Registered October 19, 1920. POWELL'S, New York, N. Y., a corporation of New York. Renewed October 19, 1940.

135,992. **WEARS LIKE A PIG'S NOSE.** WORK-CLOTHING—NAMELY, OVERALLS, WORK-PANTS, COATS FOR OVERALLS, AND ONE-PIECE COMBINATIONS. Registered October 26, 1920. W. M. FINCK AND COMPANY, Detroit, Mich., a corporation of Michigan. Renewed October 26, 1940.

136,021. **HOWDY.** NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES. Registered October 26, 1920. CHARLES L. GRIGG. Renewed October 26, 1940, to Seven Up Company, St. Louis, Mo., a corporation of Missouri, assignee.

136,170. **BAMBINO.** A BALSAM FOR THE TREATMENT OF CONSTIPATION, FLATULENCY, WIND-COLIC, AND DIARRHEA. Registered October 26, 1920. F. AD. RICHTER & Co., New York, N. Y. Renewed October 26, 1940, to F. Ad. Richter & Co. Inc., Brooklyn, N. Y., a corporation of New York, assignee by mesne assignments.

136,190. **SKINNER.** CHUCKS OF ALL KINDS. Registered October 26, 1920. THE SKINNER CHUCK COMPANY, New Britain, Conn., a corporation of Connecticut. Renewed October 26, 1940.

136,205. **TURKEY.** TABLE-SYRUPS CONTAINED IN SEALED CONTAINERS. Registered October 26, 1920. JULIUS STROMEYER. Renewed October 26, 1940, to J. STROMEYER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

136,234. **600W.** LUBRICATING-OILS. Registered October 26, 1920. VACUUM OIL COMPANY. Renewed October 26, 1940, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

136,246. **REVOL.** CERTAIN NAMED FANCY GOODS, FURNISHINGS, AND NOTIONS. Registered October 26, 1920. WALDES & Co., Prague, Bohemia. Renewed October 26, 1940, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

136,259. **EXCELSIOR.** CERTAIN NAMED GRASS-SEED, LAWN-SEED, LAWN-GRASS MIXTURES, AND PASTURE-MIXTURES. Registered October 26, 1920. WHITNEY-ECKSTEIN SEED CO., Buffalo, N. Y., a corporation of New York. Renewed October 26, 1940.

136,307. **STONE MOUNTAIN BOSS KRAFT.** PAPER BAGS. Registered November 2, 1920. ATLANTA PAPER COMPANY, Atlanta, Ga., a corporation of Georgia. Renewed November 2, 1940.

136,403. **PINNACLE.** LEAD PENCILS. Registered November 2, 1920. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed November 2, 1940.

136,432. **PEDIGREE.** VARNISH. Registered November 2, 1920. THE P. D. GEORGE COMPANY, St. Louis, Mo., a corporation of Delaware. Renewed November 2, 1940.

136,490. **NOBLE-HEART.** CAKE, BAR, PASTE, LIQUID, AND POWDER SOAPS. Registered November 2, 1920. JOSEPH HENRY KARP, New York, N. Y. Renewed November 2, 1940.

136,514. **VELVA.** TOILET CREAM. Registered November 2, 1920. FLORENCE N. LEWIS. Renewed November 2, 1940, to Elizabeth Arden, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

136,516. **VELVET.** SMOKING AND CHEWING TOBACCO. Registered November 2, 1920. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed November 2, 1940.

136,534. **REPRESENTATION OF A CHECKERBOARD BORDER.** FIBER-BOARD AND CORRUGATED FIBER SHIPPING CONTAINERS OR CARTONS. Registered November 2, 1920. MENGEL BOX COMPANY. Renewed November 2, 1940, to The Mengel Company, Louisville, Ky., a corporation of New Jersey, by change of name.

136,828. **STYLWEAR.** CERTAIN NAMED CLOTHING. Registered November 9, 1920. JAMES A. HEARN & SON INC. Renewed November 9, 1940, to Hearn Department Stores, Inc., New York, N. Y., a corporation of New York, assignee.

136,964. **LUCKY STRIKE.** CERTAIN NAMED FISHING SUPPLIES. Registered November 9, 1920. THE THOMSON-DIGGS COMPANY, Sacramento, Calif., a corporation of California. Renewed November 9, 1940.

136,979. **HOMELIKE.** CAKES. Registered November 9, 1920. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed November 9, 1940.

136,980. **RELYON.** PROOFING-PAPER. Registered November 9, 1920. WARE COATED PAPER COMPANY, Ware, Mass. Renewed November 9, 1940, to McLaurin-Jones Co., Brookfield, Mass., a corporation of Massachusetts, assignee.

LABELS

REGISTERED JUNE 25, 1940

55,001.—*Title:* SOCLENE. For a Cleanser. L. B. ADAMS & Co., Birmingham, Ala. Published May 22, 1940.

55,002.—*Title:* FUDG-IN. For a Powder for Making a Chocolate Flavored Fudge Ice Cream. AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis. Published January 24, 1940.

55,003.—*Title:* RIBBON FUDGE. For a Powder for Making Chocolate Flavored Fudge Ice Cream. AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis. Published January 24, 1940.

55,004.—*Title:* JACK THE RIPPER. For a Seam Ripper. MARTIN J. BACON, Los Angeles, Calif. Published March 1, 1940.

55,005.—*Title:* TATOL. For a Traffic Line Lacquer Thinner. HOBART BERESFORD, Idaho Falls, Idaho. Published May 28, 1940.

55,006.—*Title:* QUALITY SKATING OUTFIT. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published May 22, 1940.

55,007.—*Title:* BIG JOE. For Root Beer. BLOOMFIELD HILLS BEVERAGE COMPANY, Detroit, Mich. Published April 5, 1940.

55,008.—*Title:* ROYAL BOND. For Diced Carrots. J. BOND & COMPANY, INC., New York, N. Y. Published February 21, 1940.

55,009.—*Title:* KOKE UP. For a Carbonated Beverage. JOHN R. BUSCH, Breinigsville, Pa. Published January 15, 1940.

55,010.—*Title:* BALTIMORE BELLE. For Blended Whisky. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published April 22, 1940.

55,011.—*Title:* CAPTAIN KIDD. For Rum. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published March 18, 1940.

55,012.—*Title:* CLIPPER RUM. For Rum. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published March 31, 1940.

55,013.—*Title:* EMBASSY. For Rum. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published April 12, 1940.

55,014.—*Title:* KEY LARGO. For Rum. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published April 17, 1940.

55,015.—*Title:* LA CONGA. For Rum. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. , Published April 18, 1940.

55,016.—*Title:* PLANTATION DE LUXE RUM. For Rum. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published May 14, 1940.

55,017.—*Title:* YANKEE RUM. For Rum. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published April 22, 1940.

55,018.—*Title:* MRS. STEWART'S CONCENTRATED LIQUID BLUING. For Concentrated Liquid Bluing. LUTHER FORD & CO., Minneapolis, Minn. Published May 15, 1940.

55,019.—*Title:* EUCALYPTUS STICKS. For Incense. EMILE FRANTZ, San Francisco, Calif. Published December 15, 1939.

55,020.—*Title:* FRESHUST COFFEE. For Coffee. FRESH-O-MATIC COFFEE ROASTING SYSTEM, INC., St. Louis, Mo. Published May 29, 1940.

55,021.—*Title:* GEORGIA PICKLED PEACHES, PINE MOUNTAIN BRAND. For Pickled Peaches. GEORGIA PICKLED PEACH COMPANY, Gay, Ga. Published May 17, 1940.

55,022.—*Title:* KING COTTON CORD COIL. For Braided Cord in Colors for Venetian Blinds and Decorative Use. JOHN H. GRAHAM & CO., INC., New York, N. Y. Published April 19, 1940.

55,023.—*Title:* THIS GARMENT IS AN ORIGINAL GILKRAFT MODEL. For Garments. GREIFF & LUTZKER, New York, N. Y. Published February 25, 1940.

55,024.—*Title:* KLEENEX. For Tissues. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Published May 17, 1940.

55,025.—*Title:* BRADMASTER BY MARKWELL. For Brad Driving Tools. MARKWELL MFG. CO., INC., New York, N. Y. Published May 31, 1940.

55,026.—*Title:* McCUTCHEON'S BLUE LABEL PILLOWCASE. For Pillow Cases. JAMES McCUTCHEON & COMPANY, New York, N. Y. Published April 20, 1940.

55,027.—*Title:* McCUTCHEON'S BLUE LABEL SHEET. For Sheets. JAMES McCUTCHEON & COMPANY, New York, N. Y. Published April 20, 1940.

55,028.—*Title:* FLOODWOOD BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published March 1, 1940.

55,029.—*Title:* MENASHA BRAND BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published March 1, 1940.

55,030.—*Title:* MENASHA ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published March 1, 1940.

55,031.—*Title:* MENASHA ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published March 1, 1940.

55,032.—*Title:* DEHNS ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published May 13, 1940.

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55,033.—*Title:* ATTA ATTA FOOT, ATHLETE'S FOOT

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FORMULA. For Antiseptic Inner Soles for Shoes and Other Footwear. RICHARD A. MEYER, Los Angeles, Calif. Published April 5, 1940.

55,034.—*Title:* "MICHIGAN" DO-NUTS. For Doughnuts. MICHIGAN BAKERIES, INC., Grand Rapids, Mich. Published May 1, 1940.

55,035.—*Title:* SHURFINE. For Salad Dressing. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Published April 5, 1940.

55,036.—*Title:* WAY-TO-WIN. For Pastry Flour. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Published May 20, 1940.

55,037.—*Title:* O-CEDAR CAR-GLOS. For a Polish and Cleaner. O-CEDAR CORP'N, Chicago, Ill. Published May 10, 1940.

55,038.—*Title:* O-CEDAR MOTH-AWAY CONE. For Refill Fluid Containing Effective Moth-Killing Agents Prepared for Use With Cone-Shaped Containers. O-CEDAR CORP'N, Chicago, Ill. Published April 15, 1940.

55,039.—*Title:* HEALTH TONE. For a Laxative. WINFIELD R. OFFUTT, doing business as Healthtone Company, Louisville, Ky. Published January 15, 1940.

55,040.—*Title:* SUN-FOOD. For a Canned Concentrated Vegetable Compound. PACIFIC SUN FOODS COMPANY, Los Angeles, Calif. Published May 18, 1940.

55,041.—*Title:* RECORDAK FINE-GRAIN PANCHROMATIC SAFETY FILM. For Panchromatic Safety Film. RECORDAK CORPORATION, New York, N. Y. Published May 23, 1940.

55,042.—*Title:* DON JUAN. For Pure California Alicante Wine. JOSEPH H. REINFELD, INC., Newark, N. J. Published May 21, 1940.

55,043.—*Title:* IMPERIAL BANQUET. For Pure California Barbera Wine. JOSEPH H. REINFELD, INC., Newark, N. J. Published May 21, 1940.

55,044.—*Title:* SNACK-SACKS. For Bags. THOMAS M. ROYAL & CO., Philadelphia, Pa. Published May 23, 1940.

55,045.—*Title:* KING OF LACE. For Blouses and Lingerie. LOUIS SCHULMAN CO. INC., New York, N. Y. Published March 22, 1940.

55,046.—*Title:* SWAGGER. For Sportswear. LOUIS SCHULMAN CO. INC., New York, N. Y. Published March 22, 1940

55,047.—*Title:* TOMMY TUCKER. For Boys' Shirts. LOUIS SCHULMAN CO. INC., New York, N. Y. Published March 22, 1940.

55,048.—*Title:* WORTH CROWING FOR. For Candy. LOUIS SCHULMAN CO. INC., New York, N. Y. Published March 22, 1940.

55,049.—*Title:* EARLY AMERICAN SEWING BEE. For Toiletries. SHULTON, INC., New York, N. Y., and Hoboken, N. J. Published December 27, 1939.

55,050.—*Title:* GOLDEN GLOW. For Coffee. STANDARD BRANDS INCORPORATED, New York, N. Y. Published May 22, 1940.

55,051.—*Title:* TOM SAWYER SLATE OUTFIT. For Slate Outfits, Comprising a Slate, Eraser, Stencils and White and Colored Chalks. STANDARD TOYKRAFT PRODUCTS, INC., Brooklyn, N. Y. Published May 24, 1940.

55,052.—*Title:* BILIPOSOL. For a Lipoid-Soluble Basic Bismuth for Intramuscular Injection in the Treatment of All Stages of Syphilis. ULMER LABORATORIES, Minneapolis, Minn. Published March 14, 1940.

55,053.—*Title:* BILIPOSOL. For a Lipoid-Soluble Basic Bismuth for Intramuscular Injection in the Treatment of All Stages of Syphilis. ULMER LABORATORIES, Minneapolis, Minn. Published March 12, 1940.

55,054.—*Title:* GOLDEN GLOW. For a Salad Spread. VITA FOODS, Jacksonville, Fla. Published May 16, 1940.

55,055.—*Title:* VITA-FOOD. For Jellies. VITA FOODS, Jacksonville, Fla. Published May 16, 1940.

55,056.—*Title:* ONE KITCHENETTE TABLE COVER. For Table Covers. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Published October 1, 1937.

55,057.—*Title:* EIGHTY KITCHENETTE EMBOSSED NAPKINS. For Embossed Napkins. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Published October 1, 1937.

55,058.—*Title:* THIRTY KITCHENETTE COCKTAIL NAPKINS. For Cocktail Napkins. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Published October 1, 1937.

55,059.—*Title:* KITCHENETTE DE LUXE DRAWER LINING AND SHELF PAPER. For Drawer Lining and Shelf Paper. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Published January 2, 1938.

55,060.—*Title:* 150 HOUSEHOLD KITCHENETTE ROLL TOWELS. For Household Towels. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Published January 2, 1938.

55,061.—*Title:* 6 KITCHENETTE SALT & PEPPER SHAKERS. For Salt and Pepper Shakers. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Published January 2, 1938.

55,062.—*Title:* CONTINUOUS ROLL HEAVY KITCHENETTE WAXED PAPER. For Waxed Paper. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Published January 2, 1938.

55,063.—*Title:* ORCHID. For Kentucky Straight Bourbon Whiskey. HYMAN H. ZIMMERMAN, doing business as Zim's Wine and Liquor Distributors, Chicago, Ill. Published May 3, 1940.

PRINTS

REGISTERED JUNE 25, 1940

18,052.—*Title:* IS YOUR MAGNETO COSTING YOU MONEY? For Magnetos. AMERICAN BOSCH CORPORATION, Springfield, Mass. Published February 15, 1940.

18,053.—*Title:* EZAP. For an Antiseptic Scalp Lotion. THE DANDRO-NOX CO., INC., Baltimore, Md. Published December 7, 1939.

18,054.—*Title:* OTITIS FROM ADENOIDS AND TONSILS. For a Medicament Used in the Treatment of Otitis Resulting from Hypertrophy and Infection of the Adenoids and Tonsils. DOHO CHEMICAL CORPORATION, New York, N. Y. Published July 5, 1939.

18,055.—*Title:* THE PATHOLOGY OF OTITIS MEDIA. For a Medicament for the Relief of Edema and Congestion in the Ear. DOHO CHEMICAL CORPORATION, New York, N. Y. Published November 9, 1939.

18,056.—*Title:* PEDIATRIC SYMPTOMS OF OTITIS MEDIA. For a Medication for Ear Complications. DOHO CHEMICAL CORPORATION, New York, N. Y. Published September 7, 1939.

18,057.—*Title:* CHAR-KOLE HAMBURGER. For Hamburgers. CHAS. GEBOSA, Ossining, N. Y. Published May 14, 1940.

18,058.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (HR 12–A). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published May 9, 1940.

18,059.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (NO. HB–1). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published February 8, 1940.

18,060.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (NO. HB–4–A). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published March 1, 1940.

18,061.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (NO. HB–5). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published March 7, 1940.

18,062.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (HB 13). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published May 16, 1940.

18,063.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (NO. HB–2–A). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published February 15, 1940.

18,064.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (NO. HB–3). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published February 22, 1940.

18,065.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (HB 7). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published April 4, 1940.

18,066.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (HB–6A). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published March 14, 1940.

18,067.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (HB 8–A). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published April 11, 1940.

18,068.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (HB 11). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published May 2, 1940.

18,069.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (HB 10–A). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published April 25, 1940.

18,070.—*Title:* "NOW THAT'S WHAT I CALL GOOD COFFEE" (HB 9). For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published April 18, 1940.

18,071.—*Title:* BLIZZARD—THE DRINK YOU CAN'T FORGET—MADE AND SERVED IN LILY-TULIP CUPS—FOR 100% SANITATION. For a Drink and Paper Cups. LILY-TULIP CUP CORPORATION, New York, N. Y. Published April 15, 1940.

18,072.—*Title:* BLIZZARD—MADE AND SERVED IN LILY-TULIP CUPS—FOR 100% SANITATION . . . THE DRINK YOU CAN'T FORGET. For a Drink and Paper Cups. LILY-TULIP CUP CORPORATION, New York, N. Y. Published April 15, 1940.

18,073.—*Title:* IT'S MAGNETIC—MARKWELL BRADMASTER. For Brad Driving Tools. MARKWELL MFG. CO., INC., New York, N. Y. Published May 31, 1940.

18,074.—*Title:* SENIOR CLASS PRESIDENTS, COAST-TO-COAST, ANNOUNCE 'WE WANT PARKER'. For Pens, Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published May 25, 1940.

18,075.—*Title:* KOOL-AID. For Bubble Gum. PERKINS PRODUCTS COMPANY, Chicago, Ill. Published March 12, 1940.

18,076.—*Title:* YOUR DAILY BREAD. For Bread. WILLIAM A. SCHAUTZ, INC., New York, N. Y. Published April 30, 1940.

18,077.—*Title:* EARLY AMERICAN OLD SPICE HOME DECORATION. For Embroidery Transfer Patterns. SHULTON, INC., New York, N. Y., and Hoboken, N. J. Published December 27, 1939.

18,078.—*Title:* TASTYKAKE. For Cake. TASTY BAKING COMPANY, Philadelphia, Pa. Published May 20, 1940.

18,079.—*Title:* HY-GRO, FOR ALL PLANTS. For a Plant Growth Accelerator. WATER CULTURE FOUNDATION, Dallas, Tex. Published January 15, 1940.

18,080.—*Title:* QUICK-MIX VITAMIN B_1. For a Mix of Vitamin B_1 With Plant Hormones Stabilized for Initiating and Reinvigorating Root Growth in Plants, Flowers, Trees, and Shrubs. WATER CULTURE FOUNDATION, Dallas, Tex. Published April 15, 1940.

18,081.—*Title:* GUARANTEED FULLY CHARGED! For Storage Batteries. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio. Published May 1, 1940.

18,082.—*Title:* A TASTY DRINK FOR THIRSTY THROATS. For a Drink. WORLD BOTTLING CO., LTD., New Orleans, La. Published January 10, 1940.

REISSUES

JUNE 25, 1940

21,486

CONVERSION OF HYDROCARBONS

Aristid V. Grosse, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Original No. 2,124,567, dated July 26, 1938, Serial No. 105,717, October 15, 1936, Application for reissue September 15, 1939, Serial No. 295,112

8 Claims. (Cl. 260—668)

5. A process for the production of aromatic hydrocarbons from aliphatic hydrocarbons of from six to twelve carbon atoms, which comprises dehydrogenating and cyclicizing the aliphatic hydrocarbon by subjection to a temperature of the order of 400 to 700° C., for a time period of less than 50 seconds but sufficient to dehydrogenate and cyclicize the aliphatic hydrocarbon, in the presence of an aluminum oxide catalyst containing a relatively small amount of an oxide of a metal from the left hand column of Group VI of the periodic table and selected from the class consisting of chromium, molybdenum, tungsten and uranium.

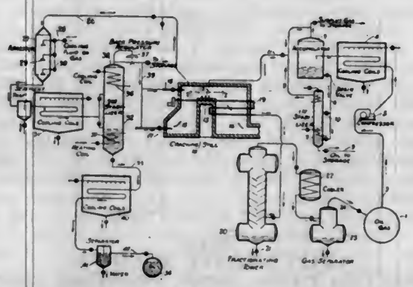
21,487

PROCESS FOR TREATING AN OIL GAS

Audley E. Harnsberger, Winnetka, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Original No. 1,900,057, dated March 7, 1933, Serial No. 361,447, May 8, 1929. Application for reissue April 17, 1934, Serial No. 721,061

17 Claims. (Cl. 196—10)



16. A process for conversion of normally gaseous hydrocarbons to normally liquid hydrocarbons which comprises flowing a stream of said gaseous hydrocarbons through a tube under superatmospheric pressure, heating said stream during passage through said tube to an elevated temperature suitable for converting gaseous to normally liquid hydrocarbons, maintaining the gases under reaction conditions for a suitable period of time to bring about the desired conversion, and immediately thereafter suddenly chilling the hot reaction products to a temperature sufficiently low to arrest the reaction by adding thereto relatively cool oil, and fractionating the resulting mixture into gas and liquid fractions.

21,488

TOY RAILWAY SWITCH THROWING MECHANISM

William E. Haupt, Eddystone, Pa., assignor, by direct and mesne assignments, to The Lionel Corporation, New York, N. Y., a corporation of New York

Original No. 2,079,251, dated May 4, 1937, Serial No. 298,265, August 8, 1928. Application for reissue April 5, 1939, Serial No. 266,234

30 Claims. (Cl. 246—231)



1. In a toy railroad, a switch from a single track to alternative branch tracks, a pair of oppositely acting electromagnets connected to oppositely position the switch, electrical circuits for the magnets and connections thereof on the tracks at points spaced from the switch adapted to selectively close the magnet circuits by the passage of the train toward the switch at the said points, and electrical connections adapted to be closed by and during the passage of a train over the switch for energizing the said magnets selectively and thereafter for holding the switch in its set position while the train is on the switch.

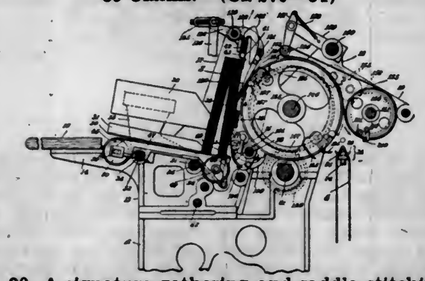
21,489

SHEET OR SIGNATURE FEEDING AND GATHERING

Paul E. Kleineberg, Paul Schweizer, and Andrew W. Wilks, Easton, Pa., assignors to T. W. & C. B. Sheridan Company, New York, N. Y., a corporation of New York

Original No. 2,163,732, dated June 27, 1939, Serial No. 158,684, August 12, 1937. Application for reissue March 7, 1940, Serial No. 322,860

39 Claims. (Cl. 270—54)



29. A signature gathering and saddle-stitching machine comprising a hopper for each supply of stacked signatures, a rotary drum for transferring in succession the signatures from each supply to a delivery point above a gathering saddle, said drum carrying a gripper adapted during drum rotation first to grip and extract each signature from the supply by its openable edge and thereafter to release such signature edge on the drum to permit opening and delivery to the saddle, and a signature opening means adjacent

to the drum delivery point comprising a device operable during transfer to engage the outer half of the signature on the run and draw it away from the inner half and drum thereby to open the signature for delivery straddlewise upon the saddle.

21,490

METHOD OF FABRICATING RIMS

Edward J. Lobdell, Jr., Alma, Mich., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich., a corporation of Michigan

Original No. 2,080,866, dated May 18, 1937, Serial No. 734,846, July 12, 1934. Application for reissue May 17, 1939, Serial No. 274,307

11 Claims. (Cl. 29—159.1)



1. The method of fabricating a metallic rim for bicycle wheels which comprises securing together the ends of a relatively thin flat strip of ductile metal to form an endless band having the internal diameter of the finished rim and thereafter expanding the outer marginal portions of said band while internally and externally holding the annular central portion thereof against change in size.

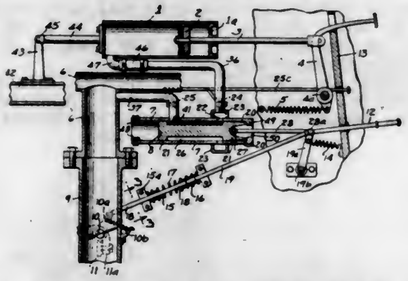
21,491

VACUUM POWER CLUTCH

Henry John De Neville McCollum and James Harry Keighley McCollum, Long Branch, N. J.

Original No. 1,858,999, dated May 17, 1932, Serial No. 503,767, December 20, 1930. Application for reissue August 4, 1933, Serial No. 683,698

27 Claims. (Cl. 192—.01)



1. A vacuum power clutch mechanism having, in combination, a cylinder pivotally connected to the frame of the motor vehicle, a piston in said cylinder, a piston rod connected to said piston, a clutch pedal, means for connecting said piston rod to said clutch pedal, said piston rod working through a head in said cylinder, said head having means cooperating with said piston rod to prevent air from leaking into or out of said cylinder, a valve casing having ports connected by passageways to said cylinder, a valve in said valve casing having part of its periphery in the form of a full bodied section and part of its periphery tapered, an intake-manifold connected by a passageway to said valve casing, a second pedal pivotally connected to said valve, a carburetor, having a throttle valve, said carburetor throttle valve being also operatively connected to said second pedal and means for allowing said first mentioned valve to be moved before said carburetor throttle valve is moved from the idling position.

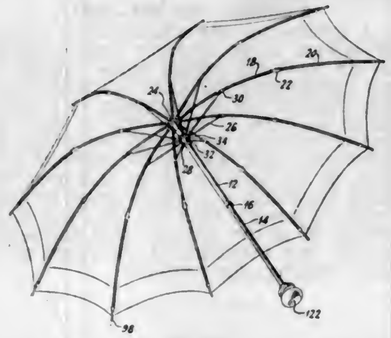
21,492

FOLDING UMBRELLA

Edward Okun, New York, N. Y., assignor to American Folding Umbrella Corporation, New York, N. Y., a corporation of New York

Original No. 2,177,458, dated October 24, 1939, Serial No. 185,105, January 15, 1938. Application for reissue April 4, 1940, Serial No. 327,887

22 Claims. (Cl. 135—25)



2. A folding umbrella rib comprising hingedly connected upper and lower ribs, each including a pair of collaterally arranged wires, said wires being made of suitably hardened spring metal, and fittings made of soft rust-proof metal secured to the ends of said wires and functioning to hold the same in desired relation and to hingedly connect the upper and lower ribs.

18. A fitting for pivotally connecting an umbrella part to another umbrella part made up of collateral wires, said fitting comprising a piece of sheet metal having a main part with ears projecting transversely therefrom and perforated to provide bearing holes, one side of the main part being curled around and clamped against one of the wires, and the other side of the main part being curled around and clamped against the other wire, while the two ears are brought into spaced collateral relation for receiving a pivot.

21,493

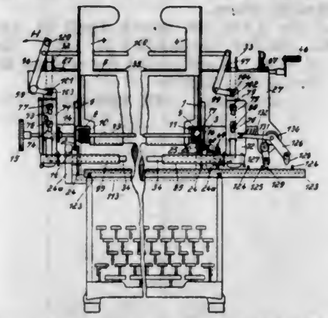
TYPEWRITING MACHINE

Jacob Fritz Pfeiffer, Zurich, Switzerland, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau, near Chemnitz, Germany

Original No. 2,139,095, dated December 6, 1938, Serial No. 753,381, November 16, 1934. Application for reissue December 8, 1939, Serial No. 308,300. In Germany November 18, 1933

10 Claims. (Cl. 197—153)

1. A commercial writing machine, including a platen carriage, means for feeding and holding inner work sheets around the platen of the machine, a detachable paper carrier comprising guides and feed rollers for inserting and feeding front sheets in front and independently of the inner sheets and a frame mounted on the platen carriage, a main ribbon, at least one supplementary ribbon, ribbon carriers for said supplementary ribbon, said guides and feed rollers and ribbon carriers being arranged on said frame to guide and feed the front sheets between the main and supplementary ribbons by rotating said feed rollers, and means forming a part of



the paper carrier for supporting said frame on said platen carriage.

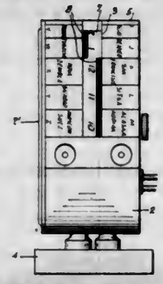
21,494

WORLD CLOCK

Herman Schlacht, Woodhaven, N. Y.

Original No. 2,070,687, dated February 16, 1937, Serial No. 7,340, February 20, 1935. Application for reissue February 15, 1939, Serial No. 256,518

15 Claims. (Cl. 58—43)



14. A world clock including a movement, a stationary geographical scale comprising a succession of pairs of time zones with the zones of each pair juxtaposed with respect to one another and respectively indicating localities on substantially diametrically opposite sides of the world, a member operatively connected with said movement to be driven in timed relation thereto and thereby, hour designations on said member arranged to individually register in proper time relation with the several pairs of time zones in accordance with the operations of the movement, and means to indicate whether the hour indication appropriate to any particular time zone is a. m. or p. m.

21,495

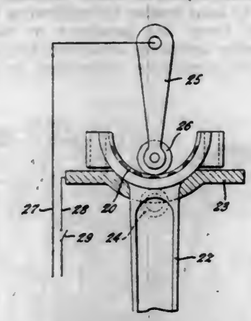
BEARING

Charles R. Short, Clermont, Fla., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original No. 1,819,272, dated August 18, 1931, Serial No. 221,340, September 22, 1927. Application for reissue December 16, 1939, Serial No. 309,650

14 Claims. (Cl. 219—10)

1. In the method of making bearings for shafts and the like, the step of welding a preformed porous metallic lining to a reinforcing member of denser metal which consists in holding said



elements in direct contact and heating the said elements to a high temperature while so held.

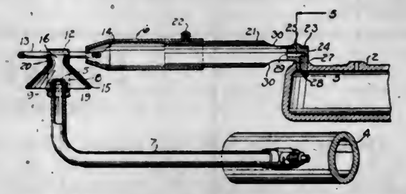
21,496

LIGHTING DEVICE FOR GAS BURNERS

Casper S. Stuckenholt and Lawrence Jaros, Cleveland, Ohio, assignors to The W. J. Schoenberger Company, Cleveland, Ohio, a corporation of Ohio

Original No. 2,112,000, dated March 22, 1938, Serial No. 141,333, May 7, 1937. Application for reissue October 15, 1938, Serial No. 235,922

4 Claims. (Cl. 158—115)



1. In a lighter, the combination of a burner, a source of fuel supply therefor, a pilot, a bracket mounted for vertical adjustment on said pilot, said bracket having vertically disposed arms, a substantially cone shaped hood on said bracket and partially enveloping said pilot, a ring like member mounted in the upper ends of said arms, a tube having openings in its inner end for receiving said ring and at the other end communicating with the burner.

21,497

ELECTROMAGNETIC BRAKE

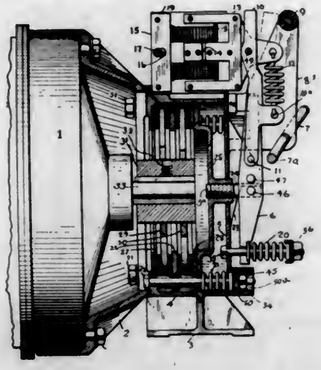
Panfilo Trombetta, Milwaukee, Wis.

Original No. 2,026,513, dated December 31, 1935, Serial No. 750,654, October 30, 1934. Application for reissue December 30, 1937, Serial No. 182,399½

34 Claims. (Cl. 188—171)

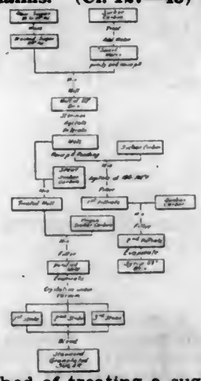
1. An electromagnetic brake for a rotatable member, comprising a stationary frame, a non-rotatable braking element arranged within said frame and restrained from movement relative thereto, a second non-rotatable braking element slidable within said frame and restrained from rotation thereby, a rotatable braking element arranged between said non-rotatable elements and connected to said rotatable member to rotate therewith, spring means for applying said brake, a single pressure member for transmitting the pressure of said spring means to said braking

elements to force all of them together, a lever mechanism connected to said pressure member and pivoted to said frame for relieving said pressure member from the pressure of said spring means, a single solenoid attached to said frame and having its armature connected to said lever



mechanism to operate the same, and spring means for supporting a part of the weight of said armature to thereby prevent excessive wear on said solenoid upon said brake being arranged in such a position that the axis of said solenoid is horizontal.

21,498
METHOD OF TREATING SUGAR MELTS
Daniel V. Wadsworth and Leonard Wickenden, Manhasset, N. Y., assignors to John J. Naugle, Greenwich, Conn.
Original No. 1,956,260, dated April 24, 1934, Serial No. 395,524, September 27, 1929. Renewed July 12, 1933. Application for reissue March 3, 1936, Serial No. 66,970
6 Claims. (Cl. 127—48)



6. In the method of treating a sugar syrup or melt to produce a substantially colorless product, the improvement which comprises treating washed sugar with calcium hypochlorite, then with one of the phosphates of sodium, and thereafter with a purifying carbon.

PLANT PATENTS

GRANTED JUNE 25, 1940

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

405
ROSE PLANT
Lyman B. Coddington, Murray Hill, N. J., assignor to L. B. Coddington Co., Murray Hill, N. J., a corporation of New Jersey
Application May 15, 1939, Serial No. 273,795
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant, characterized as to novelty by the large size and attractive yellow color of its flower, substantially as shown and described.

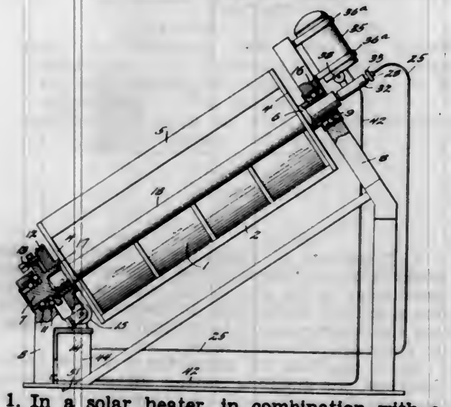
406
BEGONIA
Harold E. Traver, Woodbury, Conn.
Application January 26, 1939, Serial No. 252,960
1 Claim. (Cl. 47—60)

A new and distinct variety of winter-blooming begonia plant of the Mellor type, characterized particularly by its glossy, dark green, heavy-textured leaves which are undulate rather than merely serrate and which have veins of little prominence; its exceptionally heavy main stems; its compact, sturdy and heavy crown growth; and its very large, double, sterile blossoms of scarlet produced in abundance continuously for at least four months, under ordinary greenhouse conditions.

PATENTS

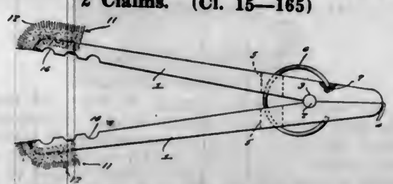
GRANTED JUNE 25, 1940

2,205,378
SOLAR FLASH BOILER
Charles Greeley Abbot, Washington, D. C.
Application March 12, 1938, Serial No. 195,648
14 Claims. (Cl. 126—271)



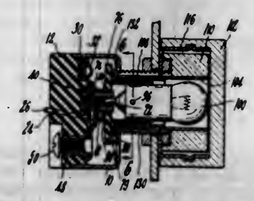
1. In a solar heater, in combination with a solar ray concentrator, a steam flash boiler of small heat capacity to be heated by absorbed solar rays, and a water injector adapted to automatically supply water to said boiler at such a rate that the concentrated solar radiation will convert immediately the water into steam and including means to control the supply of water to maintain an approximately constant pressure of steam with varying intensity of solar radiation and to cut off the supply of water when solar rays are arrested.

2,205,379
KITCHEN TOOL
Giacomo Agostineto, Trout Creek, Mich., assignor of one-half to Thomas Roland Thompson, Trout Creek, Mich.
Application January 19, 1939, Serial No. 251,797
2 Claims. (Cl. 15—165)



1. A kitchen tool of the class described comprising a pair of duplicate legs having opposed transversely extending grooves therein, said grooves being of semi-circular shape in cross section and arranged adjacent one end of the legs, a fulcrum member of circular shape in cross section engaged in the grooves, the legs being journaled on said fulcrum, the legs further having slots therein, said fulcrum member being located between the slots and said ends of the legs, a substantially C-shaped spring passing through the slots and having its ends engaged with the legs between the fulcrum member and the said ends of the legs for opening said legs.

2,205,380
RHEOSTAT SWITCH
Hugh W. Batcheller, Newton, Mass., assignor to Standard Mfg. Co., Worcester, Mass., a corporation of Massachusetts
Application March 4, 1937, Serial No. 128,949
3 Claims. (Cl. 200—172)



3. In a tell-tale electric switch, a housing including a sleeve projecting therefrom, a switch within said housing, means for operating said switch, said means including a tubular shaft element having its inner end portion rotatably projecting into said sleeve and a cylindrical knob on its outer end portion, a support element non-rotatably mounted on said sleeve, said support element having a pair of parallel arms projecting forward above and below said knob, and a shield carried by said arms, said shield having a portion extending diametrically across the outer end of said knob and covering the outer end of said shaft but leaving the sides of the knob exposed to access for operation of the switch.

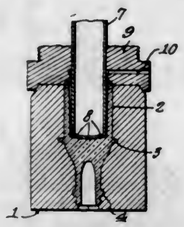
2,205,381
PREPARATION OF WINTER OIL FROM COTTONSEED OIL
Eddy W. Eckey, Wyoming, and Robert G. Folzenlogen, Lockland, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application July 6, 1939, Serial No. 283,062
5 Claims. (Cl. 260—428)

1. A process for separating stearine from refined cottonseed oil which comprises cooling the oil from a temperature above its graining temperature at which it is limpid to a temperature at least 2° F. below its temperature of graining but not below 40° F., the rate of cooling being sufficiently rapid to avoid any substantial graining out of stearine during said cooling, then protecting the oil from any substantial change of temperature due to other causes than the natural heat of crystallization while stearine crystallizes from the oil, and separating the grained stearine from the olein.

2,205,382
METHOD OF MAKING HOLLOW GLASSWARE
Charles B. Garwood, Linthicum Heights, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application May 19, 1938, Serial No. 208,901
4 Claims. (Cl. 49—80)

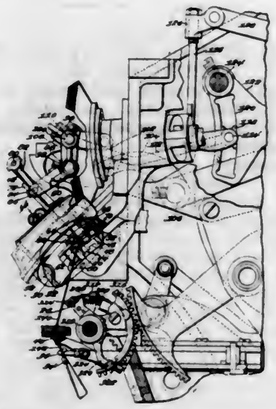
2. The method of producing a blank and a completed article of hollow glassware by suc-

cessive operations in a single mold which includes the step of forming chilled neck and wall portions by pressing a gob of glass in the mold to spread portions thereof over the walls of the mold and form a recess in the glass, the size of said recess determining the capacity of the completed article, then maintaining a portion of the glass in contact with a baffle in the recess, there-



by to chill said portion and shape the bottom of the glassware, and then causing the glass-engaged surface of the baffle to recede from its recess while air under pressure is being directed into glass at the other end of the mold, thereby to spread over the chilled wall portions of the glassware the glass remaining unchilled in the mold.

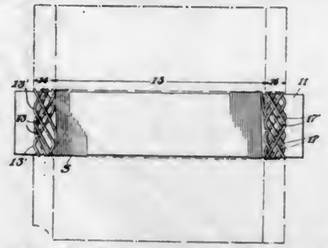
2,205,383
SEWING MACHINE
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 31, 1936, Serial No. 118,622
16 Claims. (Cl. 112—58)



1. A lockstitch sewing machine having, in combination, a hook needle, a thread case containing a supply of locking thread, a loop taker for passing a loop of needle thread about the thread case, a take-up for drawing each needle loop from the thread case towards the work, and means for drawing off a measured amount of locking thread from the supply and for holding the measured amount yieldingly against movement towards the work to cause the needle loop to be tightened against a laterally unsupported portion of the locking thread.

2,205,384
WINDING
Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application February 4, 1936, Serial No. 62,337
23 Claims. (Cl. 242—35.5)

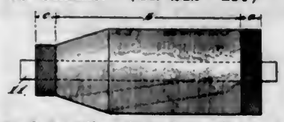
1. A wound textile package comprised of the same strand lying in a quick-traverse formation at the ends of the package and approximately perpendicular to the axis of the package in the intervening portion.



7. A method of preparing a textile package comprising winding a strand approximately perpendicular to the axis of the package and forming a self-sustaining end for the package by laying the same strand at said end of the package in quick-traverse formation.

22. A machine for preparing a wound textile package, the machine having therein a winding package drive roll, means for traversing the winding strand with a relatively slow traverse, quick-traverse mechanism adapted to impart a quick-traversing motion to the winding strand within a given zone of the package, said quick-traverse mechanism including driving means adapted to be stopped and started, and means for automatically stopping and starting the said quick-traverse driving means at intervals during operation of the winding package drive roll.

2,205,385
WINDING
Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application October 22, 1938, Serial No. 236,494
20 Claims. (Cl. 242—159)



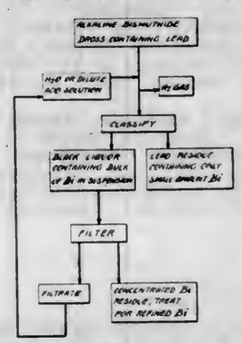
1. A wound textile strand package having a main body portion of strand wound in generally conical layers advancing in overlapped relation axially along the package, and a cross-wound end portion formed of the same strand wound in approximately cylindrical layers.

2,205,386
PRODUCTION OF METALS AND ALLOYS
Clarence W. Balke and Claire C. Balke, Highland Park, Ill., assignors to Fansteel Metallurgical Corporation, a corporation of New York
No Drawing. Application August 12, 1935, Serial No. 35,886. Renewed March 27, 1939
14 Claims. (Cl. 75—84)

1. The improvement in the art of producing refractory metal of the fourth and/or fifth groups which includes pressing, to the form of

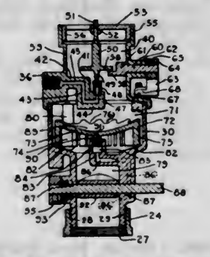
a coherent bar, a carbon-oxygen balanced powdered mixture of carbide and oxide of the metal being produced, furnace heating the bar to cause interaction of the carbide and oxide at a temperature below the temperature at which the oxide volatilizes as such, and then, after the reaction is largely completed, raising the temperature of the bar to a point below the melting point of the metal being produced to complete the reaction.

2,205,387
RECOVERY OF BISMUTH
Jesse O. Betterton and Yurii E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application August 28, 1939, Serial No. 292,252
10 Claims. (Cl. 75—70)



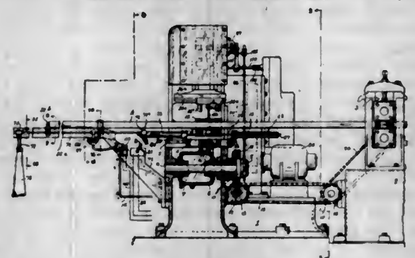
1. The process for treating an alkaline bismuthide-lead dross which comprises reacting same with water and classifying the resulting products according to bismuth and lead contents, respectively.

2,205,388
FUEL VAPORIZING APPARATUS FOR INTERNAL COMBUSTION ENGINES
Arthur J. Boatright and Albert T. Newman, Kansas City, Mo., assignors, by mesne assignments, to Economy Carburetor Incorporated, Kansas City, Kans.
Application March 6, 1937, Serial No. 129,437
5 Claims. (Cl. 261—41)



3. In a carburetor, an air inlet passage, an enlarged mixing chamber below said inlet passage into the top of which said passage leads, a fuel inlet nozzle mounted centrally in said passage in spaced relation to the walls thereof between the inlet end of said passage and said mixing chamber, said nozzle discharging upwardly directly into said passage longitudinally centrally thereof, an adjustable needle valve controlling the discharge of fuel from said nozzle, a fuel deflector member mounted centrally in said air inlet passage between the inlet end thereof and said nozzle, said deflector being substantially in longitudinal alignment with said nozzle and adjacent the same and spaced from the walls of said passage, means in the lower portion of said mixing chamber spaced from said nozzle for mixing said air and fuel, comprising a transverse baffle member having peripheral wall portions spaced from the walls of said chamber and having a plurality of deflecting fins on the under side thereof adjacent the periphery thereof, and an outlet passage smaller than said mixing chamber leading substantially centrally from the bottom of said mixing chamber under said baffle member, said mixing chamber having a sloping bottom wall surrounding said outlet passage and said fins extending in directions to direct the fuel mixture toward said outlet passage.

2,205,389
CUTOFF MECHANISM
Alexander Borzym, Detroit, Mich., assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio
Application March 4, 1938, Serial No. 193,957
22 Claims. (Cl. 164—49)

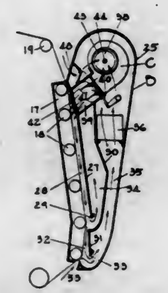


1. In apparatus of the class described, the combination of a table mounted to reciprocate parallel to the direction of feed of the work, a die mounted to slide on said table parallel to the direction in which said table reciprocates, yieldable connections between said die and table normally tending to maintain said die in a predetermined position relative thereto, means for feeding work to said die, means for reciprocating said table, a cutter having fixed relation with said die for movement therewith, means operatively connected to said cutter for moving it toward and from the work, a flag connected to said die and arranged to be engaged and moved by the work whereby said die and cutter move with the work relative to said table, and means controlled by the movement of said flag for operating said reciprocating means and said cutter moving means.

2,205,390
COPOLYMERS OF STYRENE AND 2-CHLOROALLYL ESTERS
Edgar C. Britton, Gerald H. Coleman, and John W. Zemba, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 10, 1938, Serial No. 213,022
15 Claims. (Cl. 260—80)

1. The process which comprises polymerizing a mixture of styrene and a 2-chloroallyl ester containing at least two ethylenic linkages.

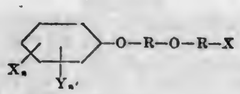
2,205,391
METHOD AND APPARATUS FOR DRYING PRINTED INK
William H. Brunkow, Oak Park, Ill.
Application March 8, 1937, Serial No. 129,744
5 Claims. (Cl. 34—48)



2. Apparatus for drying printed ink on a paper web comprising: a frame; rolls mounted on said frame for conveying said web; a casing mounted on said frame and having side walls forming a substantially airtight connection therewith, said casing forming with said paper web a substantially closed ink drying air passage, and said casing being provided with a fresh air inlet for supplying air to the passage; blower means having an inlet communicating with said fresh air inlet and being mounted in said casing adjacent the inlet to said passage for forcing air therethrough in contact with said paper web in a turbulent condition and for recycling portions of said air through said passage; a conduit connecting the blower outlet and the entrance to said passage; a second conduit connecting the outlet of said passage and the inlet of said blower; and suction means communicating with said passage adjacent the outlet thereof for withdrawing from the air which has passed through said passage a portion substantially equal to the fresh air introduced into the inlet of said passage.

2,205,392
(ALKYL-HALO-PHENOXY)-HALO-DIALKYL ETHERS
Gerald H. Coleman and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 17, 1938, Serial No. 225,414
9 Claims. (Cl. 260—613)

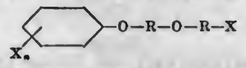
1. A compound having the formula



wherein each R represents an alkylene radical containing not more than 3 carbon atoms, each X represents halogen, Y represents an alkyl group containing not more than 6 carbon atoms, and n and n' are integers, the sum of which is not greater than 5.

2,205,393
(HALO-PHENOXY)-HALO-DIALKYL ETHERS
Gerald H. Coleman and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 17, 1938, Serial No. 225,415
8 Claims. (Cl. 260—613)

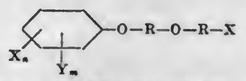
1. A compound having the formula



wherein each R represents an alkylene radical containing not more than 3 carbon atoms, each X represents halogen, and n represents an integer not greater than 5.

2,205,394
SPRAY COMPOSITION
Gerald H. Coleman and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 17, 1938, Serial No. 225,416
12 Claims. (Cl. 167—24)

4. An insecticidal spray comprising a petroleum distillate having dissolved therein as the principal toxic ingredient a compound having the formula



wherein each R represents an alkyl residue containing not more than 3 carbon atoms, each X represents halogen, Y represents a member of the group consisting of hydrogen and alkyl radicals containing not more than 6 carbon atoms, n is an integer not greater than 5, and m is an integer not greater than 2.

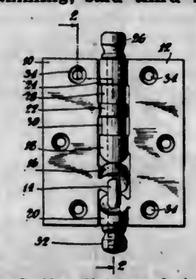
11. An insecticidal spray comprising a petroleum distillate solution of an extract of a pyrethrin-bearing plant, and as an additional toxicant and stabilizer therein beta-(2,4,6-trichlorophenoxy)-beta'-chloro-diethyl ether in amount ranging between 0.5 and 10 grams per 100 milliliters thereof.

2,205,395
2-CHLOROALLYL ETHERS OF PHENOLS
Gerald H. Coleman, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 25, 1938, Serial No. 242,281
9 Claims. (Cl. 260—612)

1. A 2-chloroallyl ether of a monohydric hydrocarbon-substituted phenol, said phenol containing at least 8 carbon atoms.

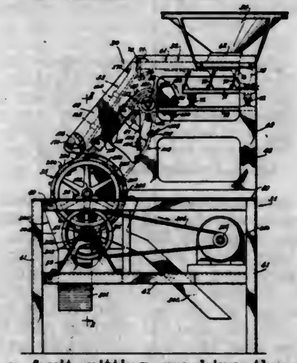
2,205,396
HINGE
Charles Colucci, New York, N. Y.
Application May 16, 1938, Serial No. 208,138
7 Claims. (Cl. 16—153)

1. A hinge adapted to operate as a right or left cam hinge comprising a pair of leaves, said leaves provided with knuckles joined by a pintle, a pair of said knuckles spaced apart on one leaf, the nearest end faces of said spaced knuckles having inclined cam surfaces, a third knuckle between said spaced pair having opposite end faces with inclined cam surfaces of similar slope respectively to the nearest cam surface of said spaced knuckles and adapted to cooperate therewith when camming, said third knuckle being



on the other leaf; the distance between said pair of spaced apart knuckles measured along a parallel to the hinge axis being substantially twice the cam rise of one set of cooperating cam surfaces plus the width of said intermediate knuckle.

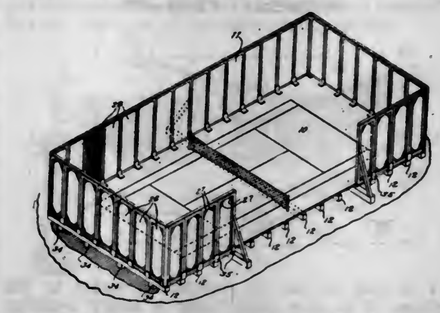
2,205,397
AUTOMATIC PITTING MACHINE
Edward P. Drake, Los Angeles, Calif., assignor to Lindsay Ripe Olive Company, Lindsay, Calif., a corporation
Application August 23, 1937, Serial No. 160,380
18 Claims. (Cl. 146—27)



5. In a fruit pitting machine the combination of: a continuously moving pit die mechanism, said mechanism including a shell having a fruit receiving pocket; a pit die in the bottom of said pocket; a plunger for ejecting a pit from said die; means for ejecting a piece of fruit from said pocket; a yieldable pit punch adapted to punch a pit from a piece of fruit in said pocket and force said pit into said die; means for retaining a pitted piece of fruit on said punch when said punch is withdrawn from said pocket; and means for actuating said punch and said pit and fruit ejecting means co-ordinately to pit said fruit and to eject from said pocket a piece of fruit which said punch has been unable to pit at the same time that a pit would have been ejected from said die had said piece of fruit been successfully pitted.

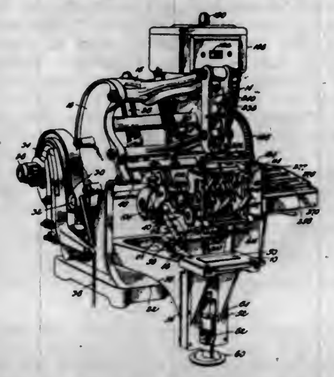
2,205,398
COURT
Henry B. Eaton, II, Scarsdale, N. Y., assignor to Church E. Gates and Company, New York, N. Y., a corporation of New York
Application February 20, 1935, Serial No. 7,327
7 Claims. (Cl. 20—1)

1. A portable playing court comprising support members spaced a distance greater than two and less than seven feet, separable deck members mounted thereon adapted to spring slightly between said support members under the step of a man, a vertical wall secured and braced on said support members and comprising vertical panels secured together and flush at their inner surfaces,



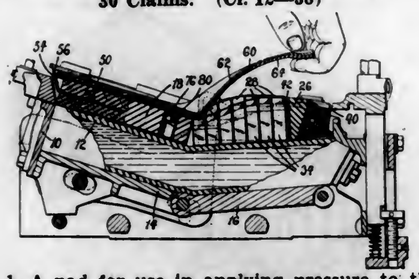
said panels comprising peripheral frames and wire netting stretched across the face of the frame and secured on the sides thereof, said netting being sufficiently small mesh and sufficiently tightly stretched so that a ball rebounds therefrom substantially along the plane of its incident flight as if rebounded from a rigid surface.

2,205,399
MARKING MACHINE
Charles E. Edwards, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 17, 1937, Serial No. 142,940
20 Claims. (Cl. 101—21)



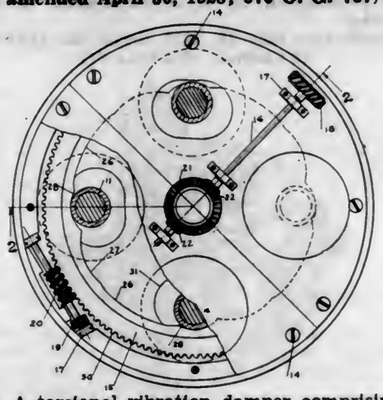
1. In a marking machine, a marking head, a marking head carrier for moving the marking head in a predetermined path from a fixed outer limit toward a fixed inner limit, power-operated means, a rigid member of predetermined length interconnecting the power-operated means and the marking head carrier arranged to move the carrier in one direction, said member being slidably mounted at one of its points of connection, a spring interposed between the power-operated means and the carrier for moving the carrier in a direction opposite to the movement caused by the rigid member, and means for adjusting the tension of the spring without changing the fixed outer limit of movement of the marking head.

2,205,400
PRESSURE-APPLYING PAD
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 1, 1937, Serial No. 134,364
In Great Britain November 17, 1936
30 Claims. (Cl. 12—38)



1. A pad for use in applying pressure to the bottom of a shoe comprising a single resilient forepart portion adapted to apply pressure to substantially the entire forepart of the sole of the shoe, a single resilient heel portion adapted to apply pressure to substantially the entire heel portion of the sole, and a shank portion divided into a plurality of sections.

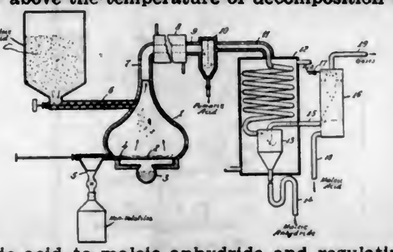
2,205,401
TORSIONAL VIBRATION DAMPER
William L. Fischer, Philadelphia, Pa.
Application May 13, 1939, Serial No. 273,450
30 Claims. (Cl. 74—604)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A torsional vibration damper comprising a shaft, a rigid mass linked to the shaft, said mass being free to swing like a pendulum and means to vary the ratio of fulcrum distance to pendulum length during rotation of said shaft to a selected ratio, said means including means for maintaining the selected ratio as desired.

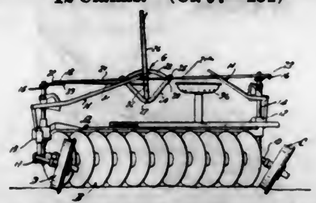
2,205,402
MANUFACTURE OF MALEIC ANHYDRIDE
Harold B. Foster and Joyce H. Crowell, Buffalo, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
Application January 13, 1937, Serial No. 120,381
11 Claims. (Cl. 260—343)

1. The method of thermally decomposing maleic acid to produce the anhydride thereof without formation of a substantial proportion of fumaric acid, which comprises feeding the maleic acid to a hot vaporizing medium maintained substantially above the temperature of decomposition of



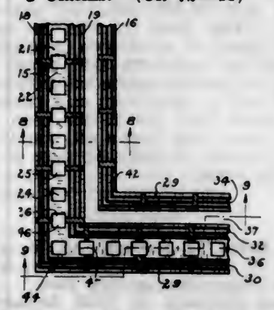
maleic acid to maleic anhydride and regulating the rate of feed so that no substantial accumulation of liquid phase maleic acid occurs in the vaporizing zone.

2,205,403
STEERING MECHANISM FOR AGRICULTURAL IMPLEMENTS
William R. Frank, Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application April 24, 1939, Serial No. 269,698
12 Claims. (Cl. 97—181)



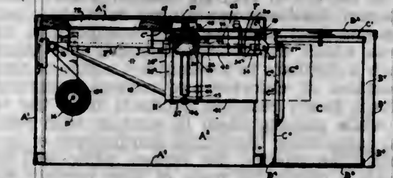
1. The combination with an implement including steerable wheels and steering members for the wheels, of means for adjusting the steering members comprising steering arms secured to the steering members, a tie member connected between the steering arms, and normally operable means carried by the tie member and connected with one steering arm for shifting said tie member endwise and effecting oscillatory adjustment of the said arms.

2,205,404
SWEATPROOF MASONRY WALL
Wayne C. Fuller, Seattle, Wash.
Application March 15, 1939, Serial No. 262,061
5 Claims. (Cl. 72—43)



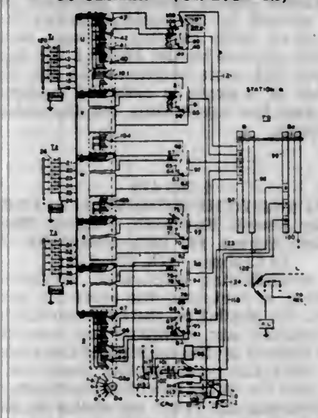
1. A building wall comprising a course of double-blocks each having a pair of spaced webs between their ends forming an intermediate cell, and half-cells at each end of the double block, a parallel course of single blocks spaced from the first course, an upper course of double blocks extending over a lower single course and also extending over an adjoining single row of the double blocks, an upper course of single blocks laid over the other lower single course, and mortar bonds between adjoining faces of the blocks.

2,205,405
MEANS FOR THE SANITARY DISPOSITION OF FECAL AND OTHER REFUSE MATERIALS
George Owens Harm, Warren, Ohio
Application July 28, 1938, Serial No. 221,780
25 Claims. (Cl. 4—124)



1. Mechanism for the sanitary handling and disposition of malodorous refuse comprising, in combination, means for supporting and positioning successive portions of an elongated strip of conveying and wrapping material in a form to constitute successive refuse-receiving pockets, said means being located externally of the said pockets, means for moving successive portions of the said material through the pocket-forming means, means located beyond the pocket-forming means for shaping the material into a continuous tubular package as it is so moved, and means for uniting the edges of said package.

2,205,406
MULTICHANNEL TELEGRAPH SYSTEM
Philo Holcomb, Jr., Malba, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application July 15, 1937, Serial No. 153,748
30 Claims. (Cl. 178—52)



1. In a communication system, a lane of traffic, a plurality of transmitting devices, means for operating a variable number of said devices to transmit over the lane of traffic and for dividing a predetermined part of the lane time between operating transmitting devices, said means including a sequencing device having a plurality of operative positions and connected to effect transmission from one of the transmitting devices in each of said positions, means for advancing said sequencing device from one position to another, and an auxiliary switch means for predetermining the transmitting device to be rendered operative in each position of said sequencing device.

2,205,407
WATCHCASE CONSTRUCTION
Leopold Hoffer, Cincinnati, Ohio
Application July 16, 1936, Serial No. 90,941
6 Claims. (Cl. 58—90)

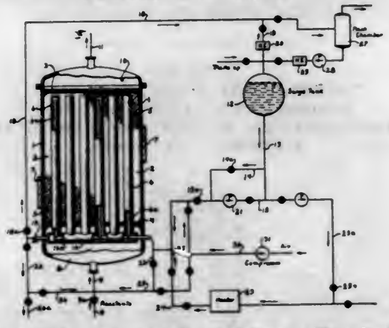


1. In a watchcase construction, in combination with a watchcase having an opening through which extends the stem of a watch movement mounted in the case, said opening being of greater diameter than the part of the stem therein, a support and sealing member comprising a cylindrical body portion extending through and frictionally held in said opening, with a central axial passage around which its walls are continuous from end to end, forming a bearing for the stem interiorly and a sealing contact with the case-opening edge exteriorly, said member also comprising a flange at the outer end of the support member having a bearing against the exterior surface of the case around said opening, the opposite end of said body portion being devoid of flange or other extension, permitting said support member to be inserted from the exterior of the case into said opening, said opening having such accurate concentricity with the stem that said support member, held in said opening due only to its frictional contact therein and said bearing of said flange against the case, operatively supports the stem and seals the watchcase therearound, for the purposes set forth.

2,205,408
FLUORESCENT HYDROCARBON OIL
Heinrich Hopff and Hans Schoenherr, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Original application August 9, 1938, Serial No. 223,828. Divided and this application May 29, 1939, Serial No. 276,447. In Germany August 26, 1937
5 Claims. (Cl. 87—9)

1. A fluorescent composition of matter comprising a hydrocarbon oil and a small percentage of a fluorescence-exhibiting condensation product obtained by heating an aromatic ketone having at least four condensed rings with an anhydrous halide of a metal selected from the group of zinc, beryllium and aluminium.

2,205,409
TEMPERATURE CONTROL OF CATALYTIC OPERATIONS
Eugène J. Houdry, Haverford, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application April 23, 1937, Serial No. 138,502
9 Claims. (Cl. 196—96)

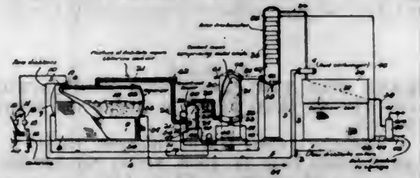


5. In the polymerization of low boiling hydrocarbons to produce higher boiling hydrocarbons within the gasoline boiling range in the presence of catalytic material adapted periodically to be regenerated in situ, the steps of process in controlling the temperature of the catalytic material which comprise passing said low boiling hydrocarbons through said mass while simultaneously passing heat exchange fluid through heat exchange passages distributed within said mass so as to maintain said mass at a desired reaction temperature below 700° F.; stopping the flow of hydrocarbon reactants to said mass after a period of operation on stream and increasing the temperature of said mass; then passing an oxygen-containing regenerating medium first through the aforesaid heat exchange passages and then through said mass so as to control the temperature of said mass during regeneration while suitably adjusting the temperature of said regenerating medium prior to its coming into contact with said mass; when regeneration of said mass is substantially complete, stopping the passage of regenerating medium into said mass and passing heat exchange fluid through said heat exchange passages to cool said mass down to a suitable temperature before again admitting the on-stream reactant.

2,205,410
PROCESS FOR TREATING HYDROCARBON OILS
Roscoe D. Howard, Tulsa, Okla., assignor, by mesne assignments, to Petroleum Research Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 25, 1936, Serial No. 70,800
10 Claims. (Cl. 196—28)

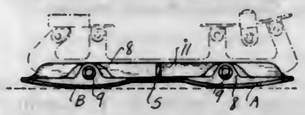
1. The process of refining crude mineral oil distillates that are relatively low-boiling and are contaminated with mercaptan sulphur compounds, which comprises mixing hot vapors of such a distillate with a small portion of a chlorinating agent prediluted with an oxygen-containing gas compatible therewith, contacting the resultant mixture with dechlorinating material containing zinc in oxidized form to dechlorinate and sweeten the vapors, and condensing a refined relatively low-boiling mineral oil distillate from the residual vapors.

2,205,411
PROCESS OF REFINING MINERAL OIL
Roscoe D. Howard, Tulsa, Okla., assignor, by mesne assignments, to Petroleum Research Corporation, Chicago, Ill., a corporation of Delaware
Application October 22, 1937, Serial No. 170,452
13 Claims. (Cl. 196—28)



1. In the art of refining relatively low-boiling petroleum distillates containing deleterious contaminants including sulphur compounds, the process which comprises subjecting hot vapors of such a distillate to the conjoint action of small proportions of chlorine and oxygen, separating resultant heavy reaction products from the vapors while passing them in contact with reflux liquid comprising condensed components of such vapors, then passing the vapors, while still hot, through a permeable mass of solid contact material comprising oxidized metal whereby to effect sweetening, and condensing a refined relatively low-boiling product from the treated vapors.

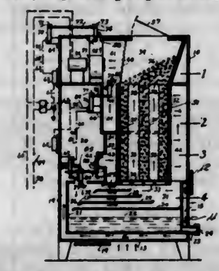
2,205,412
SKATE ATTACHMENT
Edward George Jahnke, U. S. S. Wyoming, New York, N. Y.
Application February 23, 1939, Serial No. 258,079
3 Claims. (Cl. 280—11.38)



1. A device of the character described, comprising an elongated plate having an upstanding rib approximately midway its width and extending the entire length thereof, upwardly extending lugs carried by the plate adjacent the ends thereof, screw bolts passing through said lugs, and a plate carried by the ends of the bolts approximately the same length as the rib, whereby the runner of a skate is clamped between said member and the upstanding rib throughout its entire length.

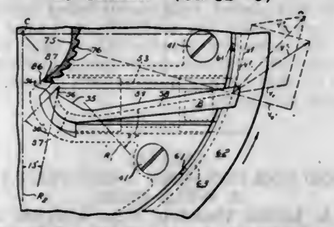
2,205,413
COOLING AND DEHUMIDIFYING APPARATUS
Hiram Joseph Kaufman, Detroit, Mich.
Application August 10, 1937, Serial No. 158,384
11 Claims. (Cl. 62—133)

5. Air conditioning apparatus, comprising in combination, a container for receiving pieces of ice, means for insulating the said container from the surrounding air, members for receiving the ice water formed by the melting of the said pieces of ice, a tank for receiving the waste ice water from the said ice water receiving members, means for withdrawing air from an enclosure and for flowing the air in contact with the said waste ice water receiving tank, means for flowing the air in contact with the said ice water and ice water receiving members, means for contacting a portion of the air flow with the said pieces of ice, means for contacting the other portion of the air flow with the said insulated ice container, means for varying the proportions of the two air



flows, means for mixing the two flows of air, means for returning the combined air flow to the said enclosure, and means for controlling the volume of air circulated.

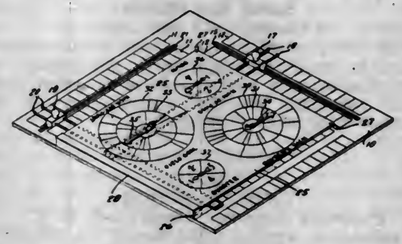
2,205,414
ABRADING APPARATUS
Walter L. Keefer, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application October 13, 1937, Serial No. 168,799
18 Claims. (Cl. 51—9)



1. In an abrading apparatus, a runner head mounted for rotation; an abrasive propelling blade mounted on said runner head; means for feeding a stream of abrasive downwardly over the inner end of said blade adjacent the axis of rotation of said runner head, the inner end of said blade having a comparatively short abrasive propelling surface inclining outwardly and rearwardly with respect to the direction of rotation of said runner head, and the outer portion of said blade having a comparatively long abrasive propelling surface inclining outwardly and forwardly with respect to the direction of rotation of said runner head, said long abrasive propelling surface being sufficiently inclined to a radius so that upon rotation of said runner head the abrasive is given an outward acceleration of requisite magnitude to cause it to be discharged in a predetermined direction from said runner head approximately 360 degrees from the point of feeding of said stream of abrasive to said blade.

2,205,415
FOOTBALL GAME
Clifford D. Keely, Bloomfield, and Otto H. Schwanemann, Jr., Newark, N. J.; said Schwanemann assignor to George Bartels, Jr., Teaneck, N. J.
Application December 23, 1937, Serial No. 181,260
3 Claims. (Cl. 273—94)

1. In a football game of the type having a representation of a football field, and of a football movable upon said field, a chart containing the results of selected plays, said results being arranged in ranks and files, each of said files terminating in an indicium denoting an offensive play, each of said ranks terminating in an indicium denoting a defensive play, an indicator movable to choose any one of said offensive indicia and extending across said ranks, an indicator movable to choose any one of said de-



fensive indicia and extending across said files, the intersection of said indicators upon a given result being that of the offensive play as affected by the defensive play, and a cover for said chart concealing in closed position said ranks and files of results but permitting a view of said indicia by the respective players.

2,205,416
COLORING WITH AZO DYES
Jean G. Kern, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 21, 1939, Serial No. 252,217
18 Claims. (Cl. 8—46)

1. A composition of matter comprising an intermediate adapted to form an insoluble azo dye by a coupling reaction and a soluble salt of a non-foaming acid alkyl ester of an inorganic polybasic acid, said acid alkyl ester consisting, on the one hand, of a radical of an inorganic polybasic acid in which at least one of the replaceable hydrogen atoms is present, and, on the other hand, of one or more organic radicals directly linked to the inorganic radical, said organic radicals being free from open-chain hydrocarbon radicals containing more than 8 carbon atoms.

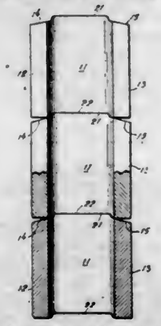
2,205,417
NITROSAMINE ADDITION PRODUCT
Jean G. Kern, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 5, 1933, Serial No. 688,194. Renewed October 6, 1937
29 Claims. (Cl. 8—45)

1. A stable dye product which comprises the reaction product of an aromatic nitrosamine having the general formula $Ar(NNO)Me$, where Ar represents the residue of a diazotizable amine of the benzene, naphthalene, anthracene, or carbazole series, and Me represents the residue of an organic or an inorganic base, with an alkali-metal salt of an acid ester having the formula $R_z—A—M_{n-z}$, wherein R is an alcohol residue containing not more than 5 carbon atoms in the alkyl nucleus, A represents the hydrogen-free radical of a polyhydroxy inorganic acid, n designates the number of replaceable acidic hydrogen atoms present in the polyhydroxy acid and has the value 2, 3, or 4, z represents an integer smaller than n, and M represents alkali-metal.

2,205,418
PROCESS FOR THE PREPARATION OF DICHLOROINDANTHRONE
Francis Knowles, Wilmington, Del., and William Hiram Lycan, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 28, 1939, Serial No. 270,508
2 Claims. (Cl. 260—265)

1. In the process for preparing dichloroindanthrone by direct chlorination of indanthrone in nitrobenzene as a solvent, the step which comprises carrying out the chlorination in the presence of iron as a catalyst.

2,205,419
CEMENT BLOCK
Frederick Kraemer, Brentwood, N. Y.
Application April 6, 1939, Serial No. 266,249
1 Claim. (Cl. 72—41)

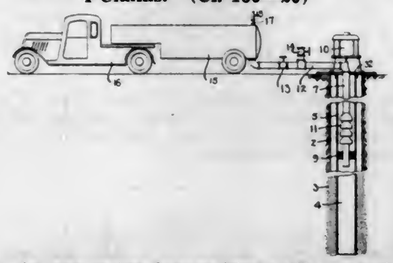


A building block comprising longitudinal side walls and a plurality of vertical transverse walls connecting said side-walls and providing a plurality of vertical air chambers in the block, these longitudinal side-walls having their bottoms formed with plain surfaces and their tops formed with outwardly and downwardly inclined surfaces, the vertical ends of said longitudinal side-walls having vertical bevels at one end, and having walls in planes perpendicular to the sides at the other end, the tops of the transverse vertical walls being elevated above the tops of the longitudinal side-walls to form transverse ribs, and the bottoms of said transverse vertical walls being upset to provide concavities similar to the protuberances on the tops thereof, whereby one block can be set on another block or blocks and definitely aligned without mortar by engaging the protuberances on the tops of the vertical transverse walls with the recesses formed in the bottoms of said vertical transverse walls, and the blocks may be completely sealed together to form unitary side walls after positioning on one another by applying mortar from the outside in the crevice formed around the entire periphery of each side of each block.

2,205,420
SAFETY GLASS
Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 17, 1937, Serial No. 148,737
23 Claims. (Cl. 49—92)

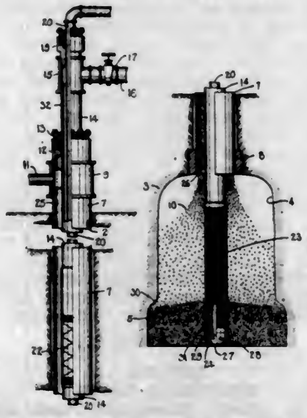
13. Safety glass including in combination a plurality of sheets of glass bonded together through the medium of a layer of plastic composition comprising a vinyl acetal resin and, as a modifying agent therefor, a neutral alkyl ester of an acid selected from the group consisting of diglycollic acid and thiodiglycollic acid.

2,205,421
MEANS AND METHOD OF TREATING WELLS
Leslie A. Layne, Houston, Tex., assignor to The Texas Company, a corporation of Delaware
Application October 20, 1936, Serial No. 106,610
4 Claims. (Cl. 166—20)



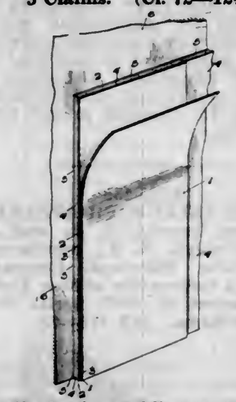
1. An apparatus for washing wells comprising in combination with the well and a pump therefor of a pressure tank, piping connecting the well through said pump to said tank, a discharge valve in said piping, said pump being adapted to pump liquid from the well into said tank to increase the pressure therein when said valve is closed whereby the volume of liquid and pressure of fluid in said tank will surge into the well when the pump is stopped.

2,205,422
METHOD FOR FORMING A GRAVEL PACK IN A WELL BORE
Leslie A. Layne, Houston, Tex., assignor to The Texas Company, a corporation of Delaware
Application December 23, 1938, Serial No. 247,400
5 Claims. (Cl. 166—21)



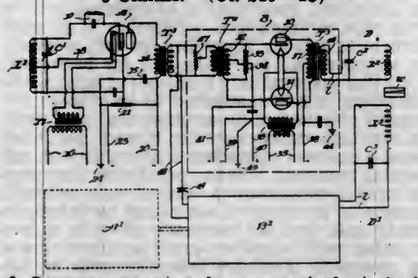
1. A method of depositing granular material about a strainer in a well cavity including the steps of inserting a production string of pipe and a strainer in the well bore, providing a wash line of pipe inside of said strainer and production pipe, introducing granular material and a carrier liquid into the bore about the production string of pipe, introducing a flow of liquid into the wash line to discharge from the bottom of the strainer, so proportioning the size of the wash pipe relative to the inside diameter of the strainer such that there will be a lesser resistance to flow of the wash pipe liquid upwardly thru the gravel than upwardly inside of the strainer around the wash pipe so that both the carrier liquid and the wash pipe liquid will enter the strainer adjacent the top thereof so that the stagnant area of liquid in the cavity will be adjacent the top of the granular deposit and the deposited gravel will be agitated and washed by the upward flow of wash pipe liquid.

2,205,423
COVERING OR FINISH
Victor Lefebure, London, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application December 7, 1937, Serial No. 178,626
In Great Britain December 18, 1936
5 Claims. (Cl. 72—124)



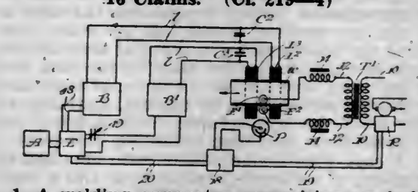
1. A method of providing a surface with a preformed outer layer or finish comprising affixing to the surface a preformed composite comprising a mineral core having a preformed finish and at least one outer covering of fibrous material bonded to and protecting said finish, there being a zone of potential weakness adjacent to and coextensive with at least one surface of said fibrous material, and then removing the said protective covering.

2,205,424
INDUCTION APPARATUS
Samuel E. Leonard, Jr., Cleveland, Ohio
Application April 8, 1937, Serial No. 135,800
6 Claims. (Cl. 219—13)



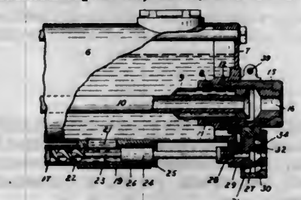
6. In an apparatus for successively inducing heat in rapidly moving bodies of work of known reactance, a power amplifier including a vacuum tube circuit for generating alternating currents of high frequency, a frequency determining oscillator comprising an oscillating circuit coupled with said power amplifier for imposing a desired frequency thereon, an oscillating work application circuit coupled with said power amplifier having reactance means including a tuned coil and condenser which receives the high frequency currents from said power amplifier, said coil producing a field through which successive bodies of the work move at high speed, means for tuning the oscillating circuit of said frequency determining oscillator so that said work application circuit is placed in resonance therewith by each body of the work of known reactance as it moves through the field of said coil, said vacuum tube circuit having means to prevent changes of frequency of the oscillating circuit of said frequency determining oscillator as the bodies of work enter and leave the field of said coil.

2,205,425
APPARATUS FOR WELDING
Samuel E. Leonard, Jr., Cleveland, Ohio
Application July 7, 1937, Serial No. 152,418
16 Claims. (Cl. 219—4)



1. A welding apparatus comprising an induction circuit including an induction coil, means for generating alternating currents of high frequency and for supplying the same to said coil, said coil producing a field in which the work is disposed, said field serving to bring the work to a high temperature and increase its resistivity, auxiliary welding means for performing the welding operation after the work is prepared by the field of said coil, and automatically operable control means responsive to the heat induced in the work for varying the intensity of the field produced by said coil to supplement the heat produced by said auxiliary welding means to maintain a uniform weld.

2,205,426
MACHINE GUN
John L. Lochhead, Springfield, Mass.
Application March 2, 1938, Serial No. 193,534
4 Claims. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine gun, a support, a jacket carried by the support and having fluid communication with the support, a gun barrel passing through the jacket and slidably mounted in the front of the jacket and in the support, a recoil check on the front of the jacket and having a

gas port, a container carried by the support and having fluid communication therewith, a casing on the jacket, a tube between the container and casing, a fluid passage in the tube, casing and jacket, a bracket on the recoil check and having a gas port aligned with the gas port of the recoil check, a shaft mounted in the bracket and in the casing, a screw propeller on the shaft and disposed in the tube, and a blade propeller on the shaft disposed in the bracket and adapted to be driven by gases passing through the gas ports.

2,205,427
PHENOL-UREA RESIN AND METHOD OF MAKING SAME
Karl Loos, Lancaster, Pa.
No Drawing. Application March 13, 1937, Serial No. 130,786
27 Claims. (Cl. 260—45)

1. The method of producing cast, machinable resins which comprises partially condensing a phenol and formaldehyde in the presence of an alkaline reacting catalyst, separately partially condensing a urea and formaldehyde in the presence of an alkaline reacting catalyst, mixing the two condensates, further condensing the mass in the alkaline medium, acidifying the mass, continuing the condensation in the acid medium, the degree of reaction in the alkaline medium and the degree of acidification being so related that the resin separates out on cooling, distilling off water from the hydrophobic resin, casting the still liquid resin, and then hardening the mass.

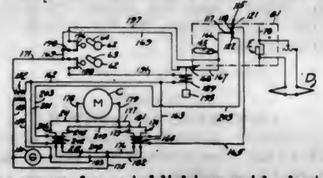
6. A cast, tough, machinable resin obtained by the mixing of a phenol-formaldehyde and a urea-formaldehyde condensate each produced separately, prior to the mixing, under alkaline conditions followed by final condensation of the mixture under acid conditions, said resin being white in color due to the dispersion therein of microscopic particles of water.

2,205,428
MOISTUREPROOFING
James A. Mitchell, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 15, 1937, Serial No. 153,814
18 Claims. (Cl. 91—68)

1. A moistureproofing composition suitable for use in moistureproofing non-fibrous transparent cellulosic sheets or films comprising a wax and a volatile organic solvent soluble sulfurized organic material taken from the class consisting of sulfurized unsaturated oils, sulfurized unsaturated acids, sulfurized unsaturated natural resins, and sulfurized unsaturated synthetic resins, there being sufficient wax to give moistureproofness and sufficient sulfurized material to avoid haziness.

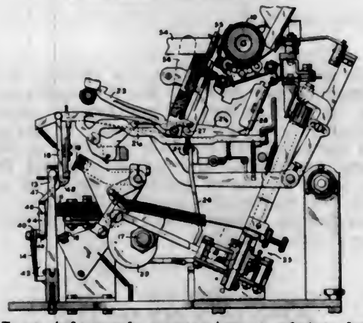
2,205,429
TEMPERATURE CONTROL MECHANISM
John H. Murch, East Orange, and William Pechy, Elizabeth, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 24, 1936, Serial No. 65,488
8 Claims. (Cl. 236—20)

2. A temperature control mechanism for maintaining a substantially constant temperature in heat treating machines, comprising in combination means for supplying heat to a machine, a heat regulator through which the heat is supplied, electric means connected with suitable electric circuits for operating said heat regulator, thermo-electric instrumentalities for gauging a change of temperature in the machine, means constantly cooperating with and controlled by said thermo-electric instrumentalities and comprising a galvanometer needle and stepped detector elements selectively engageable



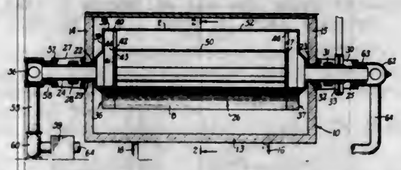
with the same for establishing said electric circuits to cause operation of said electric means in accordance with the changing temperature in the machine, a time relay cooperating with said electric circuits for maintaining said electric means inoperative for a predetermined period of time after an adjustment of said heat regulator to permit said adjustment to become effective, and devices in said circuits and operable by said electric means for insuring proper functioning of said time relay.

2,205,430
PRINTING TELEGRAPH APPARATUS
Paul A. Noxon, Tenafly, N. J., and James I. Mitchell, Brooklyn, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 13, 1937, Serial No. 158,848
3 Claims. (Cl. 178—25)



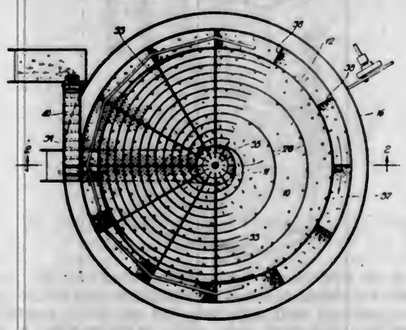
1. In a telegraph apparatus, a platen having shift and unshift positions, a selector mechanism comprising a set of notched permutation members selectively positioned in accordance with received code combinations, a plurality of pivotable members selectively controlled by said permutation members, an operating bail for performing all printing and auxiliary functions of said printer, a plurality of hooks adapted to be pivoted into the path of said bail by associated of said pivotable members on the operation thereof, said hooks having a one way operating connection with said pivotable members, means operable by the operation of a predetermined one of said pivotable members in pivoting its associated hook into the path of said bail for normally pivoting a hook associated with another predetermined one of said pivotable members into the path of said bail, and means controlled by the position of said platen for preventing the operation of said last mentioned means.

2,205,431
HEAT EXCHANGE APPARATUS
Oscar A. Olson, Jr., Scarsdale, N. Y.
Application August 3, 1937, Serial No. 157,089
15 Claims. (Cl. 257—79)



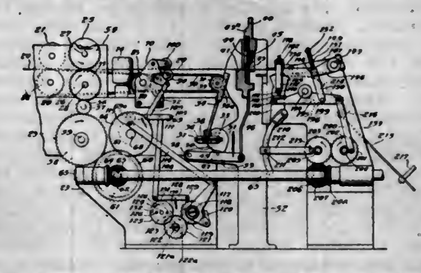
3. In apparatus of the character described, in combination, a container having mounted therein a plurality of rotors with means rotatably supporting said rotors for rotation about respective axes spaced from each other, said rotors being hollow and having connections for passing through them a fluid medium between which and the contents of said container heat exchange is to take place, said rotors having external configurations that provide in the surface of each a plurality of axially extending and radially projecting portions that alternate with reentrant portions to provide spaces between adjacent projecting portions, and means for driving adjacent rotors in opposite directions about their respective axes thereby to cause adjacent projecting portions of adjacent rotors to move in the same direction through the plane joining the axes of rotation of said adjacent rotors, thereby to cause said adjacent projecting portions to effect a movement in the said direction of the contents in said container.

2,205,432
METHOD AND APPARATUS FOR SEPARATING SOLIDS OF DIFFERENT GRAVITIES
Frank Pardee, Hazleton, Pa., assignor to Anthracite Separator Company, Hazleton, Pa., a corporation of Pennsylvania
Application June 20, 1939, Serial No. 280,025
8 Claims. (Cl. 209—456)



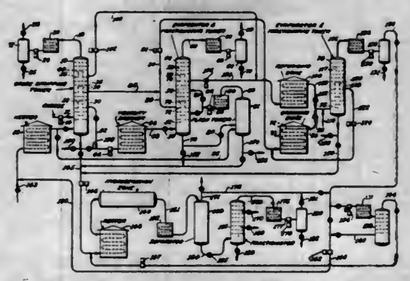
1. Apparatus of the type described which comprises a conical perforate plate having a central discharge opening and a peripheral discharge edge, a scraper extending spirally on said conical plate and rotatable to move material upwardly of said surface, means to supply material to be separated to said plate, means to circulate a buoying fluid through said plate to buoy lighter material over said scraper and downwardly over said surface and spiral members above said surface and spaced therefrom sufficiently to permit the passage of buoyant fluid and buoyed particles thereunder.

2,205,433
SHEET ASSEMBLING APPARATUS
Christian Paulsen, Clifton, N. J., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application September 20, 1939, Serial No. 295,725
19 Claims. (Cl. 93—1)



1. A machine of the character described adapted to produce units of sheets wherein each sheet overlapped with respect to the adjacent sheets and wherein the several sheets are temporarily secured together, said machine comprising a web advancing means, adhesive applying means adapted to apply adhesive at spaced intervals to said web, a cutting device adapted to cut the web into sheets of the desired size, and means receiving the cut sheets from said cutting device, said last named means being operable to move the sheets away from the cutting device step by step whereby succeeding sheets are overlapped with previously cut sheets.

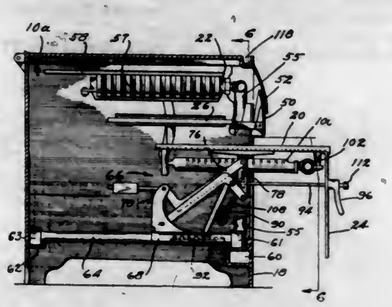
2,205,434
TREATMENT OF HYDROCARBON OILS
Edward D. Phinney, Mount Vernon, N. Y., assignor to Process Management Company Inc., a corporation of Delaware
Application November 30, 1937, Serial No. 177,197
3 Claims. (Cl. 196—49)



1. A method of converting higher boiling hydrocarbons into lower boiling hydrocarbons which comprises intimately contacting a heavy petroleum charging stock with hot pyrolyzed gases introduced into the bottom portion of a stripping zone to separate vaporizable constituents in the heavy oil from a heavy asphaltic residue, fractionating the vapors in said stripping zone to separate fractions comprising heavy gas oil, light gas oil and heavy naphtha, passing heavy gas oil so obtained through a viscosity breaking zone wherein it is subjected to viscosity breaking conditions of temperature and pressure to effect conversion into a high yield of lower boiling gas oil constituents suitable for further cracking to produce gasoline constituents, separating the products from the viscosity breaking

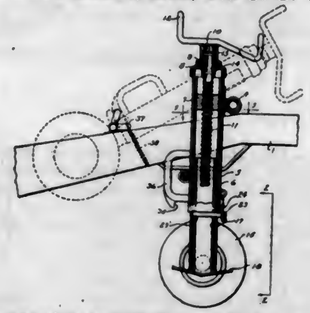
zone into vapors and liquid residue, fractionating the vapors in a separate fractionating zone to separate a light gas oil from a heavy naphtha fraction, combining the light gas oils and passing the mixture through a gas oil cracking zone wherein the mixture is maintained at cracking conditions of temperature and pressure to effect conversion into gasoline constituents, passing the resultant cracked products to a separating zone to separate vapors from liquid residue, combining the heavy naphtha fractions and passing such mixture through a reforming zone wherein the mixture is maintained under cracking conditions of temperature and pressure adequate to effect the reforming of the gasoline constituents, passing the resultant cracked and reformed products to said separating zone to separate vapors from residue, fractionating the vapors from said separating zone to form a gaseous fraction, a light distillate having the desired boiling range and a higher boiling condensate oil, directing said condensate oil to said gas oil cracking zone, treating said gaseous fraction to separate light gases containing hydrogen from heavier hydrocarbons comprising ethane, propane and butane, subjecting said heavier hydrocarbons to high temperature and superatmospheric pressure conditions to pyrolyze them and directing the resultant hot pyrolyzed gases into said stripping zone for intimately contacting the heavy petroleum charging stock therein.

2,205,435
BROILER
Irvin H. Raber, Los Angeles, Calif., assignor, by mesne assignments, to Irwin Corporation, Los Angeles, Calif.
Application October 23, 1936, Serial No. 107,141
10 Claims. (Cl. 126—41)



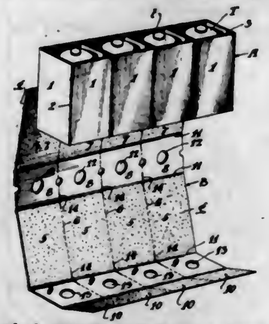
5. In a broiler having an oven portion, in combination, a movable grill plate adapted to be heated with burners adjacent the upper and lower surfaces thereof, one of said burners being stationary, the other of said burners being dependent upon and movable with said grill plate, a base, means whereby said grill plate and associated burner may be slidably moved upon said base in and out of said oven, arms, said arms being hingedly secured upon said base and connected to said grill plate whereby the same may be raised and lowered, a pawl to support said grill plate in a given position of elevation, finger pressed means to force disengagement of said pawl to lower said grill plate, said arms being of unequal length when in raised position to variably incline said grill plate from zero inclination when in lowermost position to a maximum inclination when raised to uppermost position.

2,205,436
VEHICLE SUPPORT ASSEMBLY
William H. Richards, Dayton, Ohio
Application August 21, 1939, Serial No. 291,202
10 Claims. (Cl. 254—86)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A support assembly for a vehicle comprising relatively movable members, one of which is attached to said vehicle and the other of which has mounted thereon a support engaging wheel, means for causing relative movement between said members, and a non-rotatable supporting member adjustably associated with said one member, whereby said wheel-carrying member and said non-rotatable supporting member are selectively adjustable to vehicle supporting position.

2,205,437
MERCHANDISING PACKAGE
William A. Ringler, Wayne, Pa., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application September 21, 1935, Serial No. 41,526
8 Claims. (Cl. 206—56)

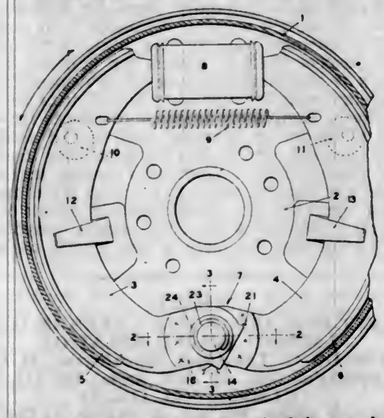


4. A sealed merchandising package for separate vendable articles including a protective shell for each of said articles, and an outer container having enclosing side walls surrounding a plurality of said article containing shells, each of said shells having enclosing side walls and open ends with the open ends disposed in abutting relation to two opposite enclosing side walls of said outer container, means for fixedly securing said shells to said outer container which cannot be released without leaving visible evidence of tampering, said outer container having lines of separation substantially coincident with the lines of division between said inner shells whereby said outer container may be broken and separated into separate vendable segments each containing an article sealed therein, each of said lines of separation comprising a line of small perforations having a long cut line so interposed as to extend over a corner portion of said outer container whereby segment separation may be readily initiated and effected.

2,205,438
ADHESIVE ABRASIVE COMPOSITION
Henry O. Richter, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application February 25, 1936, Serial No. 65,662
1 Claim. (Cl. 51—280)

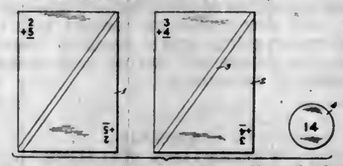
A composition of matter comprising an emulsion of asphalt and water carrying grains of abrasive of the group consisting of crystalline alumina and the abrasive metal carbides and wherein said ingredients are so proportioned that the mixture consists substantially solely of abrasive grains suspended in a bond consisting substantially of an asphalt emulsion and has a low viscosity and the consistency of a brushing paint and so is capable of application to a surface by means of a paint brush.

2,205,439
BRAKE SHOE MOUNTING
Steve Schnell, Overland, and Burns Dick, Ferguson, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 14, 1939, Serial No. 279,099
10 Claims. (Cl. 188—79.5)



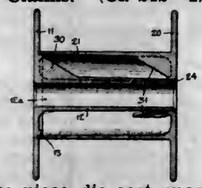
1. In braking apparatus embodying a brake drum, a friction element and a support for the friction element, means for mounting one end of the friction element on the support and permitting its automatic adjustment toward the drum, said means comprising a member mounted on the support for pivotal movement only and provided with a flat abutment surface, means at the end of the friction element providing a flat abutment surface for engaging the flat abutment surface on the member, said abutment surfaces permitting the element to move toward the drum relative to the member by force effective on the element during brake application when the brake lining thickness at the end of the element wears, and cooperating means between the element and the member for establishing a frictional engagement between the flat abutment surfaces for maintaining said surfaces in adjusted position.

2,205,440
EDUCATIONAL GAME
Mark J. Schoenberg and Harry Maximon, New York, N. Y.
Application September 20, 1938, Serial No. 230,762
2 Claims. (Cl. 35—31)



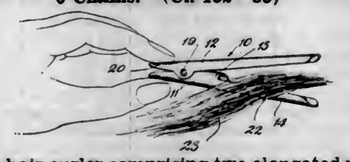
1. A game comprising a plurality of elements bearing dissimilar mathematical problems, a plurality of solution members each bearing a value representing the answer to a mathematical problem based upon the answers to problems appearing on at least two of said elements.

2,205,441
SPOOL
David S. Starring, Greens Farms, and Arthur Slepian, Trumbull, Conn., assignors to Wheeler Insulated Wire Company, Bridgeport, Conn., a corporation of Connecticut
Application January 30, 1939, Serial No. 253,520
6 Claims. (Cl. 242—123)



1. In a two-piece die-cast spool, one of said pieces being die-cast to form an end flange with a rigid integral central tube extending from one face thereof and a barrel-receiving means in said face, said flange and tube having an arbor-receiving bore therethrough, and the other of said pieces being die-cast to form a second end flange having a rigid integral barrel portion extending therefrom to form a continuous unbroken surface with said flange, said barrel being concentric with the tube and extending into the barrel-receiving means of the first-mentioned flange when the pieces are assembled so as to provide a continuing support for the material on the barrel, said second flange having an opening to receive the end of the tube; and means for interlocking parts of the two pieces together to hold the pieces in assembled relation.

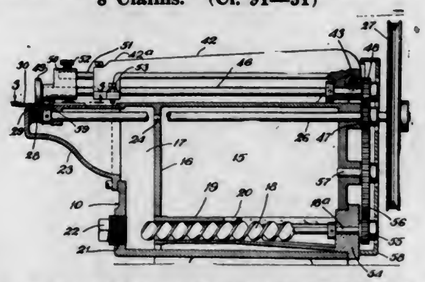
2,205,442
HAIR CURLER
Nathan L. Solomon, Mount Vernon, N. Y.
Application November 30, 1937, Serial No. 177,177
6 Claims. (Cl. 132—33)



6. A hair curler comprising two elongated members substantially semi-circular in cross section, said members having end portions formed to provide operating handles, one of said members ad-

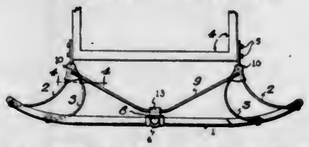
jacent to its operating handle being constructed to provide an elongated brace sleeve, means for pivotally connecting the members one to the other at a point rearwardly of but closely adjacent to the brace sleeve, contact of the second member with the brace sleeve limiting the extent of movement of the members one toward the other, said sleeve when in contact with the second member being snugly received therein, and means for constantly urging said members to said limit of movement.

2,205,443
CEMENTING MACHINE
Alexander Soltan, Elmhurst, N. Y., assignor of one-half to Percy W. Valentine, Brooklyn, N. Y.
Application September 30, 1938, Serial No. 232,553
8 Claims. (Cl. 91—51)



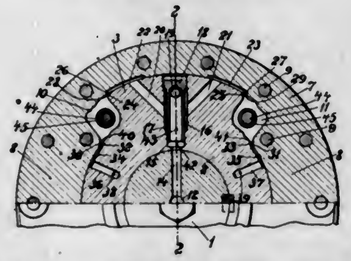
1. In a machine for applying a deposit of fluid material upon the surface of a workpiece at one edge thereof, a pair of feed rollers between which a workpiece is adapted to be placed, means on one roller forming thereof an applicator for applying a fluid to the surface of the workpiece engaged thereby, means supporting the other roller in tensional engagement with the workpiece where engaged by the first named roller to support the same in firm engagement with the latter, guiding means cooperating with the peripheral edge of the workpiece in the feed of the workpiece through the machine by said rollers to maintain the lay of the fluid upon one surface of the workpiece by said first named applicator roller in parallelism to said edge of the workpiece, said last named means comprising a pair of freely rotating rollers engaging the edge of the workpiece in close proximity to said feed rollers, and means for independently adjusting each of said guide rollers longitudinally and transversely with respect to the normal path of feed of a workpiece between said feed rollers.

2,205,444
AUXILIARY BUMPER FOR MOTOR VEHICLES
William A. Taylor, Detroit, Mich.
Application July 1, 1937, Serial No. 151,468
16 Claims. (Cl. 293—55)



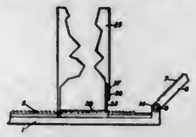
1. In an auxiliary bumper for a motor vehicle, the combination with the frame of such vehicle, a bumper carried by the frame and having a face bar, and a guard member upstanding from the face bar and having a free upper end portion, of an auxiliary bumper mounted on and forwardly projecting from the frame and spaced from the upper portion of the guard member in the direction of normal impact, and engageable by the guard, upon deflection thereof toward the frame, to limit such deflection, and a member extending downwardly from the impact portion of the auxiliary bumper and having its lowermost portion secured to the face bar.

2,205,445
TORSIONAL VIBRATION DAMPER
Edvin Ossian Parcival Thege, Stockholm, Sweden, assignor to Aktiebolaget Atlas-Diesel, Stockholm, Sweden
Application July 18, 1938, Serial No. 219,698
In Sweden January 29, 1938
16 Claims. (Cl. 74—574)



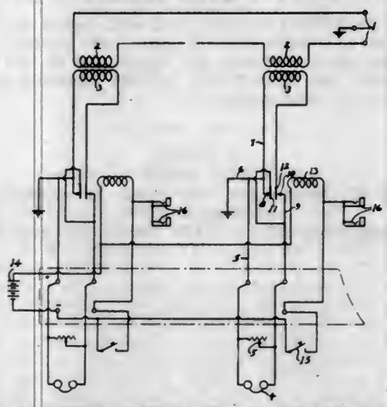
1. A torsional vibration damper comprising a rotatable and torsionally vibratory member, at least one inertia member rotatable with said vibratory member and having limited movement with respect thereto, means for limiting movements of said inertia member with respect to said vibratory member including liquid cushions substantially completely trapped in spaces between said members in terminal positions of said inertia member, and means for admitting liquid to and discharging it from said spaces including inlets and outlets, respectively, said latter means being operative to simultaneously admit liquid to and discharge it from the spaces temporarily not exposed to the force of the inertia member.

2,205,446
MEANS FOR ARRANGING CARDS IN OVERLAPPING SPACED RELATION
Leonard G. Townsend, Washington, D. C.
Application May 25, 1938, Serial No. 211,281
9 Claims. (Cl. 129—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. In a device for spreading cards in overlapping relation to leave an indicia bearing margin of each card exposed, the combination of a series of obstructing edges spaced in a substantially fixed relation to each other substantially corresponding to the widths of the indicia bearing margins to be exposed, a holder for a stack of cards, and means for successively effecting individual engagement between a different obstructing edge and only one card in the holder for displacing said card from the stack to expose the indicia bearing margin of said card.

2,205,447
MULTIPLE OUTLET SYSTEM FOR AUDIO FREQUENCIES
Clarence R. Wallace and Richard Burgess, United States Marine Corps
Application August 23, 1938, Serial No. 226,276
8 Claims. (Cl. 179—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A multiple outlet audio energy system, comprising an audio energy supply circuit including a plurality of air core transformer primaries in series, a secondary inefficiently coupled to each primary, a fixed relay contact connected to one terminal of each said secondary and a movable relay contact connected to the other terminal thereof, means to ground each said fixed contact, a sound translating device connected at one side to said fixed contact, a second fixed contact disposed to coact with said movable contact connected to the other side of said device, a second movable relay contact disposed to coact with the first said fixed contact and connected to said second fixed contact, said second movable contact being normally in circuit closing relation with the coacting fixed contact to ground said device and said one side of said secondary, a relay coil disposed to break the circuit at said second movable contact and close the circuit through said secondary and said device at said first movable contact when energized, means including a switch to energize each said relay coil, jack means connected to each relay coil to permit selectively connecting said relay coils together in a desired combination controlling more than one relay coil by one said switch, and an adjustable resistance across each said device.

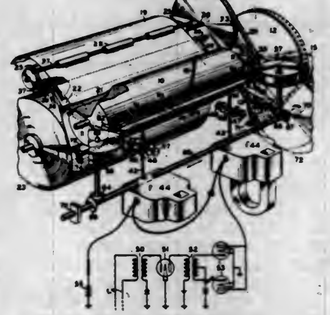
2,205,448
ISOMER OF CHOLESTEROL AND PROCESS FOR PRODUCING THE SAME
Everett S. Wallis, Princeton, and Erhard Fernholz, Elizabeth, N. J., assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application January 16, 1937, Serial No. 120,880
7 Claims. (Cl. 260—397)

1. The product of reaction between cholesteryl-p-toluene sulfonate and anhydrous potassium acetate in acetic anhydride.

2,205,449
TREATING VINYLIDENE CHLORIDE POLYMERS
Ralph M. Wiley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 4, 1938, Serial No. 193,917
2 Claims. (Cl. 18—48)

1. The method which includes immersing a shaped article of polymeric or co-polymeric vinylidene chloride in a bath of a non-solvent liquid which is at a temperature above the softening point but below the decomposition point of the said article, thereby heating the article to its softening point, removing the article from the bath when it has reached the softening point, and rapidly cooling the article to room temperature, the so treated product having a tensile strength substantially greater than that of the untreated article.

2,205,450
METHOD OF AND APPARATUS FOR RECORDING SIGNALS ELECTRICALLY
Raleigh J. Wise, Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application June 29, 1938, Serial No. 216,455
18 Claims. (Cl. 178—11)

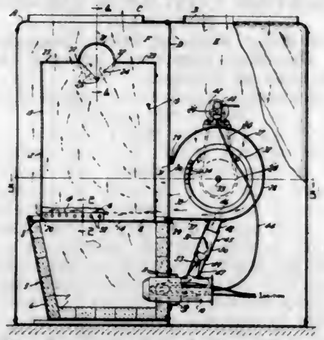


15. In a facsimile recorder the combination of a scanner including a rotatable transfer wheel and means movably to support a record receiving surface in contact with said transfer wheel, means to cause said wheel to scan said record receiving surface and inking means to supply ink to said transfer wheel in accordance with signals for transfer to said recording surface.

2,205,451
FURNACE CONSTRUCTION
Horace E. Woolery, St. Paul, Minn.
Application May 31, 1938, Serial No. 210,903
3 Claims. (Cl. 126—110)

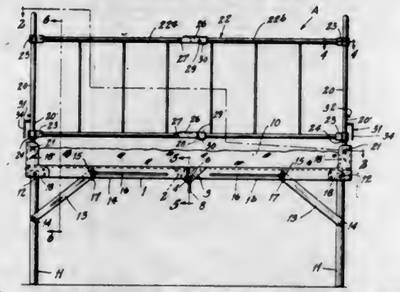
1. A heating furnace comprising a heating means, a radiator having vertically extended fire channels and air channels, the said fire channels communicating with the heating means, smoke outlet means at the upper ends of the fire channels, a back plate on the radiator and having openings at its lower portion communicating with the air channels, the opposite frontal side of the air channels being open, said channels having outlets at their upper ends, and means for circulating air through the open sides of the air

channels and causing a part of said air to move



along the lower ends of the channels and through the said openings.

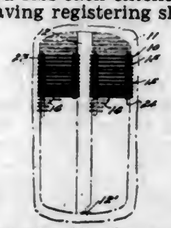
2,205,452
FOLDING CRIB
Erasmus T. Wright, St. Louis, Mo.
Application October 20, 1937, Serial No. 170,097
3 Claims. (Cl. 5—99)



1. A folding crib comprising a main frame composed of a pair of main frame sections, means for hinging said main frame sections together at the approximate longitudinal center of the main frame, foldable legs associated with said main frame, end members pivotally connected to said main frame and adapted to be moved to folded positions with respect to said main frame, side members, said side members comprising each a pair of side sections swingingly supported by said end members, hinge members for swingingly attaching the side sections of said side members to said end members, each end member having a pair of side sections swingingly connected thereto, one of said side sections being located at one side of the end member and the other side section being located at the opposite side of said end member, said hinge members being or shaped as to permit of said side sections being moved into folded relation with respect to the associated end member where the end member is disposed between the folded side sections, and releasable means for connecting together the side sections of each side member when the crib is in its assembled condition.

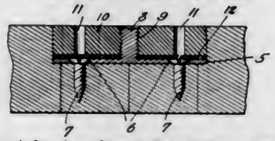
2,205,453
RADIATOR GRILLE
Elmer G. Zeeb, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 20, 1938, Serial No. 214,661
11 Claims. (Cl. 293—54)

1. A grille-like structure comprising a plurality of spaced ribs each having outwardly extending projections on their opposite end portions, a pair of interfitting angle bars adjacent the opposite ends of said ribs each extending transversely thereof and having registering slots for receiving



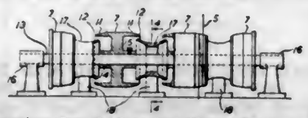
said projections of said ribs, and means for securing the angle bars of each pair thereof together and for urging one closed end of the slot in each bar respectively against opposite edge portions of said projections.

2,205,454
PIN SPOT
Emil W. Achenbach and John A. Achenbach, Muskegon, Mich.
Application May 4, 1939, Serial No. 271,784
1 Claim. (Cl. 273—52)



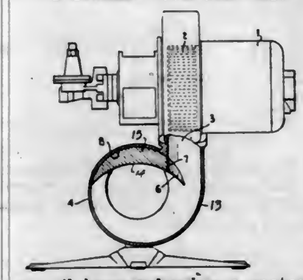
A pin spot for bowling alleys, comprising a disk-like member having screw openings, and adapted to be fitted in an opening of a bowling alley, a threaded stud rising from the center of the disk-like member, a disk-like spot member having a central threaded opening and constructed of wear-resisting material, positioned on the base member, said stud extending into the threaded opening, securing the spot member to the base member, a spacing disk disposed between the base member and spot member elevating the spot member with respect to the base member, said stud being shorter than the depth of the opening in which the base member is positioned, whereby said spot member may be planed flush with the surface of the bowling alley.

2,205,455
TEXTILE APPARATUS
Charles Wesley Addy, Reginald Henry John Riley, and Reginald John Grinnell, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application December 2, 1936, Serial No. 113,782
In Great Britain December 24, 1935
7 Claims. (Cl. 18—8)



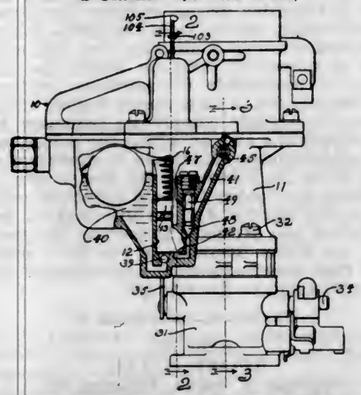
1. Apparatus for delivering threads, comprising a source of supply of the thread, a rotatable shaft, a feed roller secured to said shaft and a stationary tubular waste support having one diameter smaller than the diameter of the feed roller, which support is disposed about said shaft adjacent the end of the feed roller so that waste can be slid from the feed roller on to the support.

2,205,456
DEFLECTOR FOR CLOSE COUPLED OIL BURNERS
Robert F. Andler, Rutherford, and Louis W. Schroeder, Passaic, N. J., assignors to Electrol Incorporated, Clifton, N. J., a corporation of Delaware
Application July 20, 1937, Serial No. 154,549
5 Claims. (Cl. 158—1.5)



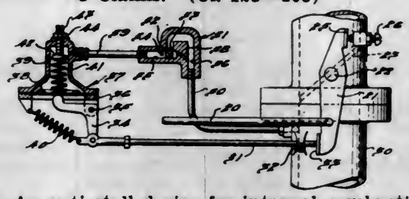
1. In an oil burner having a motor, a blower fan driven thereby and having a discharge port, a scroll case secured to the discharge port of said fan, and a blast tube leading from said scroll case at right angles to the axis of said discharge port; a deflector mounted in the scroll case adjacent the said port, an end portion of said deflector forming an extension of said port, the surface of said deflector adjacent said port coinciding with the curvature of the scroll case, the opposite surface being curved on a radius greater than that of the blast tube, and at least one side of said deflector comprising a plane surface extending from the end portion thereof adjacent the said port to the opposite end of the deflector.

2,205,457
CARBURETOR
Frederick O. Ball and Thomas M. Ball, Detroit, Mich.; Cornelia M. Ball, executrix of Frederick O. Ball, deceased, assignors to Ball and Ball Carburetor Company, a copartnership composed of Cornelia M. Ball and Thomas M. Ball
Application March 15, 1937, Serial No. 130,841
1 Claim. (Cl. 261—34)



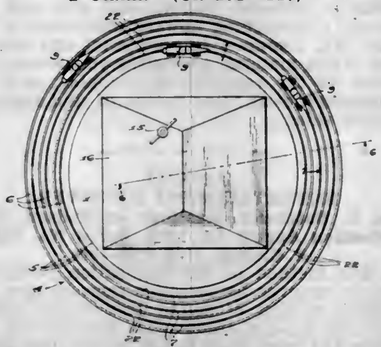
A pump including a cylinder, a piston reciprocable in said cylinder, a piston rod of rectangular cross section attached to said piston and having a head of greater length than the width of the main length of said rod and having a reduced neck portion intermediate its length, an operating element comprising a plate having intersecting slots therein, one of said slots being shorter than the length of said head and the other slot being longer than said head, said neck portion accommodating turning of said rod relative to said plate portion when said neck is disposed in the intersecting parts of said slots to bring said head into registration with said short slot, and a spring bearing between said piston and said cylinder normally holding said plate portion against registering with the neck portion of said rod.

2,205,458
CARBURETOR CONTROL MECHANISM
Thomas M. Ball, Detroit, Mich., assignor to Ball & Ball Carburetor Company, Detroit, Mich., a partnership
Application September 21, 1939, Serial No. 295,994
8 Claims. (Cl. 123—103)



1. An anti-stall device for internal combustion engines having fuel intake means of the type including a carburetor throttle valve for regulating the amount of combustible fuel mixture fed to the cylinders of the engine, said device comprising pressure differential operated means controlled by the difference in pressure between the interior and exterior of the fuel intake means for opening the throttle valve if the engine tends to stall while idling, said pressure differential operated means comprising mechanism for moving the throttle valve to open position and intake suction responsive means for overcoming said mechanism, and a dashpot device for delaying the operation of said intake suction responsive means.

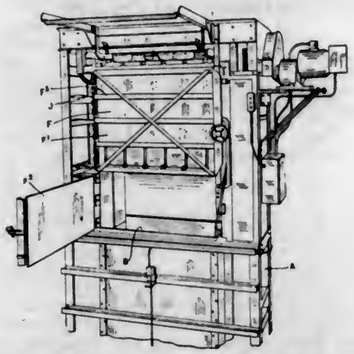
2,205,459
CIRCULAR RACING TOY
Joseph S. Bardega, Detroit, Mich.
Application October 14, 1938, Serial No. 235,074
1 Claim. (Cl. 104—147)



A racing toy comprising a platform including a plurality of circular tracks, each track having circumferentially spaced slots therein, a disc rotatably mounted beneath the platform, means for actuating the disc, spaced teeth on the disc beneath the slots, wheel supported members op-

erable on the tracks, and pawls pivotally mounted on said members and operable in the slots for releasably connecting the members to the disc for actuation thereby, said pawls being engageable with the platform at the ends of the slots for periodically disconnecting the members from the disc, the platform having circumferential grooves therein connecting the spaced slots for guiding the pawls therebetween.

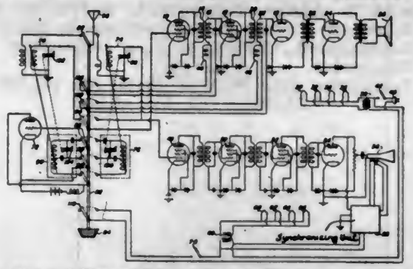
2,205,460
BALING PRESS
Alford C. Barrows, Harold L. Haines, and George W. Langford, Ann Arbor, Mich., assignors to Economy Baler Company, Ann Arbor, Mich., a corporation of Michigan
Application June 28, 1937, Serial No. 150,842
8 Claims. (Cl. 100—19)



1. In a baling press, the combination with a well for receiving material to be compressed, a platen movable upward in said well, and a compression chamber into which the material in said well is compressed being of a capacity substantially corresponding to that required for forming the normal size of compressed bales and having laterally relatively movable sides adapted to be opened for the removal of the bale therefrom, of means for retaining compressed material in a portion of said compression chamber permitting the return of said platen, and means for opening another portion of said compression chamber beneath the compressed material for introducing additional material therein and into said well whereby a succeeding upward movement of said platen will compress this material and add the same to the material previously compressed in a portion of the compression chamber, said last mentioned means being in one of said relatively movable sides.

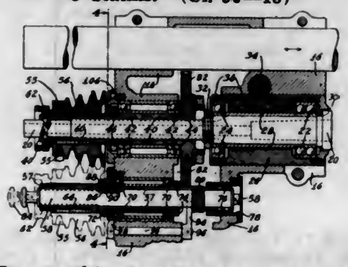
2,205,461
ENTERTAINMENT RECEIVER
John C. Batchelor, Hastings on Hudson, N. Y.
Application August 13, 1937, Serial No. 158,868
3 Claims. (Cl. 250—20)

1. The method of communication utilizing a common receiver for selective reproduction at a receiving station of sound transmitted over a long-wave band of frequencies substantially embracing the band from 500 kilocycles per second to 1500 kilocycles per second and over a short-wave band of frequencies embracing frequencies over 40 megacycles per second, which comprises limiting to substantially less than 8,000 cycles per second the width of the audio frequency band utilized by the common receiver for reproduction at the receiving station of the sound transmitted over the long-wave band, and expanding to substantially greater than 8,000 cycles



per second the width of the audio frequency band utilized by the common receiver for reproduction at the receiving station of the sound transmitted over the short-wave band.

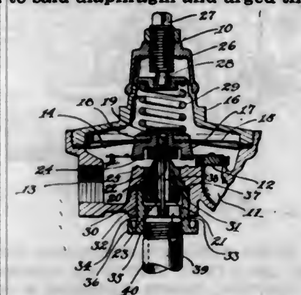
2,205,462
MACHINE TOOL
Arthur F. Bennett, West Barrington, and George B. Hirsch, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application January 24, 1938, Serial No. 186,500
5 Claims. (Cl. 90—18)



1. In a machine tool having a rotary tool spindle, a work support, and means for effecting relative translatory movements to the spindle and work support, a variable speed driving mechanism for rotating the spindle including a prime mover, a rotatable driven member connected to be continuously driven from the prime mover, a high speed driving connection for the spindle having a supporting axis on which the driven member is mountable in operative relation to drive the spindle, a slow speed driving connection for the spindle comprising reduction gearing, a supporting axis on which the driven member is alternatively mountable in operative relation to drive the spindle at the slower rate, control means for connecting said reduction gearing to drive the spindle, and an interlocking device constructed and arranged to prevent the mounting of the driven member in operative position on the high speed axis when the reduction gearing is connected to the spindle.

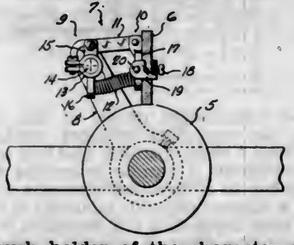
2,205,463
RELIEF VALVE
William T. Birch, Chicago, Ill.
Application January 16, 1939, Serial No. 251,230
1 Claim. (Cl. 137—53)

A relief valve for hot water heating systems, said valve comprising a casing having a compound diaphragm therein dividing the casing into a water chamber and a bonnet chamber, a compression spring in said bonnet chamber and engaging said diaphragm, a removable cap on said bonnet carrying spring pressure adjusting means engaging said spring, means in said casing defining a threaded discharge outlet communicating with the water chamber, a ported valve seat member threaded into said outlet and presenting a valve seat in the water chamber, a valve disk secured to said diaphragm and urged thereby into



engagement with said seat, means whereby said cap may be temporarily removed and said spring released for adjustment of said compression spring while the relief valve is operating under normal pressure condition, said means consisting of a tubular member threaded into said bore and having an upstanding finger enterable into the water chamber to lift said valve and said diaphragm, and a plug threaded into said member.

2,205,464
BRUSH HOLDER
George J. Buerosse, Beaver Dam, and Alfred E. Buerosse, Wauwatosa, Wis., assignors of three-fourths to said George J. Buerosse and one-fourth to said Alfred E. Buerosse
Application February 27, 1939, Serial No. 258,778
11 Claims. (Cl. 171—324)



1. A brush holder of the character described comprising: a stationary head; a floating brush supporting head; a link pivotally connected to each of said heads to guide the same for relative motion; and a coil spring rigidly connected at its opposite ends to said heads to yieldingly urge the same into predetermined relationship.

2,205,465
SEAT BACK CUSHION
Harry A. Campbell, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 30, 1937, Serial No. 171,821
1 Claim. (Cl. 155—184)

A seat structure for an automobile comprising in combination, a supporting back member and a removable cushion structure, said cushion structure including a frame member having a rearwardly and downwardly extending flange at its upper edge for embracing the upper edge of said back member and a padding secured to the bottom of said frame member and extending upwardly over the front face of said frame and



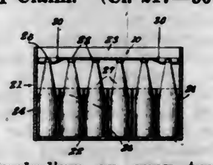
detachably secured to the lower edge of said flange by a yieldable attaching member that is adapted to yieldably engage the upper edge of said back member.

2,205,466
PROCESS FOR MAKING DECORATIVE MATERIAL
Amerigo F. Caprio, Madison, and Harry E. Smith, Short Hills, N. J., assignors to Celluloid Corporation, a corporation of New Jersey
Application September 18, 1937, Serial No. 164,522
8 Claims. (Cl. 41—22)



7. Method of producing decorative articles comprising aluminum foil and thermoplastic material containing a derivative of cellulose, which comprises applying to the thermoplastic material a coating of thermoplastic cement containing a derivative of cellulose and a resin, placing a sheet of relatively thin aluminum foil on cement-coated thermoplastic material, superposing an embossing plate on the aluminum foil, and applying heat and pressure to the assembly so as to cause the simultaneous uniting of the aluminum foil to the thermoplastic material and the impressing of a design on the aluminum foil in such a manner that the outer surface of the thermoplastic material is maintained free from distortion.

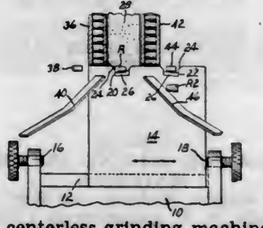
2,205,467
CONTAINER COVER
David L. Cohen, Brooklyn, N. Y.
Application December 31, 1938, Serial No. 248,672
1 Claim. (Cl. 217—56)



A device including an open top rectangular case filled with similar bottles all of which have necks and closure caps, said bottles being positioned side by side with the tops of the caps in a common plane, a rectangular cardboard cover of substantially the size of the open top positioned in said case and supported solely by said bottles and covering the same, said cover having at each of its four corners a substantially circular opening with radial slits thereabout, the remain-

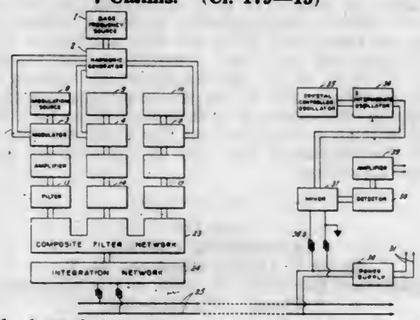
der of said cover being imperforate, said cover being positioned in the box to rest upon the caps of all the bottles except of the four corner bottles, said cover being locked in position by engagement of the caps of the four corner bottles in the adjacent respective corner openings of the cover.

2,205,468
CENTERLESS GRINDING MACHINE
Raymond H. Cramer, Newark, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 2, 1939, Serial No. 297,510
16 Claims. (Cl. 51—103)



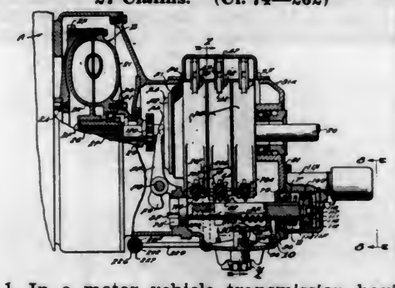
12. In a centerless grinding machine, a grinding wheel, a regulating wheel, a pair of work supporting blades adapted to enter alternately the space between the wheels, means for supplying work pieces alternately to the blades, and a reciprocating slide supporting the blades; substantially as described.

2,205,469
REPLACEMENT CARRIER SYSTEM
Richard C. Curtis, East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application December 21, 1937, Serial No. 180,972
7 Claims. (Cl. 179—15)



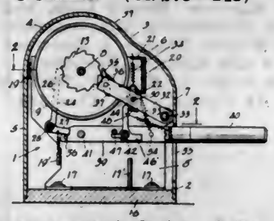
1. A replacement carrier system for a series of carrier-suppressed side bands the respective carrier frequencies of which are harmonics of a constant base frequency at the transmission point, said system comprising at a receiving point, a local source of master control frequency, means independent of the transmitter for maintaining said control frequency constant at substantially an integral multiple of said base frequency whereby each said carrier frequency has a plurality of factors in common with said control frequency, a local oscillator selectively tunable to the frequencies of said carriers, and means including said control frequency source for maintaining the frequency of said oscillator constant and substantially equal to any one of said carrier frequencies when the oscillator is tuned thereto.

2,205,470
POWER TRANSMISSION
William T. Dunn and Teno Iavelli, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 26, 1937, Serial No. 171,165
27 Claims. (Cl. 74—262)



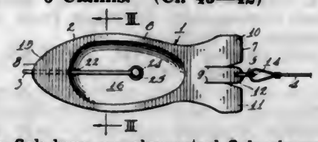
1. In a motor vehicle transmission having a plurality of speed ratio controlling devices, pressure fluid operated means including a common operating member for selectively operating said devices, manually operable means for controlling the selective operation of said operating member, means for supplying pressure fluid to said member, and means operable by said manually operable selector means for varying the pressure of the fluid supplied to said member.

2,205,471
AMUSEMENT DEVICE
David R. Fagerholm, San Francisco, Calif.
Application June 4, 1938, Serial No. 211,869
3 Claims. (Cl. 273—143)



1. In an amusement device of the character described, an operating member comprising a frame having a cross-member and two arms projecting therefrom, a handle extending from the cross-member in a direction opposite to that of the arms, a supporting shaft mounted in the arms, near the ends thereof, a rod mounted in the extremities of the arms, a second shaft mounted in the arms between the supporting shaft and the cross-member, a trigger mounted on the second shaft, a spring urging the trigger toward the cross-member, and a stop for the trigger mounted in the arms.

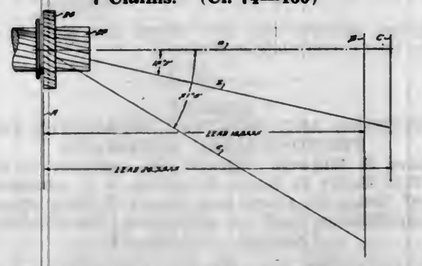
2,205,472
FISH LURE
David R. Fagerholm, San Francisco, Calif.
Application February 10, 1939, Serial No. 255,632
6 Claims. (Cl. 43—42)



1. In a fish lure, an elongated fish-shaped body having substantially flat and manually bendable

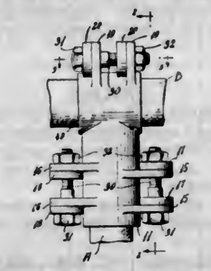
fin-like sections at the leading and trailing edges thereof and a bulged portion between the fin-like sections, the trailing section having substantially the same width as the intermediate portion of said body.

2,205,473
POWER TRANSMISSION
Otto E. Fishburn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 19, 1939, Serial No. 251,656
7 Claims. (Cl. 74—466)



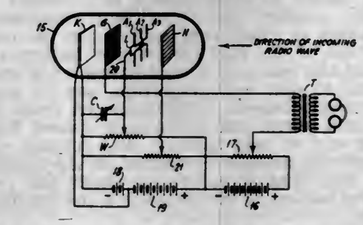
1. In a power transmission comprising a pair of shafts and helical gears carried by said shafts, means for sliding one of said gears along its shaft to move it into and out of engagement with a meshing gear carried by the other of said shafts, said sliding gear being drivingly connected to its shaft by a helical spline, the lead of said spline helix differing from the lead of the helix of said sliding gear at no load by an amount equal to the change in lead caused by distortion of said shafts under load whereby tendency for the slidable gear to slide out of mesh under load is substantially eliminated.

2,205,474
CONNECTOR
Robert A. Goeller, Larchmont, N. Y.
Application June 22, 1937, Serial No. 149,777
8 Claims. (Cl. 24—125)



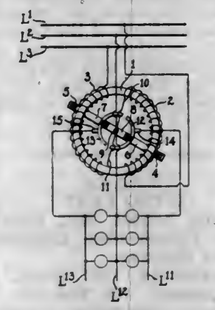
4. In a clamping device, a plurality of semi-tubular clamping members, each member having at one side a pair of projecting lugs and at the opposite side a single projecting lug, the single projecting lug of each member extending between the pair of lugs of the other member, the single lug being provided with an opening extending therethrough, the ends of which are slightly tapered inwardly and the pair of lugs each being provided with openings therethrough having inward tapers corresponding to the tapers of the opening in said single lug and a bolt extending, in a direction of the axis of a tubular member through the openings in the pair and single lugs, said bolt having a tapered head which bears on the wall of the opening in one of said pairs of lugs and the tapered wall in one end of the opening of said single lug, and having a tapered nut which bears against the tapered wall of the opening in the other lug of said pair and against the tapered wall at the opposite end of the opening in said single lug, and the shank of said bolt being free from the walls of the openings.

2,205,475
ULTRA-HIGH FREQUENCY RECEIVER
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 6, 1937, Serial No. 141,074
In Germany May 12, 1936
10 Claims. (Cl. 250—11)



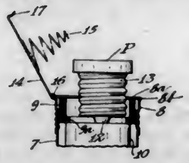
8. A device for ultra-short wave reception comprising an electron discharge tube having a cathode, a reticulated electrode and a plurality of other electrodes, means for applying to said reticulated electrode a potential which is highly positive with respect to said cathode, means for enabling two of said other electrodes to act as complementary energy collectors, potential biasing means for causing the last said electrodes to serve also as retard electrodes, and a signal-sensing device in circuit between said reticulated electrode and said cathode.

2,205,476
TRANSFORMING APPARATUS
Richard B. Hunter, Shorewood, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 23, 1939, Serial No. 252,264
11 Claims. (Cl. 175—312)



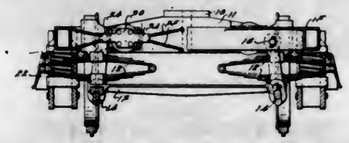
1. An alternating current transformer comprising, a ring-shaped magnetizable core, two symmetrical windings on said core and connected and arranged cumulatively relatively to the core for connection across a three-wire supply circuit, and a pair of contact brushes movable simultaneously and adapted to connect equal variable sections of said windings across a load circuit.

2,205,477
FLASHLIGHT AND ELECTRICAL TESTER
William M. James, Excelsior, Minn.
Application September 8, 1939, Serial No. 293,930
10 Claims. (Cl. 175—183)



1. An electrical testing flashlight including, in combination with a flashlight head, battery and barrel of conventional type, electrical insulating means for maintaining said battery in forwardly pushed condition, said insulating means being so constructed as to leave the central portion of the rear end of said battery exposed and the rear end of said barrel being open for access to said central portion, and an electrical contact element radially spaced from the axis of said barrel and rearwardly spaced from the read end of said battery, said contact element being electrically connected to the portion of said flashlight structure to which the rear end of the battery is connected in a conventional flashlight.

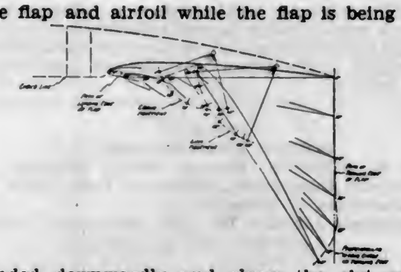
2,205,478
RAILWAY VEHICLE
Robert N. Janeway, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 26, 1937, Serial No. 176,536
13 Claims. (Cl. 105—190)



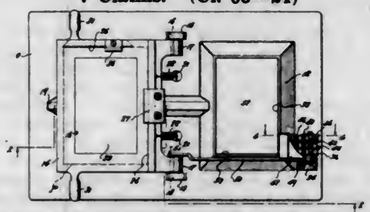
2. In a railway vehicle truck, a truck frame, a relatively movable truck bolster member disposed intermediate two substantially vertically extending portions of said truck frame, a bearing supporting member disposed intermediate said bolster member and the adjacent substantially vertically extending portions of the truck frame, and bearing members rotatively mounted on said bearing supporting member and adapted to engage and roll between the surfaces of said bolster member and the substantially vertically extending portions of said truck frame.

2,205,479
WING FLAP
Temple N. Joyce, Arnold, Md., assignor to Zap Development Corporation, Baltimore, Md., a corporation of Delaware
Application August 14, 1937, Serial No. 159,158
3 Claims. (Cl. 244—42)

1. A flap construction for an airplane comprising an airfoil, a flap adapted to be extended below the airfoil, the trailing edges of said flap in all operative positions lying substantially in the locus of perpendiculars to the datum lines for the airfoil sections at the trailing edge of the airfoil sections, and guide means for the flap which cause the nose of the flap to open up a slot for the passage of air over the nose and between the flap and airfoil while the flap is being extended downwardly and closes the slot when the flap is completely lowered.



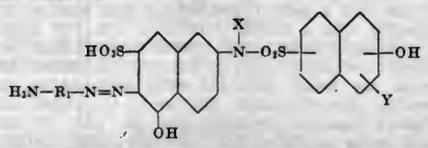
2,205,480
FOCUSING AND PRINTING APPARATUS FOR PHOTOGRAPHIC ENLARGING
Harry S. Kidwell, Chicago, Ill., assignor to the firm Henry G. Goetz, Irvington, N. J., composed of Henry G. Goetz and Henry F. Ruschmann
Application April 11, 1939, Serial No. 267,213
7 Claims. (Cl. 88—24)



1. A device for the purposes described comprising, a base plate having a raised loading station platform and a raised printing station platform relatively spaced thereon in horizontal plane, the latter platform being adapted to be aligned beneath an overhead optical projector, a combined mask and paper holding frame having a paper exposure opening, means to pivotally mount said frame on said base plate intermediate said platforms to swing to and fro between the same for selective supported engagement therewith, and means for clamping paper to be printed upon said frame.

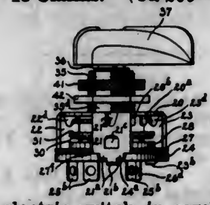
2,205,481
MONOAZO DYESTUFFS
Herbert Kracker and Willy Schumacher, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application September 1, 1939, Serial No. 293,055. In Germany September 8, 1938
5 Claims. (Cl. 260—198)

1. The monoazo dyestuffs of the following general formula



wherein R_1 means a radical of the benzene series, X stands for a member of the group consisting of hydrogen, methyl and phenyl, and Y for a member of the group consisting of hydrogen and halogen, dyeing the fiber red to blue black shades and yielding scarlet to dark blue dyeings of very good fastness properties if the dyestuff is diazotized on the fiber and coupled with itself by addition of an agent that neutralizes the acid or has an alkaline action.

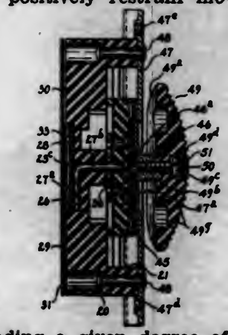
2,205,482
ELECTRIC SWITCH
Alvin W. Krieger, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 27, 1938, Serial No. 231,940
15 Claims. (Cl. 200—11)



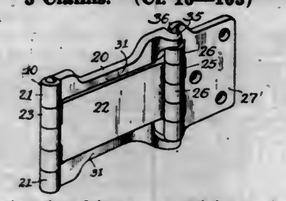
1. In an electric switch, in combination, an insulating base, a plurality of combined contact and terminal members having contact portions superimposed upon said base and having wiring terminal portions penetrating said base and exposed below the lower surface of the latter, certain of said contact portions being common to one of said wiring terminal portions, a flat punched insulating plate superimposed upon said base and restrained against transverse movement relatively thereto, said plate having a plurality of groups of openings forming opposed pairs, certain openings of one group overlying the contact portions common to said one wiring terminal portion to thereby provide for exposure of restricted areas of said contact portions, other of said contact portions being individual to their respective wiring terminal portions, certain openings of another group overlying the individual contact portions last mentioned to provide for exposure of restricted areas of the latter, an opposed pair of openings located adjacent to one end of each of the respective groups being adapted to overlie only the material of said insulating base, a bridging contactor having a pair of convex end portions movable jointly into and out of alinement with the respective pairs of opposed openings in said plate to provide for circuit interruption or for completion of a plurality of different circuit connections in sequence, and an insulating member associated with said bridging contactor for guiding and controlling such movements of the latter.

2,205,483
ELECTRIC SNAP SWITCH
Alvin W. Krieger, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 24, 1939, Serial No. 258,237
23 Claims. (Cl. 200—78)

1. In an electric snap switch, in combination, an insulating base, a set of stationary contacts carried by said base in insulated relationship to each other, a contactor movable relatively to said base into and out of bridging engagement with said set of contacts, means for effecting such movements of said contactor with a snap action, said means comprising an insulating member slidably movable relatively to said base, said insulating member and said contactor having engaging parts adapted to restrict the same to straight line sliding movements relatively to each other, spring means interposed between said insulating member and said contactor and normally biasing the latter to a given position relatively to the former, said insulating member and said contactor having cooperating slots of predetermined irregular shapes formed therein, a pin oscillatably supported by said base and engaging the walls of the respective slots, said pin cooperating with the walls of the slot in said contactor to positively restrain movement of the latter pending a given degree of movement of said insulating member relatively thereto, to thereby provide for storage of a predetermined degree of energy in said spring means, and the walls of the slot in said insulating member acting to move said pin to effect release of said contactor, whereupon the latter is free to move with a snap action under the bias of said spring means to its normal position relative to said insulating member.



2,205,484
EXTENSION HINGE
Charles Hunter Lindsay, Evanston, Ill., assignor to Dry-Zero Corporation, Chicago, Ill., a corporation of Delaware
Application November 24, 1939, Serial No. 305,829
5 Claims. (Cl. 16—163)

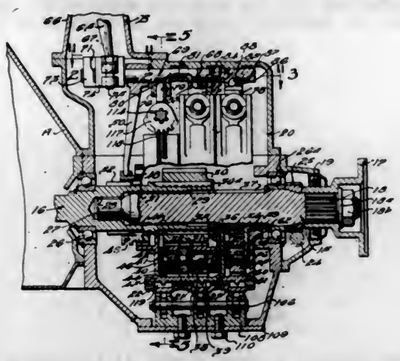


5. An extension hinge comprising a base plate, an intermediate extension leaf hinged to said base plate, and a door plate hinged to said extension leaf, the aforesaid hinge parts being arranged so that in closed position said door plate extends in substantially the same direction as the other two parts, a retaining lug on said base plate, and a locking lug associated with the hinge connection between said door plate and said extension leaf, said locking lug being movable into interlocking engagement with said retaining lug by swinging said door plate into closed position.

2,205,485
POWER TRANSMISSION
Edwin R. Maurer, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 26, 1937, Serial No. 171,166
10 Claims. (Cl. 74—262)

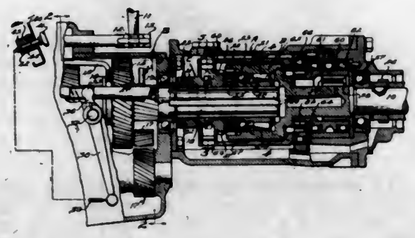
1. In a motor vehicle change speed transmission having in combination, a plurality of speed

ratio gear trains, a rotary control element for each of said gear trains having a threaded exterior surface, a plurality of devices operably associated with a respective control element for resisting rotation thereof, a mechanism for actuating each of said devices including a driving



pinion operably connectible with the threaded surface of one of said control members, and a transmission control mechanism for selectively operably connecting one of said driving pinions with the threaded surface of one of said rotary elements.

2,205,486
POWER DRIVING MECHANISM
George L. McCain, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application January 18, 1934, Serial No. 707,076
57 Claims. (Cl. 74—336)



1. In a drive for a motor vehicle having a power driving shaft and a shaft driven therefrom and adapted to drive said vehicle, overdriving means between said shafts for driving said driven shaft at a speed greater than the speed of the driving shaft, and a speed responsive clutch controlling said overdriving means, said clutch including clutching structures respectively drivingly connected to said driving and driven shafts, said clutch being adapted to automatically connect said shafts through said overdriving means, a hollow cylindrical shaft concentric with said driving and driven shafts and adapted to transmit a drive between said driven shaft and one of said clutching structures, said driving shaft having an end portion thereof extending concentrically through the other of said clutching structures and within said hollow shaft.

2,205,487
ARALKYL ETHERS OF HIGH MOLECULAR CARBOHYDRATES
Karl Meinel, Dormagen-I. G. Werk, near Cologne, Germany, assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 26, 1938, Serial No. 198,230. In Germany June 16, 1937
7 Claims. (Cl. 260—231)

1. A process for the preparation of an aralkyl ether of cellulose which comprises reacting alkali cellulose containing an alkali metal borate as a catalyst admixed therewith, with an aralkyl halide.

2,205,488
METHOD OF MAKING MOLDED ARTICLES
Albert W. Merrick, New York, N. Y., assignor to Austenal Laboratories, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 8, 1938, Serial No. 218,105
8 Claims. (Cl. 18—47.5)

1. In a method of molding, in a frangible mold, a thermoplastic material which has a relatively low plasticity at molding temperature, the steps which consist in mixing the material in comminuted form with a liquid to make a mold charge of relatively high plasticity, said liquid having sufficiently high volatility to be capable of elimination from the mold charge at a temperature no higher than the molding temperature, pressing said mold charge into preliminary conformity with the mold at approximately room temperature and with a pressure sufficiently low so as not to damage the mold, then eliminating the liquid by application of heat, and pressing the charge at molding temperature into final conformity with the mold.

2,205,489
GARMENT HANGER
William A. Nelson, Minneapolis, Minn.
Application November 12, 1938, Serial No. 240,064
3 Claims. (Cl. 223—95)

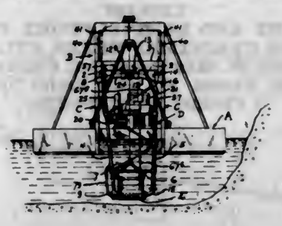


1. A trousers hanger including, relatively thin and rigid material bent to form a supporting shank from the lower end of which respective free end portions of said material project oppositely, said projecting portions each being bent alternately upwardly and downwardly to form respective spaced horizontally extending groups of horizontally spaced, upwardly projecting prongs, the centers of said respective groups being spaced apart by a distance corresponding approximately to half the circumference of the average trousers cuff.

2,205,490
HYDRAULIC SHOVEL
Isaac Peterson, Oakland, Calif.
Application August 16, 1939, Serial No. 290,443
14 Claims (Cl. 37—57)

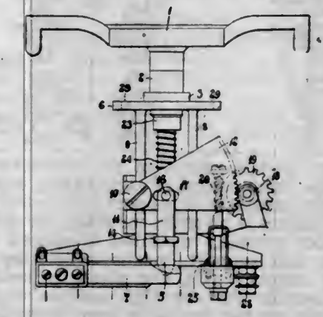
6. In a dredge of the character described a gallows frame, a pair of forwardly and downwardly extending arcuate guide tracks connected therewith, a pair of shoes slidably mounted one on each track, a cross beam connecting the shoes,

means for raising or lowering the cross beam and shoes with relation to the gallows frame, a suction pump on the dredge, a suction pipe extending from the suction of the pump to the cross beam and supported thereby, a swivel connection at each end of the pipe to permit raising and lowering of the cross beam and shoes, a frame hung from the cross beam and free to swing therefrom, a shovel pivotally mounted at the lower end of the frame, a suction pipe in the frame and having



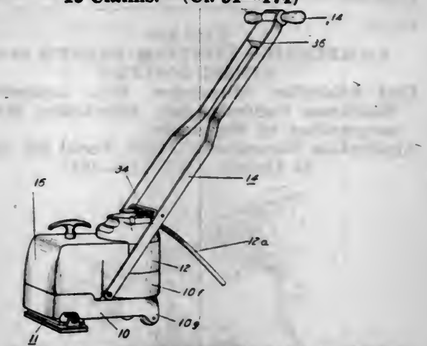
a swivel connection with the first named suction pipe at one end and with the shovel at the opposite end, said shovel having a screen covered chamber formed therein connected with the suction pipe to cause water to flow through sand and gravel scooped up by the shovel and deposited on the screen and to cause the finer materials to enter the chamber and suction pipe and coarse rock to be left on the screen, and a pivotally mounted shutter movable over the screen to increase or decrease the area of the screen in proportion to the amount of rock and gravel deposited on the screen.

2,205,491
SWITCHING DEVICE FOR USE IN TELEPHONE SYSTEMS
Charles Clarke Puckette and Arthur Warrington, Stoke, Coventry, England, assignors to The General Electric Company Limited, London, England
Application June 11, 1937, Serial No. 147,666
In Great Britain June 19, 1936
2 Claims. (Cl. 179—164)



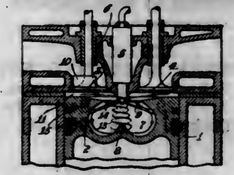
1. In a cradle telephone having a removable handset, a plunger pushed downward by the weight of the handset when it is placed on the cradle and moved upward by spring tension when the handset is removed from the cradle, a gear segment pivoted adjacent the plunger, a link connecting the plunger with the segment so that the segment is moved about its pivot with each movement of the plunger, a governor, and means for linking the governor with the gear segment to move therewith and retard its action only when the handset is removed from the cradle.

2,205,492
SANDING MACHINE
Raymond A. Reid, Cedar Rapids, Iowa
Application December 27, 1937, Serial No. 181,753
15 Claims. (Cl. 51—174)



14. In a sanding machine, a base, a flexible member beneath the base and a sanding pad on the lower face of the flexible member, said flexible member permittting both twisting and reciprocating movement of the pad, but preventing transverse movement of the pad, a shaft rotatably mounted in the base, an eccentric driven by the shaft, and a link, stiff in the horizontal plane, connecting the eccentric and the sanding pad to cause the pad to move with both twisting and reciprocating movement.

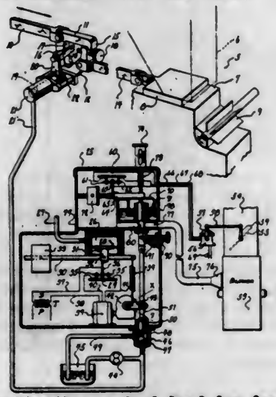
2,205,493
INJECTION INTERNAL COMBUSTION ENGINE
Hippolyt Saurer, deceased, late of Arbon, Switzerland, by Rosina Saurer-Hegner and Anita Elisabeth Saurer, sole heirs, Arbon, Switzerland, assignors to Societe Anonyme Adolphe Saurer, Arbon, Switzerland, a corporation of Switzerland
Application October 16, 1937, Serial No. 169,406
In Germany April 22, 1937
1 Claim. (Cl. 123—32)



In a direct injection internal combustion engine having a cylinder, a piston adapted to operate within said cylinder, a toroidal chamber located in the upper portion of said piston having a restricted entrance leading thereto through the top of said piston, a protuberance substantially centrally located of said piston head extending upwardly from the bottom of the said chamber, a nozzle located in said cylinder by which fuel is radially sprayed against the walls of the toroidal chamber in downwardly diverging jets, the walls of the said toroidal chamber being curved from the restricted entrance outwardly downwardly and inwardly toward the centrally located protuberance, the annular area of the piston top being beveled downwardly toward the axis in the form of the surface of a truncated cone, means for controlling the admission of air into said cylinder, whereby the air is tangentially whirled above the head of said piston and di-

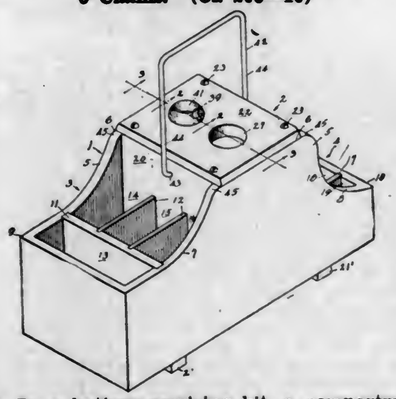
rected into the toroidal chamber by reason of the beveled piston top against the walls thereof and is axially whirled at high velocity upwardly around the protuberance from the bottom of the chamber.

2,205,494
COMBUSTION CONTROL SYSTEM FOR STEAM BOILERS
Carl Schindler, Milwaukee, Wis., assignor to Shallcross Controls, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application November 29, 1935, Serial No. 52,143
14 Claims. (Cl. 110—103)



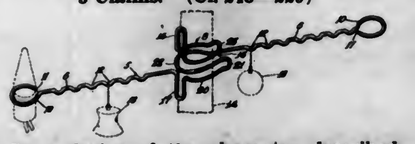
9. In combination, a fuel feed for feeding fuel to the furnace of a steam boiler in varying amounts per unit of time, fluid pressure actuated means for controlling the fuel feed to thereby regulate the amount of fuel fed per unit of time, a pump for producing fluid pressure for the operation of said fuel feed control means, draft producing means, fluid pressure operated means for controlling the draft, means responsive to fluid pressure other than that produced by the pump for the operation of said draft control means, and means responsive to steam pressure for governing the effectiveness of the fluid pressure in each instance.

2,205,495
BATTERY SERVICING KIT
Frank B. Schmitt, San Francisco, Calif.
Application April 29, 1938, Serial No. 205,130
6 Claims. (Cl. 206—16)



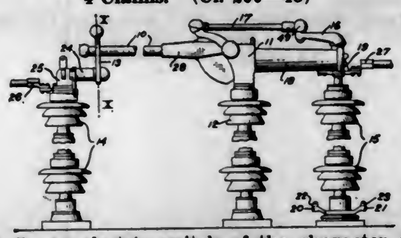
1. In a battery servicing kit, a compartment having a closed bottom, a liquid-holding jar disposed therein with the tops of the compartment and the jar arranged in registry, the bottom of the jar being supported on said closed bottom, the outer dimensions of the jar conforming to the inner dimensions of the compartment, and an apertured cover removably secured to the compartment and serving as a lid over the jar.

2,205,496
ORNAMENT AND LAMP SUPPORT FOR USE ON CHRISTMAS TREES, ETC.
Frederick W. Max Schneider, Chicago, Ill.
Application August 15, 1938, Serial No. 224,855
3 Claims. (Cl. 248—229)



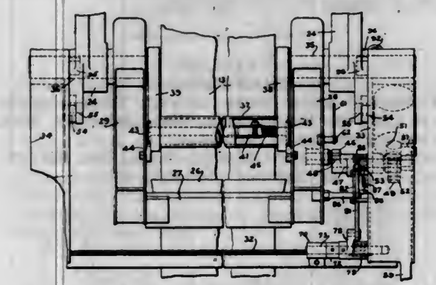
1. In a device of the character described, a single piece of wire bent back and forth upon itself to form substantially semi-circular resilient clasping arms and longitudinal oppositely extending brace parts, the ends of the clasping arms being adapted to be separated to permit said arms to be forced upon and clasp a Christmas tree stem or similar support, with the brace parts in contact with the support above and below the clasping arms.

2,205,497
DISCONNECTING SWITCH
August C. Schwager, San Francisco, Arnold E. Brock, Burlingame, and Roy H. Gerard, Oakland, Calif., assignors to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application April 11, 1938, Serial No. 201,344
4 Claims. (Cl. 200—48)



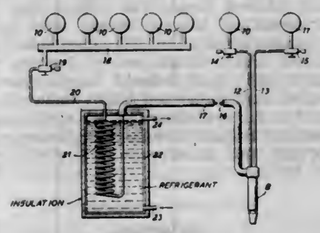
1. In an electric switch of the character described the combination of cooperating engageable contact members, a support upon which one of said members is pivotally mounted, an operating member pivotally mounted in spaced relation from said support, means connecting said operating member with the pivotally mounted contact member for effecting positive engagement of said contact members upon actuation of said operating member, a separate mechanism carried by said pivotally mounted contact member for applying pressure between the contacting portions of said contact members, an actuating member therefor, an independent means continuously connecting said actuating member with said pressure applying mechanism, a movable linkage connection between said actuating member and said operating member, said linkage connection being operative when in one position to provide a positive driving connection between said operating member and the pivotally mounted contact member and when in another position to provide an operating conection between said operating member and said actuating member, and a cam for controlling the position of said linkage connection, whereby said operating member will operate through said linkage connection to control the pressure applying mechanism at a predetermined relative position of said contact members without losing control of said pivotally mounted contact member.

2,205,498
WEB SUPPLY MECHANISM
Otto Schwarz, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application August 18, 1937, Serial No. 159,679
21 Claims. (Cl. 242—58)



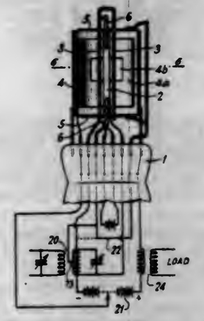
1. In a web supply mechanism adapted to change the feed of a web from an expiring roll to a replacement roll, a web deflector extending across the replacement roll and adapted to press a web from the expiring roll thereagainst, a rotatable shaft supporting said web deflector and having an offset portion, and means carried by said offset shaft portion to operably connect the ends of said web deflector.

2,205,499
METHOD OF CUTTING METALS
George H. Smith, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application April 27, 1937, Serial No. 139,209
7 Claims. (Cl. 148—9)



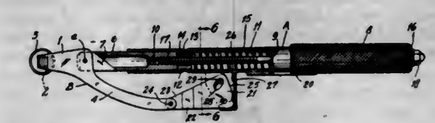
1. A method of cutting metals with a stream of oxidizing gas which is expanded to form a cutting jet, comprising the step of cooling said gas stream before expansion so as to increase the mass-velocity of the gas in said jet to above 200 pounds per square foot per second.

2,205,500
ELECTRON DISCHARGE DEVICE
Maximiliaan J. O. Strutt and Petrus H. J. A. Kleynen, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 24, 1937, Serial No. 176,174
In Germany November 26, 1936
6 Claims. (Cl. 250—27.5)



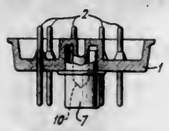
1. An electron discharge device having an electrode system comprising a rectilinear cathode, an anode, a beam forming electrode adjacent said cathode and consisting of spaced conductors substantially parallel with the longitudinal axis of the cathode for concentrating the electron discharge from the cathode into a flattened radial beam with its width extending lengthwise of the cathode, an intercepting electrode adjacent said beam forming electrode and between said beam forming electrode and said anode, said intercepting electrode having in the path of the beam an aperture smaller than the normal cross-sectional area of the beam at said intercepting electrode, and means at the opposite ends of the electrode system for producing an electrostatic field to vary the width of the electron beam in a direction parallel with the longitudinal axis of the cathode.

2,205,501
SAFETY WRENCH
Joseph Sunnen, Ladue Village, Mo.
Application December 27, 1937, Serial No. 181,768
4 Claims. (Cl. 81—53)



4. A wrench comprising a handle and a crank pivotally connected at one end of said handle, said crank being disposed at an angle to the handle and having a working jaw on the outer end, a lever pivotally connected on the inner end of said crank, an abutment member on the handle in proximity to said lever, said lever having a circular cam surface at its free end in rolling contact with the abutment member the radius of the cam surface being greater than the distance from said surface to the pivotal point of the cam lever, and a spring disposed between the handle and the cam lever arranged to exert its force for maintaining contact between the cam surface and the abutment member and an angular relation between the crank and the handle.

2,205,502
ELECTRON DISCHARGE TUBE
Theodoor Philibert Tromp, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 17, 1939, Serial No. 256,917
In Germany June 8, 1938
2 Claims. (Cl. 250—27.5)



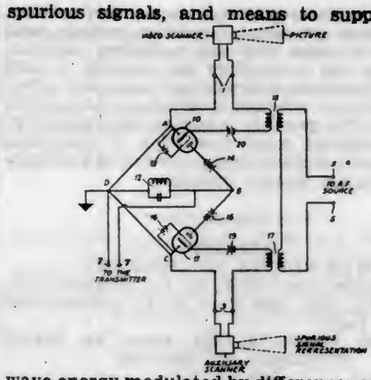
1. An electron discharge tube comprising a tubular envelope, a relatively thick glass disc-like header sealed gas tight to and closing one end of said tube, contact pins arranged in a circle and carried directly on said header, a tubular glass re-entrant portion integral with and centrally in said header extending into the envelope beyond the inner surface of the header, and means for shielding said pins comprising a tubular metal member extending from near the ends of said conductors into said tubular glass portion beyond the inner surface of said header, the sides of the inwardly extending portion of the tubular metal member being adhesively attached to the surface of the inner wall of said tubular glass portion.

2,205,503
CONCENTRATION OF COMMINUTED MATERIALS FROM THEIR MIXTURES
William Trotter, Forest Hills, N. Y., and Eltoft Wray Wilkinson, Berkeley, Calif., assignors to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application February 25, 1939, Serial No. 258,462
25 Claims. (Cl. 209—166)

1. In a process of ore concentration, the step comprising subjecting the ore in aqueous pulp to a concentrating operation in the presence of a reagent selected from the class consisting of compounds of the general formulae $H_2N.C(OR):NH$ and $[H_2N.C(OR):NH.H]_nX$, in which two formulae the symbol R has reference to the hydrocarbon residue of an organic hydroxy compound, the symbol X and multiplier n of the second formula respectively appertaining to the anion of a substantially water-soluble acid and to a whole number equal to the valence of the acid anion X.

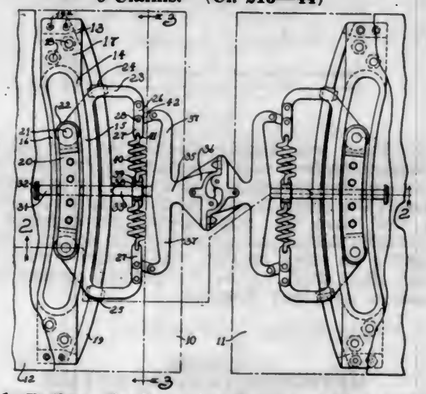
2,205,504
SIGNALING CIRCUIT
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 27, 1936, Serial No. 107,815
In Germany April 3, 1935
6 Claims. (Cl. 178—7.2)

5. A television transmitting system comprising a bridge modulator, means to feed carrier wave energy to the bridge, means to feed signals representative of the picture to be transmitted including spurious signals to the bridge, independent means to generate signals representative of the spurious signals only, means to feed signals representative only of the spurious signals to the bridge, means to compare the combined signals with the signals representative of the spurious signals, and means to supply carrier



wave energy modulated by differences of the compared signals to a transmitter.

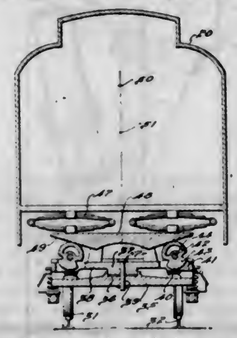
2,205,505
DRAFT MEANS
William Van Der Sluys, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 2, 1937, Serial No. 134,509
9 Claims. (Cl. 213—44)



1. Railway draft mechanism comprising means adapted to be secured to railway rolling stock in pivoting relationship to a fixed center of oscillation thereof, coupling means adapted to be attached at times to an adjacent car, and additional means interconnecting said coupling means and said first named means for cushioning any impact transmitted therebetween, said additional means comprising pivotally connected linkage mechanism and a single set of springs operably associated with said linkage mechanism and so constructed and arranged that, when either tension force or compression force is exerted between said coupling means and said first named means, said springs will receive only one of these two types of forces.

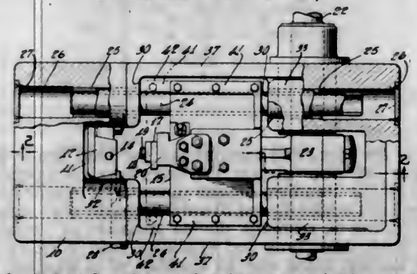
2,205,506
RAILWAY VEHICLE
William Van Der Sluys, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 8, 1937, Serial No. 173,293
6 Claims. (Cl. 105—199)

1. In a railway vehicle, two spaced trucks each provided with a truck frame and a truck bolster supported on said frame, a body bolster pivotally mounted on said truck bolster, cam members rotatably journaled on said body bolster, and a car body provided with longitudinally spaced transversely extending supporting members adapted to support the weight of the car body,



said supporting members being provided with a straight downwardly facing track portion on each side of the centerline of said car body, said straight track portions being adapted to rest and roll on said cam members, said cam members having a surface contour adapted to compensate for the departure of said straight track portions from a true arc about a predetermined point within said car body.

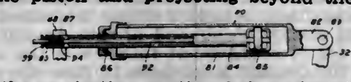
2,205,507
HEADER
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Connecticut corporation
Application September 2, 1938, Serial No. 228,248
17 Claims. (Cl. 10—12)



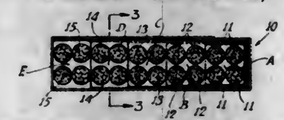
1. A header frame having a central opening therethrough, said frame further having a recess in each of two opposite side walls thereof, one upon each side of the center of the frame, each side wall being thickened below the recess, other openings through the frame that are substantially parallel with each other and extend outwardly from opposite walls of said recesses toward the exterior of the frame.

2,205,508
SCRAPER
Claud H. Williams, Modesto, Calif.
Application September 18, 1937, Serial No. 164,518
3 Claims. (Cl. 74—527)

1. In a scraper, a cylinder pivotally connected to a moving part, a piston slidable therein and having a fluid by-pass extending therethrough, a spring valve normally closing the by-pass, but opening to permit fluid in the cylinder to pass through the by-pass when the piston is moved in one direction, a hollow piston rod connected to the piston and projecting beyond the cylinder the projecting portion being pivotally connected to another moving part, and a release rod slidable in the piston rod and being movable against the valve for opening it when it is desired to move the piston in the opposite direction.



2,205,509
CIGARETTE PACKAGE
Abraham Winburn, Brooklyn, N. Y.
Application September 1, 1938, Serial No. 227,908
4 Claims. (Cl. 206—41)



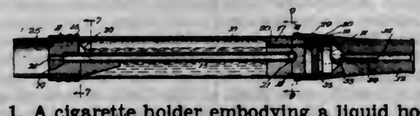
1. A consumer cigarette package designed to grow progressively smaller in size as the cigarettes are consumed, comprising a group of cigarettes completely enveloped in a wrapping to form an independent container, said independent container plus a second group of unwrapped cigarettes being completely enveloped in a second wrapping to form a second container, said second container completely housing said first container and said unwrapped cigarettes.

2,205,510
CHANGE-OVER TORQUE MEASURING TOOL FOR SEVERAL MEASURING RANGES
Karl Wolfram, Vollme, Germany
Application April 25, 1939, Serial No. 269,877
In Germany April 7, 1938
2 Claims. (Cl. 265—1)



1. A change-over torque measuring tool for several measuring ranges, comprising in combination a hollow handle, a tool holder loosely mounted on the front end of said handle, a packet of blade springs fixed at one end to said holder, and change-over means shiftable in said handle for successively connecting the other ends of the blade springs to said handle to vary the strength of said packet.

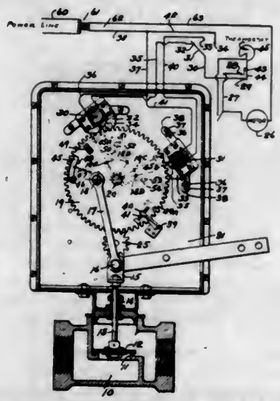
2,205,511
CIGARETTE HOLDER
William G. Zoulfakos, Chicago, Ill.
Application September 13, 1939, Serial No. 294,715
4 Claims. (Cl. 131—173)



1. A cigarette holder embodying a liquid holding casing, a cigarette seat and a mouth piece at the respective ends of the casing and each having a passage communicating with said casing, a

smoke conduit of substantial length within the casing, the ends of the conduit being disposed in proximity to each other, one end of the conduit being rotatably mounted at one end of the casing and having communication with the passage in said seat, a closure within the casing and adjacent said rotatable end of said conduit, into and out of engagement with which the other end of the conduit is movable to close the conduit and to open the same to establish communication with the interior of the casing, and means for effecting such rotation of the conduit.

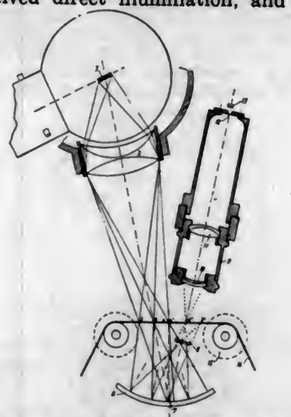
2,205,512
VALVE CONTROL
Claude D. Anderson, Jr., Memphis, Tenn.
Application April 18, 1938, Serial No. 202,665
14 Claims. (Cl. 236—74)



1. Valve control means, including electrically operable means for opening said valve, said means progressively continuing movement of said valve through full open and toward closing; means urging retrogressive movement of said operable means, said retrogressive urging means acting through said operable means to accomplish retrogressive movement of said valve to closed position, means for stopping said valve in substantially full open position, means adapted for stopping said valve in a progressive position of partial closure, and means cooperating with said electrical means, for selectively rendering said stop means effective.

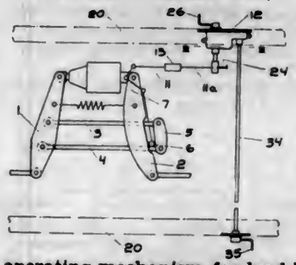
2,205,513
PROCESS AND DEVICE FOR THE REPRODUCTION OF FIXED DENSITY SOUND RECORDS
Roger Bernheim, Paris, France, assignor to Société Cinoza, Société Anonyme, Paris, France, a corporation of France
Application May 24, 1937, Serial No. 144,535
In France May 29, 1936
3 Claims. (Cl. 179—100.3)

1. A method for the acoustic reproduction of fixed density sound tracks on films, which comprises illuminating intensely a certain length of the sound track and redirecting the luminous flux falling on each of the half-widths of said track length onto each of the half-widths of an adjacent track length while inverting the redirected luminous flux so that the modulated portion of the second track length receives exclusively the light which has passed through the modulated portion of the track length that has received direct illumination, and diffusing



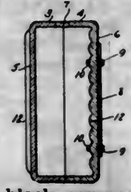
the redirected luminous flux exclusively longitudinally of the film before it reaches the second length of the track.

2,205,514
OPERATING MECHANISM FOR LOAD BRAKE DEVICES
Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application January 21, 1939, Serial No. 252,227
In Austria and Germany January 24, 1938
7 Claims. (Cl. 188—195)



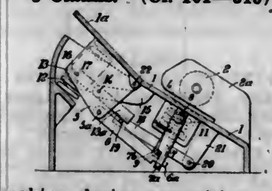
1. An operating mechanism for load brake devices of the character described, comprising operating handles, means operatively connecting the load brake device to said handles, said means including a resilient device capable of yielding in both directions for enabling said handles to be shifted from one to another of a number of different positions also at times when the load brake device is jammed and immovable due to the brake being on, and a member interposed between said resilient device and said handles and so arranged that it and said handles are relatively movable within limits in both directions from a normal position in relation to each other, means for biasing said member and said handles in both directions towards their said normal position in relation to each other, a locking device cooperating with said member for automatically locking the same positively in either of a number of positions corresponding to the different positions into which said handles are shiftable, and means positively movable through said handles for releasing said locking device as a result of movement of said handles in either direction in relation to said member from said normal position relatively thereto.

2,205,515
COMBINATION TRANSLUCENT BUILDING BLOCK AND HOUSE NUMBER
Paul M. Burroway, Phoenix, Ariz.
Application June 14, 1938, Serial No. 213,724
3 Claims. (Cl. 40—125)



2. A building block composed of clear glass, having a hollow interior and parallel inner and outer walls, the forward face of each of said walls being smooth, the rear face of each of said walls being provided with a series of convex ribs to produce refraction and render said block translucent, and opaque indicia attached to the smooth forward face of said outer wall whereby the indicia will be silhouetted by the light refracted through the block.

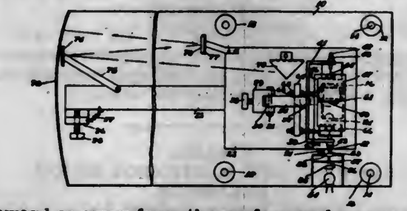
2,205,516
APPARATUS FOR NUMBERING OR MARKING LIGHT-SENSITIVE PHOTOGRAPHIC PAPERS
Ferdinand Busse, Munich, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application July 30, 1938, Serial No. 222,305
In Germany August 4, 1937
3 Claims. (Cl. 101—316)



1. A marking device comprising a fixed supporting surface for the material to be marked, a marking element disposed in spaced relation thereto, whereby the material may be inserted therebetween, a press plate movable through an opening in said surface for pressing the material to be marked against said marking element, means for actuating said press plate to marking position and for returning the same to non-marking position, and means for controlling said actuating and returning means, said controlling means comprising a manually depressible plate-like extension hinged to said supporting surface and forming a part thereof and spring means normally holding said extension in a position wherein the press plate is held in non-marking position and the material to be marked is readily guided into position.

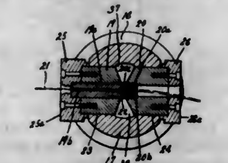
2,205,517
PROFILOGRAPH
Manson L. Devol, Penn Township, Allegheny County, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 31, 1938, Serial No. 199,304
14 Claims. (Cl. 73—51)

1. Apparatus for determining the profile of a plane surface, comprising means to support a body having a surface to be tested in a suitable plane, a beam mounted to rotate in an arc in a plane parallel to said surface about an axis perpendicular to the surface, a tracing point mounted upon the beam in offset relation with respect to the axis of rotation thereof and being movable



toward or away from the surface and means connected to the point to indicate on a magnified scale movements of the point toward and away from the surface and means for rotating the beam about its axis in order to cause the point to trace an arcuate path upon the surface.

2,205,518
EXTRUDING HEAD
George E. Duffy, Port Clinton, Ohio, assignor to The Standard Products Company, Cleveland, Ohio, a corporation of Ohio
Application August 13, 1936, Serial No. 95,864
4 Claims. (Cl. 18—13)

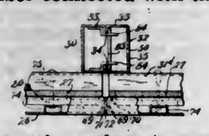


1. In an extruding machine for coating a flat strip of material with a plastic stock, a cylinder for receiving said stock, means for feeding said stock along said cylinder, a side delivery die head secured to the delivery end of said cylinder, a strip guide block, a die block, there being an opening in each of said blocks permitting passage of said strip therethrough, said blocks being positioned in said head with said openings spaced apart and alined in a manner to position said strip transversely of the axis of said cylinder and substantially in a plane with said axis, each of said blocks having stock guiding surfaces meeting in a sharp edge in said plane and at the front end of the block nearer the cylinder, said surfaces diverging from said plane as they extend rearwardly from said edge, said blocks having other stock guiding surfaces on each side of the strip diverging from said alined openings, and said stock guiding surfaces on each block merging smoothly, one with the other.

2,205,519
BUILDING CONSTRUCTION
Harry E. Eiber and Lawrence M. Druckenbrod, Cleveland, Ohio, assignors to The Austin Company, Cleveland, Ohio, a corporation of Ohio
Application April 13, 1938, Serial No. 201,747
2 Claims. (Cl. 189—34)

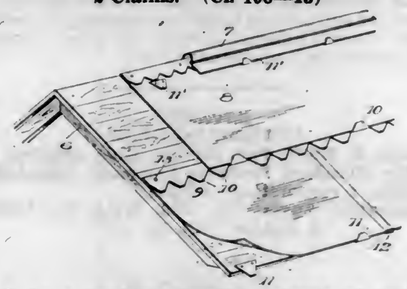
1. In a building construction, a wall comprising unitary panels having upright channel members at their edges and disposed in abutting relation with the recesses of the adjacent channel members facing each other, a bar connected with opposite sides of one of said adjacent channel

members and bridging the recess thereof, and a locking member connected with the other of said



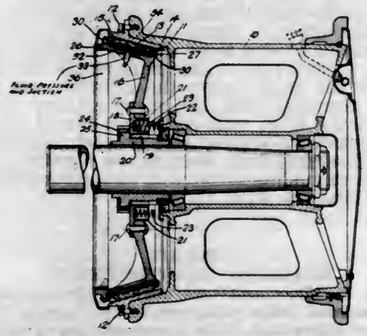
adjacent channel members to project therefrom into the recess of said one channel member and having a slot in which said bar engages.

2,205,520
ROOFING AND FASTENING MEANS THEREFOR
Joseph Farkas, Robert, La.
Application May 26, 1939, Serial No. 275,973
2 Claims. (Cl. 108—13)



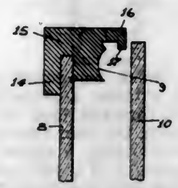
2. In a roof construction, sheets of roofing laid in overlapping relation, an end of each sheet having a portion folded upon itself to form a nailing strip, the free edge of the folded portion having tabs formed therein, certain of said tabs being bent upon the face of the overlapping sheet to hold the same to the roof.

2,205,521
ASSEMBLY FOR BRAKES AND THE LIKE
Thomas L. Fawick, Akron, Ohio, assignor to The Fawick Company, Inc., Wabash, Ind., a corporation of Indiana
Application May 13, 1938, Serial No. 207,741
18 Claims. (Cl. 188—152)



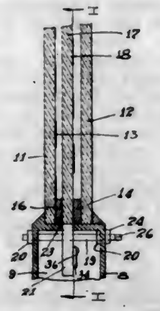
1. The combination of two relatively rotatable structures, one of the same having a conical frictional-engagement surface and the other comprising a multiplicity of frictional engagement members and a directly-acting, fluid-distensible, flexible member composed at least primarily of a material having substantially the resilient deformability of vulcanized soft rubber for moving them toward and from the said surface, for frictional engagement and disengagement, in a direction substantially normal thereto.

2,205,522
DOUBLE GLAZING UNIT
Earl L. Fix, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application December 15, 1937, Serial No. 179,820
1 Claim. (Cl. 20—56.5)



A double glazed unit comprising a unitary frame of resilient material having on its inner side a groove for receiving one of the glass plates of the unit and having the face of the frame remote from said groove provided with a concave suction recess extending around the frame, a shoulder on the frame outward from said recess and also extending around the frame, a retaining lip on the shoulder projecting inward in opposition to the recess, a glass plate seated in said groove, and a second glass plate overlying the suction recess and fitting inside said shoulder inward of the retaining lip, said plate being held in place by atmospheric pressure incident to pressing the second plate into position and expelling the air from the recess.

2,205,523
WINDOW CONSTRUCTION
Henry J. Galey, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application February 11, 1939, Serial No. 255,913
3 Claims. (Cl. 20—56.5)



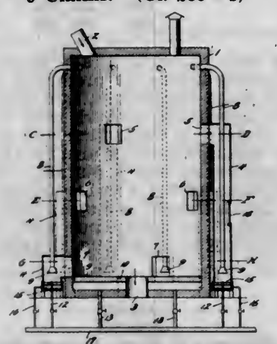
1. A multiglazed window construction comprising two sheets of glass disposed in a frame, the sheets having transverse stripes of at least partially opaque material directly adherent thereto, the width of the stripes on one sheet approximately corresponding to the spacing between the stripes on the other sheet, one sheet being reciprocable in the plane thereof to bring the stripes thereon into register either with the stripes or the spacings on the other sheet, whereby to control the radiant light and heat passing through the sheets.

2,205,524
PAPER CLIP OR THE LIKE
Walter J. Gareis, New Ulm, Minn.
Application April 8, 1938, Serial No. 200,999
3 Claims. (Cl. 24—259)



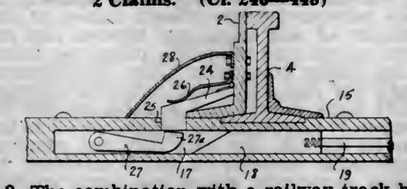
3. A paper clip or the like, said clip comprising a pair of substantially plain plates providing handle portions at one end and jaw portions at their opposite ends, a longitudinal area of the jaw portion of each plate being laterally outwardly set out to define a longitudinal concavity at the laterally inward side of the jaw portion and impart added rigidity to the jaw portion, a horse-shoe shaped spring of flat metal, said spring having legs arranged to lie in and along the longitudinal concavities with the bight portion of the spring disposed between the plates at a point adjacent the longitudinally inward ends of the concavities, the said longitudinally outward extremities of the legs of the spring being laterally inwardly rolled, and the longitudinally outward extremities of said jaw portions being laterally inwardly rolled to conform to the exterior of and clamp on the associated rolled spring leg extremities so as to fasten the respective spring leg extremities and jaw portion extremities to each other, and a substantially unbroken rubber coating secured to and overlying and enclosing said jaw portions and the legs of said spring, and the associated rolled extremities of the spring legs and jaw portions.

2,205,525
APPARATUS FOR MIXING FARINACEOUS OR PULVEROUS MATERIALS BY MEANS OF COMPRESSED AIR
Paul Goebels, deceased, late of Dessau, Germany, by Lina Goebels, executrix, Dessau, Germany
Application February 9, 1938, Serial No. 189,698
In Germany February 9, 1937
9 Claims. (Cl. 259—4)



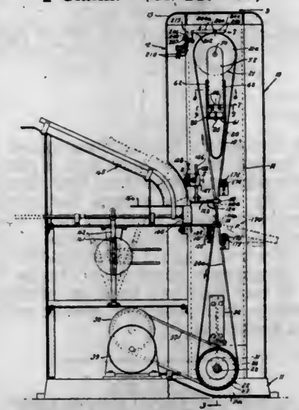
1. In apparatus for mixing pulverulent or finely divided materials, the combination with a mixing chamber receiving the material to be mixed, of a plurality of conduits disposed exteriorly of said chamber and communicating with the interior of said chamber at different vertical levels, whereby material in different strata within said chamber may be simultaneously withdrawn therefrom, and means associated with said conduits for returning the withdrawn material to said chamber at a point above the highest level of withdrawal.

2,205,526
SAFETY LOCK FOR RAILWAY SWITCHES
William T. Hardy, Bay City, Tex.
Application February 3, 1939, Serial No. 254,368
2 Claims. (Cl. 246—448)



2. The combination with a railway track having a switch which includes movable rails, means connected to the movable rails and effective to move said rails to open or close the switch, a casing underneath one of the track rails having an opening, a latch movably connected to one of the movable rails and having a downwardly turned end arranged to drop by gravity into said opening when the switch is moved to one position, a release arm housed within the casing and having an upturned end aligned with said opening and by means of which the latch may be elevated and released to allow the switch to move to another position, and manually operable means effective when actuated to elevate the arm and latch to release the latch to allow movement of the switch.

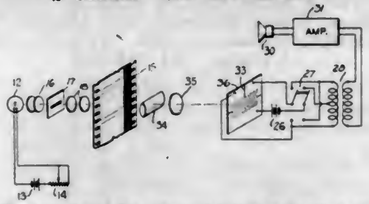
2,205,527
MULTIPLE BAND BLADE SLICING MACHINE
William Walter Hartman, Los Angeles, Calif.
Application January 3, 1939, Serial No. 249,047
1 Claim. (Cl. 146—88)



A band blade slicing machine, comprising a stationary frame structure, a power-driven blade-supporting drum revolvably mounted on said frame structure, a plurality of independently adjustable blade tensioning rolls disposed side by side in approximate alinement with each other, a plurality of endless band blades, the space between said drum and said plurality of blade tensioning rolls being sufficiently clear and free of other parts and structure to permit each of said endless band blades to be looped

about said drum and about one of said rolls in such manner that the two courses of each such blade cross each other with the blade being thereby mounted substantially in figure 8 form having one loop embracing the drum and the other loop embracing one of said rolls, spaced apart blade twisting guide means located between said drum and rolls and adapted to guide and twist the courses of substantially all said blades into spaced parallel slicing planes to comprise a slicing zone, supporting means on said frame structure extending transversely of the blades in the space between the two crossed courses of substantially all said blades and between said plurality of rolls and the places where the courses of the blades cross each other, roll mounting means for each roll, each such roll mounting means being individually movable for roll adjustment to independently tension the blade that runs on the roll, and each such roll mounting means being mounted on said transversely extending supporting means and being confined entirely within the space circumscribed by those loops of the blades that embrace said rolls and there being a safety margin between said blade loops that embrace the rolls and said roll mounting means, said safety margin extending all around said roll mounting means to prevent any of the blades from being dulled by contact with any portion of any of said roll mounting means if the blades run partially off their respective rolls.

2,205,528
SOUND REPRODUCTION
Harold Jansen Hasbrouck, Jr., Flushing, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 5, 1935, Serial No. 5,014
2 Claims. (Cl. 179—100.3)



1. In a system for reproducing sound, a selenium cell having an electrode and a pair of electrodes interdigitated with said first electrode and separated by a trace, means for projecting a modulated light beam to completely cover at all times one member of said pair and a portion of said first electrode, and a second modulated light beam to completely cover at all times the other member of said pair and another portion of said first electrode, and a common circuit connected to all of said electrodes.

2,205,529
DRY-SEALING ENVELOPE
Vincent E. Heywood, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Original application June 14, 1937, Serial No. 148,119. Divided and this application May 23, 1938, Serial No. 209,431
4 Claims. (Cl. 229—80)

1. An envelope having its body and a flap provided with areas of dry-sealing adhesive, and a folded strip unattached to said body and providing a free portion extending in parallel relation to said flap, for separating said dry-sealing



adhesive areas when said flap is folded over for packing the envelope.

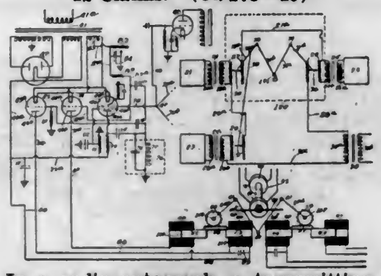
2,205,530
CHEMICAL COMPOUNDS β-(ORTHO-HYDROXYPHENYL)-ISOPROPYLAMINES
Gustav Hildebrandt, Mannheim, Germany, assignor to E. Bilhuber Inc., Jersey City, N. J.
No Drawing. Application December 27, 1937, Serial No. 181,987. In Germany January 2, 1937
5 Claims. (Cl. 260—574)

1. A β-(ortho-hydroxyphenyl)-isopropylamine of the formula

$$HO-C_6H_4-CH_2-\underset{\displaystyle NHR}{\underset{|}{CH}}-CH_3$$

in which R is selected from the group consisting of hydrogen, lower alkyl, and cycloalkyl radicals.

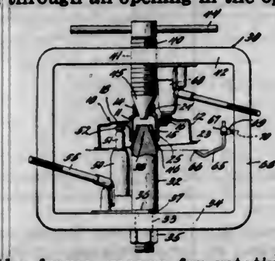
2,205,531
RADIO AUTOGRAPH
Clarence H. Kehm, Chicago, Ill.
Application December 31, 1937, Serial No. 182,719
12 Claims. (Cl. 178—19)



1. In a radio autograph, a transmitting station comprising means for producing a plurality of definite audio-frequencies, said means having a constant impedance network with variable resistances therefor in connection with each audio-frequency means, a movable arm for varying each of said resistances, and a plurality of pivotally connected arms having a stylus located at one of the pivot points thereof and operative to vary the said resistances in accordance with the movement of the stylus in writing, drawing and the like.

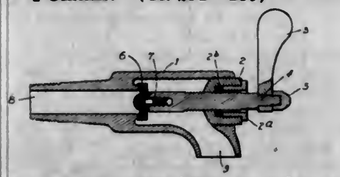
2,205,532
PRESS
Thomas F. Kohl, Easton, Pa.
Application April 24, 1939, Serial No. 269,713
2 Claims. (Cl. 153—32)

1. A portable tool for use in straightening wheel hub and brake drum assemblies or similar circular or annular articles of considerable radial extent, comprising, in combination, a relatively heavy, rigid, rectangular frame consisting of an endless metal band, a pair of cooperating centering and supporting spindles extending inwardly from opposite sides of said frame and provided with tapering conical points adapted to enter alined openings in the article to be treated in order to center and clamp the article between them, one of said spindles being normally rigidly secured to its side of the frame but having means for attaining longitudinal bodily adjustment with respect to the frame by comparatively large increments, the other of said spindles being threaded through an opening in the opposite side



wall of the frame, means for rotating said last named spindle for attaining a fine adjustment of the spacing of the points to center the work or to grip it firmly, the inside surfaces of the side walls of the frame from which said spindles project being plane and extending a distance radially of said spindles to encompass the vertical projection of said brake drum upon said side walls for the seating of pressure exerting means on said surfaces, for operating upon radially extending portions of the article at various successive distances from the center thereof.

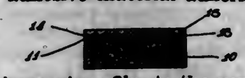
2,205,533
VALVE AND VALVE MEMBER
Jesse D. Langdon, Los Angeles, Calif.
Application May 3, 1938, Serial No. 205,695
4 Claims. (Cl. 251—159)



1. A valve casing comprising an inlet at one end and an outlet at one side, a valve seat projecting into said chamber at the inlet end to define a recess between said seat and the wall of said chamber, a stem extending through the other end of said chamber, a valve rotatably mounted on said stem and comprising a core carried thereon and a seating portion of flexible rubber-like material, said core comprising a radially extending flange, said rubber-like material encompassing said flange and having a concave seating face, the peripheral edge of said seating face extending radially outward of said seat and terminating short of the bottom of said recess to prevent chattering.

2,205,534
COMPOSITE CELLULAR GLASS BLOCK
William O. Lytle, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 4, 1938, Serial No. 211,883
6 Claims. (Cl. 72—37)

1. A building unit comprising a base of cellular glass having a sheet of protecting vitreous veneer on one side thereof, an interposed water-impervious film between said cellular base and said sheet of veneer, and interposed films of resilient adhesive material adhering one surface of the impervious film to the veneer and adhering the other surface of the film to the outer surface of the cellular glass base.

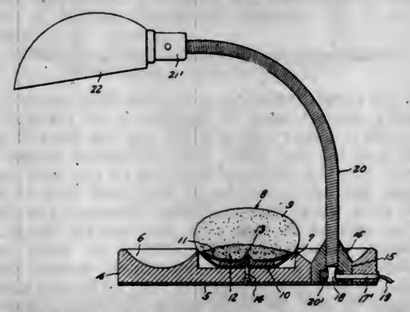


2,205,535
BRUSH, MOP, AND THE LIKE
Ottilie Muckenhirn, Basel, Switzerland
Application February 8, 1938, Serial No. 189,440
In Switzerland December 1, 1937
6 Claims. (Cl. 15—176)



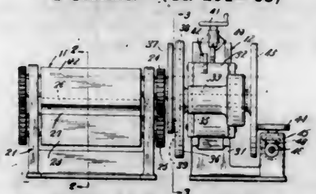
1. A device of the character described, comprising a resilient sheet metal upper part including longitudinal edges and having a substantially right angled cross-section, a handle socket secured to one side of the right angled part, a lower part interchangeably connected to the upper part, and leaf spring means secured between the angularly disposed sides of the upper part for augmenting the resiliency thereof, the upper side of the lower part being provided with longitudinal re-entrant surfaces between which the longitudinal edges of the resilient upper part engage in securing the two parts together.

2,205,536
PIN CUSHION
Ralph David Mudgett, Oakdale, Conn.
Application May 2, 1938, Serial No. 205,639
1 Claim. (Cl. 223—109)



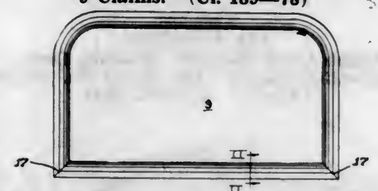
In a device of the class described a flat base provided with a central circular recess in the top thereof having a straight side wall, a pin cushion of circular edge contour and elliptical cross section seating in said recess and overlapping the upper edge of the latter, and means to anchor said cushion in said recess tight against said edge comprising a metal plate embodied in the bottom of the cushion, a screw threaded upwardly through the base into said cushion and plate, and a prong extending upwardly from said plate into the cushion to prevent the cushion from creeping on the plate.

2,205,537
APPARATUS FOR OPERATING ON STRAND OR STRIP MATERIAL
Norman H. Nye, Cuyahoga Falls, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application September 20, 1938, Serial No. 230,773
4 Claims. (Cl. 164—68)



3. In apparatus of the character having a pair of cooperating rotative tool members adapted to operate on strand or strip material while the latter is being advanced, means operable to drive said tool members and to vary the spacing of the operations performed on the material comprising a pair of rotatable drive members having cooperating pin and slot elements and one of which is shiftable for varying the angular speed of the tool members and another pair of cooperating rotatable drive members one of which is shiftable for varying the speed ratio and the revolutions per minute of said tool members, a shaft connecting the shiftable members of said pairs, and a bearing mounting said shaft and shiftable to cause simultaneous adjustment of said shiftable members.

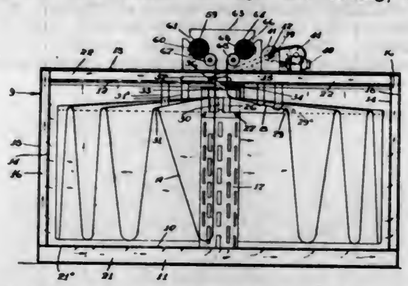
2,205,538
WINDOW CONSTRUCTION
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 22, 1938, Serial No. 203,570
9 Claims. (Cl. 189—78)



1. In combination in a window construction, a glazing unit, a sash of channel form having on one side a flange which backs up the edge of the unit and on the other side a shorter flange to permit the placing and removal of the unit past it and spaced forwardly of the front face of the unit thus providing a channel between the face of the unit at its edge and said shorter flange, a resilient removable strip seated in such last channel, and a second removable wedge strip engaging and deforming the first strip and causing one of said strips to press yieldingly against the edge of the glazing unit in opposition to the flange of the channel which backs up the edge of the unit.

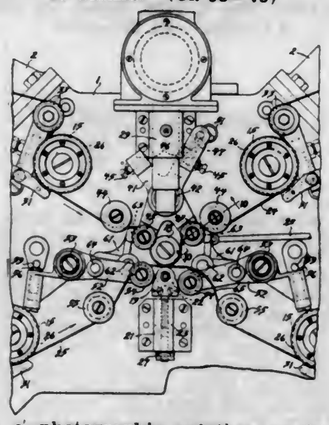
2,205,539
DRIER FOR SHEETING
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 22, 1938, Serial No. 215,142
10 Claims. (Cl. 34—12)

9. In a drier for sheeting, a casing, a vertical support mounted for rotation in the casing and provided with a series of spaced radially extending arms, a rotary member above the casing also extending radially with respect to the vertical support for carrying a roll of the sheeting to be dried, a second rotary member above the casing adjacent and parallel to the first rotary member and adapted to receive and roll up the sheeting after it has passed through the casing, and



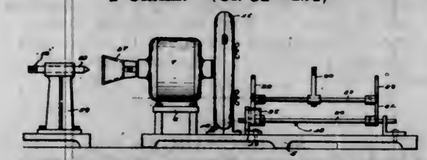
means for rotating the vertical support and said rotary members in timed relation so that a festoon of sheeting is fed from the first rotary member between each pair of arms when each space between a pair of arms is brought adjacent such member and a festoon of the sheeting which has completed the circuit is simultaneously withdrawn therefrom and wound on the second supporting member.

2,205,540
PHOTOGRAPHIC PRINTING MACHINE
Charles E. Phillimore, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application November 1, 1938, Serial No. 238,234
13 Claims. (Cl. 95—75)



1. In a photographic printing machine the combination with a pair of printing station elements, including an arcuate element, arranged for the passage of photographic printing and sensitized strips therebetween in pressure contact, of means for reversibly feeding said strips in unison between said station elements and operative on one of said strips on both sides of said station elements, means yieldably urging said one strip between said feed means and said station elements in the direction of said arcuate element and operative to vary the curvature of said strip between said station elements in correspondence with the varying length of said strip between said station elements and said feed means, and means for rendering said yieldably urging means operative alternately on opposite sides of said station elements.

2,205,541
BOWLING PIN RECONDITIONING MACHINE
Attilio A. Pizzotti, Plymouth, Mass.
Application December 30, 1938, Serial No. 248,605
1 Claim. (Cl. 51—124)



A bowling pin reconditioning device comprising a horizontally arranged shaft, means for supporting said shaft, arms journaled on said shaft, a bar connecting said arms for movement in unison, one of said arms including a forked portion to receive a bowling pin and the other arm including an annular portion having beveled walls to receive and frictionally fit the bowling pin, a plate formed on said means, and spaced lugs formed on the plate and lying in the path of movement of said latter-named arm for limiting the swinging movement thereof on the shaft in opposite directions and permitting said arms to slide endwise of the shaft.

2,205,542
PROCESS FOR THE MANUFACTURE OF FORMALDEHYDE BY ELECTROSYNTHESIS FROM CARBON MONOXIDE AND HYDROGEN
Eloi Ricard, Melle, France, assignor to Les Usines de Melle, Melle, France, a corporation of France
Application December 24, 1936, Serial No. 117,614
In France December 24, 1935
4 Claims. (Cl. 204—31)

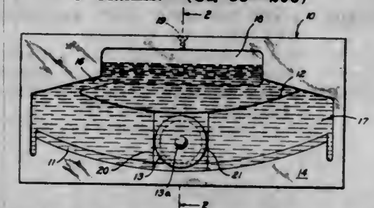
1. The process of preparing formaldehyde which comprises introducing carbon monoxide and hydrogen into an electric glow discharge zone while maintaining a gas pressure of less than 0.15 atm. absolute and thereby effecting a reaction between the carbon monoxide and hydrogen with the formation of formaldehyde.

2,205,543
HEATING SURFACE
Jean Robert Rideau and André Maxime Ducret, Paris, France
Application November 1, 1937, Serial No. 172,286
In France November 6, 1936
4 Claims. (Cl. 244—134)



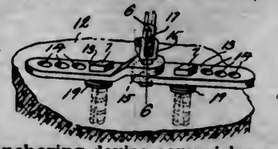
1. A heating and defrosting surface for airplanes comprising an insulating supporting layer applied upon the surface of the airplane to be heated and defrosted, an electric conducting resistant layer in direct contact with the atmosphere positioned upon said supporting layer and means for leading and passing an electric current through said resistant layer.

2,205,544
INCLINOMETER
Gregory V. Rylsky, New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 20, 1938, Serial No. 185,972
8 Claims. (Cl. 33—206)



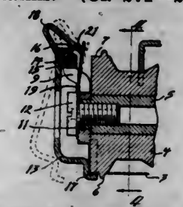
1. An inclinometer comprising an enclosure, a sharp surface providing a track within said enclosure, and a gravity actuated element mounted on said track, said element comprising a disc and protuberances extending from the sides of said disc.

2,205,545
BOLT ANCHORING DEVICE
Herman Schmitt, Sheboygan, Wis.
Application May 19, 1939, Serial No. 274,629
3 Claims. (Cl. 72—101)



1. An anchoring device comprising sockets embedded in a concrete structure, bolts threaded into said sockets, bars secured to the sockets by said bolts, the inner ends of said bars being overlapped, a bolt extending through the overlapped ends of the bars and a pivoted shackle carried by said last named bolt.

2,205,546
SPROCKET DEVICE
Bruno Stechbart, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application July 10, 1939, Serial No. 283,620
10 Claims. (Cl. 271—2.3)

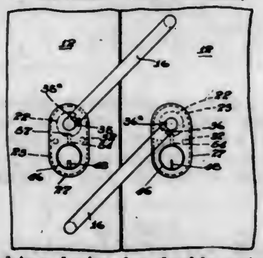


1. In a device of the character described, the combination with a revoluble sprocket, of a strip retaining guide therefor and mounted for movement lengthwise of the sprocket and provided with a strip engaging portion engageable with an edge of a perforated strip when the strip rides on the top of the teeth of the sprocket and engageable with the outer face of the strip when the perforations of the strip are engaged on the teeth of the sprocket and yieldably urged to engage the strip, and a second guide engageable with the opposite edge of the strip.

5. In a device of the character described, the combination with a stationary projecting spindle

and a bored sprocket revolubly mounted thereon, of a strip retaining guide for said sprocket, and a mounting carrying said guide on the projecting end of said spindle for movement into and out of strip retaining position.

2,205,547
COMBINATION HANDLE AND LOCKING DEVICE FOR DOORS
Howard G. Stoner, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation
Application May 25, 1938, Serial No. 209,927
5 Claims. (Cl. 70—121)

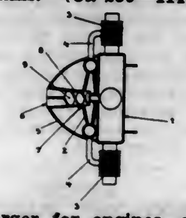


1. A latching device for double swinging doors of tempered glass comprising a block adapted to be mounted in an opening in a door, the block having a circular opening extending therethrough, a rotatable block mounted in the latter opening, handles rigidly secured to the latter block and being laterally bent to provide a member of C shape, the ends of which are adapted to engage upon opposite sides of a second door, and means to secure the first-mentioned block in place in the opening in the door, said means comprising a plate secured to the block and providing a flange engaging the portions of the door adjacent the opening, a second plate secured to the opposite side of the block by means of a screw fastening and providing a second flange engaging the remaining side of the door, said plates having openings therein through which the handles extend the rotatable block being formed with notches about its periphery and detent means disposed in the first-mentioned block and selectively engaging the notches to secure the rotatable block from rotation in a predetermined position.

2,205,548
LIQUID FILLED COMPASS
Kurt Volkmann, Berlin-Charlottenburg, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application May 24, 1938, Serial No. 209,833
In Germany May 29, 1937
3 Claims. (Cl. 33—223)

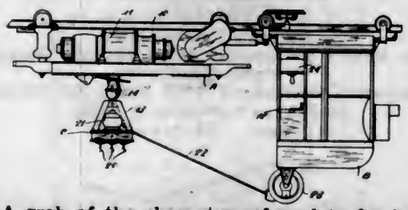
1. In a compass having a basin containing an electrolyte, a vessel including a surface of revolution within said basin, a direction indicating element pivoted within said vessel for rotation about a vertical axis passing centrally through said basin, a pair of adjacent circular electrodes respectively mounted upon said vessel and said element and the peripheries of said electrodes positioned equally distant about said axis, a second electrode mounted on said element, a pair of insulated electrodes mounted on said vessel and positioned in a horizontal plane parallel and adjacent to the plane of said second electrode, and means for electrically connecting the electrodes on said element whereby the current flowing to said pair of insulated electrodes is a function of the angular relation of said vessel and said element.

2,205,549
SUPERCHARGER
Charles Raymond Waseige, Rueil, France
Original application March 18, 1936, Serial No. 69,497. Divided and this application May 19, 1938, Serial No. 208,752. Renewed February 26, 1940. In Japan August 1, 1935
3 Claims. (Cl. 230—114)



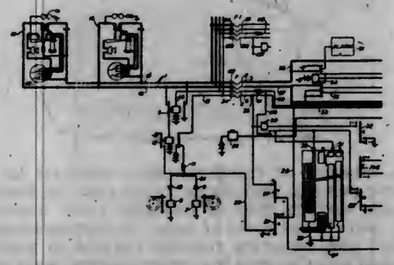
1. A supercharger for engines, comprising a centrifugal compressor having a centrally disposed rectilinear air duct of truncated form extending laterally therefrom, said air duct being longitudinally tapered toward the compressor, and a stationary helical deflector disposed within said air duct, the pitch of said deflector decreasing progressively toward the compressor.

2,205,550
MATERIAL HANDLING APPARATUS
William G. Wehr, East Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application July 1, 1938, Serial No. 216,977
1 Claim. (Cl. 212—126)



A grab of the character referred to for handling material in bale form and comprising a frame adapted to be suspended from an overhead support, a reversible electric motor carried by said frame with the rotatable member thereof positioned vertically, a driving gear rotatably supported coaxially with said rotatable member of said motor, planetary speed reducing gearing between the rotatable element of said motor and said driving gear, a plurality of downwardly projecting spiral tines adapted to engage in material in bale form, means for rotatably supporting said tines in said frame equidistant from the axis of rotation of said driving gear, and driven gears operatively connected to said tines and in mesh with said driving gear.

2,205,551
TELEPHONE SYSTEM
Samuel B. Williams, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1939, Serial No. 283,352
6 Claims. (Cl. 179—9)



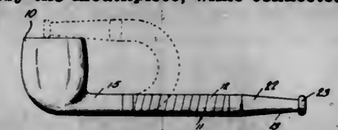
1. In a telephone system, line finder switches, subscribers' lines appearing in the multiple terminals of said finders, each line having a message register, a combined test and register operating conductor for each line appearing in the test terminals of said finders, means associated with a finder that has seized a line to render the seized line busy and to apply a source of register-operating potential to said test terminals to operate the register of said seized line, means for applying a calling potential to the test terminals of a calling line and for initiating the hunting movement of one of said finders, test means operative in response to said calling potential to stop the hunting finder on the terminals of the calling line and also operative in response to said register-operating potential in case the hunting finder engages said seized line at the moment register-operating potential is present on the test terminals thereof, and means for preventing the hunting finder from stopping on said seized line when the said finder test means is operated by said register-operating potential.

2,205,552
METHOD OF PRESERVING THE CATALYTIC ACTIVITY OF A METALLIC NICKEL HYDROGENATION CATALYST
Herrick R. Arnold, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 3, 1937, Serial No. 151,845
7 Claims. (Cl. 23—236)

1. A process of maintaining the activity of a nickel catalyst during storage prior to use, which comprises maintaining said catalyst in a wet condition with a solution of a substance selected from the group consisting of the lower alkyl amines and ammonia.

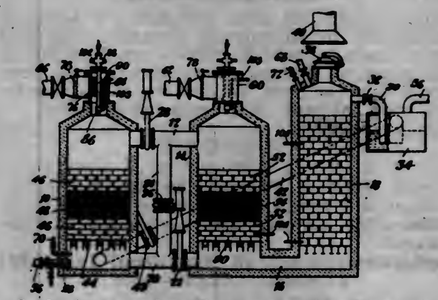
2,205,553
PIPE CONSTRUCTION
Robert S. Blair, Stamford, Conn.
Application February 27, 1939, Serial No. 258,759
8 Claims. (Cl. 131—225)

1. In pipe construction, in combination, a bowl, a mouthpiece and, a flexible tube interposed between the bowl and the mouthpiece, said tube being so constructed and of such material that it is bendable into and will retain a curved form at substantially any point intermediate its ends whereby the mouthpiece, while connected to the



tube and while the tube is connected to the bowl, will be capable of assuming and maintaining a position at substantially any angle relative to the bowl or in any direction.

2,205,554
METHOD FOR GENERATING OIL GAS
Morris M. Brandegee, Plainfield, and Charles E. Hemminger, Westfield, N. J., assignors to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine
Application December 16, 1935, Serial No. 54,704
Renewed September 14, 1939
6 Claims. (Cl. 48—214)

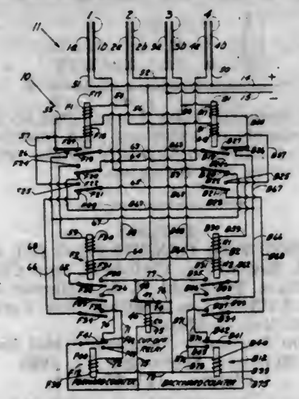


2. An improved cyclic process of making mixed oil gas and water gas in apparatus comprising a single gas generator having therein a high temperature carbon filtering screen of small uniformly sized ceramic brick, a single carbureter having a carbon filtering screen of small uniformly sized ceramic pieces supported transversely thereof, and a single superheater, which comprises periodically heating up the apparatus by burning oil simultaneously in the top of the generator and in the top of the carbureter and passing the products of combustion in parallel downwardly through the generator screen and carbureter screen, respectively, and thence through the superheater, and between heating periods spraying oil and steam simultaneously into the top of the hot generator and carbureter, passing the oil vapors and steam downwardly in parallel through the ceramic screens in the carbureter and generator to crack the oil, and passing the generated oil gas and water gas into and through the superheater.

2,205,555
TREADLE CIRCUIT
Benjamin Cooper, New York, N. Y.
Application February 3, 1938, Serial No. 188,507
1 Claim. (Cl. 235—92)

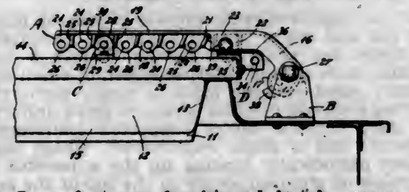
In combination with a multi-switch treadle adapted to be installed on a roadway transverse of the direction of the vehicular travel, and comprising a set of more than two parallel switches disposed side by side, and adapted to be actuated sequentially when a wheel of a vehicle traverses the treadle, a forward counter and a back-

ward counter, and a circuit connecting both counters with the above mentioned set of switches, including means to count on the forward counter, when said switches are closed sequentially in one direction, and to count on the backward



counter, when the same switches are actuated sequentially in an opposite direction, and said circuit having means to make a count on one of said counters, only upon actuation of more than two of said switches, and on the other counter only upon the same switches being actuated.

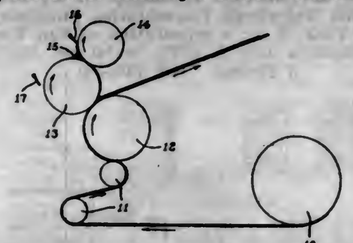
2,205,556
HATCH COVER FASTENER
William M. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application February 13, 1939, Serial No. 256,027
6 Claims. (Cl. 292—265)



1. In a fastener for hinged hatch covers of refrigerator cars, the combination with a lug projecting from the free edge of the cover; of an arm swingingly mounted on a fixed support and having means thereon engageable with said lug for prying the cover open, said arm having a plurality of supporting ribs thereon, said ribs extending transversely of the arm and being arranged in series lengthwise of the arm, said ribs of said series being spaced apart lengthwise of said arm to accommodate said lug therebetween and serving as supports for said lug to hold the cover in different adjustments of partly open position.

2,205,557
WATERPROOF AND GREASEPROOF PAPER
Harry C. Fisher and James F. Thompson, Cincinnati, and Walter E. Sooy, Middletown, Ohio, assignors to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application October 7, 1937, Serial No. 167,758
7 Claims. (Cl. 91—68)

1. A method of forming a substantially waterproof and greaseproof sheet of paper which comprises applying to the surface of a sheet of paper a lower surface coating layer including a water soluble adhesive from the group consisting of glue, casein, soy bean flour, and proteins derived from soy bean flour, and a plasticizing agent therefor adapted to maintain said coating in a flexible condition, applying a hardening agent comprising formaldehyde to said lower coating layer, thereafter forming a smooth uniform film

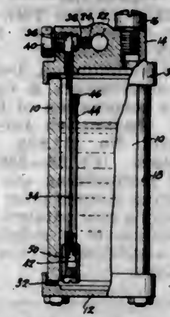


of a solution of cellulose ester material in an organic solvent, and transferring such preformed smooth surface film of cellulose ester material onto said coated sheet of paper in homogeneously bonded and adhering relation thereto to provide a coated sheet having the upper coating layer uniformly and homogeneously distributed over and keyed into said lower coating layer so as to be jointly flexible therewith.

2,205,558
PRODUCT POSSESSING STERILIZING PROPERTIES AND METHOD OF APPLICATION
Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 4, 1939, Serial No. 288,368
17 Claims. (Cl. 167—33)

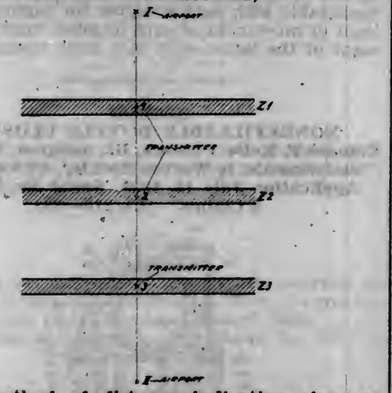
1. A sterilizer comprising a 2,5-dioxo-Δ^3-pyrroline.

2,205,559
LUBRICATOR
Maurice Ben Heftler and Parker G. Cox, Detroit, Mich., assignors to Zenith Carburetor Company, Detroit, Mich., a corporation of Michigan
Application June 4, 1938, Serial No. 211,783
10 Claims. (Cl. 184—55)



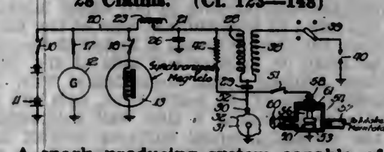
1. In an apparatus for lubrication, a transparent reservoir for liquid lubricant, a passage for compressed air, a conduit transmitting pressure from the passage to the reservoir below the lubricant level, a discharge jet in the passage, a chamber in the lubricant for emulsification thereof, and a conduit leading from the chamber and feeding the emulsion to the discharge jet.

2,205,560
DISTANCE INDICATION MEANS AND METHOD
Robert Herzog, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 8, 1938, Serial No. 194,630
In Germany April 4, 1936
3 Claims. (Cl. 250—11)



1. A method of distance indication along a given course line which comprises the following steps: producing at predetermined points on said line beams of short wave radiations, continuously rotating said beams to produce walls of short wave radiations perpendicular to the ground and the course line, continuously producing characteristic signals in the radiation within each wall, and determining the distance by characteristic signals encountered within a wall.

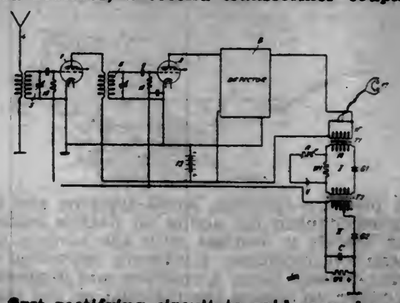
2,205,561
IGNITION SYSTEM AND MAGNETO THEREFOR
Harry B. Holthouse, Chicago, Ill.
Application November 2, 1936, Serial No. 108,756
Renewed April 7, 1939
28 Claims. (Cl. 123—148)



1. A spark producing system capable of prolonged sparking comprising a source of substantially continuous, high voltage, direct current; a condenser charged by said current and included in a primary high frequency oscillating circuit; a controller in said circuit for rendering said circuit effective when desired; and a secondary oscillating circuit in inductive relation to said primary oscillating circuit and including a condenser in common therewith, and an ignition spark gap all connected in series.

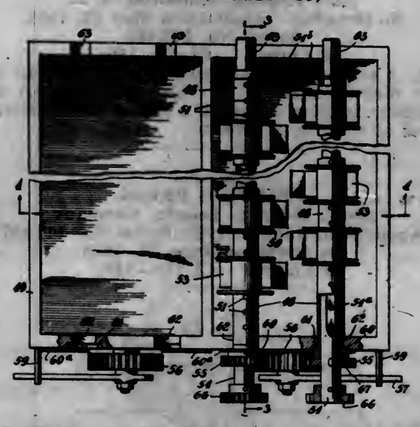
2,205,562
REGULATING ARRANGEMENT FOR HIGH FREQUENCY RECEIVERS
Helmut Johannson, Berlin-Charlottenburg, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application November 7, 1936, Serial No. 109,643
In Germany November 13, 1935
3 Claims. (Cl. 250—20)

1. In a radio receiver, grid controlled high frequency amplifier tubes feeding the low frequency portion of the receiver, a low frequency output circuit, a first rectifying circuit having a biased rectifier, a first transformer coupling said low frequency output circuit to said first rectifying circuit, a second rectifying circuit having an unbiased rectifier, a second transformer coupling



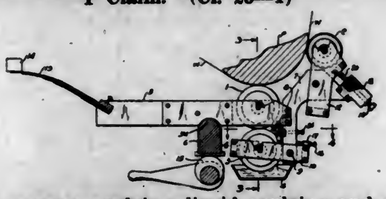
said first rectifying circuit to said second rectifying circuit, both of said rectifying circuits being fed from said low frequency output, means for associating said second rectifying circuit with the grids of said tubes, and means in said first rectifying circuit for varying the biasing effect of said rectifying circuits on said grids.

2,205,563
MEANS FOR ASSEMBLING CORE MEMBERS ON ARBORS
Robert McC. Johnstone, Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Original applications September 10, 1937, Serial No. 163,190, and May 11, 1938, Serial No. 207,258. Divided and this application February 23, 1939, Serial No. 257,815
2 Claims. (Cl. 242—68)



2. The combination of a sleeve, an inner shaft extending therethrough, one or more core members mounted on the sleeve, a locking device to lock the core member or members on the sleeve by a limited turning movement of the shaft within the sleeve, a connection between said means and the sleeve to permit a limited but to prevent a continuous turning movement of the shaft within the sleeve, whereby subsequent rotation of the shaft drives the sleeve through said connection after the core member or members are in locked position.

2,205,564
ART OF SLITTING FLEXIBLE MATERIAL
Robert McC. Johnstone, Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Application August 29, 1939, Serial No. 292,384
1 Claim. (Cl. 28—1)

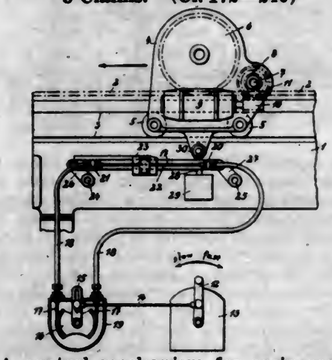


A pressure-applying, liquid-applying and slitting mechanism for acting on flexible material that travels in contact with the surface of a platen roll, including: a pivotally supported and spring-pressed lever; a crushing and impregnating roller, to engage the material on the platen roll, rotatably carried by said lever; a second lever pivotally connected to the first lever; a supply roller, rotatably mounted in said second lever, to supply liquid to the crushing and impregnating roller; means to vary the pressure with which the supply roller engages the crushing and impregnating roller; an auxiliary lever pivotally connected to the first-mentioned lever; a slitting element to engage the material on the platen roll, rotatably mounted in the auxiliary lever; and adjustable means to exert a spring pressure against the auxiliary lever to thereby press the slitting element against the material on the platen roll with a pressure that is independent of that exerted by the crushing and liquid-applying roller against said material.

2,205,565
EXTRACTION OF METALS
Alan Kissock, Laurelton, N. J.
No Drawing. Application May 23, 1939, Serial No. 275,183
6 Claims. (Cl. 75—119)

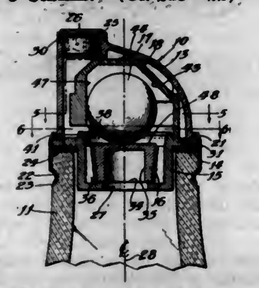
1. A method of extracting nickel or cobalt by the direct oxidation of their sulphides in an aqueous solution containing one or more derivatives of chlorine monoxide.

2,205,566
PRINTING PRESS
Moriz Köllner, Leipzig, Germany
Application June 9, 1937, Serial No. 147,197
In Germany June 13, 1936
8 Claims. (Cl. 172—240)



1. A control mechanism for reciprocable machines having a bed, such as printing presses, comprising a member movable along said bed, an electric motor for imparting movement to said member, a speed controller for said motor, an actuator including adjustable limit means, said limit means being located in the path of movement of said member and being coupled with said controller for cooperation therewith, and means in engagement with said limit means and cooperable with said actuator for regulating the limit of movement of said member upon engagement of the latter with said limit means.

2,205,567
NONREFILLABLE BOTTLE CLOSURE
Tennies F. Kolts, Chicago, Ill., assignor, by mesne assignments, to Warren Buckley, Chicago, Ill.
Application July 15, 1938, Serial No. 219,329
5 Claims. (Cl. 215—22)

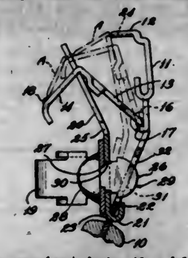


1. A nonrefillable bottle closure comprising, a closure casing adapted to be mounted upon the neck of a bottle and having an outlet opening, a valve housing in said casing having a liquid-conducting passage therethrough for conducting liquid from said bottle neck to said outlet opening of the closure casing, a valve in said valve housing, a ball normally urging said valve into position to close said liquid-conducting passage, a ball-retaining cage within said closure casing, said cage having its internal surfaces shaped in the form of a truncated cone located with its axis substantially parallel to but offset laterally from the main or longitudinal axis of the bottle neck when the closure casing is mounted thereon, and the main or longitudinal axis of the valve and valve housing being coincidental with the longitudinal axis of the bottle neck, said ball retaining cage including a side wall intersecting with the conical internal surfaces thereof and lying in a plane parallel to but offset from the axis of said valve housing beyond the axis of said cage and which plane is perpendicular to a plane passing through and at substantially a right angle to the axes of said valve casing and said cage.

2,205,568
RAZOR
Leopold Kuhnl, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application October 28, 1938, Serial No. 237,406
5 Claims. (Cl. 30—40)

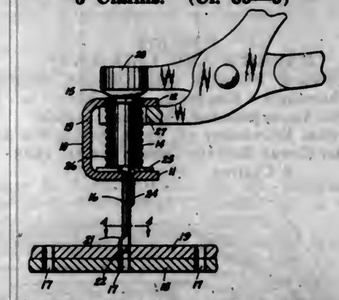
1. In a razor comprising a support provided with two complementary separable clamp members hingedly connected together for clamping a blade in the blade channel between them, a plate hingedly mounted on the support and projecting with a sliding fit through one of said clamp members and adapted by the location of its hinged mounting when the slamp members

are in blade clamping position to be clear of the blade channel, and as the clamp members are



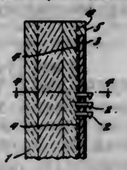
separated to project into the blade channel and thereby constitute an obstruction to the insertion of a blade therein.

2,205,569
FASTENER
Earl B. Lear, Garfield Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application December 2, 1939, Serial No. 307,313
6 Claims. (Cl. 85—5)



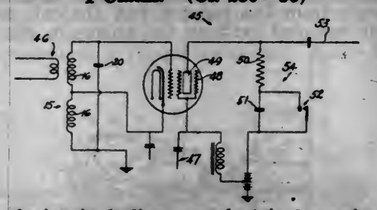
1. A fastener for temporarily holding together at least two perforated sheets, including a channel shaped member having one of its side walls adapted to rest on the upper sheet, a rod slidable through said side wall, a lateral projection on said rod, said projection being insertable through aligned perforations in said sheets for engagement with the underside of the lower sheet, and a spring active between said member and rod for clamping the sheets between said side wall and projection.

2,205,570
TAPE FOR SEPARABLE FASTENERS
John Colby Lewis, Providence, R. I., assignor to Crown Fastener Corporation, Warren, R. I., a corporation of Delaware
Application August 17, 1938, Serial No. 225,273
6 Claims. (Cl. 28—1)



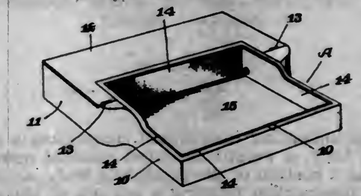
1. A separable fastener tape having a metallic strand woven therein and exposed at the surface of the tape at a multiplicity of closely spaced points, said strand extending parallel to and adjacent one edge of the tape, and a bead affixed to the tape between said strand and said edge.

2,205,571
ELECTRONIC PIANO-ORGAN
Jerome Markowitz, Allentown, Pa.
Application April 30, 1938, Serial No. 205,226
1 Claim. (Cl. 250—36)



A device including an electrical musical instrument comprising an oscillator having a circuit including a space discharge tube having a cathode, a grid, and a second grid, the latter functioning as the anode, an inductance connected between the said grids, a condenser connected across said inductance, output means for said circuit, to which a constant voltage is applied, whereby a sustained tone is produced, an auxiliary anode forming part of said tube to provide an electron coupled oscillator, a second output means connected to the auxiliary anode, and means for changing the voltage on said auxiliary anode to control the output signal voltage obtained from the auxiliary anode.

2,205,572
SCATTERING DEVICE
William O. McCann and Thomas G. Weldon, St. Paul, Minn.
Application May 5, 1938, Serial No. 206,163
10 Claims. (Cl. 273—145)

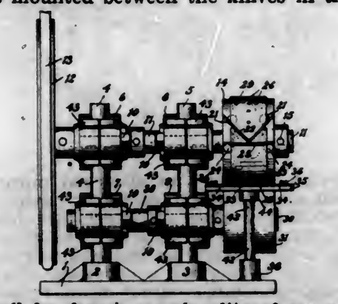


1. A scattering device comprising a movably mounted table upon which articles may be thrown, momentarily operating means for jerking said table with a sudden jerk to move articles thereon with respect to said table, and means actuated by the movement of articles onto said table to actuate said table jerking means.

2,205,573
STRAP CUTTING MACHINE
Maury P. Medwick, Brooklyn, N. Y., and Marte A. Eula, South Norwalk, Conn.
Application January 5, 1939, Serial No. 249,390
1 Claim. (Cl. 164—16)

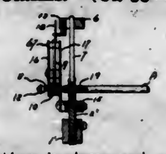
A machine for cutting straps from sheet material comprising, a base, two pairs of spaced vertical shafts arising therefrom, each pair of vertical shafts carrying a lower bearing, a horizontally disposed rotatable shaft mounted in said bearings, each pair of vertical shafts carrying an upper bearing, a horizontally disposed upper shaft supported in the upper bearings, a cutting roll secured on one of the horizontal shafts, an idler roll secured on the second horizontal shaft and co-operating with the cutting roll in severing a section of sheet material fed between the rolls into predetermined lengths, spaced knives

mounted in the cutting roll, one of said knives being V-shaped to thereby produce a tapered end on the strap cut by it, the other knife extending straight across the roll to thereby produce a straight, transverse cut across the strap at a distance from the tapered end thereof, punch means mounted between the knives in the cut-



ting roll for forming a plurality of spaced holes in the strap adjacent to the tapered end thereof, said punch means consisting of tubular elements located in passages formed in the cutting roll, said passages having open ends located at one of the ends of the roll whereby waste material cut out by said punch means may pass out of said open ends.

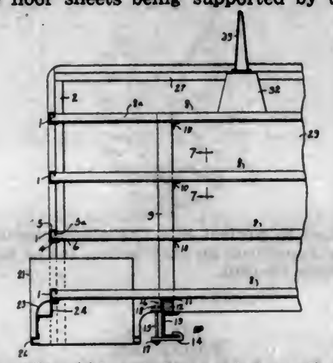
2,205,574
OSCILLATIVE INDICATING INSTRUMENT
George B. Moross, Jackson Heights, N. Y.
Application June 10, 1938, Serial No. 212,983
9 Claims. (Cl. 33—215)



3. An indicating instrument comprising a pendulous body, a weight actuated resilient member forming a portion of the pendulous body, an indicating mechanism forming a portion of the pendulous body, and means connecting said member and mechanism whereby the force of gravity is employed through said weight actuated resilient member to maintain the indicator of the indicating mechanism in a predetermined position during operation of the instrument.

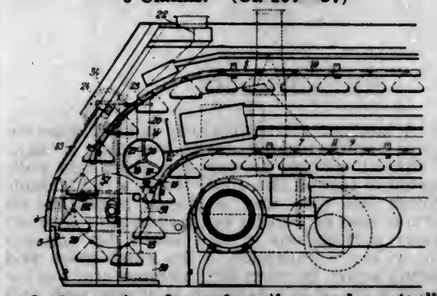
2,205,575
TRUCK BODY
William C. Nabors, Mansfield, La.
Application December 19, 1938, Serial No. 246,541
4 Claims. (Cl. 296—3)

1. A truck body comprising end frames at each end thereof including corner posts, side and end rails connected to the corner posts, said side rails being channel shaped and having upper and lower inwardly extending flanges, the inner margins of the upper flanges being downwardly turned and formed with notches, transverse spacer rails arranged in series the rails of each series being in vertical alignment, said spacer rails having laterally extending head flanges and upstanding legs, the ends of said spacer rails resting on the lower side rail flanges and the legs extending into the corresponding notches, standards upstanding adjacent the respective series of spacer rails and on which said spacer rails are supported, means for supporting said standards, floor sheets between the spacer rails and between the end spacer rails and the end rails the margins of the floor sheets being supported by the ad-



jacent rails, said end frames being effective to prevent endwise movement of the side rails, and the co-acting notches and spacer legs preventing movement of the spacers relative to the side rails.

2,205,576
BAKER'S AND LIKE OVEN
John Edward Pointon and Claude Dumbleton, Peterborough, England, assignors to Baker Perkins Incorporated, Saginaw, Mich.
Application December 28, 1939, Serial No. 311,396
In Great Britain December 16, 1938
6 Claims. (Cl. 107—57)

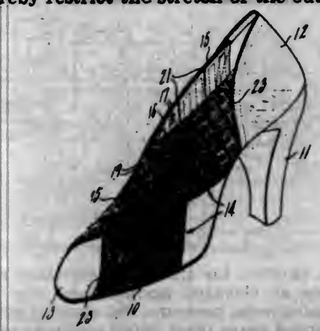


1. Apparatus for exhausting and controlling the flow of atmosphere in an oven having a travelling tray conveyor which passes through an ante-chamber or zone adjacent the charging door, comprising an inverted channel opening downwardly disposed transversely in the ante-chamber adjacent the charging door and connected with a source of suction, the lateral edges of the channel being adjustable up and down to alter the direction of flow and the level at which the oven atmosphere can enter the channel.

2,205,577
SHOE ADJUSTABLE TO THE FOOT
Edward F. Roberts, Rye, N. Y., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 23, 1937, Serial No. 155,199
2 Claims. (Cl. 36—45)

1. A shoe adapted to be easily and quickly fitted to the particular contour of the foot of a person after having been built to fit a different shape foot, and having the upper thereof formed

at least in part of an outer elastic fabric of relatively strong contractive force and an underlying non-elastic lining for holding the shoe as close to its original shape as is consistent with its fitting of the foot, said lining being firmly secured to the outer elastic fabric along spaced rows extending transversely to the direction of stretch to thereby restrict the stretch of the outer fabric



between said rows to that permitted by the underlying fabric between the same rows, and said lining being slitted between at least some of said rows and adapted to be further slitted to render elastic the particular portion of the shoe upper overlying a particular slit, while the slit is concealed at the exterior of the shoe by the outer elastic fabric.

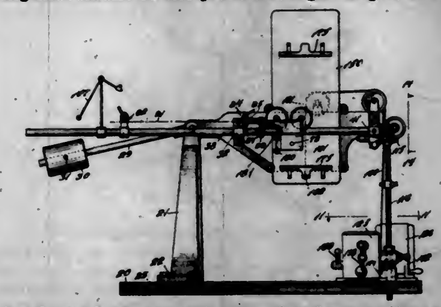
2,205,578
BAT
William V. Schnur, Glencoe, Ill., assignor to P. Becker & Company, Chicago, Ill., a corporation of Illinois
Application February 7, 1940, Serial No. 317,675
2 Claims. (Cl. 273—75)



1. A bat handle comprising a solid central portion, air conduits positioned at opposite sides of said central portion and opening through the outer end of the handle and extending lengthwise thereof but short of the inner end of the handle, the outer portion of said handle being provided with a plurality of apertures extending from the outer surface of said handle to said air conduits.

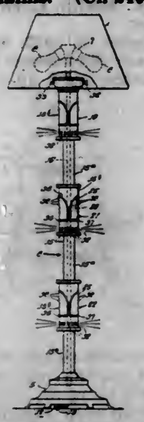
2,205,579
TESTING MACHINE
David C. Scott, Providence, R. I., assignor to Henry L. Scott Company, a corporation of Rhode Island
Application December 7, 1937, Serial No. 178,473
14 Claims. (Cl. 265—2)

1. In a testing machine, means for anchoring one end of a specimen, a normally horizontal tiltably mounted track, means for tilting the track, a carriage on the track to which the free end of the specimen is secured and tending to move along the track upon tilting of the track from a horizontal position to apply tension to the specimen increasing as the angle of tilt of the track is increased from a horizontal position, a platen for a chart, guides tiltable with the track for directing movement of the platen at right angles to the



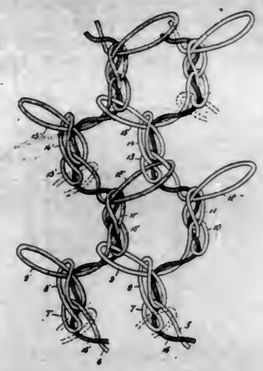
track, such movement occurring by gravity, said guides and platen being movable with the track as tilting occurs, means associated with said platen for controlling the right angular movement of said platen in accordance with the tilting of said track, and a marking means movable in response to the movement of the carriage relative to the track to record the movement of the carriage along the track.

2,205,580
LAMP CONSTRUCTION
Samuel Sher, Chicago, Ill.
Application March 24, 1938, Serial No. 197,778
4 Claims. (Cl. 240—81)



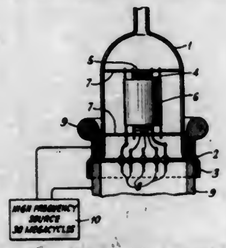
1. A lamp comprising a base, a vertically disposed pedestal mounted thereon and comprising a plurality of elongated hollow tubular members, certain of said members having openings formed in their respective wall portions and spaced longitudinally of the pedestal at various substantial distances above said base, said certain members having a plurality of series of annularly spaced apertures formed therein between the bottom thereof and the respective openings, a plurality of panels removably mounted, respectively, in said openings and forming closures therefor, and a lamp socket mounted on each of said panels within said certain tubular members.

2,205,581
KNITTED FABRIC
Aaron S. Staff, New York, N. Y.
Application December 8, 1939, Serial No. 308,114
4 Claims. (Cl. 66—192)



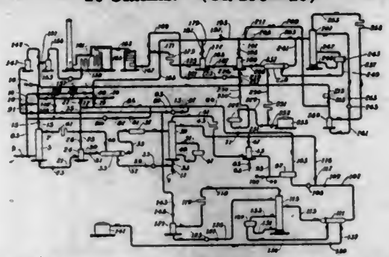
1. A knitted fabric characterized by a uniform pattern of hexagonal meshes and consisting of a plurality of knitted warp threads each formed into a series of knitted loops with each series having loops extending alternately at opposite sides and interlocked with the series of knitted loops on the opposite sides thereof, and unknitted warp threads intermeshing with and running through each series of knitted loops.

2,205,582
METHOD OF SEALING GLASS
Karl Steimel, Berlin-Steglitz, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 18, 1937, Serial No. 180,508
In Germany November 30, 1936
2 Claims. (Cl. 49—81)



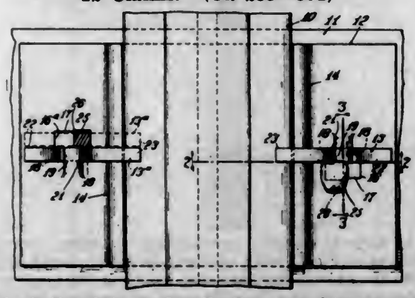
2. The method of electrically welding by fusion in juncture a glass part having an annular flange to a glass member having an annular sheet portion coextensive with said annular flange which consists in placing said glass member contiguous with and overlapping said flange to provide an annular zone of contact of said member and said part coextensive with the annular surface of said flange, applying to said flange and said member on opposite sides of said zone of contact annular electrodes coextensive with said flange, producing between said annular electrodes an ultra high frequency electrical discharge to heat the glass of said flange and of said part at said zone of contact and welding the annular flange and glass member to each other over the heated zone of contact by pressing them together between the electrodes.

2,205,583
METHOD FOR CONVERTING HYDROCARBON GASES INTO LIQUIDS
Cary R. Wagner, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application November 22, 1935, Serial No. 51,041
10 Claims. (Cl. 196—10)



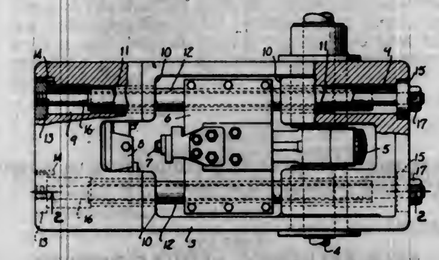
1. In a process for the polymerization of olefinic gases at elevated temperature and under super-atmospheric pressure, the steps of separating unreacted gases from liquid products in three stages wherein the first stage is at substantially reaction pressure and relatively low temperature and the subsequent stages are at progressively lower pressures, recycling a fixed amount of gas for admixture with fresh gases charged to the process, and automatically regulating the recirculation from the separating stages so that all the rich olefinic gas up to said fixed amount is recycled from the last stage and any deficiency in said fixed amount is made up from leaner olefinic gases from the second stage.

2,205,584
TIE PLATE AND SPRING CLIP
Harold G. Warr, Park Ridge, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware
Application August 4, 1938, Serial No. 222,986
12 Claims. (Cl. 238—304)



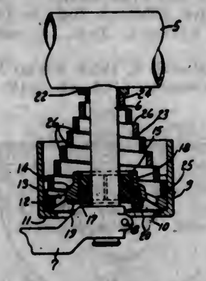
1. A tie plate and rail clip assembly comprising a tie plate having a rail supporting seat, an opening through the plate at one side of the seat and formed with a lug which projects into the said opening from one wall of the opening and in spaced relation to the adjoining walls thereof and having its bottom surface located between the top and bottom planes of the tie plate; a resilient clip having an end portion for overlying the rail seat, an end portion for exerting resilient pressure on the tie plate, and a downwardly bowed intermediate portion adapted to be inserted in said opening adjacent the end of said lug and moved laterally therein to a position embracing the bottom and opposite sides of said lug.

2,205,585
HEADER
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application December 3, 1938, Serial No. 243,884
8 Claims. (Cl. 78—36)



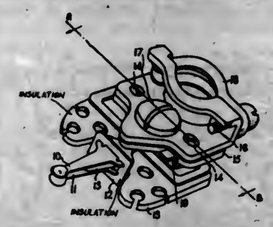
1. In a header or the like, a frame having spaced sides and ends connecting the sides, the ends having spaced openings on each side of the frame which aline longitudinally of the frame, a ram within the frame, a pair of elongated hollow members connected to the ram on opposite sides of the latter and having ends slidably mounted in the respective openings of the ends of the frame, a rod extending through each of the hollow members whereby to be completely housed thereby and by parts of the ends of the frame, and means to connect the ends of each rod to the adjacent end of the frame, so as to prevent stretching or extension of the latter.

2,205,586
SPRING UNIT
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Battle Creek, Mich., a corporation of Michigan
Application June 2, 1938, Serial No. 211,417
3 Claims. (Cl. 267—4)



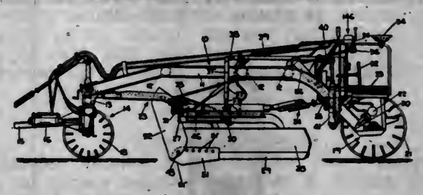
1. In combination, a spring assembly for a rail car truck comprising relatively movable alined center post and spring pot members, said post member having a thrust plate adjacent one end thereof, said spring pot member having an apertured base through which the opposite end of said post member extends, a spider seated within said pot member and having a resilient buffing ring encircling said post member adjacent said opposite end thereof, a flange on said spider limiting axial movement of said ring in one direction, means detachably secured to said spider for retaining said buffing ring against axial movement in the opposite direction, and a coiled spring biased between said thrust plate and said spider and confined laterally by said pot member.

2,205,587
AUTOMATIC SWITCH
Denis Wright, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application March 27, 1937, Serial No. 133,338
In Great Britain April 6, 1936
6 Claims. (Cl. 200—166)



1. In a rotatable switch shaft wiper assembly, a plurality of wiper springs, a mounting member for said springs, a second member, means for mounting said second member on a switch shaft, means for loosely mounting said first member on said second member, said loose mounting providing space between said members, and a film of oil filling said space so that said members are mechanically insulated from one another to prevent vibrations of said second member from being transmitted to said wiper springs.

2,205,588
ROAD GRADER
Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Application May 12, 1938, Serial No. 207,561
8 Claims. (Cl. 37—156)

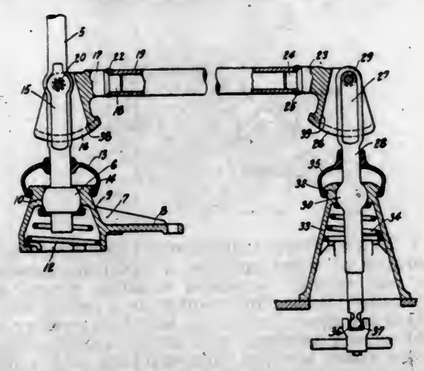


1. In a road grader, the combination with a main frame, of a drawbar attached to said frame, a circle mechanism carried by said drawbar, a moldboard carried by said circle mechanism and adjustable with respect to said drawbar, a bank sloper attached to said moldboard for adjustment relative thereto, power operated means for adjusting said moldboard relative to said frame, and power operated means extending between said circle mechanism and said bank sloper for adjusting said bank sloper relative to said moldboard, both of said power operated means being operable from a single operator's station.

2,205,589
GEAR SHIFTING MEANS
Leo A. Bixby, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application March 15, 1939, Serial No. 261,877
4 Claims. (Cl. 74—473)

1. In combination, a shift lever having universal support adjacent one end and a flattened intermediate portion, a motion transmitting rod, a second lever having universal support inter-

mediate its ends and having a shift rail engaging portion at one end and a flattened portion on the opposite side of said support, brackets secured to the ends of said rod and having parallel arcuate wing portions respectively engaging the flattened portions of said levers, and transverse pin means connecting each lever to the adjacent



bracket whereby lateral rocking of one lever rocks said rod and the other lever a corresponding amount and fore and aft movement of one lever is transmitted by said pin means and rod to the other lever, said wing portions having transverse webs limiting fore and aft movement of said levers.

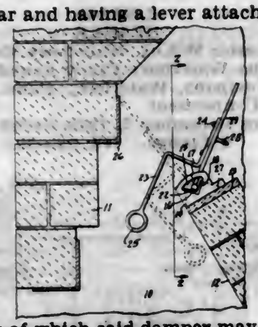
2,205,590
SAFETY RAZOR
Hyman D. Bowman, Pittsburgh, Pa.
Application November 15, 1937, Serial No. 174,591
10 Claims. (Cl. 30—43)



1. In a safety razor, a main-frame and covers therefor; a drive motor and a rotary cutter actuated thereby; a cylindrical guard for and surrounding said cutter, and means rotatably mounted about said guard to stretch the skin of a shaver during the shaving act.

2,205,591
FIREPLACE DAMPER
Gustav N. Brunander, Portland, Oreg.
Application March 20, 1939, Serial No. 262,861
3 Claims. (Cl. 126—288)

2. A fireplace damper consisting of an angle iron adapted to be mounted over the fire wall of a fireplace and having the ends thereof slidably mounted in the end walls of the fireplace, a damper adapted to have its lower edge pivot in said angle bar and having a lever attached there-



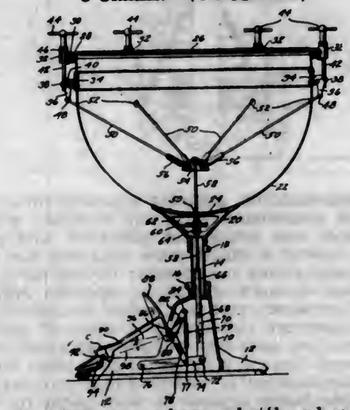
to by means of which said damper may be moved to an open or a closed position.

2,205,592
SELF-RELEASING VEHICLE BUMPER
Alexander C. de Hoffmann, New York, N. Y.
Application September 2, 1937, Serial No. 162,096
4 Claims. (Cl. 293—55)



1. A disentanglement attachment for motor vehicle bumpers comprising in combination with a bumper bar, an attachment member fixed to said bumper bar and including a body of substantially clover leaf shape in side elevation having round end surfaces and an intermediate round surface, and rest shoulders at the juncture of the intermediate round surface with the round end surfaces substantially as and for the purpose specified.

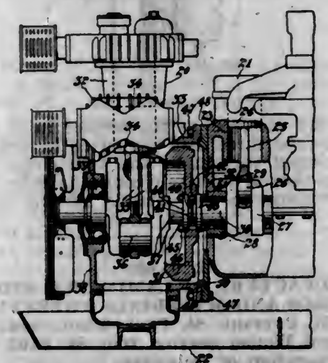
2,205,593
TYMPANO
Le Roy J. Jeffries, Elkhart, Ind., assignor to C. G. Conn Ltd., Elkhart, Ind., a corporation of Indiana
Application March 6, 1939, Serial No. 260,119
5 Claims. (Cl. 84—419)



1. In a tympano, a base, a kettle, a head, means for varying the tension of the head including a primary pull rod, a shoe operatively connected to the primary pull rod, pedal means mounted

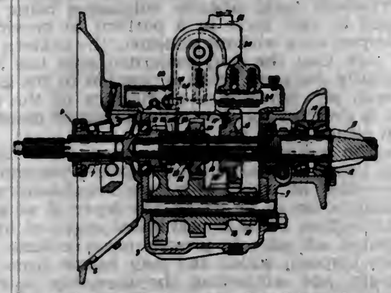
on the base, an elongated cam member moved by said pedal means and having a self locking wedging surface engaging the shoe and moved lengthwise across the shoe when the pedal means is operated to vary the pull on the primary pull rod, said self-locking wedging surface being so constructed that its wedging angle is less than the angle whose tangent is equal to the coefficient of friction between the shoe and said wedging surface, said pedal means being constructed with a heel portion and a toe portion and being operable in opposite directions by pressure of either the heel or the toe.

2,205,594
COMPRESSOR OUTFIT
Joseph W. Jones, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application June 12, 1937, Serial No. 147,846
1 Claim. (Cl. 74—595)



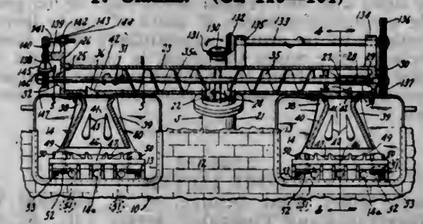
A device of character described comprising two casings, a drive shaft in one casing, a driven shaft in the other casing, flanges on the shafts, a bearing for one end of the driven shaft, a fly-wheel on the driving shaft forming the sole support for the other end of the driven shaft and lying solely within one of the casings, and means for clamping the fly-wheel between the flanges.

2,205,595
TRANSMISSION
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application October 7, 1939, Serial No. 298,415
10 Claims. (Cl. 74—475)



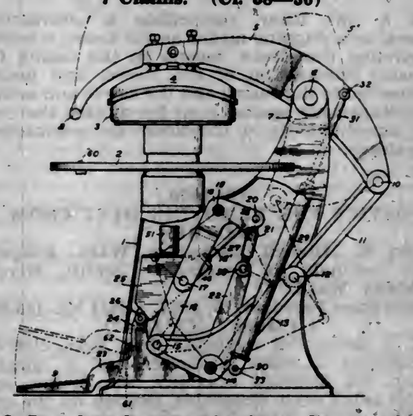
1. In a transmission, a plurality of parallel shift rails, a transverse shaft extending thereabove, a collar keyed to said shaft for axial movement thereon, means for selectively shifting said collar to engage each of said rails, means for rocking said shaft to move the engaged rail longitudinally, an arm secured to said shaft and having a spring pressed plunger extending radially therefrom, an arcuate shoe over which said plunger rides during rocking of said shaft, a recess therein receiving said plunger for locating said shaft in neutral position, and means for shifting said shoe to adjust the neutral position of said shaft.

2,205,596
STOKER
Nathan M. Lower, Erie, Pa.
Application April 22, 1937, Serial No. 138,281
17 Claims. (Cl. 110—104)



2. The combination with a material receiving chamber, of feeding mechanism comprising a pair of laterally spaced devices for feeding material into the chamber, a feed conduit above the level of said feeding devices, said feed conduit having a discharge opening in the lower half thereof adjacent each of its ends communicating with a respective feed device and a receiving opening between said discharge openings, means in said feed conduit for conveying material toward said discharge openings, each of said discharge openings being formed to provide a helicoid spill edge extending circumferentially of the conduit whereby material will drop over said spill edge to said feed devices in a stream spreading lengthwise of the conduit.

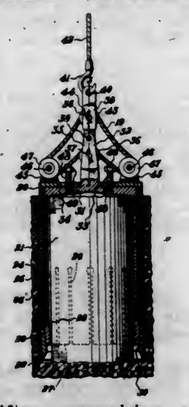
2,205,597
LAUNDRY PRESS
Stanley Marvin, San Francisco, Calif., assignor, by mesne assignments, to B. E. Witkin, Oakland, Calif.
Application February 20, 1937, Serial No. 126,858
7 Claims. (Cl. 38—36)



2. In a laundry press having a frame, a lower buck on said frame, and an upper buck carried

on the forward end of a presser arm pivotally supported to the frame of the press for lifting from the work, and with the rear end of the presser arm extending beyond the pivot, a pressure applying lever system comprising a plurality of bell crank levers each having a long and a short arm and each bell crank pivoted at the juncture of its arms to a fixed axis on said frame, a plurality of links each pivotally connected at one end with the long arm of one bell crank and at the other end with the short arm of another bell crank to form a connected series of toggles in substantially quadrangular confronting arrangement and with one end link pivoted to the rear end of the presser arm, and with the opposite end link of the series pivotally connected to a pressure applying lever, the pivotal relation of the links and bell cranks being such as to provide a connected series of pairs of toggle levers arranged to be swung substantially with their pivots in line when the press is closed, and to swing outward from their quadrangular arrangement when the pressure is released and the press open.

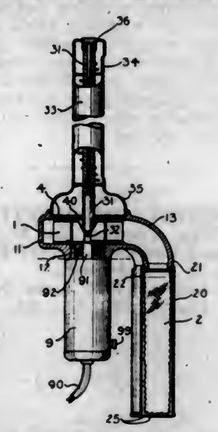
2,205,598
CORE LIFTER
Frank Miller, East Orange, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application December 1, 1938, Serial No. 243,361
6 Claims. (Cl. 255—72)



1. A core lifter, comprising a contractible sleeve, core gripping means on the sleeve, a casing encircling the sleeve, means on the casing for causing contraction of the sleeve, and means connected to the casing and the sleeve and acting simultaneously against both for moving the casing longitudinally of the sleeve for contracting the sleeve.

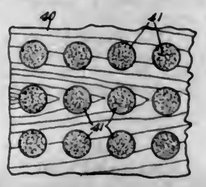
2,205,599
DEVICE FOR REMOVING DUST FROM CLOTHES
Harry R. Mitchell, Bremerton, Wash., assignor of one-half to Douglas G. Smith, Mercer Island, Wash.
Application February 23, 1937, Serial No. 126,965
4 Claims. (Cl. 15—7)

1. A device for removing dust from clothes, comprising a motor, a blower, and a rotative brush, all disposed coaxially, the blower and brush being each removably secured on the end of the motor shaft, a blower casing having a solid wall at one side for securement to the motor, and an inlet opening at the opposite side of a size for the passage of the blower, and having a lateral outlet, a dust sack connected to the outlet, a slotted tube closely surrounding the brush and belled at its inner end, such inner end being



threadedly received in the blower inlet, and a centrally apertured disk supported in such inlet, and clamped therein by the belled end of the tube, its central aperture confining inlet to the blower casing to the vicinity of the blower's axis.

2,205,600
MANUFACTURE OF LAMINATED STRUCTURES AND MATERIALS THEREFOR
Henry H. Payzant, St. Paul, Minn., assignor to General Timber Service, Inc., St. Paul, Minn., a corporation of Delaware
Application October 31, 1935, Serial No. 47,606
10 Claims. (Cl. 154—2)



1. Ply-wood comprising in combination two interfacially related plies of wood with the grains of the woods at right angles to each other, and a layer of adhesive substance uniting said plies interfacially, said ahesive substance being arranged in said layer in a pattern to provide a patterned area without adhesive, the pattern being such that the said patterned area has substantially the same relative position to the grain of each ply, whereby the efficiency of the said area is greatest for the transmission of moisture from either ply to the other.

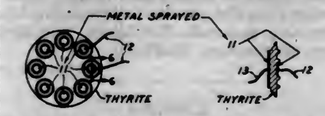
5. The method of making ply-wood having at least three layers, which comprises assembling three plies of wood with two interfacial continuous layers of adhesive, the layer in at least one interface being a perforated sheet of heat-activated adhesive to provide areas lacking adhesive through which gas may escape from the mid-ply, and subjecting the assembly to heat and pressure, said areas serving to hasten the dissipation of pressure in the mid-ply whereby to permit earlier release of the applied pressure.

2,205,601
SANITARY BRUSH
Frank Satz and Mel Berns, Los Angeles, Calif.
Application August 5, 1938, Serial No. 223,154
7 Claims. (Cl. 15—185)



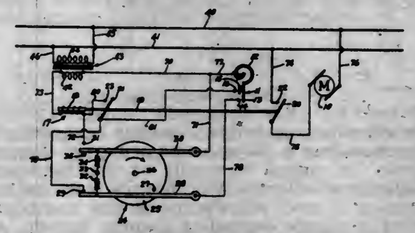
1. A device of the class described comprising a handle; a housing at one end of the handle and composed of a plurality of sections; co-acting means on the handle and housing sections by which the latter are pivotally mounted to occupy an open position wherein the sections are spread apart sufficiently for the passage of a brush, and a closed position wherein the sections are adapted to co-act in sealing the brush within the housing; said means including trunnions on the sections and bearing portions on the handle opening in a direction laterally of the length thereof to require that the housing sections be moved laterally with respect to the handle in order to be applied to and removed from the handle; means reciprocably mounting a brush in the handle to occupy a retracted position between said sections, and an advanced position beyond the end of the housing; and means on said mounting means coactable with the housing sections to move them to closed or open position according as the brush is moved to retracted or advanced position and to prevent lateral displacement of the sections from their pivotal mountings.

2,205,602
SPARK QUENCHING ARRANGEMENT
Willie Saville, Huyton, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application March 26, 1938, Serial No. 198,182
In Great Britain April 6, 1937
4 Claims. (Cl. 175—294)



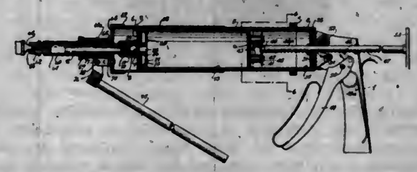
1. In a spark quenching arrangement comprising a plurality of inductive circuits, a single body of material the resistance of which is substantially the same for both directions of current flow but which decreases with increase of voltage, and individual and separate connecting means connecting each said circuit to said single body, and means whereby said single body in combination with said individual connecting means comprises a common spark quenching circuit for said plurality of circuits to dissipate the inductive discharge current caused by the opening of any one or more of said circuits thereby preventing sparking in said circuits at their open circuit points.

2,205,603
CONTROL SYSTEM
William M. Schweickart, Ramsey, N. J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 13, 1933, Serial No. 693,448
25 Claims. (Cl. 236—46)



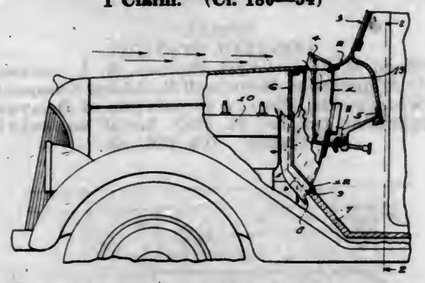
1. The combination of a stoker to provide heat for a space to be heated, a thermostat subject to the temperature of said space and having a plurality of pairs of contacts engageable at different temperatures, connections from one of said pairs of contacts to the stoker to put the stoker into continuous operation when the temperature at the thermostat is at a relatively low degree, means to operate the stoker intermittently, and connections from another of said pairs of contacts to said means to put the stoker into intermittent operation when the temperature at the thermostat is at a higher degree, said stoker being rendered inoperative when the temperature is at a still higher degree.

2,205,604
DISPENSING APPARATUS FOR PLASTIC MATERIAL
William E. Sherbondy, Shaker Heights, Ohio
Application February 28, 1936, Serial No. 66,201
4 Claims. (Cl. 221—47.4)



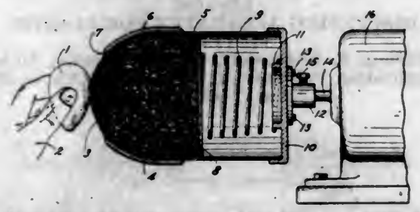
1. In a dispensing gun, a main cylinder arranged lengthwise of the gun and having a discharge passage at one end of the gun adapted to be forced into peripherally sealed relationship with a receiving passage by lengthwise pressure applied to the gun, piston means in the cylinder, feeding means for the piston, said means including a fixed handle on the main cylinder and an actuating member operable by the fingers of one hand while maintaining pressure lengthwise of the gun on said handle, a booster cylinder and piston operably associated with the discharge passage of the main cylinder to increase the feeding force of material at the discharge passage and lever means operatively connecting the boosted cylinder and pistons, said lever means being operable by the other hand of said operator without having to release said endwise pressure on the gun at said handle.

2,205,605
ENGINE COOLING DEVICE
George Daniel Stewart, Atlanta, Ga.
Application November 20, 1939, Serial No. 305,370
1 Claim. (Cl. 180—54)



In combination, a motor vehicle comprising a body including a dashboard having an opening therein, an engine forwardly of the dashboard in alignment with the opening, the body further including a cowl rearwardly of the dashboard having a closure controlled opening therein, an air conduit mounted beneath the cowl and having one end secured thereto in communication with the opening therein, said conduit extending through the opening in the dashboard and terminating in a flared outlet end portion closely adjacent the rear end of the engine for discharging air thereagainst for cooling said engine, and means at an intermediate point on the conduit for discharging a portion of the air into the body of the vehicle.

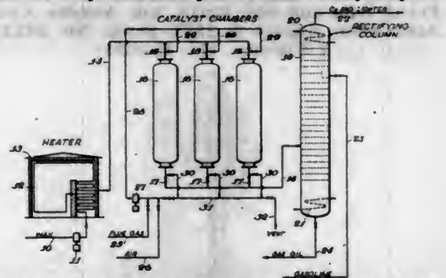
2,205,606
EGG CLEANING DEVICE
Russell C. Storer, Cleveland, Ohio
Application January 24, 1938, Serial No. 186,515
5 Claims. (Cl. 15—93)



5. In an egg cleaning device, a housing having a restricted opening at one end, a plurality of disc shaped bats of steel wool disposed in said housing, a plunger member having a convex surface, said surface engaging the steel wool bat most remote from said opening, spring means tending to push said plunger disc toward said opening, and means for rotating said housing.

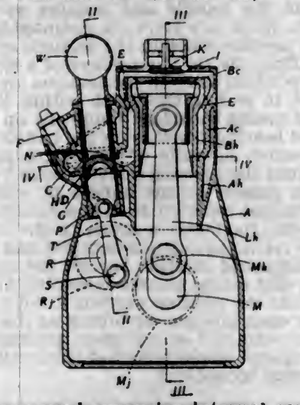
2,205,607
MOTOR FUEL FROM WAX
Ernest W. Thiele, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application October 26, 1938, Serial No. 236,969
5 Claims. (Cl. 196—50)

1. The method of converting wax into high quality motor fuel which comprises vaporizing and heating said wax to a temperature of about 850° to 1000° F., contacting the heated vapors with a catalyst comprising metal oxides at about atmospheric pressure to 50 pounds per square inch employing a space velocity of about ½ to 4 volumes (liquid basis) per volume catalyst space



per hour, and fractionating the reaction products into at least one gas fraction, a gasoline fraction, and a fraction heavier than gasoline.

2,205,608
INTERNAL COMBUSTION ENGINE
Charles Joseph Tóth, Montevideo, Uruguay
Application May 19, 1938, Serial No. 208,891
In Great Britain September 8, 1937
10 Claims. (Cl. 60—13)



1. A compound expansion internal combustion engine comprising a two-stroke reciprocating engine having a cylinder having an expansion space and a precompression space, and a piston reciprocable in the cylinder to precompress air in the precompression space, a toroidal combustion chamber communicating with the expansion space, means for injecting fuel into the combustion chamber, means for transferring precompressed air from the precompression space to the expansion space, a rotary gas engine, and means for transferring the products of combustion from the expansion space to the rotary gas engine for secondary expansion therein.

2,205,609
MANUFACTURE OF SILICATE-CLAY SUSPENSIONS
James G. Vail, Media, and Chester Leon Baker, Penn Wynne, Pa., assignors to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application January 30, 1936, Serial No. 61,633
4 Claims. (Cl. 255—1)

1. In the manufacture of stable silicate-clay suspensions in strong alkali metal silicate solutions, the process which comprises deflocculating clay by mixing it with a dilute aqueous solution of an alkali metal silicate having deflocculating concentrations within the range of 0.1 to 10 per cent by weight, then adding sufficient additional silicate to produce a resulting viscosity of at least about 20 centipoises, sufficient clay being employed to produce a suspension settling not substantially more than about 50 per cent of clear supernatant liquor in 24 hours.

2,205,610
SAFETY CONTROL FOR AIRCRAFT
Wilhelm van Nes, Brandenburg, Germany, assignor to Arado Flugzeugwerke Gesellschaft mit beschrankter Haftung, Brandenburg (Havel), Germany, a company of Germany
Application May 7, 1938, Serial No. 206,648
In Germany June 7, 1937
7 Claims. (Cl. 244—83)



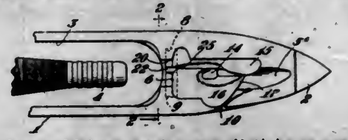
1. In a control system for aircraft having a control member, a controllable surface, and adjustable rods connecting said member and surface, an apparatus for automatically adjusting said rods comprising means movable in response to changes in dynamic pressure, an electric switch operable in response to said movable means, an electric motor electrically connected to said switch, worm gear means connected to said motor, a member angularly displaceable by said worm gear means, and means controlled by said latter member for adjusting said rods with respect to each other.

2,205,611
PERMANENT MAGNET AND PROCESS FOR PRODUCING THE SAME
Günter Wassermann, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 26, 1938, Serial No. 242,636. In Germany November 26, 1937
4 Claims. (Cl. 75—22)

1. A process of producing a permanent magnet which comprises sintering a pressed powder containing a mixture of iron, nickel and aluminum in proportions to produce a magnetic material, at a temperature between about 1200° C. and the fusing point of the mixture, in which powder the aluminum and at least one of the other metals have previously been mixed and subjected to a heat treatment in powder form at about 650° C. to 900° C. for thirty minutes to one hour, and the resulting product again powdered by grinding.

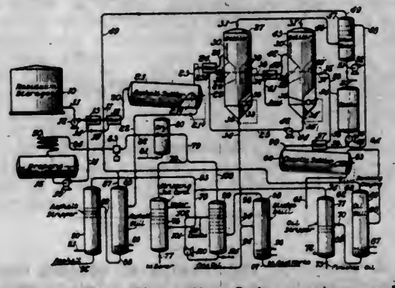
2,205,612
SHUTTLE
Seth Wood, Pawtucket, R. I., assignor to U S Bobbin & Shuttle Company, Lawrence, Mass., a corporation of Rhode Island
Application January 17, 1939, Serial No. 251,300
9 Claims. (Cl. 139—212)

9. In a weaving shuttle having a bobbin-receiving chamber and a yarn guide block, said block having a yarn-guiding passage and a threading slot, in combination, a yarn trap provided with a central opening whose axis is disposed in the vertical plane of the axis of the yarn guide passage of the block, and means so



confining said trap as to permit it to move bodily to a limited extent in response to radial components of pressure exerted by the yarn as the latter balloons from the tip of the bobbin.

2,205,613
OIL REFINING
William H. Bahlke, Hammond, Ind., and Fred W. Scheineman, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application April 29, 1938, Serial No. 205,114
5 Claims. (Cl. 196—13)

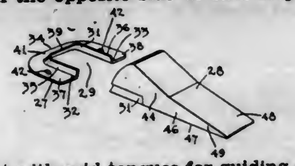


1. In a lubricating oil refining system, a high temperature high pressure asphalt settler, means for introducing oil and propane into said asphalt settler, an acid sludge settler, means for introducing a propane-oil solution from the asphalt settler to the acid sludge settler, means for admixing a fluid sludge with said propane-oil mixture as it flows from said asphalt settler to said acid sludge settler, means for withdrawing acid sludge from the base of said sludge settler, means for diluting said sludge with a normally liquid hydrocarbon, means for removing gases from said diluted sludge, means for neutralizing the removed gases, means for returning the neutralized gases for introduction with further amounts of oil into said asphalt settler means for withdrawing sour oil from said sludge settler and for mixing fresh acid with said sour oil, a second sludge settler means for introducing said mixture into the second sludge settler, means for withdrawing sludge from the second settler and introducing it into said first-named mixer, means for withdrawing sour oil from the second settler, means for neutralizing said oil, and means for removing propane from the neutralized oil.

2,205,614
CLOSURE FASTENER
Carl E. Bashe, Minneapolis, Minn.
Application August 25, 1938, Serial No. 226,711
5 Claims. (Cl. 292—342)

1. A closure fastener comprising a mounting for attachment to the surface of an object with which the fastener is to be used, said mounting having an opening in the center thereof and tongues extending along said opening, a stop having a bearing surface adapted to engage the

surface on which the mounting is attached and means on the opposite side of said stop for en-

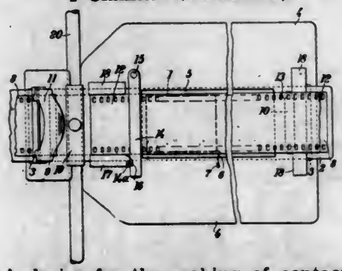


gagement with said tongues for guiding said stop for sliding movement along said tongues and over said surface.

2,205,615
APPARATUS FOR THE MAKING OF CONTACT COPIES OF FILMS

Ferdinand Busse, Munich, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application October 27, 1938, Serial No. 237,236
In Germany October 29, 1937
4 Claims. (Cl. 95—75)



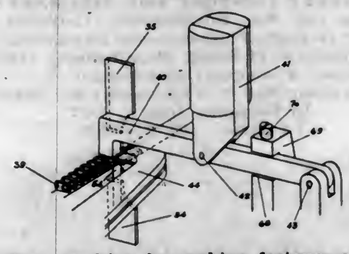
3. A device for the making of contact copies of photographic films comprising a foil having an opening therein at least as wide as an individual picture of a negative film strip and at least as long as a plurality of said pictures, said foil being adapted to be placed on the copying surface of a normal photographic printing apparatus, a masking sheet having an exposure aperture corresponding in size to an individual picture area of said film and mounted on said foil for longitudinal movement of said exposure aperture with respect to said foil opening, and means on said foil for holding said negative strip and a light sensitive paper strip in printing relation with respect to said foil opening and with said paper strip above said masking sheet.

2,205,616
MACHINE FOR MAKING FASTENER STRINGERS

John A. Chappuis, Peseux, Switzerland, assignor to Talon, Inc., a corporation of Pennsylvania

Application May 5, 1933, Serial No. 669,615
In France May 2, 1932
2 Claims. (Cl. 153—1)

1. In a machine for making slide fastener stringers of the type having fastener members consisting of generally flat rectangularly spaced pieces each having clamping jaws which are spread apart at one end and at the other end a projection on one side and a recess on the other side, means for supporting and guiding such fastener members while nested in pack formation with the projection of each member fitting in the recess in the next adjacent member, means for applying a force on the pack to advance it forwardly along the supporting and guiding means, a pair of stop members having stop surfaces extending transversely of the line of movement of the pack and in the path of the spread apart jaws, said stop members being spaced apart slightly more than the width of a fastener member when the jaws are closed, means for guiding a tape between the open jaws of the forward end member of the pack, transversely operating clamping tools adjacent said stop members for closing the jaws of the end member of the pack to clamp it to the tape, and means for feeding the tape and attached member forwardly through the space between the stops to allow said pack advancing means to advance the next member to attaching position against the stop members.

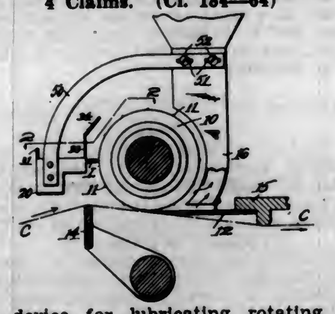


2. In a machine for making fastener stringers of the class described, the combination with means for supporting a tape stringer, means for supplying fastener members successively in position to be attached to the tape, and means for attaching the fastener members to the tape one by one as they are supplied to attaching position; of intermittently operating tape feeding means for forward feeding of the tape between successive attaching operations, which includes a feed member designed to engage one fastener member only on the tape, means for moving said feed member immediately after attachment of each fastener member into positive engagement with the rear face of the last member attached to the tape and for further moving said feed member after it engages the fastener member to advance the tape by force applied directly to said last attached member, means for returning said feed member to its initial position, and gripping means operated by the machine for holding the tape stationary during such return movement of the feed member and for releasing the tape during forward movement of the feed member.

2,205,617
DEVICE FOR LUBRICATING ROTATING CUTTER BLADES

Charles H. Coolidge, Worcester, Mass., assignor to Curtis & Marble Machine Company, Worcester, Mass., a corporation of Massachusetts

Application March 2, 1939, Serial No. 259,374
4 Claims. (Cl. 184—64)



1. A device for lubricating rotating cutter blades which comprises an elongated oil-holding trough, an elongated oil-absorbent strip, and means to clamp said strip in fixed relation to said trough, with its inner edge immersed in oil in said trough and with its outer edge projecting beyond said trough and substantially above the normal oil level in said trough, and firmly supported in close proximity to the locus of movement of the edges of said rotating cutter blades but out of actual contact with said blades.

2,205,618
STREAMLINE HANDLE AND LATCH MECHANISM

Berton J. Councilman, Ogden, Iowa

Application November 29, 1937, Serial No. 177,159
3 Claims. (Cl. 292—347)

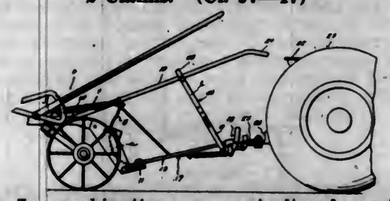


1. In a latch mechanism for mounting on a support or panel, a rotatable and pivotally mounted handle carried by the support and having a portion thereof extending through an aperture in the support or panel, means actuated by the handle upon rotation thereof for operating said latch bolt mechanism, the outer portion of the handle being swingable to a position adjacent to and away from the outer side of the support, and resilient means actuated by the latch bolt mechanism associated with the handle for normally urging the outer portion of the handle adjacent the outer side of the support.

2,205,619
PLOW HITCH CONTROL

Harry E. Covert, Leslie, Mich.

Application September 13, 1938, Serial No. 229,749
2 Claims. (Cl. 97—47)



1. In combination, an agricultural machine including a ground engageable tool, a tractor, a coupling element on the tractor, a hitch normally held engaged with the coupling element by the ground engaging action of the ground engaging element and manual means on the machine accessible to a person on the tractor for operating the hitch independently of the ground engaging element.

2,205,620
METHOD OF STABILIZING FATS AND OILS AND RESULTING PRODUCT

Ernest C. Crocker, Belmont, Mass., assignor to Arthur D. Little, Incorporated, Cambridge, Mass., a corporation of Massachusetts

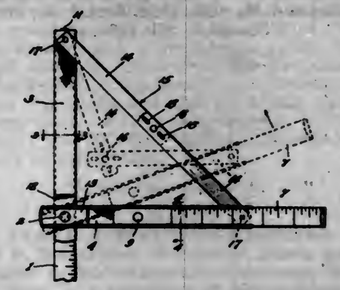
No Drawing. Application July 19, 1939, Serial No. 285,281
18 Claims. (Cl. 99—163)

1. Method of stabilizing edible fats and oils against oxidation or rancidity, comprising the step of treating the same with one or more of the solid components of licorice resin.

2,205,621
ATTACHMENT FOR RULERS

John S. Dulczewski, Amsterdam, N. Y.

Application December 31, 1937, Serial No. 182,902
4 Claims. (Cl. 33—105)

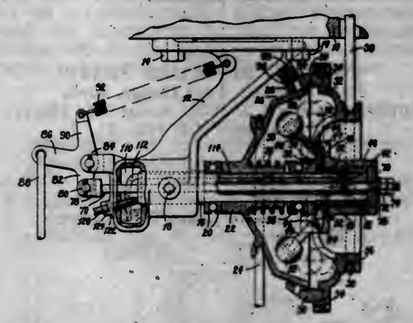


2. The combination with a ruler, of a mitering attachment therefor comprising spaced companion arms pivotally mounted on the ruler and pivotally connected with each other, and a brace consisting of companion strips having their inner portions pivoted to each other and their outer ends pivoted to outer ends of said companion arms, the brace being disposed diagonally between the arms when one arm is disposed transversely of the other arm in an extended position for use and being disposed between the arms longitudinally thereof when one arm is moved about its pivot to a folded position longitudinally of the other arm.

2,205,622
SPEED CONTROLLING DEVICE

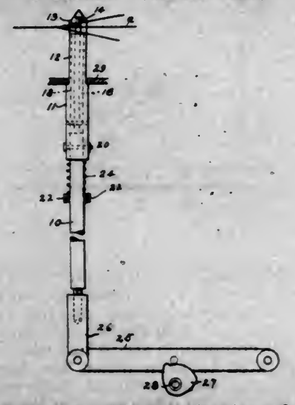
Joseph Fossa, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application October 5, 1938, Serial No. 233,407
9 Claims. (Cl. 192—18)



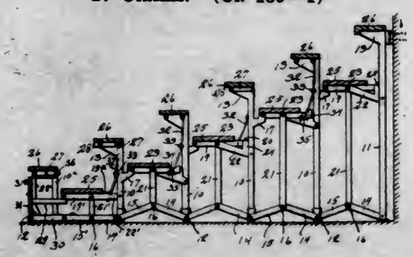
1. A clutch mechanism having, in combination, a shaft, a driving clutch member, a driven clutch member, frusto-conical clutch engaging surfaces on each of said members arranged for engagement upon bodily axial separating movement of said members, a fixed brake member having a braking surface, a frusto-conical braking surface on the driven member arranged for engagement with the first-mentioned braking surface upon axial approaching movement of said members, the frusto-conical clutch engaging surfaces making a more acute angle with the shaft than the frusto-conical brake engaging surfaces, and means for effecting relative axial movement between said members.

2,205,623
CUTTER MECHANISM FOR NEEDLE LOOMS
Johann Gabler, deceased, late of Ettlingen, Germany, by Sophie Gabler, sole heir, Ettlingen, Germany, assignor to F. C. Huyck & Sons, Rensselaer, N. Y., a corporation of New York
Application May 16, 1938, Serial No. 208,301
3 Claims. (Cl. 139—127)



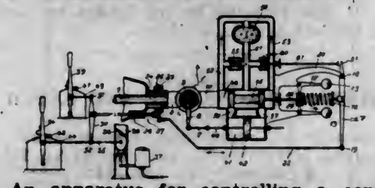
1. Weft thread cutting mechanism of the character described comprising a cutter head having a longitudinally disposed cutting rib provided with a thread-receiving recess, said cutter head also having relatively spaced guideways arranged in planes parallel with said rib but on opposite sides thereof, cutter blades longitudinally movable in said guideways and in a manner to have sliding engagement with the side faces of said rib and coacting with the rib to sever the weft thread, means for reciprocating said cutter head and said cutter blades in unison, and means for temporarily arresting movement of said cutter head during its movement in one direction, said cutter blades being free for continued cutting movement in the same direction.

2,205,624
FOLDING BLEACHER SEATS
Paul E. Horn, Fort Dodge, Iowa
Application April 2, 1938, Serial No. 199,717
17 Claims. (Cl. 189—1)



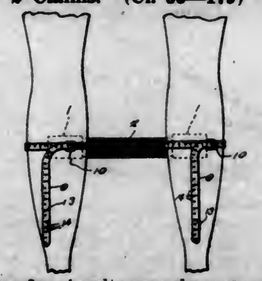
1. A seating structure, comprising a plurality of seats, supports for the seats adapted to be rectilinearly movable toward and from each other, connections between said seats and supports constructed and arranged to cause the seats when moved in a direction away from each other to assume a stepped formation, said means, upon a reverse movement of the seats towards each other, causing the seats to be brought into edge position and form a closed front for the structure.

2,205,625
AIRCRAFT PROPULSION
Otto Mader, Dessau-Ziebigk, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany
Application August 12, 1935, Serial No. 35,748
In Germany August 17, 1934
4 Claims. (Cl. 170—135.6)



1. An apparatus for controlling a constant speed propeller driven by an engine comprising governor means, including speed responsive means, for varying the pitch of the propeller blades, an engine throttle, means interconnecting said throttle and said speed responsive means for varying said speed responsive means and the constant speed setting of the propeller blades upon throttle movement, means responsive to movement of said interconnecting means for maintaining the propeller blades at a constant pitch when said throttle is moved toward closure a predetermined amount, and means for varying the speed responsive means and the position of said movement responsive means relative to said throttle so as to vary the position of the throttle which maintains the propeller at the said constant pitch when the throttle is moved toward closure.

2,205,626
MEASURING DEVICE TO DETERMINE THE SYMMETRICAL SIZE OF EXTREMITIES
Frank E. Mason, White River Junction, Vt.
Application August 2, 1939, Serial No. 288,052
2 Claims. (Cl. 33—179)

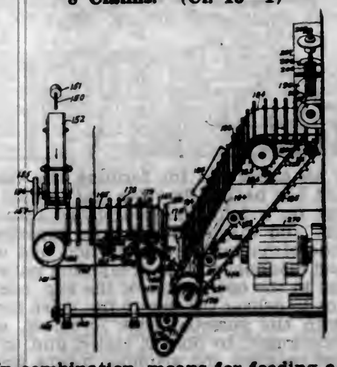


2. A device for simultaneously measuring a pair of limbs comprising a pair of graduated straps for passing around said limbs, a pair of relatively stiff supporting members to which the intermediate portions of the straps are connected and an elastic strap having its ends connected with the supporting members for connecting the supporting members together.

2,205,627
ESTERS OF UNSATURATED POLYHYDROXY ESTRANE
Karl Miescher, Riehen, near Basel, and Caesar Scholz, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 26, 1937, Serial No. 155,825. In Switzerland July 30, 1936
6 Claims. (Cl. 260—397)

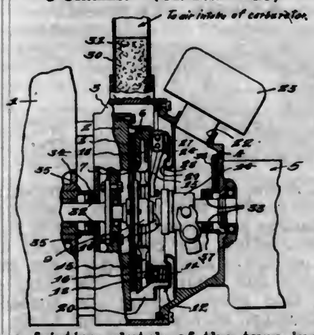
1. The aliphatic acylated compounds of the unsaturated polyhydroxy-estrane series, the acid residues of which contain in the case of the mono-esters more than three carbon atoms, in the case of the di-esters together more than four carbon atoms and in the case of the tri-esters together more than six carbon atoms.

2,205,628
WELDING ROD PROCESSING EQUIPMENT
John R. Morrison, Hudson, Ohio
Application January 9, 1937, Serial No. 119,773
8 Claims. (Cl. 18—1)



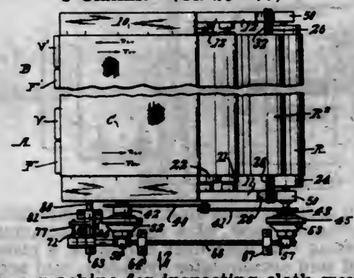
1. In combination, means for feeding a succession of welding rods from a source of supply with sidewise movement in uniform orientation and in uniform endwise alignment; conveyor means for receiving said rods and continuously advancing the successive welding rods in sidewise direction, said rods having a coat of plastic material, a belt having a portion in spaced relation to the conveyor means to receive and to clamp advancing conveyor rods between the belt and the conveyor means, said belt portion and conveyor means having the same direction of travel, at least one end portion of each rod being exposed, a processing means including a motor driven brush arranged in the path of the exposed ends and operating to remove plastic material from the ends of the passing rods, and means for receiving the processed rods in succession and for maintaining the rods in spaced relation.

2,205,629
AIR COOLED CLUTCH CONSTRUCTION
Carl D. Peterson, Toledo, Ohio
Application October 2, 1937, Serial No. 167,007
3 Claims. (Cl. 192—113)



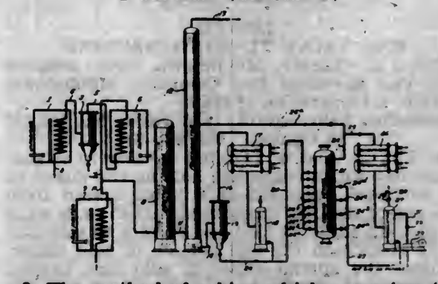
1. In a friction clutch of the type including a driven element extending between a driving element and a pressure ring rotatable with the driving element, and means operable to apply pressure to the pressure ring and to relieve the same of the pressure to release the clutch, the pressure ring being in the form of a centrifugal fan having a central inlet on the rear side thereof, and a clutch housing having an air inlet in the rear of the pressure ring and at one side of the axis of the clutch, and a peripheral outlet located outward radially relative to the pressure ring, and a deflector in the rear of the pressure plate between the plate and the inlet and providing a compartment with which the air inlet communicates, the deflector having a passage located centrally of the clutch.

2,205,630
CLOTH INSPECTING MACHINE
Leland F. Remington, Worcester, Mass., assignor to Curtis & Marble Machine Company, Worcester, Mass., a corporation of Massachusetts
Application September 12, 1938, Serial No. 229,560
3 Claims. (Cl. 26—70)



3. In a machine for inspecting cloth woven in an automatic weft-replenishing loom, a single cloth inspection table, power means to draw a piece of cloth over said table in one direction at a predetermined speed for inspection of the magazine selvage, power means to draw a piece of cloth over said table in the opposite direction and at a substantially higher predetermined speed for inspection of the non-replenishing selvage, and manual means to make said first and second power means selectively operative.

2,205,631
METHOD OF MAKING COKE FROM HYDROCARBON RESIDUES
Albert P. Sachs, New York, N. Y., assignor to Petroleum Conversion Corporation, Elizabeth, N. J., a corporation of Delaware
Application July 6, 1938, Serial No. 217,670
4 Claims. (Cl. 202—5)



2. The method of coking which comprises the steps of depositing a coke yielding hydrocarbon in a vessel to a fraction of the depth thereof to

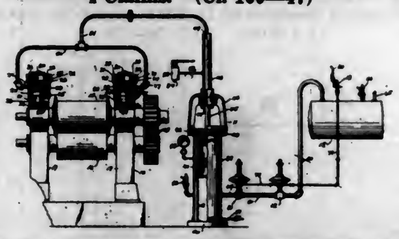
yield a comparatively thin layer of coke such that upon subsequent application of vacuum the coking layer formed will be readily devolatilized, coking the hydrocarbon so deposited, then applying vacuum thereto to devolatilize the same, discontinuing said vacuum when the devolatilization is substantially completed, thereafter adding a fresh charge of said hydrocarbon to the devolatilized coke so formed and continuing the operations of coke formation and devolatilization as aforesaid to build up stepwise a predetermined depth of coke in the vessel.

2,205,632

SUGAR CANE MILL

Eugene A. Schwarz, Snyder, and Otto Faber, Kenmore, N. Y., assignors to George L. Squier Manufacturing Company, Buffalo, N. Y., a corporation of New York

Application December 5, 1936, Serial No. 114,356
4 Claims. (Cl. 100—47)



3. In a sugar cane mill, the combination with an air supply tank, of a hydraulic accumulator, comprising two stationary cylinders, a piston for each of said accumulator cylinders, said accumulator pistons being coactively engaged when producing pressure, one of said accumulator cylinders being connected to the housing cylinders in a closed oil system, the other of said accumulator cylinders being connected in a separate, closed air system, an air pipe connecting said air tank with the air cylinder of said accumulator, a shut-off valve in said pipe, a branch pipe connected in said air pipe and having one end thereof open to the atmosphere, an air relief valve connected in said branch pipe, said supply tank having greater pressure and volumetric capacity than that of the air cylinder of the accumulator for immediately replenishing air losses from the air cylinder of the accumulator, and manual means mechanically interconnected for simultaneously closing said shut-off valve and opening said relief valve, whereby pressure upon the pistons of the housing cylinders may be instantly removed by release of pressure within said air system.

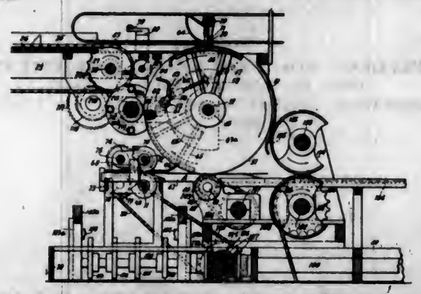
2,205,633

BAG VALVE TUCKING MACHINE

William E. Sharkey, Middletown, Ohio, assignor to The Raymond Bag Company, Middletown, Ohio, a corporation of Ohio

Application February 18, 1938, Serial No. 191,207
52 Claims. (Cl. 93—8)

6. The method of forming a valve in a gusseted bag which comprises holding the gusset in its collapsed condition at a point spaced from one end of the bag, spreading apart the side walls of the bag adjacent said end thereof to substantially straighten the end portion of said gusset, holding the spread edges of said bag against movement at points spaced from said end of the bag, spreading apart the end portions of the side walls of the bag, bending the straightened portion of said gusset to a transverse position between said side walls to control the final folding of the valve and then folding said portion of said gusset inwardly along an intermediate longitudinal line and collapsing the side walls of the bag.



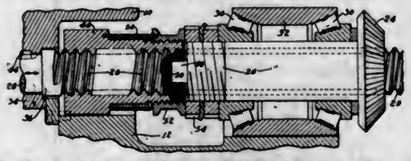
45. In an apparatus for forming the valve of a gusseted bag having its valve end formed from the gusset on a fold line established transverse the gusset and diagonal fold lines tapering inwardly therefrom to the center fold line of the gusset and diagonal fold lines tapering outwardly therefrom to the open edges of the bag, comprising means to deliver the bag to the valve forming device with the gusseted edge foremost, means to grip the gusset to hold it closed and to open the gusset between the gripping means and the lateral open edge along the first named diagonal lines so as to establish the fold line transverse the gusset, means thereafter to open the bag so as to extend the same to straighten out the gusset along the second named diagonal lines, means thereafter to lay over the expanded portion of the gusset on the said transverse line, means thereafter to engage the center line of the laid over gusset portion and bend it inwardly to tuck the said laid over gusset portion within the walls of the open side of the bag, the operation of said means being accompanied by relaxation of both spreading means, and means timed thereupon to engage the bag and feed it away in the opposite direction of the path of delivery, the said clamping means arranged to release the gusseted edge of the bag previous to the feeding away means coming into operation.

2,205,634

SCREW AND NUT DRIVING CONNECTION

Harold S. Sizer, Pawtucket, R. I., assignor to Associated Patents, Inc., a corporation of Ohio

Application August 5, 1939, Serial No. 288,645
8 Claims. (Cl. 90—22)



1. In a screw and nut driving connection for moving one support with relation to another having mechanism for removing backlash from the driving connection, the combination of a screw mounted on one of said supports, a nut threaded to the screw and mounted on the other of said supports, said screw having the thread helix thereof arranged at a self-locking angle, means for causing relative rotation between the screw and the nut, a second nut threaded to the screw,

and a take-up device comprising tensioning means, and take-up means actuated thereby having an irreversible take-up action to impart relative take-up movements to said nuts.

2,205,635

METHOD OF CHANGING THE CHARACTER OF SOLUTIONS BY BASE EXCHANGE

Pieter Smit, Amsterdam, Netherlands, assignor to N. V. Octrooien - Maatschappij "Activit," Amsterdam, Netherlands

No Drawing. Application January 10, 1935, Serial No. 1,266. In the Netherlands January 19, 1934

13 Claims. (Cl. 210—24)

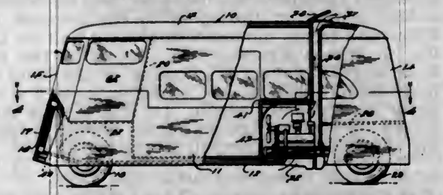
1. In the treatment of electrolytes containing saline cations, the process which comprises exchanging said cations by passing such an electrolyte in contact with a bed of humic zeolite produced by treatment of carbonaceous materials at temperatures not substantially exceeding 300° C. with more than an equal weight of a strongly dehydrating reagent reacting upon said carbonaceous material to form acidic humic compounds.

2,205,636

MOTOR VEHICLE

Frank M. Smith, Dearborn, Mich., assignor, by mesne assignments, to Stout Engineering Laboratories, Inc., Dearborn, Mich., a corporation of Michigan

Application August 16, 1937, Serial No. 159,208
3 Claims. (Cl. 180—54)



1. An automotive vehicle including front and rear walls, side walls, a floor, and a roof, a partition extending transversely of the vehicle substantially forwardly of the rear wall thereof, an opening in the floor of said vehicle in substantially the central portion thereof extending forwardly from said partition, a motor for driving said vehicle mounted in said opening, said partition embodying a flue extending vertically through the roof of the vehicle, and a removable housing adapted to cooperate with said floor, partition and flue serving to enclose said motor, and means for sealing the marginal portions of said housing to preclude communication between the interior of said housing and the interior of said vehicle body.

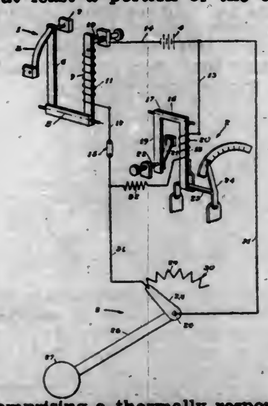
2,205,637

ELECTRICAL INDICATING SYSTEM

Theodore J. Smulski, Knox, Ind., assignor to The Anderson Company, Gary, Ind., a corporation of Indiana

Application November 10, 1938, Serial No. 239,840
10 Claims. (Cl. 171—95)

6. The combination comprising an electrical indicating instrument responsive to the total energy flowing therethrough, an adjustable resistor connected in circuit with said instrument to control the flow of energy therethrough, means responsive to a condition to be indicated for adjusting said resistor, a source of electric power subject to voltage variations, and means connected in series with said source for maintaining substantially constant the average flow of energy through at least a portion of the circuit, said



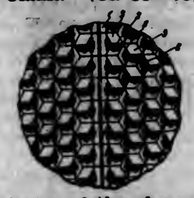
means comprising a thermally responsive device provided with a heating coil, a pair of contacts connected in series with said coil, one of said contacts being controlled by said thermally responsive device.

2,205,638

REFLECTING DEVICE

Jonathan C. Stimson, Chicago, Ill.

Application January 3, 1938, Serial No. 183,073
1 Claim. (Cl. 88—78)



A reflecting device of the character described, comprising, a plate divided to provide adjacent reflector areas on opposite sides of a bisecting division line each reflector area being composed of a series of contiguous successive rows of reflecting units of the type in which a series of square reflecting surfaces are arranged relatively at right angles and in a circuit around its axis, all of said units being arranged with their axes parallel, and the units of each area being arranged in contiguous relation with the square surfaces of the several units intersecting so as to form merging hexagonal apertures therefor, the corresponding surfaces of each area lying in parallel planes, the surfaces of one area which are in planes parallel to the division line being located at acute angles to corresponding surfaces of the adjacent area, whereby the units of the adjacent areas have opposed orientations.

2,205,639

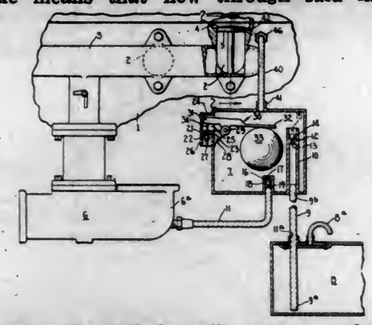
FUEL FEED SYSTEM

Walter H. Weber, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application December 29, 1938, Serial No. 248,161
21 Claims. (Cl. 158—36.1)

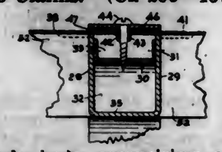
1. In a fuel feeding system for an internal combustion engine, an intake means for supply-

ing a fuel mixture to a cylinder of the engine, a fuel tank, a fuel reservoir, means for lifting fuel from said fuel tank for delivery to said reservoir, comprising a container in communication with said fuel tank, conduit means connecting said intake means and said container to provide communication therebetween, said conduit means being so arranged and constructed relative to said intake means that flow through said intake



means to the cylinder will cause a reduction of pressure in said conduit means, means synchronously controlling the supply of fuel mixture to the engine cylinder and the pressure in said container so that fuel will flow from said fuel tank into said container when the fuel mixture is being supplied to the engine, and means for supplying fuel from said container to said reservoir.

2,205,640
ROOF BOW FOR A CLOSED VEHICLE BODY
Herbert C. Wendt, Wilson, N. C., assignor to Hackney Brothers Body Company, Wilson, N. C., a corporation of North Carolina
Application November 28, 1938, Serial No. 242,689
3 Claims. (Cl. 296—137)



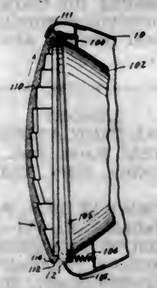
1. A vehicle body comprising a skeletonized framework erected upon a plurality of chassis supported cross-sills and which framework provides for a frontal body face, a pair of laterally spaced windshield carrying posts incorporated immediately behind said face and ahead of the foremost cross-sill, the upper post ends being spanned by a transverse deck beam, complementary reenforcing brace struts extending divergently forward from said foremost cross-sill to terminate at a foot region of the respective windshield posts, a tubular side post fixedly erected upon each end region of said foremost cross-sill, a sheet metal deck bow whose opposite ends are respectively upheld by said side posts, said bow having a cross-sectionally channel-shaped profile including a pair of imperforate flanges and an interconnecting imperforate web with the channel mouth turned outwardly, a continuous sheet metal bridge strip fixedly carried between the bow flanges in an inset substantially parallel relation to the mouth region thereof and spacedly extending lengthwise over said web, an attached sectionalized deck sheath extending rearwardly from said deck beam and which sheath is provided with a seam disposed lengthwise over the bow mouth, a shield strip overlappingly superimposed upon said seam, and a series of self-tapping screw fasteners entered inwardly through said shield strip and into threaded engagement with the bridge strip without piercing said imperforate web, the aforesaid brace struts serving to steady said sheath against seam separation and thereby protect said seam against drip leakage into the bow interior.

2,205,641
FISHING-REEL BRAKE
Richard E. Wilson, Oakland, Calif.
Application January 15, 1938, Serial No. 185,111
3 Claims. (Cl. 242—84.5)



3. In a fish-line reel for mounting on a supporting element, a frame, a line spool rotatably mounted on said frame and providing a spherically curved end surface, a lever member pivoted intermediately of its ends on said frame for rocking about an axis parallel to that of the spool, one arm of said lever carrying a brake shoe normally engaging the said spool end surface, and the other arm of said lever including a trigger bar extending parallel to the spool axis and arranged to deflect the fish-line from its normal stright line from the spool to the element on which the reel is mounted whereby a pull on the line to urge a straightening thereof at the bar is arranged to effect a swinging of the lever to inoperatively dispose the brake shoe, said lever being arranged to engage the frame as a stop means for limiting the permitted degree of rocking of the lever by the pull on the fish-line.

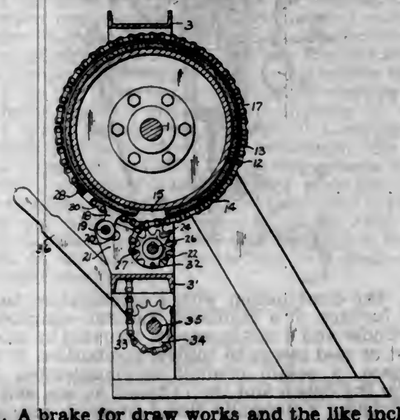
2,205,642
LAMP
Samuel F. Arbuckle, deceased, late of Detroit, Mich., by Hazel B. Scott, administratrix, Detroit, Mich., and Guy H. Coulter, administrator, Detroit, Mich., and Guy H. Coulter, Detroit, Mich., assignors to United Lens Corporation, Detroit, Mich.
Original application July 25, 1935, Serial No. 33,121. Divided and this application December 30, 1938, Serial No. 248,458
7 Claims. (Cl. 240—41.5)



1. In a vehicle lamp, the combination of a casing having an inturned circular flange at its front, a reflector insertable within said casing,

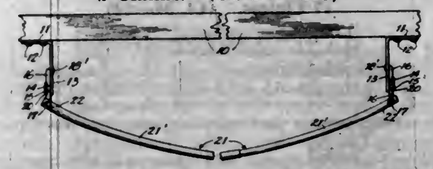
a resilient yieldable mounting for said reflector within said casing, a lens having diametrically opposite segments of a diameter corresponding to the diameter of the inner edge of said circular flange, and transversely arranged segments of greater diameter for seating on the inner face of said flange whereby said lens may be obliquely inserted within said casing without distortion thereof and by the displacement of said reflector, and whereby the resilient pressure of the mounting of said reflector will press the same against said lens and the latter in contact with its seat.

2,205,643
BRAKE FOR HOISTING REELS
Hubert S. Bell, Corpus Christi, Tex., assignor of one-half to Walter J. Clay, Houston, Tex.
Application October 17, 1938, Serial No. 235,449
13 Claims. (Cl. 188—77)



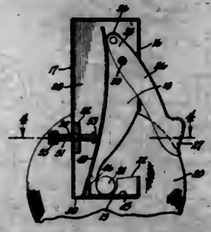
1. A brake for draw works and the like including a frame, a reel mounted for rotation therein, a brake drum on said reel, a brake band on said brake drum, a trackway on the outer face of said brake band, said trackway comprising a ridge formed along the median line of said band, a flexible member engaging about said trackway, and means to tighten said flexible member on said brake band, said member having relative longitudinal movement along said brake band.

2,205,644
CURTAIN FIXTURE
James H. Boye, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 16, 1939, Serial No. 256,764
2 Claims. (Cl. 248—265)



1. A support for a curtain rod of the hook-on type, comprising a bracket having a forwardly projecting arm and fixed vertically spaced keepers on the free end portion of said arm, and an angularly shiftable rod engaging hook pivoted at its rear end on said arm in rear of said keepers and adapted to be supported on and confined laterally by any of said keepers.

2,205,645
PAPER DISPENSER
Neil B. Currier, Los Angeles, Calif., assignor of one-half to Lynn H. McClintock and one-half to Florence L. McClintock, both of Los Angeles, Calif.
Application February 9, 1938, Serial No. 189,575
4 Claims. (Cl. 242—55.5)



2. A roll paper dispenser comprising housings, means carried by said housings to support a roll of paper, arms pivoted in the housings carrying a paper tear blade, openings in the housings to install unflexed leaf springs in the housings, fulcrum lugs in the housings, leaf springs in the housings, and means accessible outside the housings to shift the springs away from the openings to prevent dislodgment of the springs and to cause pressurable engagement of the springs with the fulcrum lugs and the arms to urge the tear blade into engagement with the paper.

2,205,646
CYLINDER HEAD
Everett G. Fahlman, Lakewood, Cleveland, Ohio, assignor to The Permold Company, Cleveland, Ohio, a corporation of Ohio
Application January 20, 1938, Serial No. 185,881
10 Claims. (Cl. 123—173)

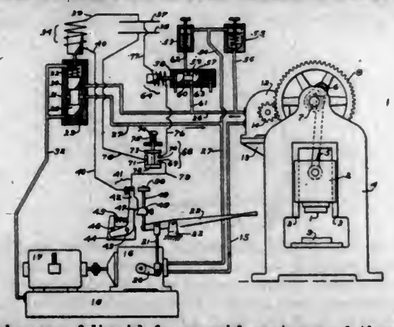


5. A cylinder head for an internal combustion engine comprising an integral casting having a compression wall to be disposed against a block of an engine with portions thereof overlying combustion chambers of the engine, an outer wall spaced from the compression wall to provide a cooling liquid chamber between the walls, a plurality of stud bosses having apertures therethrough for receiving hold-down bolts to secure the head to an engine block, a plurality of integral ribs formed on the outer wall, said ribs having their ends secured to some of said stud bosses, and integral posts extending between the outer wall and compression wall, one end of each of said posts being formed into one of the compression wall portions which overlies a combustion chamber, and the opposite end of each of said posts being formed into the outer wall adjacent a central part of one of said ribs, whereby deflection of the compression wall both toward and away from the outer wall is resisted by the posts and ribs.

2,205,647
HYDRAULIC TRANSMISSION
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 19, 1937, Serial No. 137,738
10 Claims. (Cl. 60—53)

1. The combination, with a shaft having a tendency to overrun during at least a part of a

revolution, of a hydraulic motor connected to said shaft to drive the same, a power driven pump for supplying motive liquid to said motor to energize the same, fluid channels connecting said pump and said motor and forming therewith a hydraulic circuit having pressure and return sides, a resistance valve connected into one part of the return side of said circuit to resist the



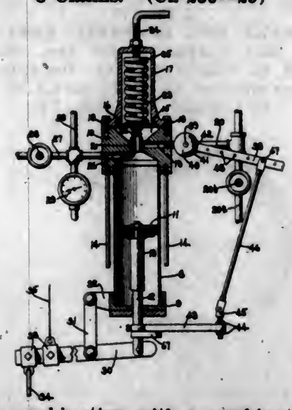
discharge of liquid from said motor and thereby prevent said shaft from overrunning, means for varying the displacement of said pump to thereby vary the speed of said motor, a by-pass valve, and means responsive to movement of said displacement varying means beyond a predetermined point for operating said by-pass valve to by-pass liquid around said resistance valve.

2,205,648
CAMERA CABLE RELEASE
Sidney Fischer, New York, N. Y., assignor of one-half to Emanuel M. Fischer, New York, N. Y.
Application June 24, 1939, Serial No. 280,946
9 Claims. (Cl. 74—502)



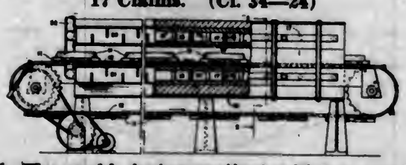
1. In a camera shutter cable release having a flexible cable, a flexible hollow metallic casing loosely enclosing the cable and being sufficiently resistant to deformation to sustain the weight of a person stepping thereon without collapsing, said casing being of comparatively light weight and consisting solely of an inner layer of a plurality of adjacent wires each of circular cross-section having helical contacting coils of one pitch and a superimposed outermost layer of a plurality of adjacent wires each of circular cross-section having helical contacting coils of reverse pitch, the pitch of the coils of one layer being substantially equal numerically to the pitch of the coils of the other layer, the layers being concentric with each other and being sufficiently resilient to maintain the casing straight when unstressed, the layers mutually contacting, supporting and reinforcing each other sufficiently to prevent overlapping and uncoiling of the layers when the casing is stressed, and the innermost diameter of the casing being substantially greater than the diameter of the cable.

2,205,649
COMBUSTION REGULATOR
Edward F. Goebel, Grand Rapids, Mich.
Application June 1, 1937, Serial No. 145,685
8 Claims. (Cl. 236—29)



1. The combination with a combination boiler and furnace, of a regulator therefor comprising, a cylinder and a piston, means actuated by movement of said piston to control combustion in the furnace, a steam conduit communicating between the boiler and the cylinder at one side of said piston, a normally closed pressure actuated valve in said steam conduit, a constantly open exhaust passage from said cylinder at the same side of the piston as said steam conduit communication, and means actuated by movement of said piston to vary the relation between the volume of steam entering said cylinder through said conduit and the volume of steam passing from said cylinder through said exhaust passage.

2,205,650
MOLD DRYING METHOD AND APPARATUS
Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, a corporation of Illinois
Original application July 22, 1936, Serial No. 91,897. Divided and this application May 5, 1938, Serial No. 206,151
17 Claims. (Cl. 34—24)



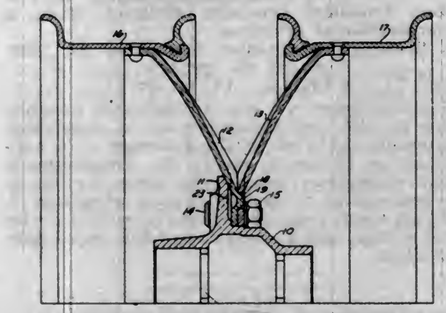
1. The mold drying method which comprises exposing a suface of a gypsum base mold for use as a casting matrix to a proximate source of direct radiant heat, the temperature of such heat source and the time of mold exposure thereto being sufficient to dry from the mold all chemically uncombined liquid and also to recalcine, at least partially, the gypsum in the mold.

2,205,651
CONTROL MECHANISM FOR INTERNAL COMBUSTION ENGINES
Samuel K. Hoffman and Leonard S. Wiener, Williamsport, Pa., assignors to Aviation Manufacturing Corporation, Williamsport, Pa., a corporation of Delaware
Application February 8, 1937, Serial No. 124,712
5 Claims. (Cl. 123—139)



1. In controlling mechanism for internal combustion engines, the combination with a variable force-feed fuel injector and an air throttle of controlling means for the injector and the throttle comprising a control-lever, connections operable by the lever for simultaneously shifting the throttle and varying the fuel injector to vary the supply of both air and fuel at a constantly maintained ratio through substantially the entire range of variation, said connections comprising an adjustably connected arm and link, and means for adjusting the connection between the arm and link to vary the fuel-air ratio and into position to bring one end of the link to the axis of the arm to render the arm ineffective to shift the link.

2,205,652
VEHICLE WHEEL
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application June 26, 1937, Serial No. 150,484
6 Claims. (Cl. 301—36)



1. A dual wheel assembly comprising a hub having a radial flange, a pair of identical wheel bodies mounted on the hub, the adjacent faces of the central portions of the wheel bodies being coplanar to provide intimate contact therebetween throughout substantial areas, clamping means for clamping the wheel bodies together and to the hub, and means integral with the wheel bodies and located intermediate the clamping means for preventing relative movement of the wheel bodies in their own planes, whereby a driving force applied to one wheel body is transmitted to the other wheel body, said last named means lying wholly between the remote faces of the central portions of said wheel bodies.

2,205,653
VEHICLE WHEEL
J Harold Hunt and Harry J. Horn, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application September 18, 1937, Serial No. 164,448
3 Claims. (Cl. 301—108)

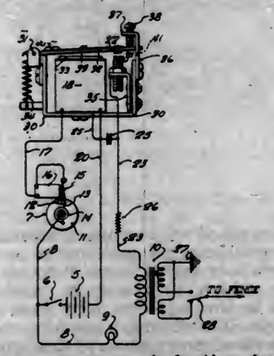


1. In a vehicle wheel, in combination, a wheel body having a pair of radially spaced apertures therein whereby to form a narrow anchor strip therebetween integral with the wheel body, a cover securing clip formed from an elongated strip of metal having an attaching portion juxtaposed to said wheel body, one end of said attaching portion being bent perpendicular thereto and received in one of said apertures, an integral tongue intermediate the ends of the attaching portion extending through the other aperture and having its free end bent toward the first mentioned end of the said attaching portion whereby the anchor strip is securely gripped by the attaching portion of the clip to secure the latter to the wheel body.

2,205,654
DIELECTRIC COMPOSITION
Roy W. Ide, Jr., Gary, Ind., and Herbert A. Winkelmann, Chicago, Ill., assignors to Marbon Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 29, 1937, Serial No. 139,736
3 Claims. (Cl. 260—4)

1. An electrical insulation comprising polymerized vinyl chloride and rubber hydrochloride intimately admixed to form a homogeneous composition, in conjunction with a mutual plasticizer for the rubber hydrochloride and polymerized vinyl chloride.

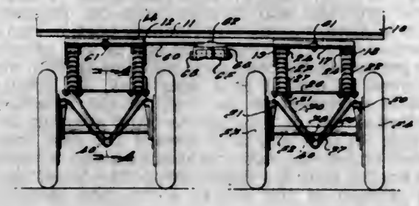
2,205,655
ELECTRIC CIRCUIT INTERRUPTION
Daniel Alcott Kelly, Milwaukee, Wis.
Application July 19, 1937, Serial No. 154,420
3 Claims. (Cl. 175—373)



1. In combination: an induction transformer having a primary and a secondary; an energizing circuit for the primary; a relay to close said energizing circuit and having an electromagnet; another circuit for energizing the electromagnet of

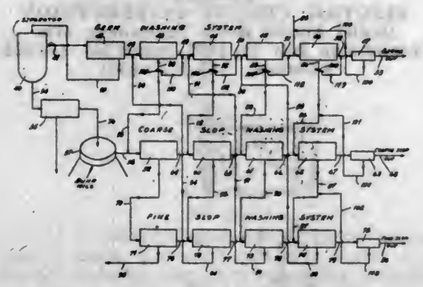
the relay; a timing device in said other circuit for momentarily closing the energizing circuit of the electromagnet with periodic regularity; and contacts engageable upon energization of the electromagnet of the relay to close the energizing circuit of the primary; one of said contacts being yieldable so that the period of engagement of said contacts may be longer than the time interval for which the electromagnet is energized to provide adequate time for saturation of the transformer.

2,205,656
TRAILER CONNECTION
George A. Kendall, Detroit, Mich.
Application August 11, 1938, Serial No. 224,353
17 Claims. (Cl. 280—81)



9. In combination, a vehicle frame, a horizontal plate below the frame, spring means between the frame and plate and connected thereto, a V-shape plate member below the first plate and having its legs connected to the latter, a wheel, and means pivotally connecting the wheel to the V-shape plate for movement about a horizontal axis extending longitudinally of the the frame.

2,205,657
CROSS-FLOW SYSTEM
Philo R. King, Webster Groves, Mo., and Russell D. Baker, Alton, Ill., assignors to Union Starch and Refining Company, Columbus, Ind., a corporation of Indiana
Application November 29, 1937, Serial No. 177,031
10 Claims. (Cl. 127—67)



3. In a method of washing materials in a plurality of washing systems, the steps of passing the materials of each system through a series of devices in which they may be washed so that materials in the last device of each system are the cleanest, introducing a washing medium into a later device of one system to flow therethrough, then conducting it through the last device of each other system successively, thereafter directing it back to the penultimate device of the first system and successively through the corresponding devices of the other systems.

2,205,658
PRODUCTION OF MAGNESIUM
Roy C. Kirk, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 29, 1939, Serial No. 297,110
4 Claims. (Cl. 75—67)

1. In a process for the production of magnesium by the thermal reduction of magnesia-containing material by means of a carbonaceous reducing agent, the improvement which comprises carrying out the reduction in the presence of silica in a quantity corresponding to between about 5 and about 35 per cent by weight of the total charge, and at a temperature between about 1400° C. and about 1700° C.

2,205,659
PROCESS FOR PRODUCING MAGNESIUM
Roy C. Kirk, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 29, 1939, Serial No. 297,111
10 Claims. (Cl. 75—67)

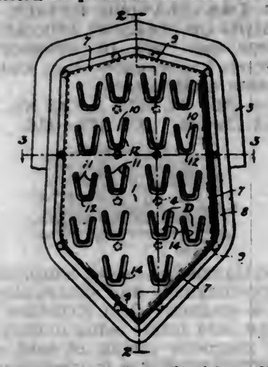
3. In a process for the production of magnesium by the thermal reduction of magnesia-containing material by means of carbon as reducing agent, the improvement which comprises carrying out the reduction in the presence of a metal fluoride in such proportion that it represents between about 1 and about 15 per cent by weight of the total reduction charge and in the presence of at least one of the oxides lime, silica and chromic oxide.

2,205,660
PROCESS FOR THE PRODUCTION OF MAGNESIUM
Roy C. Kirk, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 29, 1939, Serial No. 297,112
6 Claims. (Cl. 75—67)

2. In a process for the production of magnesium by the thermal reduction of magnesia-containing material by the presence of a carbonaceous reducing agent, the improvement which comprises carrying out the reduction in the presence of chromic oxide in a proportion of between about 2 and 25 per cent by weight of the total charge, and at least one of the oxides lime and silica.

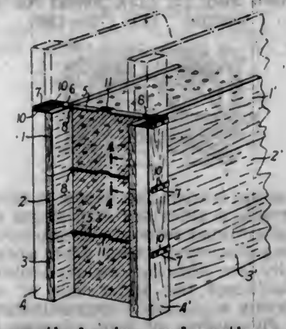
2,205,661
RADIATOR COVER
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 9, 1937, Serial No. 135,901
12 Claims. (Cl. 257—132)

1. A radiator shield, comprising a cover having one or more apertures, flaps for closing the apertures and arranged to be moved by air pressure to open the apertures and permit air to flow through the radiator, means carried by the cover and engageable with selected flaps to retain such flaps in aperture closing position regardless of the air pressure, and means for securing the shield in position to obstruct the flow of



air through the cooling liquid radiator of an internal combustion engine.

2,205,662
FORM TIE
Frank La Grotta, New York, N. Y., assignor to Conver Steel & Wire Co. Inc., New York, N. Y., a corporation of New York
Application January 4, 1938, Serial No. 183,243
2 Claims. (Cl. 25—131)

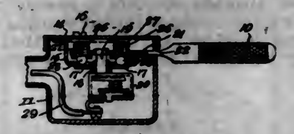


2. A form tie having end portions and a flat intermediate portion, the flat portion being crimped between its ends to form a channel member, the side members of the channel member being inset from the edges of the intermediate portion of the tie, the bottom of the channel member being located above the adjacent plane of the intermediate portion of the tie and the end portions of the flanges extending abruptly transversely of said intermediate portion.

2,205,663
ICE COLOR PRODUCING COMPOSITION
Hans Z. Lecher, Plainfield, Robert P. Parker, Somerville, and Henry Philip Orem, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 23, 1939, Serial No. 310,820
10 Claims. (Cl. 8—45)

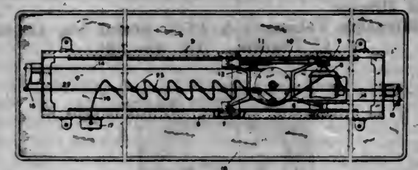
1. A color producing composition of matter which comprises an ice color coupling component and a stabilized diazo compound having the following general formula: $X—(N=N—G)_n$, in which X is a radical of a polynuclear ice color diazo component, G is a radical included in the group consisting of guanidyl carboxylic acid radicals free from azoic coupling groups, and their alkali metal and ammonium salts and n is a whole number included in the group consisting of 1 and 2.

2,205,664
SIGNAL LIGHT SWITCH
Leo Mayer, Newton, Mass., assignor to Henry Cole Co., South Boston, Mass., a corporation of Massachusetts
Application April 29, 1939, Serial No. 270,823
4 Claims. (Cl. 200—17)



1. A signal light switch and operating mechanism therefor, comprising a housing having a removable cover, a cup-shaped thrust member fixedly mounted within the housing, the side of said member having a slot and upstanding shoulders constituting stop members at the ends of the slot, a casing disposed within said housing and containing a two contact rotary switch, a shaft journaled in the base of said thrust member and having its lower end connected to the actuating member of said switch, a lever fixed to the upper end of said shaft and extending through the slot in the side of said member and outwardly of the housing, the lever being movable angularly between said shoulders thereby to rotate the shaft to operating and neutral positions, and the inner end of the lever extending beyond the shaft and terminating within the thrust member, and cooperating means on the lever and on the base of the thrust member, located on opposite sides of the shaft for counterbalancing the lever and yieldingly holding it in neutral position.

2,205,665
MOVABLE CONDUCTOR SUPPORT
Norman J. Peters, Fond du Lac, Wis., assignor to Damrow Brothers Company, Fond du Lac, Wis., a corporation of Wisconsin
Application December 2, 1938, Serial No. 243,514
1 Claim. (Cl. 191—12)



In a device having a reciprocating carriage and an electric motor mounted on said carriage for moving the same, means for furnishing current to said motor comprising a flexible cord conductor connected at one end to said motor and having its other end fixed, a rod extending parallel to the path of movement of said carriage, a plurality of carriers, each of said carriers having a tubular portion slidably mounted on said rod and a tubular split portion disposed at an angle to said first named portion and receiving and clamping a portion of said conductor to said carrier, said conductor being looped between adjoining carriers.

2,205,666

SHREDDED FIBROUS STOCK AND METHOD OF MAKING SAME

Boris J. Petricoff, Hamilton, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio

No Drawing. Application May 28, 1936, Serial No. 82,279
8 Claims. (Cl. 19—82)

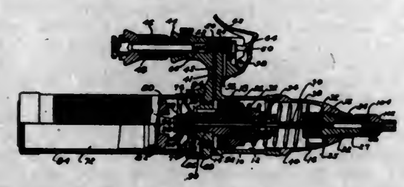
1. The method of producing fibrous stock from woven waste materials comprising cutting and beating said waste materials to disintegrate the woven structure into incompletely disintegrated strands or threads to form a loosely matted fibrous stock composed of fluffed strands or threads of varying lengths ranging from that which is relatively long to that which is relatively short.

2,205,667

LUBRICATING DEVICE

William B. Plummer and Otto B. Clark, Chicago, Ill., assignors, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application April 16, 1938, Serial No. 202,413
17 Claims. (Cl. 221—47.3)



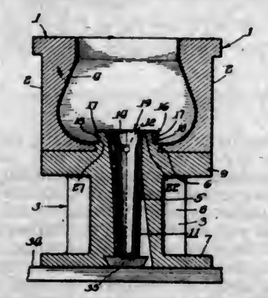
1. A lubricating device comprising a body formed with a power cylinder, a piston reciprocably mounted in said cylinder, a high pressure piston secured to said first named piston, and a member loosely carried by said body and formed with a high pressure cylinder receiving said high pressure piston, said member being movable laterally of the power cylinder to compensate for imperfect alinement.

2,205,668

MOLD

William L. Proeger, Chicago, Ill., assignor to Chamberlain, Inc., Chicago, Ill., a corporation of Illinois

Application February 5, 1938, Serial No. 188,854
15 Claims. (Cl. 49—69)



1. A mold for percolator bowls having connecting stems comprising a body having an opening therein, and a stem mold supported in said opening and pivoted to said body.

2,205,669

SOUND TRANSLATING DEVICE AND METHOD OF MAKING THE SAME

Harold C. Pye, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application July 22, 1938, Serial No. 220,758
15 Claims. (Cl. 179—114)



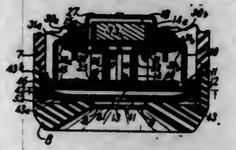
1. A sound translating device comprising a substantially non-magnetic and electrically conductive frame, a magnetic field structure mounted on said frame, said frame being inductively coupled to the magnetic circuit of said structure, and means comprising said frame for preventing at least a portion of the alternating component of flux which is developed during operation of said device from linking with said frame.

2,205,670

SOUND TRANSLATING DEVICE

Harold C. Pye, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application July 22, 1938, Serial No. 220,759
7 Claims. (Cl. 179—180)



1. In a sound translating device, a moving system comprising a vibratory diaphragm and having a predetermined response characteristic over an operating frequency range when arranged for substantially free vibration, means defining a first chamber adjacent the inner side of said diaphragm having a passage communicating therewith, the dimensions of said passage being so proportioned that said first chamber acts substantially entirely as a damping chamber effective substantially to decrease the response of said moving system at frequencies within a band of frequencies extending toward the low frequency end of said range, and means defining a second chamber adjacent the outer side of said member having a passage communicating therewith, the dimensions of said last-mentioned passage being so proportioned that said second chamber acts substantially entirely as a resonating chamber effective substantially to increase the response of said moving system at frequencies within a band of frequencies extending toward the high frequency end of said range.

2,205,671

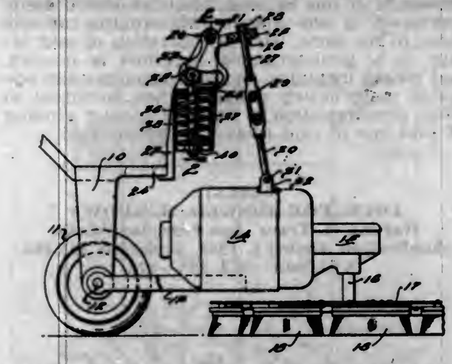
WEIGHT BALANCING MECHANISM

Ira C. Sarber, Elkhart, Ind., assignor to Finnell System, Inc., Elkhart, Ind., a corporation of Indiana

Application August 1, 1938, Serial No. 222,431
5 Claims. (Cl. 15—49)

1. In a floor scrubbing machine, a frame, a scrubbing brush movably connected to said frame and tending to move downwardly by force of gravity, a weight balancing device for said brush

mounted on said frame, including a bell crank pivotally supported by said frame, a link connecting one arm of said bell crank to said brush, the other arm of said bell crank having a cam



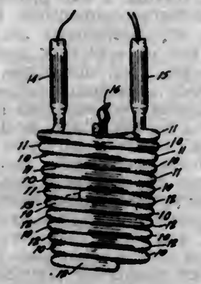
slot therein, and yielding means acting between said frame and cam slot tending to rotate said bell crank in a direction to counterbalance the weight of said brush.

2,205,672

LIGHTING ELEMENT AND FIXTURE THEREFOR

David F. Sawyer, Rock Springs, Wyo.

Application October 13, 1938, Serial No. 234,763
3 Claims. (Cl. 240—1.1)



1. A light source comprising: a helical, luminous glass tube; a second luminous, helical tube threaded into said first tube so that the turns of the second tube will come intermediate the turns of the first tube, said two tubes being connected in series with each other, one of said tubes consisting of a plurality of tubes of different color characteristics permanently welded together.

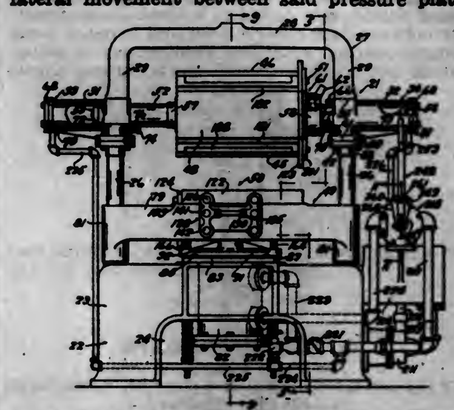
2,205,673

PRESS

Oscar C. Schmidt, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a corporation of Ohio

Application February 16, 1939, Serial No. 256,682
24 Claims. (Cl. 100—57)

1. In a bacon press, the combination of a pair of pressure plates, means for approach between them for pressure upon the material between said plates, lateral walls between said plates, additional lateral walls between said plates extending transversely to said first-named lateral walls and having attachment with said respective pressure plates, and actuating means for lateral movement between said pressure plates



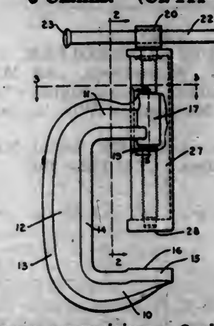
to produce movement between said additional lateral walls for pressure upon the material.

2,205,674

C-CLAMP

Conrad J. Schroeder, Kansas City, Mo.

Application December 30, 1936, Serial No. 118,330
6 Claims. (Cl. 144—304)



1. A clamp comprising a C-shaped frame having a fixed jaw on one of the legs thereof, the other leg having a portion provided with a screw-threaded opening, a screw extending through said opening, a longitudinally slotted tubular member having a closed end providing a jaw cooperating with said fixed jaw, the leg having the portion provided with the screw-threaded opening extending through the slot in said tubular member and cooperating with the walls of said slot to prevent rotation of said tubular member relative to said leg, said portion having said screw-threaded opening being mounted within said tubular member, said screw having one end thereof journaled in said closed end of the tubular member, said tubular member having a bearing in the other end thereof for journally receiving the other end of said screw, means to prevent longitudinal movement of said screw with respect to said tubular member, and means on said screw externally of said tubular member for rotating the screw to produce relative movement between said tubular member and said fixed jaw.

2,205,675

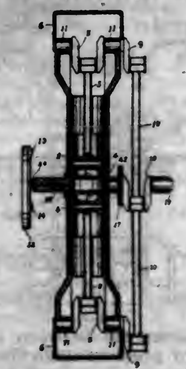
INTERNAL COMBUSTION ENGINE

James C. Shirley, Chattanooga, Tenn.

Application April 28, 1938, Serial No. 204,767
7 Claims. (Cl. 123—51)

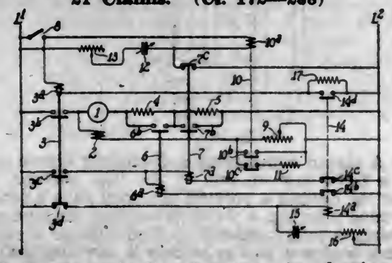
1. An engine of the character described com-

prising a cylinder, a plurality of pistons disposed within said cylinder, a combustion chamber between said pistons, feed and exhaust ports communicating with the combustion chamber valves for controlling said ports, crank shafts



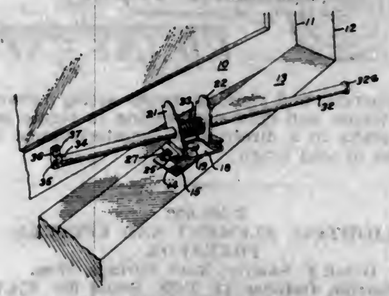
mounted adjacent the ends of the pistons, a drive shaft, means for connecting said crank shafts with said drive shaft, and means actuated by said drive shaft for controlling the operation of said valves.

2,205,676
CIRCUIT CONTROLLER
Carroll Stansbury, Wauwatosa, and William C. Stevens, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 1, 1939, Serial No. 254,076
21 Claims. (Cl. 172—288)



21. In a controller for a motor having an armature circuit and a shunt field circuit, commutatable starting connections for said motor armature circuit and for said shunt field circuit respectively, a plurality of relays each comprising a magnetic circuit including a core and at least one movable armature, each of said relays having a magnetizing winding adapted to induce a magnetic flux in its respective magnetic circuit, means individual to the respective armatures of said relays to bias said armatures to given positions in opposition to the magnetic pulls thereon respectively and to permit movement of each of said armatures to another position thereof when the current in its associated winding exceeds a given value, electrical energy storage means individual to each of said windings and respectively adapted to store up energy while said windings are energized and to discharge said energy through the respective windings upon deenergization thereof to retard the decay of the magnetic flux in its respective magnetic circuit with a corresponding delay in the return of the respective armatures to said given positions thereof, commutating means operated by the armatures of said relays and adapted to control said commutation of said starting connections, for the purpose set forth, means associated with an armature of one of said relays to effect deenergization of the magnetizing winding of another of the same, whereby operation of said relays in a predetermined sequence is insured, and means including an electromagnetically operable main switch adapted when energized to effect deenergization of the magnetizing winding of said one of said relays aforementioned.

2,205,677
LOCK FOR HINGED WINDOWS
Hayden H. Tracy, San Francisco, Calif.
Application August 6, 1938, Serial No. 223,484
8 Claims. (Cl. 292—275)

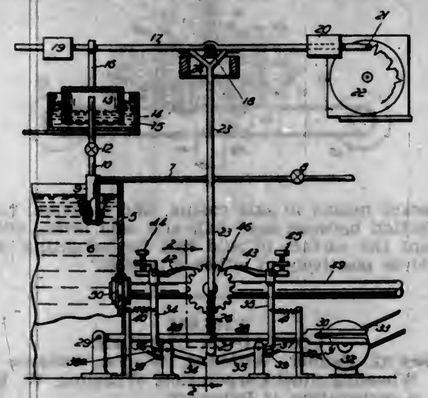


1. In a releasable locking device of the character described having a bar provided with an end portion pivotally connectible to a hinged sash, a device for frictionally and releasably clamping said bar at arbitrary positions, comprising a plate for fixed mounting on a frame adjacent the sash, a gripping device having an opening therethrough for slidably receiving the bar and having a base pivotally mounted on said plate on a pivotal axis perpendicular to the plate, said base extending outwardly parallel to and in slidable facial contact with said plate, the said gripping device including spring actuated means for frictionally locking said bar at arbitrary positions, and being selectively manually releasable so that the bar may slide freely therethrough, and said means for frictionally locking the bar being mounted on its base fixedly against pivotal rotation relative to its base whereby said means and its base pivot simultaneously relative to the frame plate.

2,205,678
DENSITY CONTROL
James A. Adams, Carlsbad, N. Mex., assignor to The Mine and Smelter Supply Company, Denver, Colo., a corporation of Colorado
Application January 7, 1937, Serial No. 119,530
7 Claims. (Cl. 137—104)

1. In automatic pulp-density control apparatus the combination with actuating means responsive to pulp density variations, of a beam element mounted for bodily arcuate movement by said actuating means, mechanism adapted to reciprocate a portion of the beam-element transversely to its arcuate path of movement, and a pivoted member adjacent the reciprocated portion of the beam-element and positioned to be contacted and moved thereby according to the arcuate position of the beam-element.

4. Valve actuating means comprising a float, a fulcrumed beam element connected for movement by the float, an arm mounted for oscillation on the beam element, means for continuously oscillating the arm, a pivoted lever at either side of the arm providing angular inclined surfaces to be individually engaged and oscillated thereby when the arm is moved to one or the other



of said surfaces by the fulcrumed beam, a source of fluid flow, a two-way ratchet wheel connected with the valve for controlling the source of fluid flow, and a pawl carried on each lever to rotate the ratchet wheel in opposite directions respectively, whereby the fluid flow is increased or decreased, by operation of the valve.

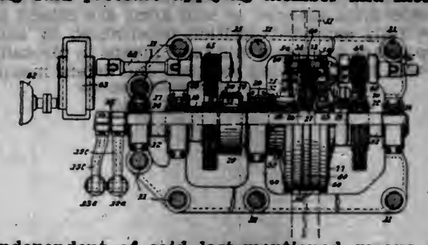
2,205,679
SHINGLE
Cortlandt F. Ames, Jr., Larchmont, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application February 23, 1938, Serial No. 192,093
8 Claims. (Cl. 108—7)



1. A shingle comprising a substantially rectangular exposure area including a butt edge of irregular contour to simulate the appearance of the butts of a plurality of shingles laid in coursewise adjacent relationship, a head lap area of pointed configuration to have a maximum depth substantially midway between its ends, surfacing material on said areas, the surfacing material on a portion of the shingle extending from the head lap area to a line below the jointure of said head lap and exposure areas contrasting in color to the surfacing on the major portion of the exposure area, whereby, when the shingles are laid in overlapping courses, the thickness and irregularities of the butts of the shingles of a course are accentuated by the surfacing of contrasting color on the shingles of the underlying course.

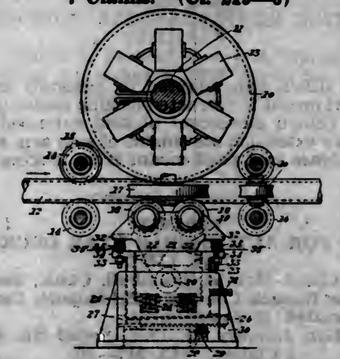
2,205,680
WELDING ELECTRODE
James V. Caputo, Crafton, Pa.
Application October 28, 1937, Serial No. 171,404
14 Claims. (Cl. 219—4)

1. A roller electrode comprising an annular pressure applying member and an annular conducting member thereadjacent, means for driving said pressure applying member and means



independent of said last-mentioned means for driving said conducting member.

2,205,681
WELDING APPARATUS
James V. Caputo, Crafton, Pa.
Application December 24, 1937, Serial No. 181,579
7 Claims. (Cl. 219—6)

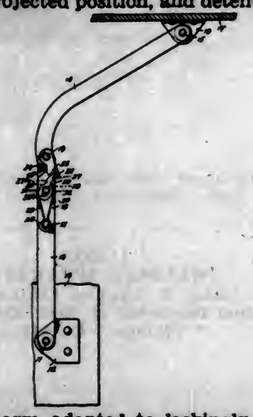


1. In an apparatus for progressively welding traveling abutting plate edges, a welding throat through which said edges are adapted to pass comprising rotary-disc current-supply means adapted to have electric-conducting contact with said edges, side-pressure rolls mounted for rotation on substantially parallel axes adapted to force said edges into firm abutment and upset them, the axis of said means lying substantially in the plane determined by the axes of said rolls, and a pair of bottom support rolls having their axes on opposite sides of said plane and spaced substantially equal distances therefrom.

2,205,682
BRACE FOR AUTOMOBILE REAR DECKS OR THE LIKE
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application January 22, 1938, Serial No. 60,225
3 Claims. (Cl. 217—60)

1. A brace of the character described comprising a pair of arms connected for relative movement between contracted and extended positions, stop means cooperating between said arms to limit the fully extended position of said arms, and means for releasably locking said arms in extended position comprising a locking pawl means carried by one of said arms having a slot and pivot connection therewith and whereby it has both pivotal movement and bodily projecting and retracting movement along a line transverse to the axis of said pivot, spring means normally maintaining said pawl means in a predetermined

retracted position, actuating means on the other of said arms adapted as said arms are moved to said fully extended position determined by said stop means to engage said pawl means to pivotally move it into projected position, and detent means



on said other arm adapted to lockingly engage said pawl means in retracted locking position upon limited return movement of said extended arm, secondary extension movement of said arm adapted to release said pawl means from locking position.

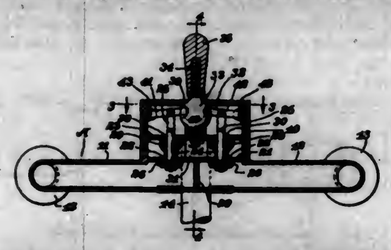
2,205,683
BRACE FOR AUTOMOBILE REAR DECKS OR THE LIKE
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application January 22, 1936, Serial No. 60,226
3 Claims. (Cl. 217—60)



1. A brace of the character described comprising a pair of arms connected for relative parallel telescoping movement between contracted and extended positions, stop means cooperating between said arms to limit the fully extended position of said arms, and means for releasably locking said arms in extended position comprising a locking detent carried by one of said arms having longitudinal sliding movement parallel to said arms and transverse pivotal movement, means on the other of said arms adapted as said arms are moved to said fully extended position determined by said stop means to engage said detent means to move it into locking position and means on said other arm adapted to lockingly engage said detent means upon limited return movement of said extended arm, secondary extension movement of said arm adapted to release said detent from locking position.

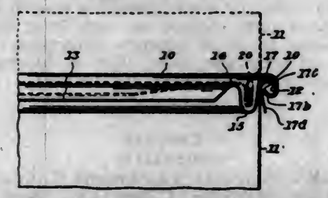
2,205,684
FAUCET
James Frederick Cochran, Glendale, Calif.
Application April 28, 1938, Serial No. 204,816
10 Claims. (Cl. 277—18)

1. A valve comprising a casing, a pair of inlets thereto, valves in said inlets, means actuating said valves, pivoted levers for operating said valve actuating means, a ball-ended control lever.



socket means in said casing, and a pivotal connection between said ball and said levers adjacent the surface of said ball for actuating said valves positively in either direction.

2,205,685
CONTAINER CLOSURE
Guy O. Conner, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application September 21, 1936, Serial No. 101,701
4 Claims. (Cl. 220—72)

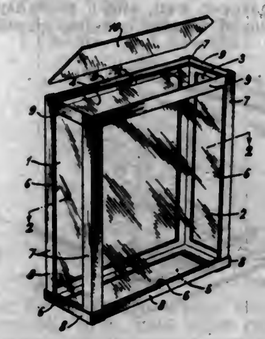


1. A closure for a container having a false wire extending around the upper end thereof, said closure comprising a sheet metal stamping including a central disc-like portion substantially undeformed, an inner bead pressed upwardly from said portion, an outer bead pressed downwardly below said portion, and a gasket groove pressed upwardly from said portion beyond said outer bead and adapted to receive said false wire, the sum of the extreme displacements of the metal forming said outer bead and said groove being at least equal to about 5% of the diameter of the closure, said groove having downturned lugs of such number and width as to overlie at least 60% of the circumference of the closure.

2,205,686
SPECIMEN CASE
Joseph C. Ehrlich, New York, N. Y.
Application July 15, 1937, Serial No. 153,731
4 Claims. (Cl. 220—62)

4. A specimen case of rectangular form for preserving dead organs subject to decomposition, comprising four glass sides and a glass bottom, a cover plate for said case, and a metallic frame having angle irons overlapping the side and bottom corners of said specimen case, and flat metallic flexible side strips at the top of said frame, said frame extending above the upper edges of said glass sides, whereby said upper edges form a supporting shelf for said cover plate, said glass sides and glass bottom being cemented to said frame to provide a fluid tight union therebetween, and clips secured inside the upper part of said frame to two of the oppositely located flexible strips and arranged to overlap the corresponding

upper edges of said glass sides for resisting outward pressure at the top of said specimen case,



said cover plate being adapted to be attached to said supporting shelf in fluid tight relation.

2,205,687
ANTIDRIP DEVICE
Frank S. Elsaesser, Cincinnati, Ohio
Application February 27, 1939, Serial No. 258,623
2 Claims. (Cl. 65—53)



1. A preformed, disposable antidrip device for a receptacle, formed of porous paper and comprising a bottom having an area substantially equal to the area of the receptacle bottom, sides integral with and extending upwardly from the bottom, said sides, a distance above said bottom, having an inward bulge to provide a restricted passage having an area less than the area of the receptacle bottom, said sides, above the bulge, being outwardly flared to provide an entrant throat to the restricted passage whereby the bottom of the receptacle passes through the entrant throat and restricted passage to the botom of the antidrip device, and an outer layer of non-porous paper coextensive in area and of a congruent shape with the porous paper covering the entire exterior surface of said porous paper, the non-porous paper having the ability to grip and retain the antidrip device on the receptacle.

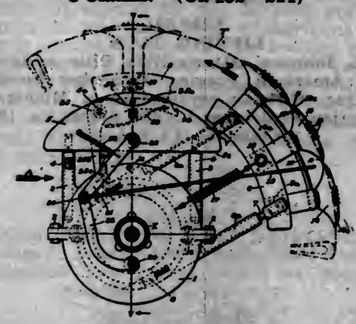
2,205,688
ELECTROMAGNETIC TRANSMISSION
Jacques Elwell, Courbevoie, France, assignor to Maag Zahnraeder & Maschinen Aktiengesellschaft, Zurich, Switzerland, a corporation
Application August 26, 1937, Serial No. 161,086
In France September 7, 1936
11 Claims. (Cl. 171—322)

1. A revolving mechanism having a rotating slip ring and an electricity conducting brush, said brush having a projecting, comparatively narrow annular surface which amounts to only a small



fraction of the brush cross section and which slidingly contacts said slip ring.

2,205,689
TRACTION APPARATUS FOR MOTOR VEHICLES
Alfred L. Fischer, Portland, Maine
Application November 6, 1939, Serial No. 303,099
8 Claims. (Cl. 152—214)

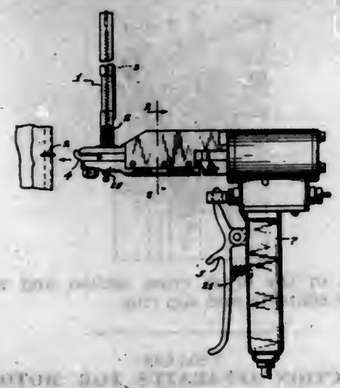


1. In traction apparatus for motor vehicle wheels the combination with a rear axle housing and a vehicle tire, of a non-rotatable hub member fixed to said rear axle housing, a cross-beam mounted on said hub member, means for locating said cross-beam on said hub member in various predetermined radial positions distant from said axle housing, a traction-shoe-carrying frame mounted in its entirety for rotation on said hub member, a traction-shoe element secured at one end to said traction-shoe-carrying frame, the ground-contacting portion of said element aligning with and over-hanging said tire, and yieldable pressure means constantly acting to draw said traction-shoe element into engagement with the tread of the tire.

2,205,690
HOG RING CLINCHING TOOL
John Thomas Green, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 24, 1939, Serial No. 275,345
7 Claims. (Cl. 140—55)

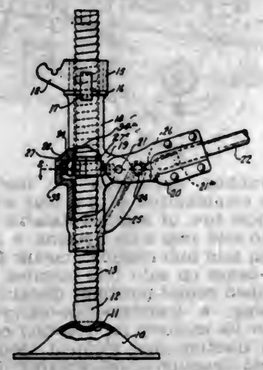
1. In a fastener clinching machine, the combination of means for feeding a succession of U-like fasteners or open rings, a pair of jaws, a pusher for pushing the fasteners successively into the open jaws, a reciprocating member arranged to strike the jaws and close them, the said reciprocating member adapted to move the pusher to push the open fastener into the jaws,

and means for separating the two members after the open ring has been pushed into the jaws



and before the reciprocating member has contacted the jaws to close them.

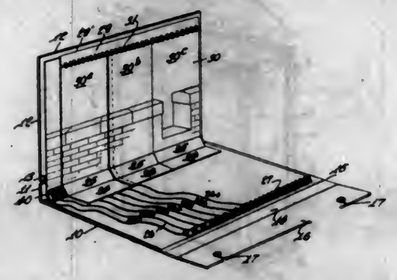
2,205,691
LIFTING JACK
Alvin L. Johnson, Ottawa Hills, Ohio, assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application September 1, 1937, Serial No. 161,881
3 Claims. (Cl. 254—98)



1. In a jack of the character described, a rod having buttress screw threads, a load-receiving member on said rod, lever actuated spring tensioned pawl means for recurrently advancing said member, a load sustaining device carried by said member and having opposed spring tensioned internally screw-threaded parts urged into engagement with the threads on said rod, and means to impart relative rotation between said rod and load-sustaining device for retracting the latter.

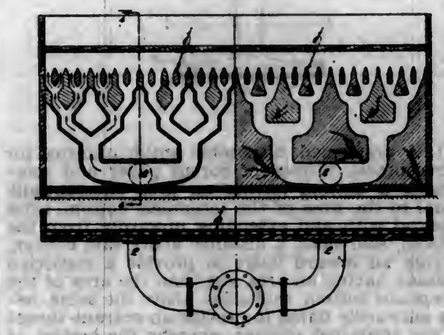
2,205,692
DEMONSTRATION DEVICE
Reginald L. Johnson, Riverdale, and Robert F. Knapp, Brooklyn, and Peter Cooper, New York, and Edwin J. Lyons, Larchmont, N. Y., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 15, 1938, Serial No. 229,996
15 Claims. (Cl. 35—51)

1. A demonstration device comprising a backing member including an inner face simulating a roof deck, a cover member arranged to be supported at substantially right angles to the backing member and having an inner face marked to simulate a parapet wall, and a plurality of flaps hingedly secured to said backing member adja-



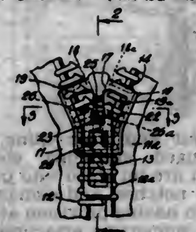
cent the outer edge thereof and arranged to be swung successively to overlie the backing member, certain of said flaps including portions cooperating with said parapet wall simulations, each of said flaps being marked and arranged to simulate the appearance of a roof covering treatment.

2,205,693
PAPER-MAKING MACHINE
Samuel Milne, Edinburgh, Scotland
Application March 22, 1937, Serial No. 132,311
In Great Britain March 21, 1936
6 Claims. (Cl. 92—44)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. A unitary breast box construction for a paper making machine comprising in combination, a box having front, rear, bottom and side walls and provided with an inlet in the lower portion thereof, parallel sided baffles extending between said front and rear walls having their upper ends terminating in substantially the same plane providing substantially rectangular outlets spaced apart between the side walls of the box, certain of said baffles having enlarged lower portions disposed below lower portions of adjacent baffles, certain other of said baffles extending downwardly past the enlarged lower portions of said certain baffles having enlarged lower portions disposed below the enlarged lower portion thereof, all adapted and arranged whereby rectangular passageways to said outlets are provided with a passageway successively reduced in size by said baffles from wide to relatively narrow passageways.

2,205,694
SLIDER FOR SEPARABLE FASTENERS
Louis H. Morin, Bronx, N. Y., assignor to Whitehall Patents Corporation, Bronx, N. Y., a corporation of New York
Application August 6, 1938, Serial No. 223,394
2 Claims. (Cl. 24—205)



2. A slider for separable fastener stringers having thermoplastic links, said slider comprising a skeleton frame having spaced top and bottom frame parts joined at one wide end in a connecting web, said frame parts each comprising side flanges of L-shaped cross sectional form flaring from the narrow to the wide end thereof, narrow cross bars integrally joining the ends of said flanges, the cross bars at the wide end of the slider being joined by said web, each frame part having a central bar extending longitudinally of the slider and integrally joining said cross bars, said side flanges being of the same cross sectional form throughout the length thereof, said central bars having substantially parallel side walls and being of a width sufficient only to cover the interlocked portions of said links, said flanges, bars and web guiding the stringer links through the slider in coupling and uncoupling the stringers, said central bars supporting the links against displacement outwardly through the longitudinal central portion of said frame parts, and the inner opposed surfaces of the cross bars of said frame parts having a slight clearance to compensate for distortion of thermoplastic links.

2,205,695
CLARINET KEY
Harry E. O'Brien, Washington Township, Marion County, near Indianapolis, Ind.
Application May 22, 1939, Serial No. 274,947
4 Claims. (Cl. 84—382)



1. For a Boehm system clarinet, a key extending longitudinally of the clarinet tube and hinged by one end to swing longitudinally thereof, and carrying integrally a plurality of spaced apart tone hole rings and an end tone hole cover, said key having a pair of integral arms, one extending laterally from each side of the key, both of said arms curving around from the key substantially concentrically of said tube, and means pivoting the arms to the sides of said tube, a spring between said tube and said key normally holding the key in open tone hole position, and a stop extending from the key to abut said tube to limit the travel of the key under the influence of said spring.

2,205,696
ADJUSTABLE SUPPORTING MECHANISM
Albert J. Rhodes, Pontiac, Mich., assignor to American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application May 31, 1938, Serial No. 211,085
3 Claims. (Cl. 155—14)



1. In combination with a suitable support and a seat adapted to be adjustably mounted thereupon, track and carriage portions, one adapted to be attached to the support and the other to the seat, and one thereof being slidable with respect to the other, friction take-up means for preventing unwanted lost motion between the track and carriage portions, comprising a gripping element carried by one of said portions, and movable into and from engagement with the other portion, and adjustable holding means for fastening said gripping portion in a position to effect desired frictional engagement with said other portion, said holding means comprising a rotatable member housed within one of said portions and actuable through an opening in the side of such portion.

2,205,697
TOOL JOINT FOR WELL DRILLING
Charles C. Scharpenberg, Bakersfield, Calif.
Application May 6, 1938, Serial No. 206,468
2 Claims. (Cl. 285—146)



1. Means for coupling adjacent ends of drill pipe sections, comprising a sleeve having ends for connection with the ends of the drill pipes, said sleeve having intermediate its ends a relatively narrow zone of reduced thickness formed by providing a groove in its outer face with the side walls of the groove gradually increasing in thickness to the full thickness of the sleeve to avoid sharp corners and notches, said zone of reduced thickness providing said sleeve with a flexibility substantially equal to the flexibility of the pipes which it couples.

2,205,698
SAFETY MATCH PACKAGE
Joseph I. Schmitt, Houston, Tex.
Application September 10, 1937, Serial No. 163,172
2 Claims. (Cl. 206—29)



1. In a book match structure, the combination of a group of matches having a joining base, a cover having one end folded around the said base and forming a front tuck flap thereat, said cover having a portion disposed at the back of the matches and being folded around the match heads, there being another portion of the cover disposed over the front of the matches and forming a cover flap, the outer face of the cover flap at the extreme end margin thereof having a transverse band of match igniting material thereon and the tuck flap being of such length that the band of igniting material is fully concealed and protected by the tuckflap when the end margin of the cover flap is tucked in under the tuck flap in the normal closed position of the cover flap and the tuck flap may be used as a backing for the band of igniting material while a match is being struck.

2,205,699
PROCESS FOR PRODUCTION OF SYNTHETIC RUBBER
James Johnson Earshen, also known as Dimiter Ivanoff Ousheff, Buffalo, N. Y.
No Drawing. Application February 14, 1940, Serial No. 318,805
1 Claim. (Cl. 260—2)

The process for production of the synthetic rubber from the gases and distillation products, which are received from the dry distillation in the absence of air, at temperatures from 400° to 550° centigrade, and at pressure from 10 to 25 atmospheres, rising gradually and which gases and distillation products are from a mixture of

(*a*) Vegetable matter from any kind of wood derived from any kind of tree, and
(*b*) Any kind of straw and stems derived from any kind of grass and plant life,

which gases and distillation products, in mixture with the gases and distillation products, which are derived from the dry distillation in the absence of air, from a mixture of

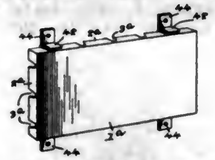
(*c*) Fusel oil,
(*d*) Molasses, and
(*e*) The skins, or coverings from potatoes, and grains,

and which above gases and distillation products are mixed with the gases and distillation products from a mixture of

(*f*) Heavy petroleum mineral oils,
(*g*) Heavy and the light oils, from the turpentine oil, and
(*h*) Heavy and the light oils, from the dry distillation of oak and any other kind of tree bearing wide leaves.

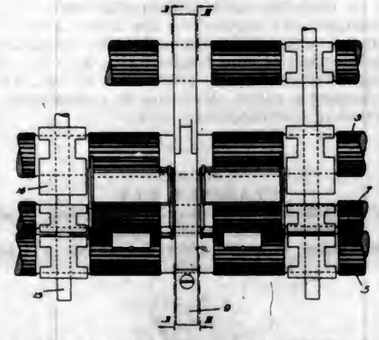
in which all above mentioned gases and distillation products, are mixed with the acetylene gas and brought into very intimate contact with the catalyst matter in the form of fine powder, selected from the group consisting of the metals iron, copper, zinc and nickel, the whole being heated at temperatures from 295° to 400° centigrade, and at pressures from 23 to 25 atmospheres.

2,205,700
WALL AND FLOOR TILING SYSTEM
Homer L. Smith, Covington, Ky.
Application March 9, 1939, Serial No. 260,840
10 Claims. (Cl. 189—85)



1. Unitary wall and floor tiling, comprising marginally flanged surfacing elements, the flanges of which are inturned and provided with flared marginal notches, and elongated anchoring brackets each having provision at an end portion thereof for supporting attachment to a wall or floor base, said brackets also having body portions offset at their attaching end portions away from the wall or floor base in supporting relation to the inner faces of superposed surfacing elements with provision adjacent said attaching end portions for interfitting retentive engagement in the notched flange portions of said surfacing elements.

2,205,701
DRAWING MECHANISM FOR TEXTILE SLIVERS
Ramon Balmes Solanas, Pinedes de Llobregat, Spain
Application June 15, 1938, Serial No. 213,900
In Spain June 30, 1937
6 Claims. (Cl. 19—130)

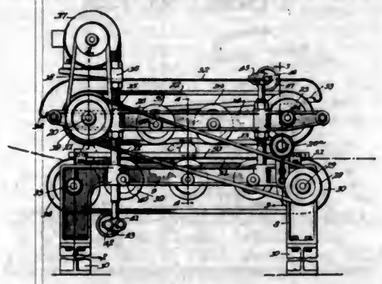


3. A drawing mechanism for textile slivers comprising a series of pairs of rollers, a conducting roller for the sliver located between two consecutive pairs of rollers, said conducting roller resting freely on the lower rollers of said consecutive pairs and a reducer of the width of the sliver located below said conducting roller and closely adjacent the same to accompany the sliver in the remaining space between said consecutive pairs and simultaneously reducing the width of the sliver.

2,205,702
CAN DRYING MACHINE
Robert J. Stewart and Wiltie I. Gladfelter, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application August 28, 1937, Serial No. 161,524
5 Claims. (Cl. 34—12)

1. The combination in a can drying machine,

of oppositely disposed elements having their peripheries spaced and aligned in the same plane to support a can therebetween, means to support said elements for movement, and means to move



said elements in opposite directions, one at a higher speed than the other, to rotate the cans to centrifugally remove moisture therefrom and to move the cans through the machine.

2,205,703
DRAIN STOPPER
Herbert Trotman, Bayside, N. Y.
Application December 11, 1939, Serial No. 308,687
1 Claim. (Cl. 4—293)

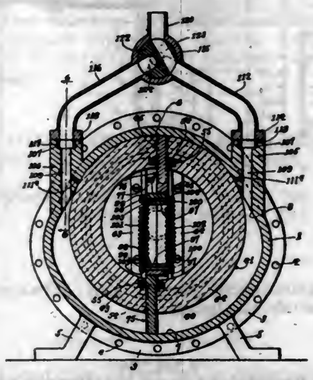


An article of the kind described for use at a drain opening having a perforated strainer disk covering the same, comprising an imperforate resilient body for sealing the strainer disk when superimposed thereon and having a peripheral annular flange for contact with said disk at its margin, a rib formed with the body centrally of its uppermost side and disposed crosswise a distance thereof for effecting a finger grip, an anchoring medium of inverted substantially U-shaped bail formation made from a single length of wire partially embedded centrally within the body to have the intermediate portion reinforcing the rib with the tines of the bail formation extended exteriorly of the body beyond its lower face, and reversely extending laterally directed terminal hooks formed from said tines for insertion in selected perforations in said disk whereby the flange will press against the said disk to have the body in a sealing condition about the said disk.

2,205,704
PROCESS FOR PRODUCING FREE CELLULOSE FIBER
George M. von Hassel, Berlin, Germany
No Drawing. Application April 12, 1937, Serial No. 136,435. In Germany September 25, 1936
4 Claims. (Cl. 8—137)

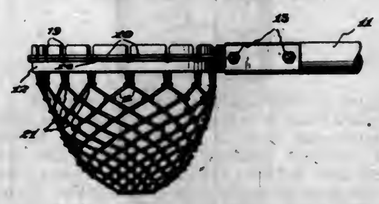
1. Process for freeing cellulose fiber from adhering impurities, such as lignine and the like, and obtaining the fiber in unmatted condition, comprising taking a mass of raw, mechanically disintegrated, fibrous vegetable matter containing impurities and working into said mass finely divided, water-insoluble material and water to form a mud, drying said mud and then blowing said dried mud through a series of sieves through which the finely divided material and impurities pass while the fibers are retained on said sieves.

2,205,705
POWER UNIT
George W. Whitehurst, Portsmouth, Va.
Application August 27, 1935, Serial No. 38,126
Renewed November 13, 1939
6 Claims. (Cl. 121—82)



1. In a power unit, a revoluble power transmitting rotor, a reciprocatory pressure propelled two-part driving structure for and slidably carried by the rotor, each of said parts extending through the other part in proximity to the inner end of the latter, and means encompassing the rotor acting on the outer end of each of said parts for reciprocating said structure during the revolving of the rotor.

2,205,706
NET SUPPORTING DEVICE
Oscar M. Wolff, Chicago, Ill.
Application October 4, 1937, Serial No. 167,293
4 Claims. (Cl. 210—161)

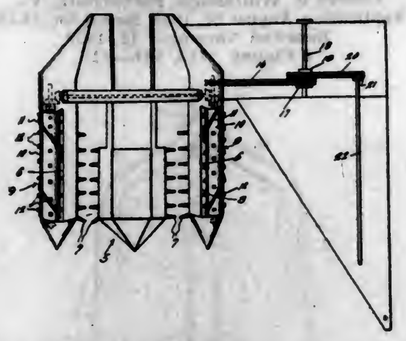


4. A support for a net formed of knotted flexible strands comprising, a ring having circumferentially spaced openings therein, said ring having a slot associated with each opening extending from the one edge of the ring into communication with the openings permitting individual strands of the net to be moved laterally into the openings, and said openings being of such size as to accommodate more than one strand and being sufficiently small so that the knotted portion of at least two strands will engage the edges of the opening and prevent longitudinal movement of the knotted strands through the opening.

2,205,707
CORN PICKING MACHINE
Charles S. Wooding, Jr., Chenoa, Ill.
Application May 2, 1939, Serial No. 271,414
2 Claims. (Cl. 56—119)

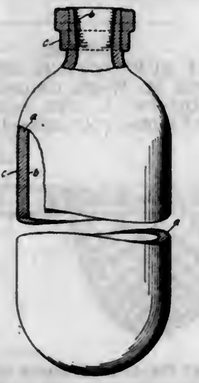
1. In a corn picking machine, picking means, a side shield and an auxiliary corn catching rotor

mounted on the shield adjacent the picker means, said roll being provided with a spiral rib extend-



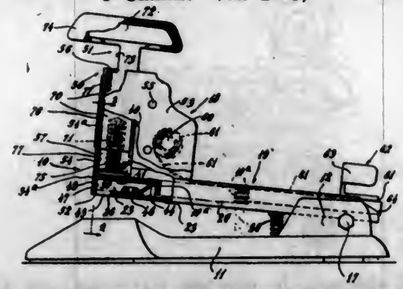
ing longitudinally thereof and outwardly projecting studs on the roll.

2,205,708
PRESSURE VESSEL FOR COMPRESSED OXYGEN OR OXYGEN-CONTAINING GASES
Emil Zurbrügg, Neuhausen, Switzerland, assignor to Aluminium - Industrie - Aktien - Gesellschaft, Neuhausen, Switzerland, a joint-stock company of Switzerland
Application December 21, 1937, Serial No. 180,931
In Switzerland December 23, 1936
8 Claims. (Cl. 220—63)



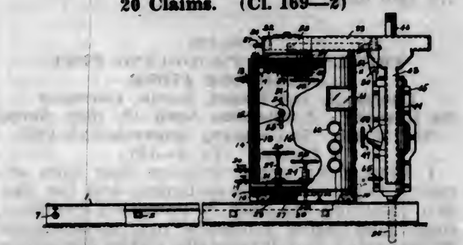
1. A thin-walled gas-tight chargeable-and-dischargeable pressure vessel or flask of the kind having ample size and capacity for storing or transporting substantial supplies of a compressed oxygen-containing gas or oxygen, the same composed of a light metal, as aluminum alloy, which when subjected to high temperature in the presence of such gas is capable of combining exothermically therewith, causing the burning of such metal; said vessel characterized in having its wall surface adherently coated with a continuous protective layer composed of a non-combustible and difficultly-fusible coating material of relatively small but appreciable thickness which seals and prevents access of the oxygen to the wall metal; thereby largely to reduce or obviate the danger of conflagration between the wall metal and the compressed gas if and when a burning temperature be started, as in case the vessel wall be violently struck and pierced.

2,205,709
STAPLING DEVICE
Morris Abrams, Brooklyn, N. Y.
Application June 21, 1939, Serial No. 280,323
5 Claims. (Cl. 1—3)



1. A stapling machine comprising a base, a member pivoted thereto comprising an outer guide member having a bottom wall, side walls, and inwardly extending flanges at the upper ends of the side walls, an inner guide member within said outer guide member, said inner guide member having a top wall disposed below the flanges of the outer guide member, and parallel, side walls spaced inwardly of the side walls of said outer guide member, the top wall of said guide member having downwardly punched depressed tongues contacting the bottom wall of said outer guide member and fastened thereto, said outer guide member being formed with integral, upwardly projecting walls extending from the inner edges of said flanges, whereby said flanges are continuous substantially throughout the length of said outer guide member, and a housing member having parallel, side walls receiving said upwardly projecting walls and fastened thereto, said housing member having a front wall contacting the forward edges of the side walls of said outer guide member, said flanges terminating short of the forward edges of the side walls of said outer guide member, and the forward end of said inner guide member terminating short of the forward edges of the side walls of said outer guide member, the lower edges of the side walls and front wall of said housing member being substantially flush with the underside of the bottom wall of said outer guide member.

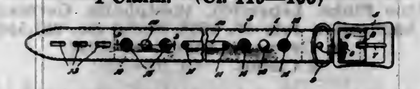
2,205,710
FIRE EXTINGUISHING EQUIPMENT
Le Roy Ashmore, Houston, Tex.
Application August 30, 1935, Serial No. 38,787
Renewed March 19, 1938
20 Claims. (Cl. 169—2)



10. Equipment of the character described comprising a track having passageways therethrough for the circulation of a cooling fluid and provided with ports through which the track may be sprayed with said fluid, a housing mounted to move along said track and containing a work

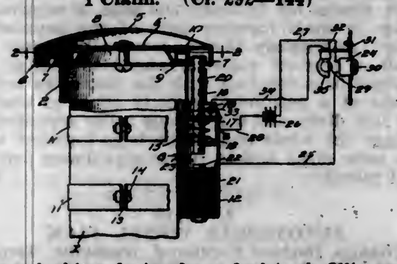
chamber, means for circulating a cooling fluid about said chamber, said housing having ports through which the housing may be sprayed with said cooling fluid, a boom mounted to pivot about the vertical axis on said housing and having depending guides, said boom and guides having channels for the circulation of the cooling fluid therethrough, a housing vertically movable between said guides and shaped to contain an extension pipe and means accessible for operation within the work chamber and connected to said last-mentioned housing and operative to adjust the same vertically.

2,205,711
INSECTICIDE COLLAR FOR ANIMALS
Frank K. Banks, Atlanta, Ga.
Application May 6, 1939, Serial No. 272,225
1 Claim. (Cl. 119—106)



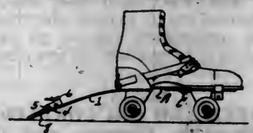
An animal collar comprising inner and outer plies of material in united relation at their ends, openings of substantial size being formed in the plies intermediate their ends, said intermediate portions of the plies having the adjacent confronting walls thereof spaced from each other, a pad abutting the inner face of the outer ply, a screen abutting the inner faces of the pad and the inner ply and bridging the openings in the intermediate portion of the inner ply, said screen constituting means to maintain the pad out of contact with the body of the animal, and an insecticide in the pad.

2,205,712
VEHICLE FUEL TANK CAP LOCK
Robert E. Bitgood, Hope Valley, R. I.
Application March 14, 1938, Serial No. 195,918
1 Claim. (Cl. 292—144)



In a locking device for a fuel tank filling neck cap of the type to be turned when applying and removing the same, a cylindrical housing, a receptacle within the housing and including upper and lower walls having registering openings therein, a sleeve secured to and rising from the receptacle, a bolt for engagement with the cap for locking the latter in applied position, said bolt being mounted for slidable movement in the openings for disposal within the housing and through the receptacle and sleeve to be guided thereby, a disk within the receptacle and surrounding the bolt, switch contact means on the upper wall of the receptacle and cooperating with the disk to provide circuit making and breaking means, said contact means being disposed in the path of the disk to be engaged thereby, abutment means for the disk and carried by and positioned on the bolt so that the disk will be held spaced from the contact means when the bolt is engaged by the cap and the latter is in applied position, a coil spring within the receptacle and sleeved about the bolt with its end convolutions engaging the disk and the lower wall of the receptacle respectively for holding the disk in engagement with the contact means when the cap is removed from the neck and for holding the bolt in engagement with the cap when the latter is in applied position, and an electromagnet within the housing for attracting the bolt to move the latter against the action of the spring.

2,205,713
ROLLER SKATE MARKING DEVICE
William T. Cain, New Westminster, British Columbia, Canada
Application July 12, 1939, Serial No. 284,132
3 Claims. (Cl. 280—11.37)



3. A marking device for a roller skate, comprising an elongated flat relatively narrow spring arm having a bifurcated end for attachment to the skate and curved for a portion of its length, a ground engaging marking element in the form of a stick, and means on the opposite end of the spring arm for securing the marking element for engagement with the ground.

2,205,714
BRAKE FOR AIRCRAFT
Philipp v. Doepp, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany
Application June 29, 1934, Serial No. 733,136
In Germany July 3, 1933
6 Claims. (Cl. 244—113)

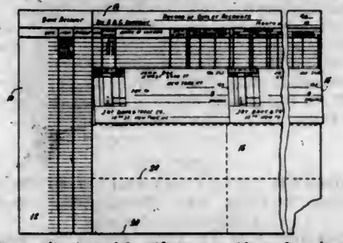


1. In aircraft in combination, a supporting plane including a skin having a substantially unbroken bottom surface, a vane extending below and substantially in parallel relation to said bottom surface, means for rocking said vane into the air space below said plane by angular movement about an axis extending near the trailing edge of said vane, said vane being spaced from the front edge of the plane by a distance not exceeding forty per cent of the chort length of said plane, means connected to said vane and acting in response to an increase of dynamic air pressure on said means to move the vane to operative position, and means for balancing part of the force acting on said vane-moving means.

2,205,715
COMBINED CHECK AND ACCOUNT BOOK
Ellsworth B. Dreher, New York, N. Y.
Application August 26, 1938, Serial No. 226,883
2 Claims. (Cl. 283—66)

1. A combined check and account book comprising a series of L shape sheets folded and bound together at one end and forming at one side of the fold a narrow leaf with appropriately designated spaces forming a check stub and at the opposite side of the fold with two portions one of

which is folded upward against the other to form of the entire sheet a rectangle, said one portion comprising a plurality of checks and the other portion having suitably designated spaces for the recording of outlay accounts, said checks when



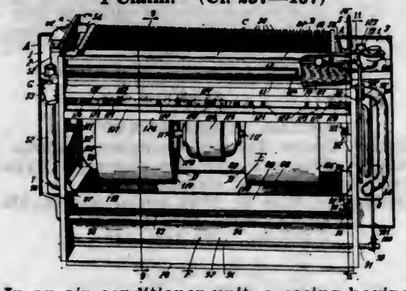
folded against said other portion having their printed faces downward and said checks being foldable on themselves to expose the printed side and to expose designated spaces on said other portion to receive information on the check.

2,205,716

UNIT HEATER AND AIR CONDITIONER

Clayton A. Dunham, Glencoe, and David N. Crosthwait, Jr., Chicago, Ill., assignors to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa

Application February 4, 1938, Serial No. 188,598
1 Claim. (Cl. 257—137)



In an air-conditioner unit, a casing having an air inlet opening in the lower portion thereof and an air outlet in the upper portion, a heat-exchange unit in the upper portion of the casing, and means for enforcing an upward flow of air through the casing comprising a panel supported substantially horizontally through the central portion of the casing and blower mechanism suspended adjacent the panel and adapted to draw air from the space beneath the panel and force this air through openings in the panel into the space above the panel and thence in contact with the heat-exchanger, and means for permitting a free convection circulation of air upwardly through the casing when the blower mechanism is not in operation comprising auxiliary openings in the panel, pivotally mounted closures for these auxiliary openings, springs for automatically moving the closures to open position, the closures being moved to and held in closed position by the increased pressure in the space above the panel when the blower is operating.

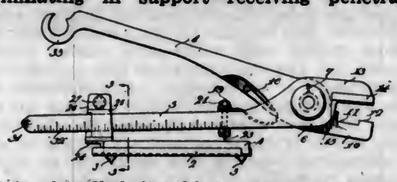
2,205,717

TILE SCORING AND BREAKING DEVICE

Fleming A. Fedon, Pittsburgh, Pa.

Application September 11, 1939, Serial No. 294,404
6 Claims. (Cl. 125—23)

1. A scoring and breaking device for tile and the like, comprising a square cornered work receiving and holding base, abutting flanges for the work and rising from right angled disposed edges of the base, feet depending from the base and terminating in support receiving penetrating



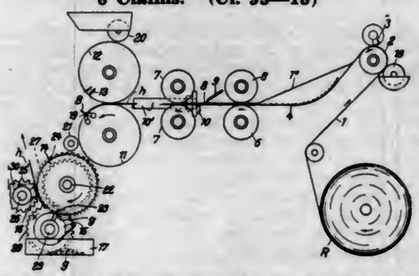
points, handled breaking means, and scoring means carried by one of the handles of the breaking means for scoring the work when mounted upon the base.

2,205,718

MACHINE FOR MAKING PAPER BAGS

Arno Finke, Lengerich, Westphalia, Germany

Application July 27, 1938, Serial No. 221,586
In Germany August 13, 1937
6 Claims. (Cl. 93—18)



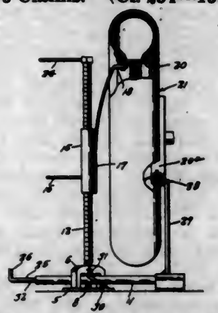
1. In a machine for making paper bags from a sheet formed into a tube, means for defining a waste end for each bag on the sheet the tube is formed from, by scores extending inwardly from the side edges of the sheet for part of its width only, means for forming the scored sheet into a tube, means for finishing the bags, a supporting roller, a shaft forming part of the supporting roller, alternately fast and loose disks on the shaft, a tear-off roller arranged to engage the finished bags together with the fast disks and to rotate at a peripheral velocity equal to that of the fast disks, and a retaining roller arranged to engage the waste end of the bags together with the loose disks and to rotate at a lower peripheral velocity.

2,205,719

AUTOMOBILE WHEEL JACK

Thomas Herbert Forehand, Nashville, Tenn.

Application January 16, 1940, Serial No. 314,140
5 Claims. (Cl. 254—134)



1. In an automobile wheel jack of the char-

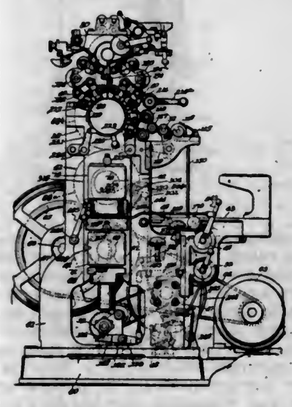
acter described, a base, a wheel-lifting jack supported by the base for raising and lowering the wheel, and a wheel-supporting device mounted on the base for horizontal swinging movement relative thereto into and out of engagement with a part of the raised wheel for supporting the latter in a raised position independent of said wheel-lifting jack.

2,205,720

PRINTING PRESS

George Goebel and Elbe A. Wilckens, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application October 1, 1936, Serial No. 103,592
32 Claims. (Cl. 101—247)



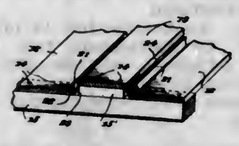
1. The combination in a printing press, of a printing couple, compressible gaseous fluid pressure supported means to support one of the elements of said couple, and means to control said first-named means in accordance with the delivery of sheets to said couple.

2,205,721

SLATTED AWNING

Carroll B. Grant, Dallas, Tex.

Application September 23, 1939, Serial No. 296,310
16 Claims. (Cl. 156—15)



11. An awning comprising a series of slats disposed in parallel spaced relation in a common plane, a second series of slats disposed in a common and different plane and staggered with respect to the first series without overlapping, cleat means supporting all said slats and at the same side thereof, drainage gutters on the cleat means and extending longitudinally between adjacent slats on the same side therewith, the side edges of the second series of slats overhanging a wall portion of an adjacent gutter, and said wall portion being spaced from and beneath the adjacent overhanging slat edge to provide an air passage.

2,205,722

PROCESS FOR PREPARING DELUSTERED SYNTHETIC FIBERS AND THE LIKE

George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 4, 1936, Serial No. 109,181
8 Claims. (Cl. 260—37)

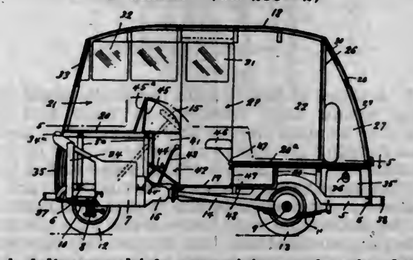
1. A process for obtaining a homogeneous dispersion of polyamide and inert finely divided material, said process comprising heating a polyamide-forming composition under polymerizing conditions in the presence of about 0.1 to 5.0% by weight of inert finely divided material which is incompatible with the polyamide resulting from said polyamide-forming composition and which is of different refractive index from that of said polyamide.

2,205,723

DELIVERY TRUCK

Ralph D. Hansen, Sioux Falls, S. Dak.

Application July 26, 1938, Serial No. 221,427
1 Claim. (Cl. 280—2)



A delivery vehicle comprising a chassis of substantially conventional construction and having a motor at its front end, a body having a floor composed of a low intermediate portion of short length, a raised front portion of longer length and a raised rear portion, uprights on the chassis for supporting the front and rear raised portions of the floor, the front raised portion being located over the motor, said body having door openings rising from the low part of the floor, sliding doors for said door openings, the front raised portion of the floor having an opening in one of its rear corners, panels extending downwardly from the walls of said opening to form a small compartment for the actuating means of the motor, said small compartment opening out into the space formed by the low floor portion, one of the panels forming a floor for the small compartment, vertical panels extending between the low floor portion to the adjacent ends of the front and rear floor portions, an instrument panel extending upwardly from the front floor portion and partly surrounding the opening in said corner thereof and a shield extending from the top of the instrument panel forwardly and downwardly to the front floor portion.

2,205,724

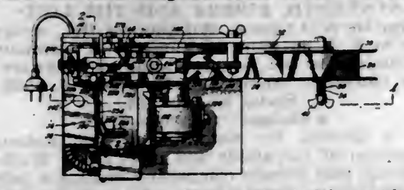
GARMENT IDENTIFICATION

Wentworth S. Hines, Burlington, N. C.

Application March 10, 1939, Serial No. 261,075
12 Claims. (Cl. 93—88)

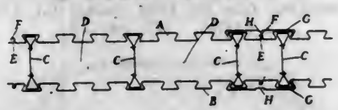
1. A device of the type described comprising a work support, a power drive, a web guide including means operatively connected with said power drive for moving the web across work on said work support, means for severing the web to provide a label, a numbering device including a piv-

oted supporting arm therefor, a stapling mechanism for attaching the label to the work, said



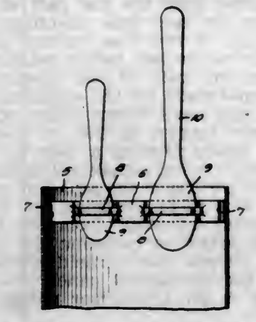
stapling mechanism being actuated by said pivoted supporting arm, and the severing device being actuated by said stapling mechanism.

2,205,725
BEAM STRUCTURE
Charles Joseph Kavanagh, London, England
Application October 6, 1936, Serial No. 104,321
In Great Britain October 17, 1935
12 Claims. (Cl. 72—70)



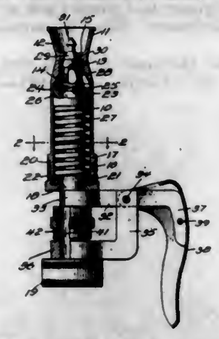
10. A series of light weight composite constructional beams each complete in itself and resistant to bending stresses and comprising a metal sheet forming the flange of the beam and having a portion intermediate its ends formed with a longitudinally ranging undercut corrugation, and a separately formed stiffening member constituting the web of the beam interlocked with the said undercut corrugation, the flanges of adjacent beams being overlapped and held together in operative position.

2,205,726
CONTAINER ATTACHMENT
Charles L. Lehman, Edmonton, Alberta, Canada
Application July 26, 1938, Serial No. 221,390
1 Claim. (Cl. 65—65)



In combination with a receptacle having an open mouth, a bar fixed to the inner wall of said receptacle and traversing said mouth, said bar fashioned with a portion between its ends formed with a pair of spaced longitudinal slits dividing said portion into upper, lower and intermediate sections, said sections bent away from said bar and extending in parallelism therewith, said upper and lower sections and said intermediate section disposed on opposite sides of said bar and coacting with each other to define a closed loop having vertically extending walls, said loop adapted to receive the lower end of a dispenser used to dispense the contents of said receptacle and with said walls coacting with said dispenser to maintain the latter in a substantially vertical position to effect discharge of drippings from said lower end of said dispenser within said receptacle.

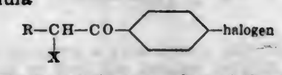
2,205,727
AUTOMATIC HOSE NOZZLE
Godfrey Lengacher, Sugarcreek, Ohio
Application November 7, 1938, Serial No. 239,357
1 Claim. (Cl. 299—131)



In an automatic hose nozzle, a tubular stem forming a valve, a barrel slidably mounted on the stem having a valve seat, a spring sleeved on the valve stem and engaging the barrel and the stem to normally hold the valve seated, an angular fulcrum arm having legs extending at a right angle relatively to each other, a ring on one leg swivelly receiving said stem, a lever pivoted on the other leg terminating in a fork embracing the stem and engaging the barrel to move the barrel against the tension of the spring to unseat the valve, a tubular exteriorly threaded nipple alined with and formed integral with the ring of the fulcrum arm and swivelly receiving said stem, and an adjusting nut threadedly engaged with the nipple between the fork of the lever and the ring and bearing against said fork to limit throw of the lever.

2,205,728
PROCESS OF MANUFACTURING AMINO KETONES
Henry Martin and Rudolf Hirt, Basel, Switzerland, assignors to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application July 12, 1938, Serial No. 218,879. In Switzerland July 16, 1937
6 Claims. (Cl. 260—457)

1. A process for the production of aromatic amino ketones, comprising causing a ketone of the formula



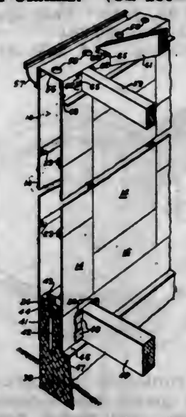
wherein R represents a member of the group consisting of alkyl, cycloalkyl, alkyl-Y-, cycloalkyl-Y-, containing more than 5 C-atoms with Y representing a member selected from the group consisting of O, S, N-alkyl and N-cyclo alkyl, X represents a member of the group consisting of H, alkyl, aralkyl and aryl, to react with a secondary amine, capable of reacting, selected from the group consisting of aliphatic, aliphatic-araliphatic, aliphatic-hydroaromatic and heterocyclic nature.

2,205,729
INCLINOMETER
Daniel B. Monroe, Denver, Colo.
Application December 1, 1938, Serial No. 243,344
9 Claims. (Cl. 33—221)



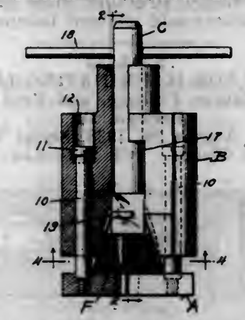
1. A plumb bob suspension for oil well surveying instruments comprising: a housing surrounding a plumb bob; a plug member closing the top of said housing, there being an axial passage through said plug member; a ball in said passage; a spring supporting said ball therein; a flexible member extending from said ball to said plumb bob and holding the latter stationary against the bottom of said plug; and means for forcing said ball downwardly to release said plumb bob from said plug and allow it to be freely suspended.

2,205,730
BUILDING CONSTRUCTION
Arthur C. Morgan, Los Altos, Calif.
Application April 16, 1938, Serial No. 202,511
11 Claims. (Cl. 189—34)



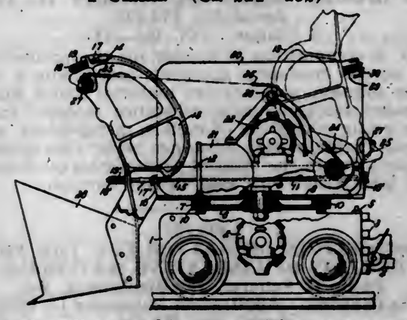
4. A building construction for the walls and partitions of buildings, said construction comprising an assembly in rows and columns of a plurality of building blocks of hollow box-section form presenting flush interior and exterior surfaces and having interlocking members on the end faces thereof, adjoining blocks disposed end to end in the assembly being connected together in interlocking joints on horizontal planes through the medium of said interlocking members, and adjoining blocks in super-posed and sub-posed relationship in the assembly being connected together in telescopic interlocking joints through the medium of said interlocking members on the end faces of the blocks; said interlocking connections presenting unbroken vertical joints in the form of tubular structural supporting columns.

2,205,731
BELT PREPARING TOOL
John C. Olsen, Chicago, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois
Application July 14, 1938, Serial No. 219,180
4 Claims. (Cl. 164—124)



1. In a tool of the character described, the combination with a bottom supporting plate; of a block reciprocatingly mounted relative to said plate, said block, on the bottomside adjacent the plate, being provided with a downwardly flared recess of cross section corresponding to that of the belt to be acted upon; a plurality of punch-like tools proper freely vertically slidably mounted in said block and adapted to engage the belt when the latter is clamped in said recess between the block and plate, the flaring sides of said recess of the block, in alinement with said tools proper, being outwardly recessed to temporarily accommodate material of the belt displaced by and while said tools proper are embedded therein.

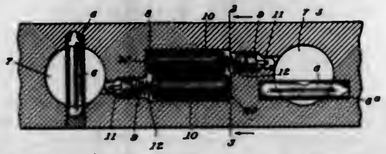
2,205,732
SHOVELING MACHINE
Edwin B. Royle, Salt Lake City, Utah, assignor to The Elmco Corporation, Salt Lake City, Utah, a corporation of Utah
Application May 16, 1939, Serial No. 274,047
1 Claim. (Cl. 214—132)



A shoveling machine comprising a supporting structure, a rocker structure having curved surfaces for rolling on said supporting structure, a

dipper carried at an end of said rocker structure beyond said curved surfaces, a flexible pull-back member having one end connected to a point on said rocker structure and the other to a reel, said reel having side flanges between which said member may be wound in successive layers of a single thickness, power means for rotating said reel a plurality of turns to roll said rocking structure from a dipper loading position to a dipper dumping position, thereby to accelerate said dipper as it approaches dumping position, and resilient bumpers positioned on said supporting structure to engage and stop the rocker structure in dipper dumping position, said reel and said point on the rocker structure being relatively positioned to create a pull through the instantaneous rolling axis of the rocker structure when said rocking structure engages said resilient bumpers.

2,205,733
MEANS FOR ILLUMINATING LEVELS
Earl G. Sauter, Chicago, and Fred Notwell, Berwyn, Ill.
Application August 29, 1938, Serial No. 227,464
2 Claims. (Cl. 240—6.44)



1. A device of the character described, comprising, a level block formed with spaced openings and a recess between said openings, spirit tubes carried by said block and extending across said openings, said block formed with constricted passages defining bulb seats therein and effecting communication between said openings and said recess, light bulbs seated in said passages for illuminating said tubes, batteries slidably mounted in said recess, springs connecting said batteries to said bulbs for maintaining the latter clamped against said seats and in a manner to normally maintain the centrally disposed terminals of said batteries spaced from like terminals of said bulbs, and means carried by said block and engaging said batteries for selectively moving said batteries towards said bulbs to effect contacts between said terminals of said bulbs and said batteries to illuminate said bulbs.

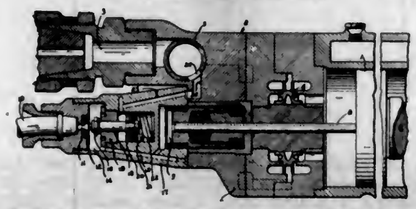
2,205,734
COMPOSITION OF MATTER
Philip C. Scherer, Jr., Blacksburg, Va.
No Drawing. Application November 11, 1937, Serial No. 174,023
6 Claims. (Cl. 106—18)

1. A composition of matter for the production of porous insulating materials comprising a viscose solution, a refractory material and a finely divided gas-generating substance selected from the group consisting of metals, metal alloys, and metal carbides, said substance being able to generate a gas in the form of fine bubbles by chemical interaction with said viscose solution.

2,205,735
COMPOSITION OF MATTER FOR THE PRODUCTION OF INSULATING MATERIALS
Philip C. Scherer, Jr., Blacksburg, Va.
No Drawing. Application November 11, 1937, Serial No. 174,024
19 Claims. (Cl. 106—18)

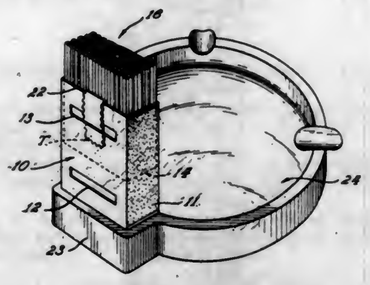
1. A composition of matter for the production of porous insulating materials which comprises a viscose solution, a finely divided gas-generating substance selected from the group consisting of metals, metal alloys and metal carbides and a cementitious material, said gas-generating substance being able to generate a gas in the form of fine bubbles by chemical interaction with said viscose solution.

2,205,736
PERCUSSIVE TOOL
Herman J. Schorle, Northampton, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application April 22, 1939, Serial No. 269,473
7 Claims. (Cl. 121—10)



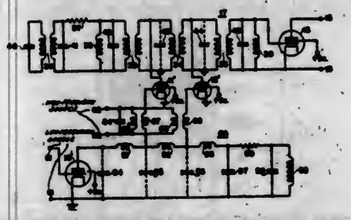
1. In a percussive tool, the combination with a pressure fluid controlling throttle, a distributor valve for controlling operation of the tool and a passage for conducting cleansing fluid to a drill hole made by the tool, of pressure fluid actuated means for controlling flow of cleansing fluid through said passage, and means on said throttle for controlling operation of said means whereby the flow of cleansing fluid will be proportionate to the flow of pressure fluid to said distributing valve.

2,205,737
MATCH CONTAINER
Frank J. Weisgerber, Aurora, Ill.
Refiled for abandoned application Serial No. 214,618, June 20, 1938. This application June 21, 1939, Serial No. 280,354
4 Claims. (Cl. 206—31)



1. A match container comprising an open-ended frame, a match box slidable therein for carrying matches, said match box having two side walls and a bottom portion between the same with perforations extending transversely of each side wall and over said bottom for removing substantially one-half of said box in a tearing action, a tongue extension on the bottom of said box, and a slot in one side of the open-ended frame to receive said tongue for securing said box in a position nearer to one end than to an opposite end of said frame to expose the

2,205,738
WIDE BAND AMPLIFIER AND MODULATION SYSTEM
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application August 16, 1938, Serial No. 225,147
14 Claims. (Cl. 179—171.5)



1. In a modulated-carrier signal-translating system, a signal-translating channel adapted to be energized by a source of carrier-frequency signals and including input and output circuits, a coupling network comprising a dead-end filter having a resistance termination at its dead end, each of said input and output circuits being coupled with said filter, at a junction of said filter separated from said dead end by at least one half-section of said filter, the carrier frequency of said source being located substantially at one edge of and within the pass band, whereby the carrier-frequency component is not substantially attenuated between said input and output circuits while the carrier-frequency component is substantially attenuated between said input circuit and said resistance.

2,205,739
GAS RELEASE VALVE FOR WELLS
Robert Alexander Wilson, Dallas, Tex., assignor to Kibele Manufacturing Company, Dallas, Tex., a corporation of Texas
Application October 1, 1937, Serial No. 166,839
4 Claims. (Cl. 166—2)

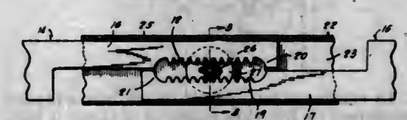


1. In a flow line provided with a surrounding packer, gas release means below the packer, said means comprising a plurality of valves opening inwardly to the interior of the flow line, and an outwardly extending skirt below said valves to deflect clogging material from the valves.

2,205,740
LUBRICANT
Julius A. Wunsch and Charles A. Marlies, New York, N. Y., assignors to The Lubri-Zol Development Corporation, a corporation of Delaware
No Drawing. Application March 14, 1932, Serial No. 598,878
12 Claims. (Cl. 87—9)

1. A lubricant comprising a major proportion of unchlorinated mineral oil and a minor amount of a compound including a chlorinated fatty acid radical.

2,205,741
ADJUSTABLE HEADBAND
Frederick M. Bowers, Chester, Pa.
Application October 1, 1937, Serial No. 166,796
4 Claims. (Cl. 2—8)



1. An adjustable headband of the character described comprising a strip adapted to fit about the head of a wearer and having relatively movable overlapping end portions, each of said end portions being provided with a series of teeth defining a rack, a tubular casing having inner and outer walls receiving said relatively movable end portions, the inner wall of said casing being curved to snugly fit about the head of a wearer, a shaft disposed within the casing and carrying an abutment element interposed between the inner wall of said casing and said overlapping end portions, the outer wall of said casing being formed with an opening, an operating member, said shaft and said operating member extending through said opening, a gear element drivably carried by said shaft and in operative engagement with said racks, and means consisting of elements carried by said operating member and outer wall of the casing which cooperate to yieldably maintain the operating member in an adjusted position.

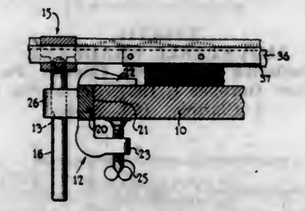
2,205,742
ADJUSTABLE HEADBAND
Frederick M. Bowers, Chester, Pa.
Application April 2, 1938, Serial No. 199,609
9 Claims. (Cl. 2—8)



1. In combination, a tubular casing of a curved formation corresponding to the shape of a wearer's head and having inner and outer walls, a headband having end portions received in said casing and in overlapping relationship, each of said end portions carrying a rack, a gear means in engagement with each of said racks and operable upon rotation to cause relative movement of

the end portions, the said outer wall of said casing being formed with an opening, a bearing member having a portion received in said opening and formed with a bearing opening, an operating member carrying a sleeve extending into the bearing opening of said bearing member and which sleeve is drivably connected to said gear means, and a friction device interposed between said bearing member and said operating member for yieldably maintaining said operating member in an adjusted position.

2,205,743
SHEAR GUIDE FOR CUTTING CLOTH
Maximilian Breth, Ozone Park, N. Y.
Application October 22, 1937, Serial No. 170,370
7 Claims. (Cl. 164—79)



6. In combination, a pair of clamps adapted to be attached to the side edges of a table, a pair of parallel members slidably mounted on said clamps and adapted to extend perpendicularly above the table, grooved members at the upper ends of said parallel members, an elongated bar formed with a longitudinal groove and adapted to be disposed above and across said table, and slidably engaging within said grooved members.

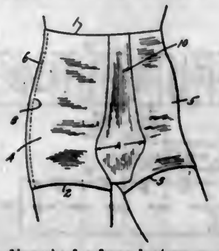
2,205,744
AIR CONDITIONING SYSTEM
Frank Conrad, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 25, 1933, Serial No. 653,516
6 Claims. (Cl. 62—129)



1. The method of conditioning air in a passenger vehicle which comprises passing air in heat-exchanging relation with a body of refrigerant for cooling the air and reducing its vapor content, conveying the cooled air to the passenger compartment, and discharging the cooled air in an upward direction into contact with warm portions of the vehicle adjacent the top thereof above the level occupied by the passengers, so that the temperature of the air is raised and its relative humidity lowered before descending to the passenger level.

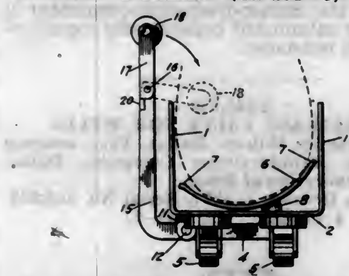
2,205,745
PANTIE CONSTRUCTION
Maude C. Fridolph, Los Angeles, Calif.
Application February 28, 1938, Serial No. 192,925
Renewed November 20, 1939
3 Claims. (Cl. 2—224)

1. In a garment, the combination of: side members extending below the level of the crotch, said side members being resiliently stretchable in horizontal planes, and a unitary strip of longitudinally stretchable material, differing in width, adapted to extend downwardly over the abdomen and rearwardly over the crotch; said strip being attached throughout its side edges to said side members, said strip being relatively narrow in its crotch portion and provided with upwardly and



divergingly directed edges between the crotch portion and that portion traversing the abdomen, said side members cooperating with said divergingly directed edges to prevent upward cutting of the crotch of the wearer, said upwardly diverging edges of said strip being adapted to form a strip having a materially wider portion at a zone traversing the upper part of the pubic region than the width of the strip at the crotch.

2,205,746
AUTOMOBILE TIRE JACK OR DOLLY
Louis Leahy Judge, Baltimore, Md.
Application July 3, 1939, Serial No. 282,748
4 Claims. (Cl. 254—8)

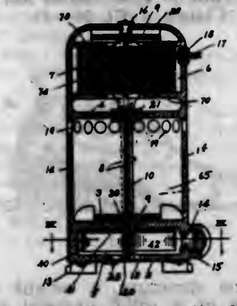


2. A manipulating carriage of the class described comprising in combination, a carriage with openings in the bottom plate thereof; a manipulating plate positioned angularly in the carriage and adapted to engage and support the external surface of a tire; a mechanism attached to the manipulating plate for moving the same and raising and lowering tires placed therein in a predetermined manner, and with portions actuating through said openings, and a handle attached to the mechanism for operating the mechanism from the side of the carriage.

2,205,747
TOY PUMP
Howard F. Klauss, Pittsburgh, Pa.
Application January 24, 1939, Serial No. 252,577
3 Claims. (Cl. 103—87)

1. An unit toy structure including a pump rotor and electric motor for driving the rotor arranged in vertically spaced-apart relation within a housing, said housing consisting in an elongate, dome-like shell adapted to stand, self-sustaining, on end in a shallow pool of water and

to extend above the surface of such pool, said shell enclosing said motor within its upper end, and including a pump chamber for said rotor within its lower end, an inlet and an outlet opening from such pump chamber through the wall of such shell, together with an auxiliary outlet communicating with said pump chamber and arranged to deliver a cooling flow of water upon the external surface of said shell in the vertical interval between the pool surface and the portion of said shell in which said motor is enclosed.



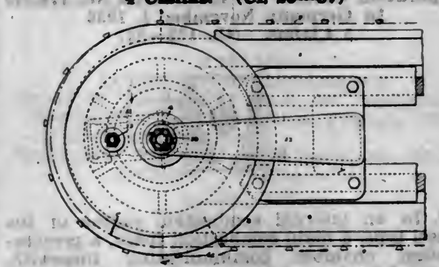
3. A motor-driven pump unit adapted to stand upon the bed of a pool of liquid, with the housing of the pump provided with a transverse wall substantially paralleling, and spaced at an interval above, the surface of such bed, an inlet for liquid in such wall, and a valve adjustable substantially in the plane of the wall for regulating the effective area of such inlet.

2,205,748
WELL PIPE PLUG
Granville S. Knox, Los Angeles, Calif., assignor to Hydril Company, Los Angeles, Calif., a corporation of California
Application June 26, 1937, Serial No. 150,569
13 Claims. (Cl. 166—13)



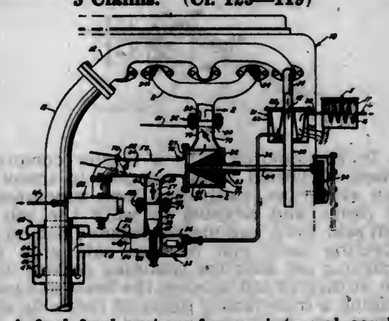
1. In a plug adapted to be lowered within a well pipe on a suspension means, the combination comprising a body, means connecting said body with the suspension means and adapted to allow relative movement therebetween, a valve normally held open while the plug is being lowered to permit fluid to pass upwardly through said body, means for holding the valve open, pipe engaging means adapted to be radially expanded into engagement with said pipe to hold the body against upward movement therein, a packer adapted to be radially expanded into fluid tight engagement with the pipe, control mechanism operable by movement of the suspension means in one direction with respect to the body to close said valve and to radially expand said pipe engaging means and packer into engagement with the pipe, said mechanism also being operable by movement of the suspension means in an opposite direction with respect to the body to open the valve and to radially contract the pipe engaging means and packer, and yielding means carried by the plug and engaging the well pipe, said yielding means holding said body against movement relative to the well pipe during operation of said control mechanism.

2,205,749
TENTERING MACHINE
Harold Lacey, Haledon, N. J., assignor to Morrison Machine Company, Paterson, N. J., a corporation of New Jersey
Application November 16, 1939, Serial No. 304,753
4 Claims. (Cl. 26—57)



1. Cloth tentering mechanism including, with supporting means, a traveling chain of clips carried by said means and having normally closed openable jaws, and means for guiding the chain and maintaining a substantially semi-circular rebend therein, a substantially circular opener carried by the supporting means and revoluble around its own axis, and having its perimeter arranged to be engaged, by said jaws and hold them open during travel of the respective clips through the rebend and which perimeter on the one hand has the path which the jaws follow in the movement of the respective clips from the rebend related to such perimeter approximately as a tangent and on the other hand is cut by a straight line forming an extension of the path which the jaws follow in the movement of the respective clips toward the rebend.

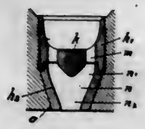
2,205,750
FUEL SYSTEM FOR ENGINES
Russell W. Ross, near Porterville, Calif.
Application January 3, 1939, Serial No. 249,026
5 Claims. (Cl. 123—119)



1. A fuel feed system for an internal combus-

tion engine comprising: a fuel preheater receiving heat from the engine exhaust, an air preheater receiving heat from the engine exhaust, a heavy fuel carbureter receiving heated heavy fuel and heated air from said fuel and air preheaters, respectively, a fuel mixture line leading from said carbureter to the intake of the engine, means extending across said line adapted to break up the fuel into fine uniformly distributed particles, a power driven fan in said line adapted to violently agitate the fuel and break it into fine particles, and also to raise the pressure of the fuel mixture, and a control throttle in said line.

2,205,751
DIESEL ENGINE
Hans Scherenberg, Stuttgart-Untertürkheim, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany
Application October 21, 1937, Serial No. 170,179
In Germany November 4, 1936
5 Claims. (Cl. 123—33)



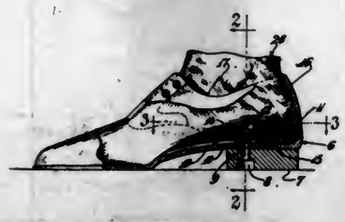
1. In an internal combustion engine of the Diesel type, a main combustion space, a precombustion chamber communicating therewith, means for injecting fuel into said precombustion chamber, means intermediate said precombustion chamber and said main combustion space comprising a heat storing core piece, a plurality of passages adjacent said core piece communicating with said precombustion chamber, and a nozzle connected to said passages and discharging into said main combustion space, said nozzle comprising a conduit connecting said passages with said main combustion space, said conduit converging gradually to a point near its end adjacent the main combustion space and formed with a substantially cylindrical portion at its end adjacent the main combustion space.

2,205,752
DAM FORMING DEVICE
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 22, 1938, Serial No. 186,397
21 Claims. (Cl. 97—52)



1. In combination with a tractor comprising a wheel supported frame adapted to travel between crop rows, cultivating tools supported on said frame and adapted to work the soil between said rows, and means disposed behind said cultivating tools and between said crop rows for digging out moisture retaining pockets in the loose, cultivated soil between the rows, said means including a transversely disposed rotatable shaft, draft means journaled on said shaft and connected to said tractor, and a plurality of radially extending, earth-engaging scraper blades mounted on said shaft, said blades being of appreciable width compared to their length and adapted to scoop out water retaining basins in the soil.

2,205,753
SHOE
Paul Svrlinga, Jr., Chicago, Ill.
Application June 6, 1939, Serial No. 277,635
4 Claims. (Cl. 36—3)



1. In a shoe structure, a height extending member made of a solid material secured to said shoe, the said height extending member provided with a ventilating recess at its lower surface, grommet means provided with ventilating holes adapted to register with the ventilating recess in said lower surface and further adapted to secure the said height extending member to the said shoe.

2,205,754
CORROSION INHIBITOR
William J. Sweeney, Westfield, and Emile L. Baldeschwieler, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 4, 1939, Serial No. 259,902
7 Claims. (Cl. 23—239)

1. A method of inhibiting corrosion in a metal container containing a motor fuel which comprises suspending in the lower part of the metal container a porous cloth bag containing yellow, very slightly water-soluble alkali uranates.

2,205,755
COLOR PHOTOGRAPHY
Arpad von Biehler, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application November 22, 1935, Serial No. 51,029
In Germany November 23, 1934
2 Claims. (Cl. 95—2)

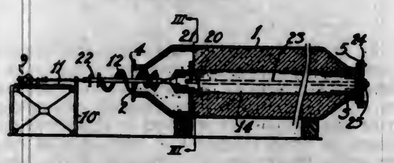


2. The process of printing onto a multi-layer material comprising a support, at least three layers on said support with at least two layers in superimposition, said layers being sensitized for different regions of the spectrum, at least two layers being colored for the region for which they are sensitized and at least one outer layer being uncolored which comprises exposing behind a negative and from one side of the support the uncolored layer and from the same side behind a positive the next adjacent colored layer, exposing behind a positive another colored layer from the other side of the support, developing the exposed material, converting the dyed layers into positives by a silver-bleaching out bath and toning the uncolored layer.

2,205,756
PHOTOGRAPHIC PRINTING PAPER
Edith Weyde, Cologne-Niehl, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 10, 1938, Serial No. 189,762. In Germany February 15, 1937
3 Claims. (Cl. 95—8)

1. A photographic element containing barium sulfate and comprising a paper layer and a superimposed light-sensitive silver halide emulsion layer, at least one of said layers containing an amount of a rare earth compound effective to suppress the adsorptive capacity of the barium sulfate for thiosulfates.

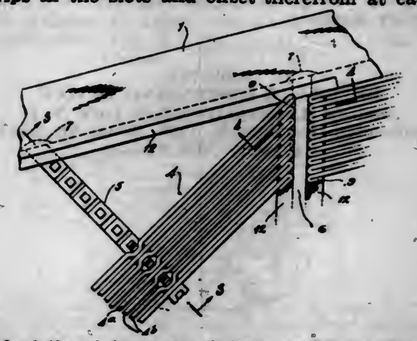
2,205,757
COKE CLEANING APPARATUS
George W. Wheat, Cedar Grove, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 18, 1937, Serial No. 164,606
3 Claims. (Cl. 83—6)



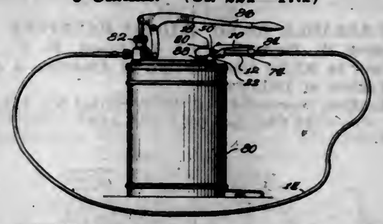
1. In an apparatus for removing a mass of solidifiable material from a container, the mass having a central bore therein, a cutter head comprising a body member, and a radially flanged portion on said body; a cap member peripherally engaging said flanged portion, and a boss disposed interiorly of the cap in coaxial relation to said body, said cap having a plurality of spaced slots extending through the top and side walls radially from adjacent said boss; a plurality of cutter arms disposed in circumferentially spaced relation on said flanged portion, said arms extending through the cap slots normally in parallel relation to the body axis; fluid pressure means disposed within said body and extending into said cap, said means engaging the cutter arms to extend them angularly through the cap slots; resilient means disposed between said cap boss and pressure means, for returning the arms to their normal position when pressure is released, and means for aligning said head in the central bore.

2,205,758
FILTER SCREEN
Thomas J. Clark, Carbondale, Pa., assignor to Hendrick Manufacturing Company, a corporation of Pennsylvania
Application July 20, 1937, Serial No. 154,543
3 Claims. (Cl. 210—169)

1. In a filtering screen, a support, slots in said support for the reception of screening strips, a series of straight strips located one in each slot, other screening strips located one on each side of and in contact with each of said straight strips in the slots and offset therefrom at each end of the slots an equal distance from and extending parallel thereto.

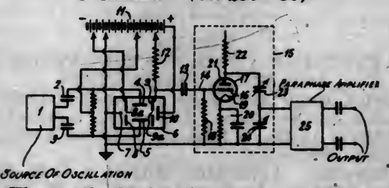


2,205,759
LUBRICATING APPARATUS
Ernest W. Davis, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 27, 1937, Serial No. 161,180
5 Claims. (Cl. 221—47.1)



1. A lubricating system having a manually operated pump with a lubricant discharge outlet and a conduit connected with said outlet, a coupling connected with said conduit, said coupling being adapted for successive connection with a plurality of fittings, and a normally open manually closed valve intermediate said pump and said coupling.

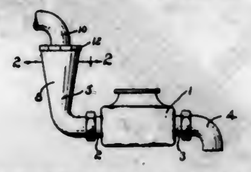
2,205,760
ELECTRONIC GENERATOR
David John Fewings, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application July 16, 1937, Serial No. 153,909
In Great Britain July 21, 1936
5 Claims. (Cl. 250—36)



1. The method of generating controlled wave energy which comprises the steps of producing sinusoidal oscillations, controlling the deflection of a focused beam of electrons in accordance with the produced sinusoidal oscillations, producing rectangular wave shape energy impulses from the controlled deflected beam of electrons, storing energy substantially linearly with time,

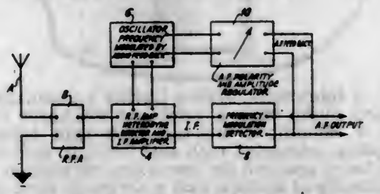
and initiating the discharge of the stored energy by said produced rectangular wave shape energy impulses.

2,205,761
BEVERAGE DISPENSING DEVICE
Andrew Hallberg, West New York, N. J.
Application December 9, 1938, Serial No. 244,763
5 Claims. (Cl. 225—5)



1. In a beverage measuring device, a measuring unit comprising in combination a meter, a dispensing spout attached to the outlet of the meter, and an inlet conduit connected to the inlet of the meter, means carried by the inlet conduit for detachably engaging with a dispensing faucet, and an extensible supporting device connected to said measuring unit for supporting the measuring unit independently of a dispensing faucet.

2,205,762
VARIABLE BAND WIDTH RECEIVER
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 16, 1936, Serial No. 111,050
14 Claims. (Cl. 250—20)

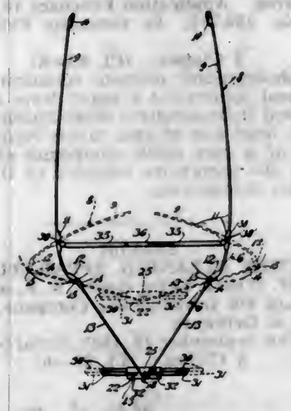


1. The method of changing the band width of frequency modulated wave energy which includes the steps of, rectifying said wave energy to produce audio frequency components characteristic of the frequency modulations on the wave energy, frequency modulating said wave energy in accordance with said audio frequency components and controlling the polarity of said audio frequency components to cause said last named frequency modulation to modify the extent of the frequency modulations on said wave energy.

2,205,763
POLYNUCLEAR CONDENSATION PRODUCTS AND THEIR PRODUCTION
Heinrich Hopff and Hans Schoenherr, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application August 9, 1938, Serial No. 223,828. In Germany August 26, 1937
10 Claims. (Cl. 260—362)

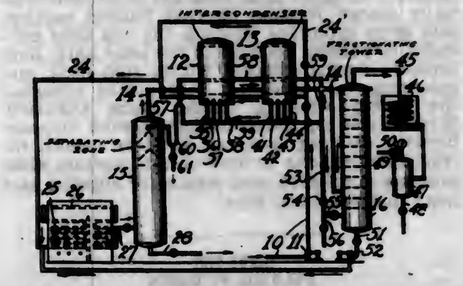
1. A process for producing polynuclear condensation products which are soluble in hydrocarbons, fats, oils and waxes to give a colored composition which comprises heating a cyclic ketone selected from the class consisting of those having from 4 to 6 six-membered carbon rings, all carbon rings in said ketone being members of one condensed ring system, and their chloro- and amino derivatives, with a catalyst comprising essentially an anhydrous halide of a metal selected from the group consisting of zinc, beryllium and aluminum.

2,205,764
BINOCULAR
Fred Husar, Chicago, Ill.
Application May 17, 1939, Serial No. 274,204
5 Claims. (Cl. 88—41)



1. In an instrument of the character described, in combination with a spectacle frame-work and a lens holder support, temple bar members made of a single piece having forward extensions, a pair of arms pivotally secured to the forward extensions of said temple bar members at one of their ends, their opposite ends pivotally secured to said lens holder support in triangular formation.

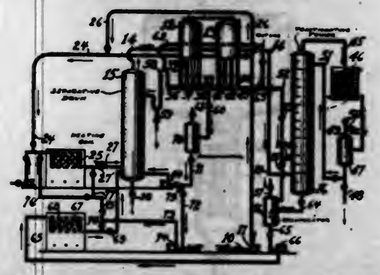
2,205,765
APPARATUS FOR CRACKING OIL
Carl E. Kleiber, Irvington, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 23, 1936, Serial No. 117,386
8 Claims. (Cl. 196—134)



1. In an oil cracking apparatus, means for separating the cracked products into vapors and residue, a vapor line, intercondenser means disposed in said vapor line for fractionally condensing the cracked vapors into a plurality of condensate fractions of different boiling range, a fractionating column means for separately removing said condensate fractions from said fractionating means, a common manifold conduit

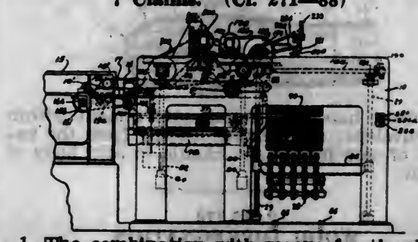
means for introducing said condensate fractions so removed into the common manifold conduit at spaced points longitudinally thereof in the order of the relative boiling range of said fractions, whereby the lowest boiling condensate is introduced into said manifold conduit adjacent one end thereof and the highest boiling condensate fraction is introduced into said manifold conduit adjacent the opposite end thereof, a vent pipe in communication at one end thereof with the manifold at the end thereof where the highest boiling fractions are received and at the other end with the vapor line and a second vent pipe in communication at one end thereof with the manifold conduit at the end where the lowest boiling fractions are received and at the other end with the vapor line, for maintaining the condensate in said manifold conduit under substantially uniform pressure, means for withdrawing condensate from each end of said manifold conduit and means operated by a single control for regulating the relative amount of condensate withdrawn from each end of said manifold.

2,205,766
APPARATUS FOR CRACKING OIL
Paul E. Kuhl, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 10, 1937, Serial No. 130,681
3 Claims. (Cl. 196—134)



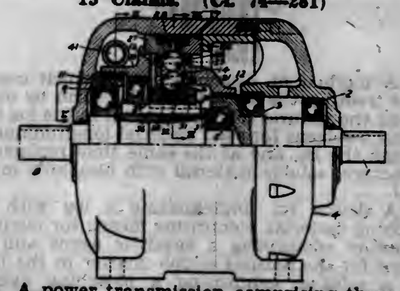
1. In an oil cracking apparatus, a vapor separator for separating cracked products into vapors and residue, a fractionating tower for condensing insufficiently cracked constituents of the vapors, a vapor conduit connecting said vapor separator with said fractionating tower, intercondensers for fractionally separating the highest boiling constituents of the vapors passing through said vapor conduit into a plurality of fractions of different boiling points, a manifold conduit, means for introducing said higher boiling fractions into said manifold at spaced points longitudinally thereof in the order of their boiling ranges, whereby the lightest fraction of said higher boiling condensates is introduced into said manifold adjacent one end thereof and the heaviest fraction is introduced adjacent the opposite end thereof, a pipe connecting the end of said manifold receiving the lightest fraction of said condensates with the fractionating tower, a second pipe connecting at the opposite end of said manifold with said vapor separator, a throttle valve positioned in the first named pipe connections for regulating the amount of condensate passed therethrough, vent pipes communicating with the ends of the manifold and with the vapor conduit for maintaining a substantially uniform back pressure on the condensates within said manifold and a third pipe connection communicating with said manifold conduit at a medial point for withdrawing an intermediate condensate fraction therefrom.

2,205,767
CONTINUOUS LAYBOY
George E. Lamb, Hoquiam, Wash.
Application July 5, 1938, Serial No. 217,463
7 Claims. (Cl. 271—88)



1. The combination with means for the delivery of pieces of sheet material therefrom in succession, of a layboy comprising a main receiving table adapted to receive the material directly from the delivery means in a manner to build up a stack thereon, means for causing the said table to be lowered in accordance with the rate of building up of the stack, another table movable, without disturbing the delivery of material, into position to receive the material from the said delivery means for continued formation of the stack during a period of unloading of the main table, and means for causing the second table to be lowered in accordance with the rate of building of the stacks thereon.

2,205,768
TRANSMISSION
George W. Pearce, Jr., Pittsburgh, Pa.
Application May 6, 1939, Serial No. 272,212
15 Claims. (Cl. 74—231)

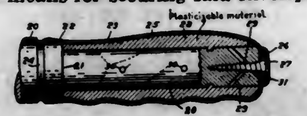


1. A power transmission comprising three coaxial members one of which is a driver and another driven, the intermediate member being provided with a plurality of circumferentially spaced openings therethrough, and a set of rotatable elements disposed in each opening and adapted to project therefrom into frictional engagement with the other two members, the axes of the rotatable elements in each set being offset relative to each other in the direction of rotation of said members to such a degree that rotation of said driver member wedges each of said elements between the adjoining member and adjoining element with sufficient force to prevent slipping under all load conditions, whereby said driven member is rotated.

2,205,769
IMPLEMENT HANDLE
Ernest J. Sweetland, Piedmont, Calif.
Application June 28, 1937, Serial No. 150,804
4 Claims. (Cl. 145—61)

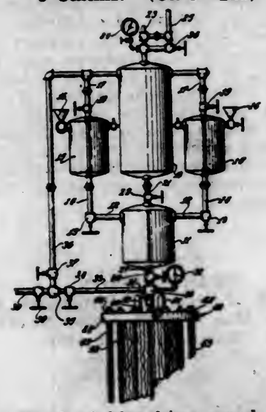
1. An implement handle comprising a core

member; a body of fluid-hardening cement surrounding said core member; an envelope of flexible material surrounding said core member and cement; means for securing said envelope to said



implement handle to retain said cement within said envelope; an aperture leading from the exterior of said implement handle to said body of cement.

2,205,770
WOOD IMPREGNATION
Lawrence R. van Allen, Chicago, Ill.
Application November 11, 1937, Serial No. 174,070
5 Claims. (Cl. 8—111)

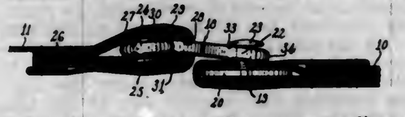


1. A method of bleaching wood which comprises treating the wood in the log form by displacing the natural soluble material in the log by forcing a solvent for such material longitudinally through the log and at the same time replacing the natural soluble material with bleaching material.

5. A device for impregnating a log with a bleaching material, comprising means for mixing a solution comprising a catalytic agent and a solvent for the natural soluble matter in the log and a solution comprising a bleaching agent adapted to generate gas upon mixture with said catalytic agent, said means being adapted to confine the resulting mixture of the solutions and the gas so generated, means for conveying the resulting mixture and gas to one end of a log so that the gas will force the solution through said log longitudinally thereof, means disposed at the other end of the log for receiving the material so forced therethrough, and means for optionally introducing additional gas under pressure with said resulting mixture and gas to the end of the log.

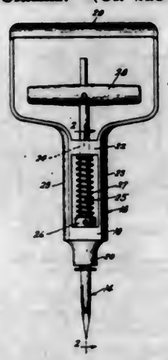
2,205,771
FRONT FASTENING MEANS FOR CORSETS
Irving R. Versoy, New Haven, Conn., assignor to The Berger Brothers Company, New Haven, Conn., a corporation of Connecticut
Application February 28, 1939, Serial No. 258,969
2 Claims. (Cl. 2—38)

1. In a fastening means for a corset having sections with edges designed to be secured in abutting relation, a series of headed studs individually secured adjacent the edge of one section to project from the surface thereof, and a series of cooperating members individually secured in spaced relation to the proximate edge of the other section whereby the garment sections may flex therebetween, each of said members comprising a base portion and a loop portion, said base portion having eyes by which it may be secured between the plies of the section to which it is attached, with the loop portion project-



ing therefrom to engage the corresponding stud and seat it adjacent the end of the loop, said base portion lying in a plane making an obtuse angle with the plane of the stud seating part of the loop portion whereby, when the loop embraces the stud and the base portion lies in the plane of the garment, said loop portion is directed toward the surface of the section carrying the stud with the tip of the loop biting into the fabric around the stud.

2,205,772
RIVET SETTING DEVICE
Joseph W. Bowersox, Kansas City, Mo.
Application January 22, 1937, Serial No. 121,740
8 Claims. (Cl. 218—19)

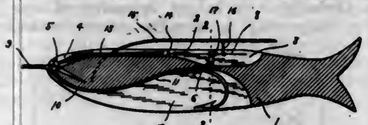


1. A rivet setting device comprising, in combination, an elongated body having a handle on one end and an end wall on the other end with an abutment face, an operating plunger slidable longitudinally in said body and having a collar at one end engageable with said wall, a guide wall in said body for said plunger, an awl having a pointed free end and having a stem slidable through said end wall and removably secured to said plunger, the base of said pointed end being larger in lateral dimension than said stem so as to present a shoulder in spaced opposed relation to said face, spring means between said collar and guide wall for urging said awl into projected position, and a handle operatively connected to said plunger and adapted to be grasped with said first mentioned handle by the hand of the operator while pressing against said first mentioned handle, to retract said awl.

2,205,773
FISH LURE
Leo J. Fox, Keewatin, Minn.
Application April 6, 1939, Serial No. 266,352
4 Claims. (Cl. 43—35)

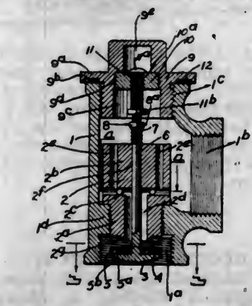
1. In a fish lure, a main body portion having

head and tail members, a bifurcated holding line having one portion threaded through the nose of said head and extending rearwardly along the back of said body and releasably so held, the other bifurcated portion of said holding line ter-



minating in a catching hook, means for releasably holding said hook within said body portion, and trigger means upon the back of said body for release to a predetermined extent only of said threaded portion of said holding line.

2,205,774
VALVE
Otto B. Goldkamp, San Diego, Calif., assignor of one-half to San Diego Consolidated Gas and Electric Company, San Diego, Calif., a corporation of California
Application May 31, 1938, Serial No. 210,912
2 Claims. (Cl. 251—137)



1. In a meter shutoff valve of the class described, the combination of a valve casing provided with three internally threaded openings therein, one opening an inlet opening at one end, another an outlet opening at one side and the other a plug receiving opening in axial alignment with the axial alignment of the inlet opening, a valve reciprocally mounted in the inlet opening provided with a stem extending toward the plug opening, a spring on said stem tending to close said valve, a hollow plug mounted in the plug opening, a second plug mounted in said hollow plug and an adjusting screw shiftably mounted in said second plug provided with a screw driver receiving slot in its inwardly extending end.

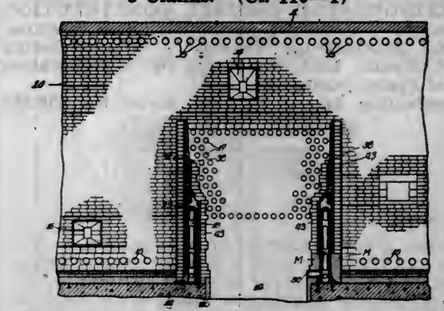
2,205,775
INDICATING DEVICE
John Hencz, Chicago, Ill.
Application June 21, 1937, Serial No. 149,358
4 Claims. (Cl. 177—311)

1. A device for indicating the correct bite of a patient, comprising an adjustable frame member adapted to be rigidly positioned upon the patient's head, head engaging pad means adjustably mounted upon said frame member, a second and third frame member mounted upon said first frame member for pivotal movement relative thereto, means for adjusting said second and third frame members relative to said first frame member, a pair of indicating devices mounted upon and depending from each of said second and third frame members respectively, adjacent the forward part thereof, and means associated with each of said indicating devices for operating the same,



said means being so positioned as to be actuated by the upper, fan-shaped portion of a temporal muscle as it contracts when the patient bites.

2,205,776
STILL CONSTRUCTION
Louis H. Hosbein, Glencoe, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a corporation of Delaware
Application August 13, 1936, Serial No. 95,863
3 Claims. (Cl. 110—1)

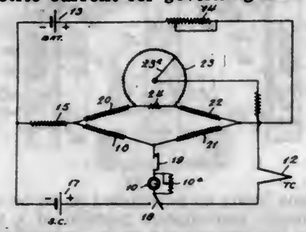


1. In a furnace having a combustion chamber, a wall located in said chamber and comprising standards arranged in a row and having tile-engaging members at opposite sides, and refractory tiles arranged in courses disposed one upon another at opposite sides of said standards to form tight facings along respective sides of the row of standards, juxtaposed tiles in respective courses having intermeshing engagement with one another, the standards being spaced from one another by a distance greater than the width of the respective tiles and some of the tiles on the respective sides of the standards having anchoring engagement with said tile-engaging members to hold the facings against displacement horizontally.

2,205,777
PHOTOELECTRIC INDICATING CONTROLLER
Charles O. Fairchild, St. Albans, N. Y., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a corporation of New York
Application February 10, 1937, Serial No. 125,135
32 Claims. (Cl. 250—41.5)

1. In a controller for a variable, the combination of a light source, focusing means for defining a stationary light beam shining therefrom, means moving in correspondence with said variable and including a mirror arranged in the path of said stationary light beam, a photoresponsive element arranged to be illuminated by a light

beam reflected from said mirror and having the edge of said element contacting said reflected beam at predetermined values of said variable and having an electric output current dependent upon the position of said reflected beam relative to said edge, and relay mechanism responsive to said electric current for governing said variable,



said mirror being provided with a mirror stop device to limit the movement thereof and means operatively associated with said stop device for overcoming any tendency of the mirror to stick to said stop device, said last named means being adapted and arranged to be substantially without effect on the position of said mirror when the latter is away from said stop device.

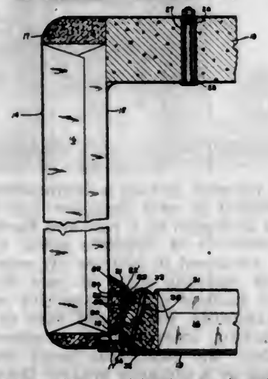
2,205,778

REFRIGERATOR CABINET CONSTRUCTION

Gregg F. Forsthoefel, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 26, 1932, Serial No. 630,589

15 Claims. (Cl. 220—9)



15. A refrigerating cabinet construction comprising an inner wall member, an outer wall member, and a third connecting wall member extending between the inner and outer wall members formed of a material of low heat conductivity with respect to said inner and outer wall members and embodying metallic edge means of thin sheet material bent to form a groove in which the opposed surfaces of one of said wall members is received to retain said third connecting wall member in position.

2,205,779

REFRIGERATOR CABINET CONSTRUCTION

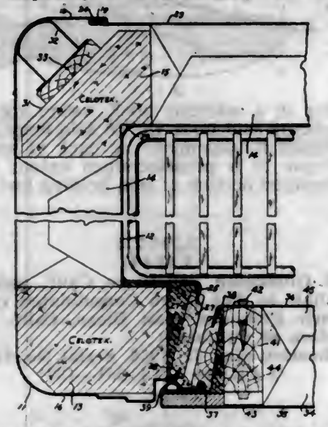
Gregg F. Forsthoefel, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 19, 1933, Serial No. 652,563

Renewed August 23, 1935

16 Claims. (Cl. 220—9)

12. The method of manufacturing a refrigerator cabinet which comprises forming an outer casing embodying front and side walls and having a door opening in the front wall, said casing having another opening therein, inserting an inner casing composed of side, top, bottom, and rear walls through the latter opening of the outer casing, disposing a breaker strip between the



edge portions of the openings of the inner and outer casings adjacent said door opening, disposing relatively rigid heat insulation adjacent the rear wall of the inner casing and forcing the inner casing toward the front of the outer casing to clamp the breaker strip between the inner and outer casings through the wedging action of said heat insulation.

2,205,780

CABINET CONSTRUCTION

Gregg F. Forsthoefel, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 29, 1936, Serial No. 103,074

2 Claims. (Cl. 220—9)



1. In a refrigerator cabinet construction embodying a cabinet having a substantially rectangular access opening therein and a door for closing the access opening, the combination of spaced inner and outer shells having opposed flanges with spaced-apart edge portions surrounding the access opening, the flange of the inner shell defining the boundaries of the access opening, the flanges on any one side of said opening lying in substantially a common plane, a breaker strip of non-hygroscopic heat-insulating material bridging the space between the shells and overlapping the outer surface of the flange of at least one of the shells, means extending between said shells for preventing separation thereof, means extending substantially around the periphery of said rectangular access opening for securing said breaker strip to the flange of said one shell and including a connecting strip of metal having one edge bent to engage the breaker strip on both of its opposing surfaces adjacent the edge thereof and having its other edge bent to form a pocket on the inner side thereof for receiving the edge portion of the flange of said one shell, the bends in the edges of the connecting strip extending in substantially opposite directions and the intermediate portion of the connecting strip being substantially flat and lying between the outer face of the flange of said one shell and the breaker strip, and means for securing the other edge of the breaker strip to the other shell in overlapping relation with a portion thereof.

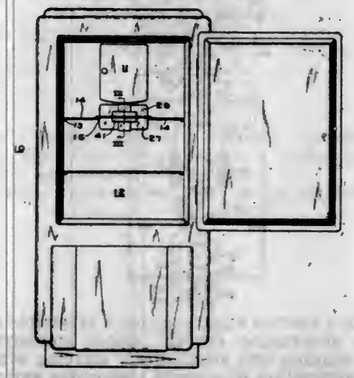
2,205,781

FOOD CONTAINER

Vernon E. Vining, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 26, 1938, Serial No. 186,954

10 Claims. (Cl. 62—1)



1. In a refrigerator, the combination of an insulated cabinet, a cooling unit therein, and a food storage container below the cooling unit, said container comprising a pan and a cover therefor, an imperforate flange on the edge portion of the pan, said flange comprising shoulder portions and upturned edge portions, said cover being adapted to rest on the shoulder portions and within the upturned edge portion of the flange, the cover having a depressed portion, said food storage container being adapted to store a portion of the moisture which may drip from the cooling unit in the depressed portion of the cover, the excess moisture draining over the edges of the cover to the flange on the pan and thereupon into the pan.

2,205,782

AIR DISTRIBUTOR

Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.

Original application August 30, 1935, Serial No. 38,547, now Patent No. 2,149,382, dated March 7, 1939. Divided and this application November 17, 1938, Serial No. 240,993

1 Claim. (Cl. 98—13)

Air distributing means for a passenger vehicle for use with an air conditioning unit extending substantially completely crosswise the interior of said vehicle from one longitudinal side to the other longitudinal side thereof and above the passenger space, comprising means forming a discharge outlet opening extending substantially completely crosswise said vehicle in one end of said unit, a plurality of deflectors in said outlet and extending completely crosswise same for deflecting the air from said unit upwardly, a lower substantially horizontal deflector, and a lowermost deflector extending substantially completely crosswise said outlet and inclined sharply downwardly, the space between said horizontal deflector and said lowermost deflector being closed so that no air can be projected therethrough.



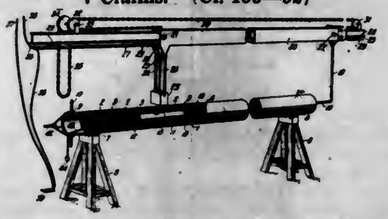
2,205,783

METHOD AND APPARATUS FOR STRAIGHTENING HOUSINGS

Armais Arutunoff, Bartlesville, Okla., assignor to Reda Pump Company, Bartlesville, Okla., a corporation of Delaware

Application October 21, 1937, Serial No. 170,241

7 Claims. (Cl. 153—52)



1. A method of straightening a bowed tubular metal housing having a wall including the step of peening the metal of the wall in the vicinity of the concave side of the housing to elongate the metal of the wall of the housing sufficiently to straighten said housing.

5. In an apparatus for straightening tubular housings, a gauge assembly comprising an elongated member, a pair of flanges adjacent the ends of said elongated member, a finger gauge carried by said member intermediate said flanges, said finger gauge having a finger adapted to contact the bore of a housing, means for positioning said gauge within said housing bore, means for causing relative rotation between said gauge and said housing, and means for peening the exterior of said housing.

2,205,784

METHOD AND APPARATUS FOR STRAIGHTENING HOUSINGS

Armais Arutunoff, Bartlesville, Okla., assignor to Reda Pump Company, Bartlesville, Okla., a corporation of Delaware

Application November 4, 1937, Serial No. 172,758

4 Claims. (Cl. 153—52)



1. A method of straightening a bowed metal tubular housing including the steps of position-

ing an anvil within said housing and peening the metal only upon the concave side of the housing and upon said anvil to elongate the metal of the housing sufficiently to straighten the housing.

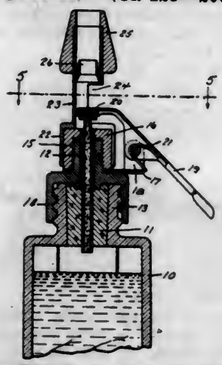
4. In an apparatus for straightening tubular housings, an anvil adapted to be positioned within said housing, means for expanding said anvil, means for rotating said housing, a gauging rod, means for universally supporting said rod at a point intermediate the ends thereof, means for positioning one end of said rod within said housing at the axes thereof in the vicinity of said anvil, a gauge positioned without said housing for determining the amplitude of motion of the other end of said rod, and means for peening the exterior of said housing.

2,205,785

DISPENSING DEVICE

James J. Benner, Maple Heights, Ohio, assignor to The Gebauer Chemical Company, Cleveland, Ohio, a corporation of Ohio

Application May 12, 1937, Serial No. 142,155
3 Claims. (Cl. 128—200)



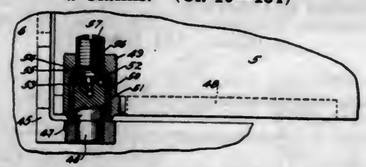
1. A dispensing device for volatile liquids comprising a receptacle including a cap, a nozzle projecting centrally through and beyond said cap, a tubular nozzle extension mounted on said cap coaxial with said nozzle and having an opening in the wall thereof extending beyond the said nozzle, an applicator carried by said nozzle extension beyond said opening, a lever pivotally supported by a portion of said receptacle and having a closure for said nozzle, the portion of the lever and the closure carried thereby being movable through the said opening.

2,205,786

HINGE

Benjamin S. Bernhard, Boston, Mass., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut

Application November 8, 1938, Serial No. 239,426
2 Claims. (Cl. 16—134)



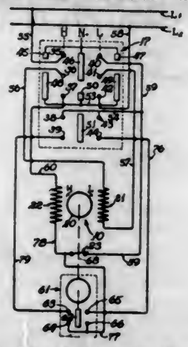
1. In a floor type hinge, two hinge parts, one part being adapted to be seated in the floor, the other being adapted to be carried at the lower edge of a door, each part having an offset boss and each boss having a bore, a pin rigidly mounted in the boss of the lower hinge part, a bearing washer non-rotatably mounted in the bore of the other part but adjustable longitudinally therein, anti-friction devices between the upper end of said pin and the lower side of said bearing washer, and means in the upper end of the boss carried by the door for adjusting the longitudinal position of the bearing washer for the purpose described.

2,205,787

ELECTRIC MOTOR CONTROL APPARATUS

Cornelius Brongersma, Muskegon Heights, Mich., assignor to Manning Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey

Application September 6, 1938, Serial No. 228,512
6 Claims. (Cl. 172—278)



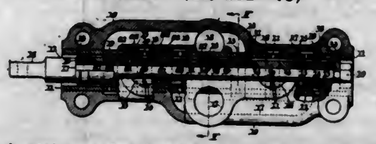
1. In a control apparatus for a reversible single phase alternating current motor embodying a main winding and an auxiliary starting winding, the combination of a speed responsive switch for deenergizing said starting winding when said motor is operating at a speed in excess of a predetermined value, means including a reversing controller for said motor movable from a neutral position alternatively to a forward or reverse position for open-circuiting said motor when in neutral position and for connecting the same to a supply line in respectively reversed senses in its forward or reverse positions, and characterized by the provision of means operable in response to movement of said controller from forward to reverse position or vice versa for completing an energizing circuit for said starting winding which is independent of said speed responsive switch to insure reversal of said motor.

2,205,788

VALVE CONSTRUCTION

Louis A. Camerota, Burlington, N. J., assignor to Florence Pipe Foundry & Machine Company, Florence, N. J., a corporation of New Jersey

Application December 29, 1939, Serial No. 311,506
6 Claims. (Cl. 251—76)



1. A piston valve having a multiplicity of piston heads for cooperating with a ported valve bore to establish or prevent communication between ports spaced apart lengthwise of said bore, according to the lengthwise position of the valve in the bore; said piston valve comprising a peripherally recessed valve body; annular packing around said valve body, forming a piston head thereof, and an associated annular member; and a split annular member around said valve body engaged in the aforesaid annular member and held together thereby in shouldered engagement with the peripherally recessed valve body, whereby the positions of the first-mentioned annular member and of said packing relative to said valve body are determined.

2,205,789

REACTION PRODUCTS OF ORGANIC BASES AND HYDROFLUOSILICIC ACID

Ludwig J. Christmann, Jersey City, and David W. Jayne, Jr., Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 10, 1936, Serial No. 100,108
8 Claims. (Cl. 167—22)

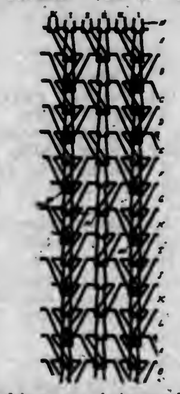
1. An insecticidal composition including a reaction product of hydrofluosilicic acid and a guanidine.

2,205,790

STOCKING

Arthur J. Cobert, Indianapolis, Ind., assignor to Real Silk Hosiery Mills, Inc., Indianapolis, Ind., a corporation of Illinois

Application February 16, 1940, Serial No. 319,217
9 Claims. (Cl. 66—172)



1. In a stocking, an intermediate portion of two-way stretch fabric knit of elastic yarn with wales running longitudinally of the stocking, stitches in one set of alternate wales for a plurality of successive courses being transferred to respectively adjacent wales in repetitions of a pattern four wales in width, the successive stitches in the fourth wale of each pattern being all transferred in one direction to an adjacent wale and the successive stitches in the second wale of each pattern being transferred alternately in opposite directions to the adjacent wales.

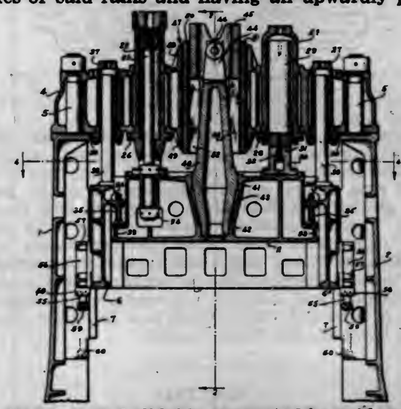
2,205,791

HYDRAULIC PRESS

Richard W. Dinzl, Westfield, N. J., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application April 4, 1938, Serial No. 199,962
8 Claims. (Cl. 113—45)

1. A hydraulic press comprising, in combination, a frame having side columns and an upper cross member connecting the same, a slide disposed between and laterally resisted by oppositely acting vertical guiding surfaces formed on said side columns, a plurality of hydraulic rams and cylinders respectively connected to said slide and to said cross member and constituting the sole power mechanism for effecting the working stroke of said slide, said slide and its connections with the rams constituting the only mechanical means for positively effecting simultaneous movement of both rams, a crosshead guide supported by said cross member and having oppositely acting guiding surfaces which are arranged solely for the purpose of supplementing the lateral resistance of said other guiding surfaces, a tongue rigidly secured to said slide in eccentric relation to the axes of said rams and having an upwardly pro-



jecting free end slidably supported by said crosshead guide, said tongue and crosshead guide being so constructed that they are operative in cooperation with said guiding surfaces on the side columns to resist with substantially equal effectiveness in any lateral direction the whole of an eccentric load occurring anywhere on the slide and that upon occurrence of such eccentric forces the tongue and crosshead are subjected solely to lateral resisting forces, thereby to effect substantially identical movement of the rams and to prevent tilting of the slide regardless of any simultaneous difference in magnitude of the operating or work resisting forces acting simultaneously on the ram and slide.

2,205,792

RECOVERY OF SILVER FROM SPENT PHOTOGRAPHIC SOLUTIONS

Garnet Philip Ham, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 4, 1940, Serial No. 327,783
6 Claims. (Cl. 75—108)

1. A method of recovering silver values from spent photographic solutions which comprises subjecting the spent solution to the action of a soluble salt of an ester of xanthic acid, permitting a precipitate of silver complex to form and removing the precipitate.

2,205,793

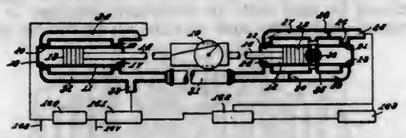
COMPRESSOR

Franklin B. Hunt, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware

Application August 10, 1936, Serial No. 95,083
5 Claims. (Cl. 230—40)

1. A compressor comprising a cylinder, a piston reciprocable in said cylinder, a piston rod

secured to one end only of said piston and projecting through the adjacent end of said cylinder, a first valved inlet port adjacent said end of said cylinder, a first valved outlet port adjacent said end of said cylinder, a second valved inlet port adjacent the opposite end of said cylinder, a second valved outlet port adjacent said opposite end of said cylinder, a first conduit connecting said first inlet port with said second inlet port, a valve in said first conduit preventing fluid flow from said first inlet port toward said second inlet port but permitting fluid flow in the opposite



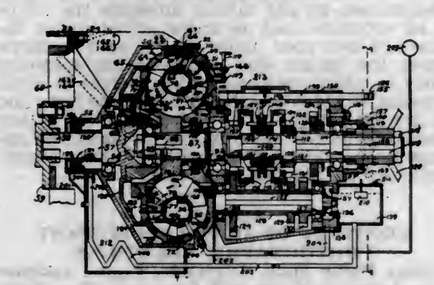
direction, a second conduit connecting said first outlet port with said second outlet port, a valve in said second conduit preventing fluid flow from said first outlet port to said second outlet port but permitting fluid flow in the opposite direction, a third conduit communicating with said first conduit between said first inlet port and said valve in said first conduit and communicating with said second conduit between said second outlet port and said valve in said second conduit, and a valve controlling fluid flow in either direction through said third conduit.

2,205,794

TURBINE TORQUE CONVERTER AND CLUTCH

Joseph Jandasek, Cicero, Ill.

Application February 23, 1935, Serial No. 7,896
8 Claims. (Cl. 60—54)



1. A fluid power transmission comprising a passage for circulating fluid, driving vanes, driven vanes and auxiliary guide vanes, the passage being formed by the driving, driven and the guide vanes, said vanes having auxiliary fluid directing blades, said blades being positioned at the entrance of the vanes and spaced so as to rectify the fluid flow at the entrance of the vanes and having a ratio h/p greater than .5 to guide the fluid flow parallel with the vanes to prevent turbulence between the vanes, where "h" represents the height of the blades in the direction of flow and "p" equals the pitch of blades.

6. A fluid power transmission comprising a passage for circulating fluid, a driving wheel, a driven wheel and a rotatable guide wheel, the passage being formed by said wheels, means to couple the guide wheel to the driving wheel automatically under the control of the speed of the guide wheel.

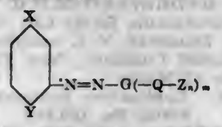
2,205,795

STABLE ICE COLOR PRODUCING COMPOSITION

Hans Z. Lecher, Plainfield, Frederic H. Adams, Somerville, and Henry Philip Orem, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 23, 1939, Serial No. 310,818
10 Claims. (Cl. 8—45)

1. A color producing composition of matter which comprises an ice color coupling component and a stabilized diazo compound having the following general formula:



in X and Y are radicals included in the group consisting of alkyl, alkoxy, aryloxy, nitro, halogen and CF_3 radicals, G is a guanidyl radical free from substituents capable of azoic coupling, Q is a radical incapable of azoic coupling and included in the group consisting of aromatic, aromatic-aliphatic, aliphatic and alicyclic radicals, Z is a member of the group consisting of carboxylic acid radicals, sulfonic acid radicals and their alkali metal and ammonium salts, and n is a whole number included in the group consisting of 1, 2 and 3 and m is a whole number included in the group consisting of 1 and 2.

2,205,796

STABLE ICE COLOR PRODUCING COMPOSITION

Hans Z. Lecher, Plainfield, Frederic H. Adams, Somerville, and Henry Philip Orem, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 23, 1939, Serial No. 310,822
10 Claims. (Cl. 8—45)

1. A color producing composition of matter which comprises an ice color coupling component and a stabilized diazo compound having the following general formula:

$$X—(N{=}N—G)_n$$

in which X is a radical of a polynuclear ice color diazo component, G is a radical included in the group consisting of cyclic guanidyl sulfonic acid radicals free from carboxylic groups and free from azoic coupling groups, and their alkali metal and ammonium salts and n is a whole number included in the group consisting of 1 and 2.

2,205,797

VEHICLE BODY STRUCTURE AND METHOD OF ASSEMBLY

Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 3, 1935, Serial No. 34,555
Renewed November 15, 1937
6 Claims. (Cl. 296—137)

1. In a vehicle body, an assembly of roof structure and a box-section header suitable for use along the upper margin of the substantially vertical body wall, which assembly comprises a flange associated with and extending laterally

and outwardly beyond the outer wall of said box section header, said flange having at its outer edge an upstanding flange constituting the outer side wall of a drip channel, and a rigid roof panel having at its marginal edge an outwardly



extending flange, said roof having its main body spaced from said header and only its marginal flange brought down and secured to the upper surface of said outwardly extending flange of said header.

2,205,798

BUILDING COVERING MATERIAL

Lee H. Mattes, South Bend, Ind., assignor to Mastic Asphalt Corporation, South Bend, Ind., a corporation of Indiana

Application November 1, 1939, Serial No. 302,272
7 Claims. (Cl. 20—5)



1. A building covering comprising a plurality of rigid panels of building covering material adapted to be arranged in abutting coplanar relation and surfaced with particles of one color at a plurality of spaced masonry-face-simulating areas thereof and with particles of another color at mortar-joint-simulating areas thereof between said face-simulating areas, each of said panels having a mortar joint simulation at the upper and one vertical edge thereof, masonry face simulations extending to the other two panel edges, the majority of said masonry-face-simulating areas having a marginal line of a third color and sharply different from said particles at one edge thereof, said line being at the same location relative to each of said faces and being of approximately the same width and appearance as the crevice between panels, the faces adjacent said panel edges being covered by particles to the panel edges at least one margin of each masonry-face-simulating area being directly outlined by the adjacent mortar-joint-simulating area.

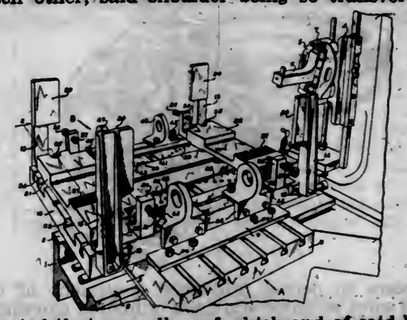
2,205,799

MACHINE TOOL FIXTURE

James F. McMenamin, Philadelphia, Pa.

Application November 24, 1937, Serial No. 176,302
10 Claims. (Cl. 77—62)

1. Apparatus for machining opposite ends of a work piece comprising, in combination, a machine tool having a frame and a spindle at one end thereof, a fixture having a base supported by said frame, means for holding a work piece on said base with one end thereof adjacent said spindle, a longitudinally extending position stop shoulder on said frame for engaging with abutting contact either longitudinal edge of said base, and means whereby said fixture base and a workpiece thereon may be bodily turned through 180° to bring the other end of said base adjacent said spindle and to bring said base and shoulder into transverse abutting engagement with each other, said shoulder being so transversely



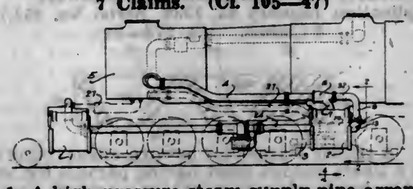
located that regardless of which end of said base is adjacent said spindle the longitudinal center line of said base has a single predetermined relation to the spindle axis.

2,205,800

STEAM PIPE ARRANGEMENT FOR LOCOMOTIVES

Lawrence L. Neebe, Woodbury, N. J.

Application March 29, 1939, Serial No. 264,865
7 Claims. (Cl. 105—47)



1. A high-pressure steam supply pipe arrangement for articulated locomotives having a rear cylinder structure with a pair of cylinders to which steam is supplied respectively through longitudinal pipes located along the sides of the locomotive and terminating in connections rigidly secured to said rear cylinders, and a forward pair of cylinders to which steam is supplied through a longitudinal pipe extending forwardly from the rear cylinder structure comprising, in combination, a lateral cross-over pipe rigidly connected at its ends to said rear cylinder connections for said longitudinal side pipes, said cross-over pipe curving inwardly and downwardly toward the centerline of the locomotive so as to have lateral flexibility during expansion and contraction thereof, a central pipe connected to said forwardly extending stem supply pipe and to said cross-over pipe at an intermediate portion thereof, and means for rigidly connecting only the forward end of said central pipe to the rear cylinder structure whereby said central pipe may expand freely rearwardly.

2,205,801

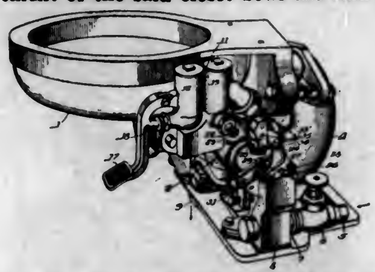
FLUSH VALVE OPERATOR

Thomas P. Newman, Geneva, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application October 27, 1939, Serial No. 301,557
4 Claims. (Cl. 4—10)

1. In combination, a foldable type closet bowl, a flush valve therefor, means for actuating the said flush valve upon unfolding movement of the said bowl, the said means comprising a tiltable valve actuator, tripping means for the said actuator, the said tripping means including an arm fixedly mounted upon a stationary base, a pawl rotatably secured to the end of the said arm in

the path of the said actuator, the said pawl providing indexing means, whereby upon folding movement of the said closet bowl the said pawl



releases to permit untripped movement of the said valve actuator and upon unfolding movement of the said closet bowl the said pawl is indexed to trip the said valve actuator.

2,205,802

PIT MAT FOR BOWLING ALLEYS

Herman B. Scheidemantel, Muskegon, and Harold J. Luth, Muskegon Heights, Mich., assignors to The Brunswick - Balke - Collender Company, Chicago, Ill., a corporation of Delaware

Application January 25, 1939, Serial No. 252,724

3 Claims. (Cl. 273—54)



1. A rubber pit mat for bowling alleys comprising a single molded sheet having parallel top and bottom surfaces, a plurality of openings therethrough arranged in parallel rows and provided with inclined side walls converging toward the bottom of the mat and recesses extending upwardly from the bottom of the mat into the portions thereof between said openings.

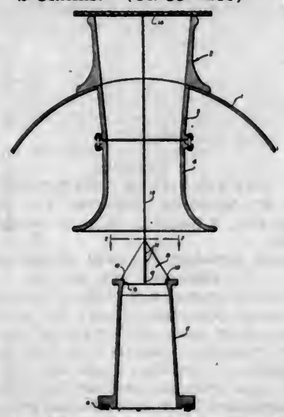
2,205,803

APPARATUS FOR DETERMINING ALIGNMENT OF LOCOMOTIVE SMOKESTACK AND EXHAUST PIPE

John Uhrin, Philadelphia, Pa.

Application June 28, 1938, Serial No. 216,315

2 Claims. (Cl. 33—180)



1. Apparatus for determining the alignment of a locomotive exhaust pipe and smokestack comprising, in combination, a template having means for supporting and centering the same upon the upper end of an exhaust pipe, a line located on said template so as to be coaxial of said exhaust pipe when placed thereon, an indicating element secured to the lower portion of said template at a point which is in alignment with said line, and means for supporting the upper end of said element in the center of the smokestack, whereby when said exhaust pipe and smokestack are in alignment with each other said indicating element is in alignment with the entire length of the line on said template.

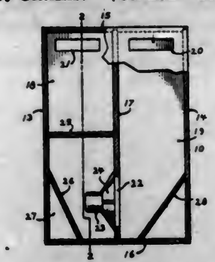
2,205,804

TONE MODIFIER DEVICE FOR ELECTRICAL MUSICAL INSTRUMENTS

Alvin Winston Wells, Chicago, Ill., assignor of one-half to Jewell W. Wells, Decatur, Ill.

Application August 16, 1938, Serial No. 225,101

10 Claims. (Cl. 181—31)



1. A tone modifier device for electronic musical instruments including in combination a pair of spaced closed members, said members being separated to provide tone chambers, each of said chambers having a lateral opening adjacent one end thereof for communicating the same with the atmosphere, said chambers being completely closed from the atmosphere except through the lateral openings, means communicating the chambers with each other adjacent the ends thereof opposite to the lateral openings, said communicating means constituting a single air passage extending transversely between the chambers, and a loud speaker in one of the chambers adjacent said communicating means for delivering sound waves to said chambers, said loud speaker being spaced from the lateral openings to provide relatively long paths in said chambers for the sound waves in front and to the rear of the loud speaker so that the sound waves are reflected back and forth against the walls of the chambers before they emerge to the atmosphere through the lateral openings, the multiple diffusion of the sound waves in the chambers distinctly modifying the tone characteristics of the sounds reproduced by the loud speaker.

2,205,805

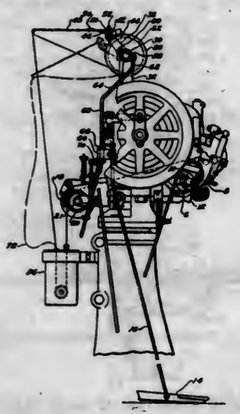
SEWING MACHINE

Carl F. Whitaker, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application May 10, 1939, Serial No. 272,771

8 Claims. (Cl. 112—59)

1. A sewing machine having, in combination, stitch-forming devices, control means for starting and stopping the machine, means for rotatably supporting a wound mass of thread employed by the stitch-forming devices, a yielding arm for holding aside a bend of thread between the thread mass and the stitch-forming devices, and



means actuated by the control means upon stopping the machine to cause the yielding arm to give up thread from the bend.

2,205,806

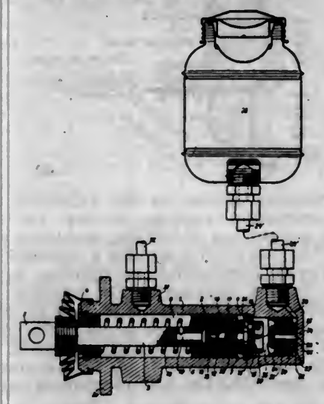
PRESSURE DEVICE FOR HYDRAULIC BRAKES

Jiří Bělenkij, Olomouc, Czechoslovakia

Application June 15, 1938, Serial No. 213,938

In Czechoslovakia February 9, 1938

12 Claims. (Cl. 60—54.6)



1. In a pressure device for hydraulic brakes of motor vehicles a master pressure cylinder, a differential working piston in the cylinder and forming therewith an annular chamber and a full-surfaced chamber at opposite sides of the piston, pressure piping connected to the annular chamber of the cylinder, a pressure valve in a passage between said chambers and opening towards the annular chamber, means for connecting the annular chamber and the full-surface chamber of the master cylinder in the rest position of the piston, an auxiliary piston disposed in a cylinder chamber between the differential piston and a fluid supply, a pressure spring loading the auxiliary piston towards the working piston, a stop for the two pistons between them and a spring loaded suction valve located in the auxiliary piston and opened by the suction stroke of the working piston.

2,205,807

PLANT GROWTH STIMULANT

Johan Bjorksten, Chicago, Ill.

No Drawing. Application December 18, 1939, Serial No. 309,919

19 Claims. (Cl. 47—58)

1. A composition of matter comprising 2-methyl-5-ethoxy-methyl-6-amino-pyrimidine, 4-methyl - 5 - beta-hydroxy-ethyl-thiazole in substantially equimolecular proportions, and biotin and additionally comprising a substance of the class consisting of acids, and of salts of strong acids with relatively weak alkalies, and of acid salts, in amounts sufficient to bring the acidity of the composition to an acidity below pH 4.5.

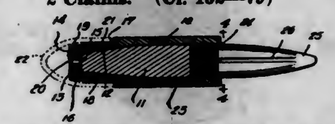
2,205,808

LIPSTICK CONSTRUCTION

George Noel Bolinger, Shelbyville, Ill., assignor to Sta-Rite Ginnie Lou, Inc., a corporation of Delaware

Application December 7, 1938, Serial No. 244,485

2 Claims. (Cl. 132—79)



1. A lipstick construction comprising an elongated body portion adapted to contain semi-liquid rouge, said body portion being provided with a restricted substantially tubular axial extension having a head at the free end thereof provided with a restricted axial opening therethrough, a plunger movable in said body portion to force said rouge through said restricted opening, a piece of chamois skin arranged over the free end of said restricted portion having an opening therein in registration with and larger than said restricted opening, and means for detachably securing said chamois skin in position.

2,205,809

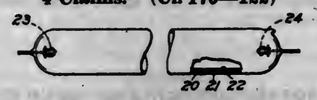
ELECTRIC LAMP

Robert L. Breadner, John T. Randall, and John Walter Ryde, Middlesex, England, assignors to General Electric Company, a corporation of New York

Application July 23, 1937, Serial No. 155,304

In Great Britain July 23, 1936

4 Claims. (Cl. 176—122)

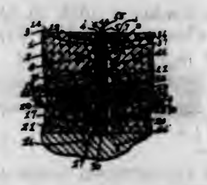


1. A gaseous electric discharge lamp device comprising a container, electrodes sealed therein, a gaseous atmosphere therein comprising mercury vapor, a coating of heat sensitive luminescent material on the inner surface of said container, said material being deleteriously affected by the discharge during the operation of said device, and a glass sheath interposed between said luminescent material and the discharge path between said electrodes to protect said material from the effects of said discharge during the operation of said device and to thus decrease the rate of depreciation of said lamp device, said sheath being supported by said coating and being so thin that it is highly transparent to the radiation from said discharge which excites the luminescence in said material so that the initial efficiency of the lamp is substantially unaltered

by the presence of said sheath, said sheath consisting of a low melting point glass having the following composition:

	Per cent
Silica (SiO_2)	65
Potassium oxide (K_2O)	16
Calcium oxide (CaO)	5
Magnesium oxide (MgO)	2
Boric oxide (B_2O)	2
Barium oxide (BaO)	2
Sodium oxide (Na_2O)	5
Alumina (Al_2O_3)	3

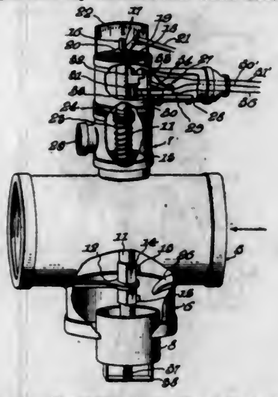
2,205,810
CONSTRUCTION JOINT
John E. Carter, Geneseo, Ill.
Refiled for abandoned application Serial No. 12,876, March 25, 1935. This application September 22, 1937, Serial No. 165,208
1 Claim. (Cl. 94—18)



In a structure of the class described, the combination of a pair of adjacent concrete members having their opposed vertical faces spaced apart, a corrugated strip embedded in each of said faces with the upper edges of the strip spaced below the top of the members, the corrugations forming grooves and ridges horizontally arranged and each strip being corrugated from its top to its bottom, a rubber strip located in the space between said members with its upper edge flush with the top of said members and its lower edge flush with the bottom faces of said concrete members, said rubber strip having flat side faces and normally of a thickness to have its said side faces just contact the crests of the ridges formed by the corrugated sheets and with the upper portions of said side faces contacting those portions of the vertical faces of the concrete members which are above the corrugated strips, means for anchoring an intermediate portion of the rubber strip to the concrete members and the crests of the ridges of one corrugated strip being opposite the grooves of the other corrugated strip.

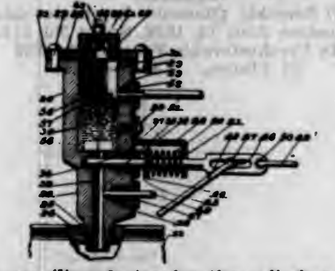
2,205,811
LIQUID CONTROLLED DEVICE
Calhoun Collins, Bakersfield, Calif., assignor of two-fifths to California Pacific Service, Inc., Bakersfield, Calif., a corporation of California, and one-fifth to Theodore M. Ryerson, Bakersfield, Calif.
Application April 12, 1939, Serial No. 267,528
6 Claims. (Cl. 137—111)

1. A device of the class described comprising a liquid conducting casing, a cup in said casing positioned to continuously receive some of the liquid flowing therethrough, means mounting said cup for downward movement under the weight of the liquid, means for moving said cup upwardly when relieved of said weight, said cup having a drain opening of insufficient conducting capacity to drain said cup until the flow of liquid through said casing and into said cup dwindles to a predetermined extent, a valve for controlling the effective size of said drain opening, and means operatively connected with said valve and



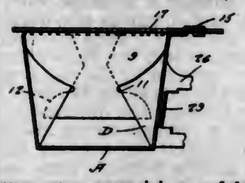
extending to the exterior of said casing for adjusting said valve.

2,205,812
PREOILING SYSTEM
Arnold L. Couty, Marshfield, Oreg.
Application July 9, 1938, Serial No. 218,435
8 Claims. (Cl. 123—196)



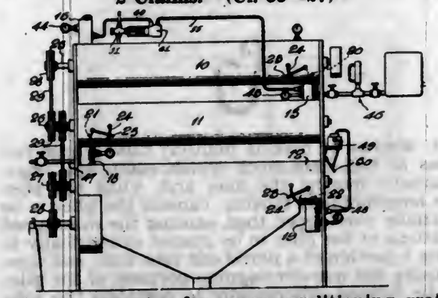
1. A preoiling device for the cylinders of internal combustion engines having an intake manifold, comprising a housing provided with a chamber for lubricating oil and a passage in the bottom thereof connecting the chamber with the manifold, means connecting the chamber with an oil supply, a float valve adapted to be lowered for closing the passage when oil has been emptied from the chamber, a manually operated valve controlling the admission of oil to the manifold, means for operating the last-mentioned valve.

2,205,813
SPUTUM CUP
Frank V. Cudemo, New Brunswick, N. J.
Application January 4, 1939, Serial No. 249,321
4 Claims. (Cl. 4—274)



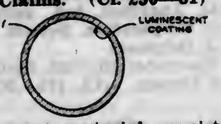
1. A sputum cup comprising a foldable blank to provide integrally connected bottom and upstanding walls defining a cup fully open to permit free use thereof, a cover for said cup and having spaced slots, an extension integral with one of the upstanding walls and provided with folds to permit lacing thereof through said slots and includes oppositely extending tongues projecting beyond the ends of one of the slots.

2,205,814
APPARATUS FOR VAPOR-CONDITIONING WHEAT
Thomas E. Forster, Jr., Wichita, Kans.
Application March 25, 1938, Serial No. 198,144
2 Claims. (Cl. 83—27)



1. An apparatus for vapor-conditioning grain, comprising a closed grain-receiving chamber through which the grain passes, said chamber having a grain inlet and a grain outlet, steam inlet means for said chamber, and differential regulating means for said steam inlet means, said differential regulating means having two thermostatic controlling elements jointly operable to control said differential regulating means, one of said thermostatic controlling elements being subjected to the temperature of the grain entering said chamber, the other of said thermostatic controlling elements being subjected to the temperature of the grain leaving said chamber, said differential regulating means being jointly controlled by said thermostatic controlling elements to admit steam in required quantity to so heat the grain as to insure the desired absorption of moisture.

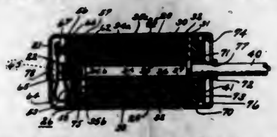
2,205,815
LUMINESCENT COMPOUND AND METHOD OF MAKING THE SAME
Ted E. Foulke, Nutley, N. J., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application April 9, 1936, Serial No. 73,533
3 Claims. (Cl. 250—81)



1. A luminescent material consisting principally of cadmium oxide and silica in substantially the proportions required to produce $CdSi_2O_5$ together with a small quantity of a metal which serves as a luminescence exciting agent and a small percentage of a potassium compound.

2,205,816
CONDENSER ASSEMBLY
Herman L. Hartzell, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 15, 1937, Serial No. 174,521
7 Claims. (Cl. 175—41)

1. A condenser assembly for an ignition system comprising in combination; a metallic case; a condenser body comprising foils and insulating strips; a conductor electrically connected to one of the foils; a support provided with a fixed contact; means for connecting the other foil with the fixed contact; a thermostatic strip anchored to



the support and arranged to flex in response to temperature changes; a contact carried by the free end of the strip and normally held out of engagement with the fixed contact; and means for connecting the strip with the case so that the second mentioned foil will be grounded upon closure of the contacts.

2,205,817
SHOE RACK
Charles H. Kramb, Coldwater, N. Y.
Application January 27, 1939, Serial No. 253,177
1 Claim. (Cl. 24—259)



A resilient clip for use on a vertical support and including a curved body outwardly convexed on its inner side, and outwardly concaved on its outer side, the body being provided at its upper end with an enlarged eye, merging into a straight depending tongue, extended downwardly along the body in spaced relation thereto, and cooperating therewith to form an article grip, the tongue terminating at its lower end in an outwardly curved anti-puncturing stop bearing against the body to define an entering throat, the lower end of the body extending downwardly below the stop, and means for securing the lower end of the body to a support, the curvature of the body being such that when it is secured to a support, as aforesaid, the clip will define an upwardly-opening acute angle with respect to a support.

2,205,818
DISPLAY SIGN
Asher Lane, Jr., Topeka, Kans.
Application October 31, 1939, Serial No. 302,212
2 Claims. (Cl. 40—125)

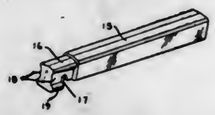
1. A changeable sign including a backing plate having inturned flanges on the lower edge and vertical side edges to form guide grooves for a sign plate or the like, and a channel-shaped cover for the upper end of the backing plate forming a groove continuous with the aforesaid grooves

and operative for retaining the sign plate or the like in position, and a vertically slidable hinge connection between the backing plate and the rear edge of said cover, the hinge connection in-



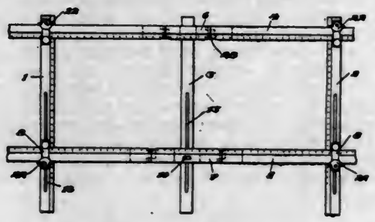
cluding a hinge pin carried by the cover and angle strips with vertical slots therein carried by the backing plate with the hinge pin translatable in said slots.

2,205,819
HANDLE FOR COOKING UTENSILS
Deo R. Mattoon, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application October 22, 1937, Serial No. 170,473
2 Claims. (Cl. 16—116)



1. In a handle structure for a cooking utensil, a glass body forming a grip portion, said glass body having in its surface layers a permanent condition of compressive stress sufficiently high to compensate for the tensile stress induced therein in lifting the utensil and its contents.

2,205,820
CURTAIN STRETCHER
Archie F. McBryde, Meadville, Pa.
Application March 21, 1939, Serial No. 263,203
3 Claims. (Cl. 45—24)



1. A folding curtain stretcher comprising horizontal members and vertical members, the horizontal members being formed in sections hinged together, the sections of the horizontal member being hinged adjacent one of the vertical members, and means for mounting said other vertical members on the horizontal members, said mounting means surrounding the horizontal members and being slidable over said hinged connections to a position against said first vertical member to allow folding of the horizontal member sections into parallel relation with said first vertical member.

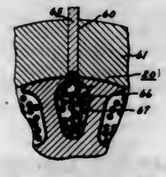
2,205,821
METHOD AND APPARATUS FOR FORMING MULTIPLY TUBING
Charles A. Nichols, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 2, 1938, Serial No. 199,557
18 Claims. (Cl. 113—33)



1. Method of making multiply tubing from two plies of flat strip stock which comprises longitudinally moving the plies and, while the plies are longitudinally moving, causing the plies to be partially overlapped then causing the overlapped portions of the plies to be shaped cylindrically to form a portion of a plural-ply tube wall, and then causing the non-overlapping portions of the plies to be formed cylindrically to complete the tube wall.

11. In apparatus for making multiply tubing, the combination of means for forming longitudinally moving strip stock into multiply tubing; and a swager comprising a rotatable head provided by a tubular shaft through which the tubing passes as it issues from the forming means, radially movable swaging dies carried by the head and engageable with the tubing, a plurality of rollers arranged in a circular row around said head, a stationary cage confining said rollers, radially movable hammers carried by said head and engageable with said rollers to receive blows therefrom delivered by the hammers to the dies, a roller outer-race member mounted for rotation, and means for rotating the tubular shaft and outer-race member in opposite directions and at speeds such that the linear speed at which a hammer strikes a roller equals the linear speed of the roller engaging surface of the outer race, whereby the time of contact of the rotating dies with the longitudinally moving tubing is minimized.

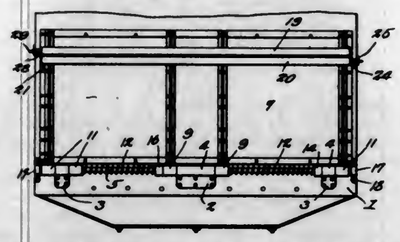
2,205,822
COIL RETAINER
Lora E. Poole, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 10, 1937, Serial No. 173,812
10 Claims. (Cl. 171—206)



1. The combination with an armature having longitudinally extending recesses having throats smaller than the recesses, of coils in the recesses, and retaining plugs, each plug comprising a strip of folded insulating material including a

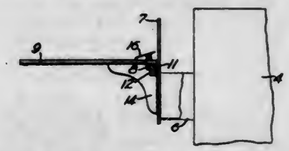
medial portion between two diverging multi-ply folded sections extending the full length of its respective throat and arranged so that the folded sections lie between the coils and the walls of the recess and the medial portion closing the throat whereby the coils are maintained in the recess.

2,205,823
TAILBOARD
John W. Rice, Amarillo, Tex.
Application March 18, 1939, Serial No. 262,736
1 Claim. (Cl. 296—57)



The combination with a vehicle body and a hinged tailboard connected to the bottom thereof for up and down swinging movement to closed and open position respectively, of tubular housings mounted on the outer surface of the tailboard and extending transversely thereof along lines parallel with the axis of movement of the tailboard, flexible elements detachably connected to the respective sides of the body and extending into the respective housings, and resilient means within the respective housings and connected to the respective chains for holding the chains normally retracted into the housings and the tailboard normally closed, said tailboard constituting means for protecting the housings from the contents of the body.

2,205,824
ATTACHMENT FOR FILING CABINETS
Albert E. Shallish, Oakland, Calif.
Application March 14, 1938, Serial No. 195,792
2 Claims. (Cl. 211—86)



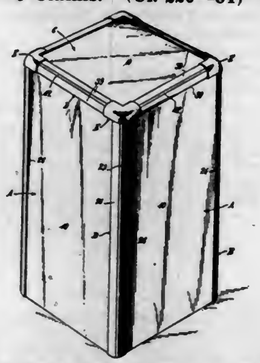
1. The combination, with a drawer having a pull member thereon forming, with the vertical drawer front, a closed loop, of a piece of sheet material to be positioned horizontally with respect to said vertical drawer front and with a rear longitudinal edge thereof in contiguous relation to said drawer front, brackets rigidly secured to and depending from said sheet of material adjacent the opposite side edges thereof, said brackets each having a rear vertical edge thereof disposed in contiguous relation with the surface of said drawer front, and rigid securing means unyieldingly mounted on said sheet of material and entering the loop of said drawer pull member for urging the contiguously related rear edges of said brackets and said sheet of material and said drawer front together upon insertion of said securing means in the loop of said drawer pull member.

2,205,825
CLOSURE FOR CONTAINERS
Riley S. Skinner, Sentinel, Okla.
Application February 20, 1939, Serial No. 257,470
1 Claim. (Cl. 120—68)



The combination with a centrally perforated partial closure for an ink container, said partial closure adapted to close the open end of a container save at the point of perforation, of, a closure for the perforation in said partial closure comprising: a bulbous soft rubber cup-like ink guard slightly larger in diameter than said perforation; an inverted funnel-like metal ink guard projecting into said rubber ink guard, the large end of said metal guard being firmly crimped over the rim of said rubber guard affording a liquid tight connection between the two guards; the end of said rubber guard opposite its rim being cross slotted to form a self closing passage through said end into the container; and a plurality of integral projecting teats on the outer surface of each of the segments formed by the slots in said end, said teats being sufficiently close together to increase the surface tension grasp of any liquid which comes in contact with said surface; said closure adapted to be held securely within said perforation by the expansion of its rubber outer wall after it has been forced through said perforation.

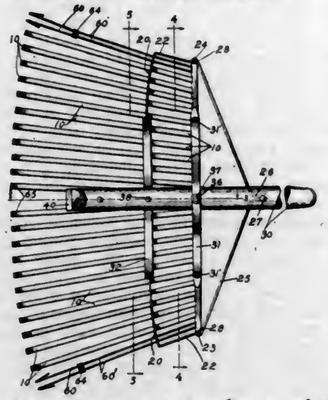
2,205,826
CABINET STRUCTURE
Frederick M. Small, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware
Application October 17, 1936, Serial No. 106,213
6 Claims. (Cl. 220—84)



6. In a cabinet construction of the type described having top and side wall panel units comprising, sheet metal members, flanges forming open ended recesses at marginal edges of said members, a layer of insulating material secured to the body portion of said members, filler strips received in said recesses and bordering the adjacent edges of said layers of insulating material whereby to prevent displacement of said layers of insulating material, and molding devices clamped to the adjacent edges of said units to close the spaces between the units and to hold the units in desired assembled relationship, said

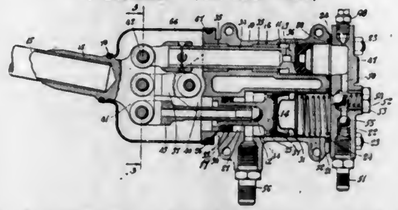
molding devices comprising base strips, the base strips for the top wall panel unit being integral with said top wall panel unit and having portions resting upon the upper adjacent ends of the side wall panel units, cover strips for said base strips and means operable exteriorly of the cabinet and extending through said base and cover strips for detachably connecting said strips.

2,205,827
RAKE
Norman E. Brooke, Washington, D. C.
Application June 15, 1939, Serial No. 279,351
15 Claims. (Cl. 56—400.17)



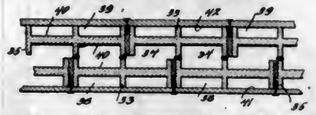
1. A rake comprising a handle, a rake head disposed alongside of the handle, and a spring interconnecting the handle and the rake head.

2,205,828
PUMP FOR LIQUID PRESSURE REMOTE CONTROL SYSTEMS
Francis Victor Brown, London, England, assignor to Automotive Products Company Limited, London, England
Application August 24, 1937, Serial No. 160,700
In Great Britain September 4, 1936
7 Claims. (Cl. 103—168)



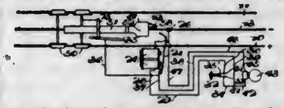
1. A pump for a liquid pressure control system, comprising a body, two cylinders of different diameters, formed in said body, pistons in said cylinders, a space formed in the larger piston, a liquid supply connected to said space, a valve on the larger piston through which liquid is admitted from said space through said piston upon the suction stroke of the latter, yielding means loading said larger piston, a handle, means connecting the pistons to the handle to move the pistons in opposite directions, said means including a positive connection with the smaller piston and a one-way connection with the larger piston, a passage leading from the larger cylinder to the smaller cylinder and a delivery line, means interposed in said passage to prevent the liquid as it leaves the smaller cylinder from being returned to the larger cylinder, whereby said liquid is fed to the delivery line during the suction stroke of the larger piston.

2,205,829
MEANS FOR INSULATING BUILDING AND LIKE STRUCTURES
Joseph L. Finck, Brooklyn, N. Y.
Application November 1, 1937, Serial No. 172,270
1 Claim. (Cl. 72—41)



A wall construction comprising precast ceramic elements, each having a main body and integral flanges extending from said body, said elements being arranged with the flanges of some of the elements abutting edgewise against the flanges of the other elements and forming air spaces therebetween, the body portion of each element bearing a metal coating exposed to said air space.

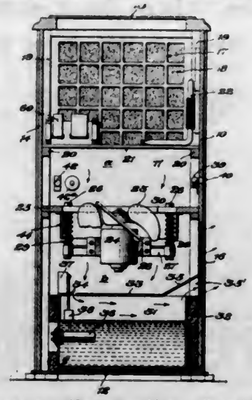
2,205,830
CAR COUPLER
William C. Flannery, Washington, D. C.
Application March 24, 1938, Serial No. 197,948
18 Claims. (Cl. 213—200)



17. In a diminutive railway, a track, a plurality of vehicles to travel upon the track, coupling devices for connecting the vehicles for producing a train, a circuit including a signal element, means controlled by the movement of each vehicle to close the circuit when each vehicle nears a selected uncoupling position whereby signals are produced in succession as the vehicles reach the selected point, and manually operated means to actuate each coupling device when the coupling device reaches the selected uncoupling position to disconnect the adjacent vehicles, the produced signal affording sufficient time for the operator to actuate the manually operated means.

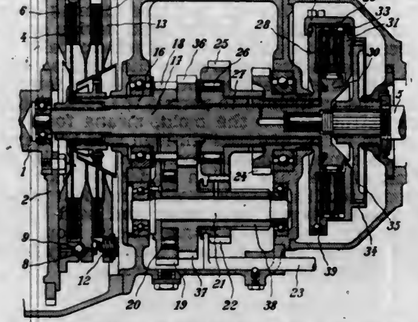
2,205,831
AIR CONDITIONING APPARATUS
Harry Buxton Hartman, Florence, Mass.
Application April 17, 1936, Serial No. 74,987
Renewed March 21, 1940
1 Claim. (Cl. 21—74)

Air conditioning apparatus comprising a casing having air inlet and air outlet means in upper and lower portions thereof, respectively, air filtering and air ozonizing means within the upper portion of the casing, a horizontal partition within the casing below said air filtering and air ozonizing means and above said air outlet means, said partition having a circular opening and a circular sheath depending therefrom in alinement with said opening, a fan suspended from said partition for circulating air through said casing, said fan having blades disposed within said sheath with their outermost edges disposed closely adjacent to said sheath whereby all air passing through the casing is thoroughly intermixed, a water container in the bottom portion of said casing below said sheath, and a cover for said container having an air inlet opening in air receiving relationship to air delivered through said sheath by said fan and also having an air outlet opening leading to a portion of said air



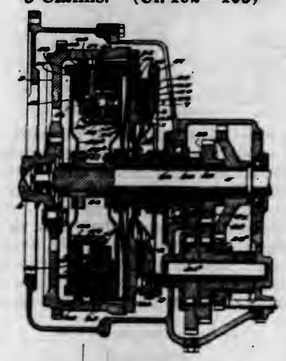
outlet means, another portion of said air outlet means being disposed to permit egress of air from the casing without requiring that the air pass first through said water container.

2,205,832
VARIABLE SPEED TRANSMISSION
Charles Edouard Henriod, Fils, Neuilly-sur-Seine, France
Application June 2, 1937, Serial No. 146,057
In Luxemburg March 17, 1937
8 Claims. (Cl. 74—337)



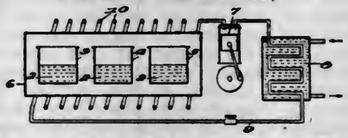
1. A variable speed transmission device which comprises, in combination, a driving shaft, a driven shaft, means for unidirectionally coupling said driven shaft with said driving shaft with a reduction gear ratio, said means including an automatic clutch responsive to speed variations of said driving shaft so as to be in operative engagement only for values of said speed exceeding a predetermined value, means for unidirectionally coupling said driven shaft with said driving shaft with a smaller reduction gear ratio, said last mentioned means including an automatic clutch responsive to speed variations of said driving shaft so as to be in operative engagement only for values of said speed exceeding another and higher predetermined value, means, operative by variations of the difference between the driving torque from said driving shaft and the resisting torque from said driven shaft, for disengaging said second mentioned clutch for values of said difference exceeding a predetermined value, and a third clutch, responsive to speed variations of said driven shaft so as to be in operative engagement only for values of said speed exceeding a third and still higher predetermined value, said third clutch being interposed between said driven shaft, on the one hand, and on the other hand parts of both of said coupling means, including the respective clutches thereof, whereby, according as whether the second clutch is in operative engagement or not, two other higher speeds are obtained.

2,205,833
AUTOMATIC CLUTCH
Charles Edouard Henriod, Fils, Neuilly-sur-Seine, France
Application June 29, 1937, Serial No. 151,020
In Luxemburg February 1, 1937
3 Claims. (Cl. 192—105)



2. A clutch comprising a first rotatable element, and a second rotatable element composed of two parts on opposite sides of said first element, and means to bring said two parts together to clamp the first element therebetween, comprising a centrifugal mass member having portions thereof lying on opposite sides of the two parts of said second rotatable element, the opposed faces of such parts and portions having recesses therein provided with inclined walls, and balls in said recesses, whereby centrifugal force acting on said mass member moves the same to urge said parts together.

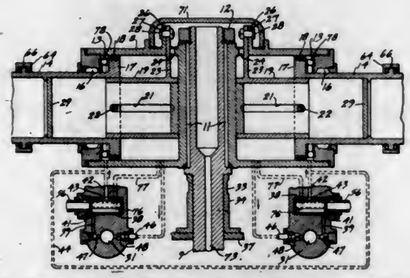
2,205,834
PROCESS OF MANUFACTURING VERMICELLI
Chua Tiong Him, Manila, P. I.
Application May 24, 1939, Serial No. 275,471
2 Claims. (Cl. 99—85)



1. The process of making vermicelli which includes the mixing of one part of extracted white starch and two parts of distilled water in a container, stirring the mixture slowly to prevent the starch from setting until it is thoroughly soaked, adding water at substantially boiling

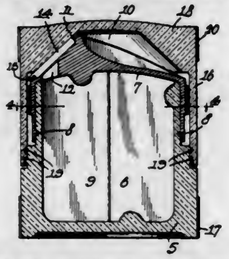
temperature in an amount sufficient to cause the starch to dissolve and form a colloidal solution, subjecting the mass to a freezing temperature until the same has become at least partially solidified and is characterized by the formation of crystals, subjecting the mass to pressure to form a plurality of strings, and cooling and drying the formed vermicelli.

2,205,835
AIRCRAFT PROPELLER
Porter Landrum, Birmingham, Ala.
Application April 22, 1937, Serial No. 138,326
6 Claims. (Cl. 170—163)



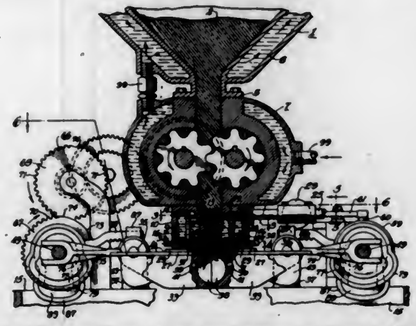
1. In an aircraft propeller, a housing, cylinders formed in said housing, propeller blades having pistons formed on their inner ends and mounted for reciprocation within said cylinders, pump means for supplying liquid to the cylinders to move the propeller blades inwardly, valve means for controlling the flow of liquid to and from the cylinders, and means actuated by the movement of the propeller blades for operating the valve means to bring the propeller blades to rest.

2,205,836
DISPENSING CONTAINER
Anthony S. Parets, Chicago, Ill.
Application February 28, 1939, Serial No. 259,041
1 Claim. (Cl. 221—78)



A dispensing container comprising an outer casing, a vertical partition extending inwardly from the wall thereof and extending throughout the length of the casing, a rotary cover closing the casing, a partition carried by the cover and extending into the casing, the free edges of the partitions contacting, an enlargement formed on the cover and having an end surface thereof inclined with respect to the side of the container, said inclined surface having discharge openings arranged on opposite sides of the partition carried by the cover, whereby various types of material contained in the casing may be pressed between the partitions, according to the direction of rotation of the cover, forcing the material through the discharge openings.

2,205,837
CAPSULE MAKING MACHINE
Edward A. Ravenscroft, Glencoe, and Ferdinand H. Young, Lake Bluff, Ill., assignors to Abbott Laboratories, Chicago, Ill., a corporation of Illinois
Application March 12, 1937, Serial No. 130,534
11 Claims. (Cl. 18—5)



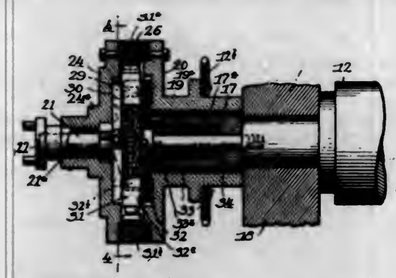
1. The method of manufacturing liquid filled, soft gelatine capsules which consists in extruding a relatively thin-walled tube of gelatine directly into a mold cavity of the same shape as that desired in the finished capsule, said tube having a cross-sectional area which is substantially less than the cross-sectional area of the finished capsule, forcing liquid filling material into said tube under sufficient pressure to cause that portion of said tube which is within said mold cavity to expand and fill said mold cavity, then simultaneously cutting off and sealing the expanded portion of said tube to form a capsule, and finally removing the finished capsule from the mold.

2. In capsule making apparatus of the class described, an orifice mechanism having a tube forming opening at one end thereof, means for forcing gelatine through said tube forming opening to form a tube, a hollow mold having an inlet opening and a mold cavity of substantially the same shape as that desired in the finished capsule, said inlet opening and said tube forming opening being aligned to permit the formed tube to be extruded into the mold, means for forcing liquid filling material through said tube during each capsule making operation, whereby the portion of the tube within said mold cavity is expanded to fill said mold cavity and shear means interposed between said mold and said orifice mechanism, said mold being spaced from said orifice mechanism a distance substantially equal to the thickness of said shear means.

2,205,838
RELEASABLE DRIVING MEANS FOR CONNECTING DRIVING AND DRIVEN MEMBERS
William Russell Redd, Western Springs, Ill., assignor to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware
Application February 11, 1938, Serial No. 190,130
7 Claims. (Cl. 74—125.5)

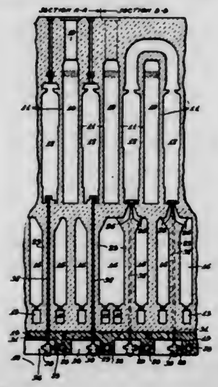
1. A releasable driving means for connecting a housing and a feed roll comprising a gear and a diametrically reciprocable bar associated therewith, said gear having angular radial teeth and said bar having like teeth at each end, one of which is normally engaged in said gear and the other normally disengaged therefrom, a bearing member providing a recess for the reciprocation

of said bar, said bearing member being mounted in said housing, being concentric with said feed roll and being connected to said feed roll, and



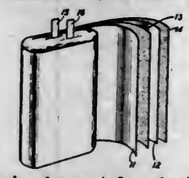
means for reciprocating said bar to cause it to slip a tooth on said gear and permit a momentary lag of said feed roll.

2,205,839
COKING RETORT OVEN
Joseph van Ackeren, Pittsburgh, Pa., assignor to Koppers Company, a corporation of Delaware
Application August 2, 1939, Serial No. 288,015
13 Claims. (Cl. 202—141)



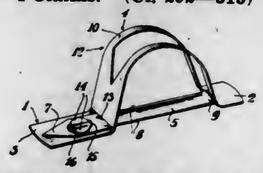
1. Underfiring apparatus for a regeneratively heated coke-oven of the underjet type having a coking chamber and flued heating walls therefor disposed on opposite sides thereof, regenerators therebeneath, a massive supporting structure beneath the regenerators and itself supported above an accessible passageway, and a distributive system for supplying non-regeneratively-preheated fuel gas to the flues of the heating walls comprising a principal conduit having communicably connected therewith a plurality of horizontal subordinate conduits each individual to and in substantial parallelism with an associated heating wall and extending longitudinally beneath the regenerative system, and riser conduits with regulating devices therefor communicably connecting the respective flues of the heating walls with the horizontal subordinate conduits, and in which the subordinate conduit for a heating wall is disposed in contact with the oven supporting mass so that heat will be derived therefrom by the subordinate conduit to overcome substantial tendency toward loss of such heat by a fuel gas flowed therethrough as would cause condensation from gas in the horizontal subordinate conduit.

2,205,840
DIELECTRIC MATERIAL
Addison H. White, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 20, 1937, Serial No. 137,917
9 Claims. (Cl. 154—2.6)



1. A dielectric element for electrical apparatus comprising succinonitrile.

2,205,841
SHACKLE SEAL
Winfred M. Brooks, West Orange, N. J., assignor to E. J. Brooks Company, Newark, N. J., a corporation of New Jersey
Application July 2, 1938, Serial No. 217,211
4 Claims. (Cl. 292—315)



1. A shackle seal comprising: a strip of sheet material having end portions and an intermediate portion, said intermediate portion including a central and longitudinal tongue partially severed from the strip and having one end and its side edges free and its other end unsevered from one end portion of the strip, said intermediate portion further including bridging portions that extend between and connect the two end portions of the strip, said tongue and said bridging portions being, with respect to each other, the former relatively rigid and the latter relatively flexible, said free end of the tongue overlapping the other end portion of said strip and being secured thereto, and said relatively flexible bridging portions constituting a loop.

2,205,842
PASTRY OR DOUGH ROLLING APPARATUS
Helen L. Butman, Portage Township, Kalamazoo County, Mich.
Application August 16, 1939, Serial No. 290,367
6 Claims. (Cl. 107—50)



1. Apparatus for use in the rolling of pastry dough with a rolling pin and board adapted to minimize the amount of flour requisite for this operation, comprising a sheet of parchmentized paper having the surface thereof crinkled throughout the effective area thereof, said sheet being adapted to be wrapped around the rolling pin, and resilient means applied to the cylindrical ends of the thus wrapped sheet to secure

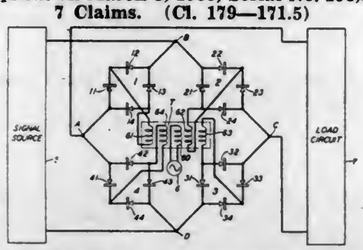
the same about the ends of said rolling pin, said crinkled paper effectively preventing sticking of dough to the surface thereof whereby to minimize the amount of flour required in the rolling operation.

2,205,843

DOUBLE BALANCED MODULATING SYSTEM

Robert S. Caruthers, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 3, 1938, Serial No. 193,637
7 Claims. (Cl. 179—171.5)



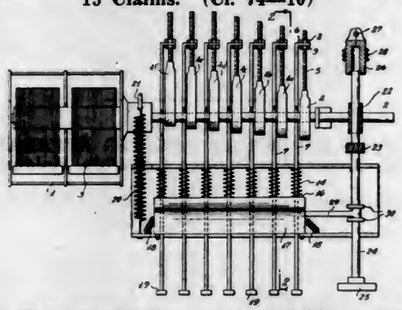
1. A modulating system comprising a plurality of rectifiers, a source of signal waves, a load circuit, a source of carrier waves, four branch circuits for carrier waves each coupled to said carrier source and each branch circuit including at least one of said rectifiers, a pair of carrier equipotential points in each of said branch circuits between which points no material potential difference is developed by waves from said carrier source, and a bridge array having the usual four bridge arms and two bridge diagonals, said bridge arms including said four branch circuits respectively, each connected-in at the said pair of carrier equipotential points, and said source of signal waves and said load circuit being connected respectively in said bridge diagonals.

2,205,844

MECHANICAL PUSH-BUTTON CONTROL

James H. Clements, Detroit, Mich., assignor to James P. Burke, Knoxville, Tenn.

Application November 13, 1937, Serial No. 174,317
15 Claims. (Cl. 74—10)



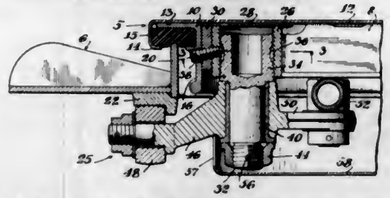
1. The combination of a variable capacity electrical condenser having a control shaft, a plurality of manually operable fingers residing transversely of said shaft at spaced intervals therealong, a flexible connection between said shaft and each of said fingers each operative under tension to rotate said shaft when its finger is actuated in one direction and being substantially inoperative to compel movement in opposite directions, spring return means operative to rotate said shaft in reverse direction, a latch device for retaining each of said fingers in actuated position and means for adjusting the effective length of each of said fingers at the connection thereof with said flexible connection whereby said shaft is rotated through a different angle by each of said fingers.

2,205,845

SHIP DOOR OR HATCH CONSTRUCTION AND ADJUSTABLE RETAINING MEANS THEREFOR

William R. Cochran, Philadelphia, Pa., assignor to Heintz Manufacturing Company, a corporation of Pennsylvania

Application January 10, 1939, Serial No. 250,173
3 Claims. (Cl. 114—117)



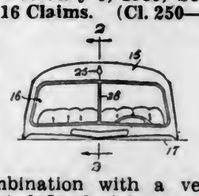
2. A ship door or hatch construction comprising a panel provided with a marginal stiffening member extending inwardly from the face thereof, a second panel spaced from the first panel and cooperating therewith and with said stiffening member to provide a hollow structure, said structure having a plurality of restricted marginal openings, a plurality of dogging members mounted on the interior of said door, one adjacent each of said marginal openings, mechanism operatively connected to said dogging members for actuating the dogging members outwardly through said openings for engagement with a frame, and inwardly through said openings to concealing position between said panels, and means for adjusting said dogging members without removing either panel, comprising a mounting for each dogging member located adjacent its respective marginal opening, and means accessible by a tool through said opening for adjusting the mounting for the dogging member relative to said panels.

2,205,846

RADIO ANTENNA

Joseph F. Courtney, Chicago, Ill.

Application February 9, 1939, Serial No. 255,366
16 Claims. (Cl. 250—33)



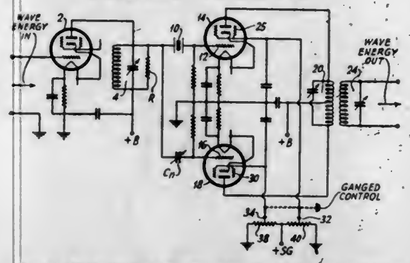
1. In combination with a vehicle having a compartment defined at least in part by a roof portion, a member fixed in said compartment, means providing a main antenna slidably mounted on said fixed member for projection through the roof portion into one signal receiving position, means providing an auxiliary antenna member relatively movable with respect to said main antenna member for projection therebeyond as an extension thereof into a position of maximum effectiveness, and means operable from within said compartment for projecting said main and said extension antenna members respectively into signal receiving position above the roof portion and for retracting them into a position within said compartment.

2,205,847

CRYSTAL FILTER

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 24, 1938, Serial No. 192,196
5 Claims. (Cl. 178—44)



1. In a filtering system, an input reactance on which wave energy to be filtered is impressed, an output reactance from which filtered wave energy is derived, a first path including a piezoelectric crystal and a variable impedance coupling said reactances, a second path including a variable impedance coupling said reactances, and means for differentially varying said impedances to vary the relative amplitudes of the wave energies passed thereby.

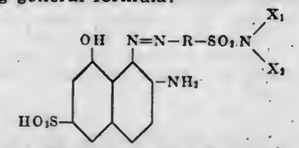
2,205,848

MONOAZO DYESTUFFS SOLUBLE IN WATER

Erich Fischer, Bad Soden in Taunus, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application June 21, 1938, Serial No. 214,935. In Germany June 22, 1937
4 Claims. (Cl. 260—198)

1. The water-soluble monoazo dyestuffs of the following general formula:



wherein R stands for the radical of a diphenyl ether and X_1 and X_2 stand for members of the group consisting of hydrogen, alkyl, cycloalkyl and radicals of the benzene series, which may be connected in a piperidine ring, being red powders which dye wool fast red tints.

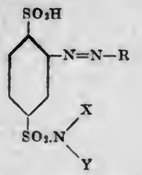
2,205,849

AZO DYESTUFFS SOLUBLE IN WATER

Erich Fischer, Bad Soden in Taunus, and Otto Lang and Arthur Siebert, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application June 21, 1938, Serial No. 214,936. In Germany June 22, 1937
5 Claims. (Cl. 260—163)

1. The water-soluble azo dyestuffs of the following general formula:



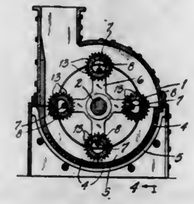
wherein R stands for a radical of the group consisting of pyrazolones, amino-naphthalene sulfonic acids, amino-naphthol sulfonic acids and acylamino-naphthol sulfonic acids, and X and Y stand for members of the group consisting of hydrogen, alkyl, benzyl and radicals of the benzene series, being yellow to red powders which yield on wool dyeings of good fastness to light and may be transformed into color lakes of good fastness properties.

2,205,850

CRUSHING MACHINE

Henry C. Griesedieck, Richmond Heights, Mo., assignor to American Pulverizer Company, St. Louis, Mo., a corporation of Missouri

Application August 1, 1938, Serial No. 222,341
10 Claims. (Cl. 83—11)



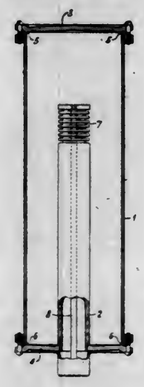
1. A crusher ring of the type having a relatively large central opening for loose mounting on a rotatable carrier, said ring having a heavy annular body with a relatively large central opening for loose mounting on a rotary element of said machine and with a circular series of removable striking elements projecting outwardly from said ring, the outer end portions of said elements being flared and shaped to form double chisel points.

2,205,851

TEMPERATURE CYCLING

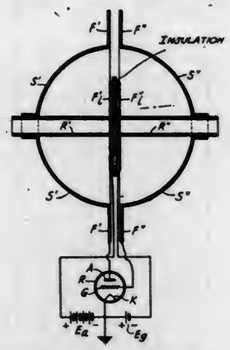
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 1, 1938, Serial No. 199,422
2 Claims. (Cl. 148—13)



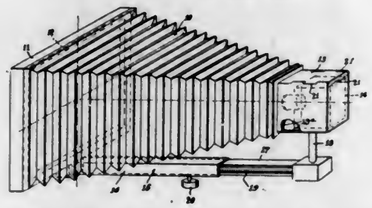
1. The method of reducing dimensional changes of a tuned circuit in the form of a metallic resonator, which includes the steps of repeatedly subjecting, artificially, the resonator as a whole to extremes of high and low temperatures beyond the limits which said resonator may meet during actual service.

2,205,852
SHORT-WAVE RESONANT CIRCUIT
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 24, 1938, Serial No. 215,535
In Germany July 3, 1937
8 Claims. (Cl. 250—38)



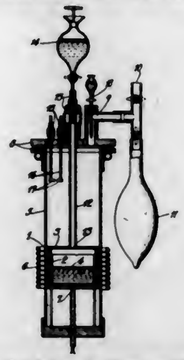
1. In combination, an ultra high frequency tuned oscillatory circuit in the form of a metallic surface of revolution, said surface of revolution being divided into two similarly constructed and symmetrically located parts capacitively coupled together at their adjacent edges by spaced flanges, a lumped capacitor substantially in the center of said surface of revolution and coupled to opposite points on said two parts by inductance in the form of rods, an electron discharge device having an anode, a cathode and a control electrode, direct connections from said anode and control electrode to different ones of said flanges, and at least one connection from said cathode to said lumped capacitor.

2,205,853
APPARATUS FOR THE FILMING OF X-RAY IMAGES
José Jany, Sao Paulo, Brazil
Application April 25, 1939, Serial No. 269,844
In Brazil August 6, 1938
4 Claims. (Cl. 250—65)



1. An apparatus for the cinematographic filming of X-ray images, comprising a frame adapted to be attached to an X-ray apparatus, a fluorescent screen mounted in said frame, a light-impervious extensible bellows of pyramid form having its larger end attached to said frame, a box-like enclosure open on one side thereof and being attached with its open side to the smaller end of said bellows, a photographic film camera disposed in said box-like enclosure and having a lens centered with respect to said bellows and fluorescent screen, and an extensible bracket between said frame and box-like enclosure.

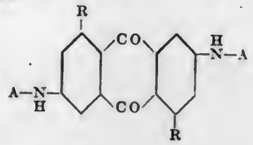
2,205,854
METHOD FOR MANUFACTURING TITANIUM AND ALLOYS THEREOF
Wilhelm Kroll, Luxemburg, Luxemburg
Application July 6, 1938, Serial No. 217,773
In Germany July 10, 1937
15 Claims. (Cl. 75—84)



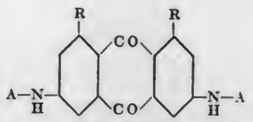
1. The method of producing cold-malleable titanium consisting in causing a halide of titanium to chemically react with an alkaline earth metal at an elevated temperature below the boiling temperature of said metal and in the presence of a protective gas while maintaining normal pressure.

2,205,855
VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES
Karl Kuppe, Cologne-Lindenthal, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application June 21, 1938, Serial No. 214,941. In Germany June 25, 1937
4 Claims. (Cl. 260—368)

1. Vat dyestuffs of the anthraquinone series selected from the group consisting of the following types:



and



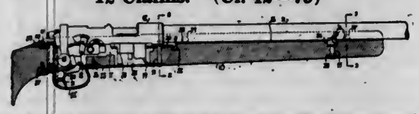
wherein R represents an acylamino group and A represents an anthraquinone.

2,205,856
ELECTRIC CANDLE LIGHTER
William R. Lamm, San Antonio, Tex.
Application January 26, 1938, Serial No. 186,976
7 Claims. (Cl. 67—3)

3. In an electric candle lighter, in combination, a candlestick or support, a candle, a guard or follower mounted on the candle at its upper end and free to move downwardly as the candle burns away, a lighting element mounted on said guard or follower and surrounding the candle wick, a pilot wick connected to the lighting element and depending therefrom with its lower end positioned adjacent to the base of the exposed end of the candle wick, and a conductor connecting the lighting element to a source of electric current.



2,205,857
FIREARM CONSTRUCTION
Joseph L. Marchand, West Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware
Application November 30, 1938, Serial No. 243,083
12 Claims. (Cl. 42—75)



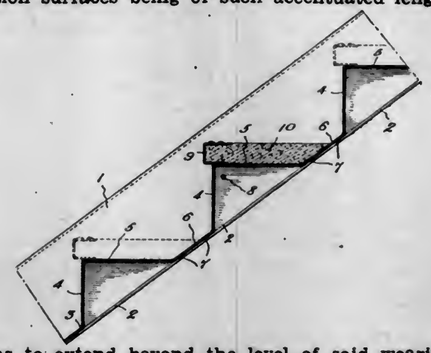
1. A firearm construction including in combination: a barrel; a stock attached to the said barrel and having a longitudinal barrel-receiving groove for seating of the lower portion of the barrel therein; a resilient shock-absorbing member carried in the said barrel-receiving groove and radially interposed between the same and the said lower portion of the barrel for damping the vibrations of the latter with respect to the former when the firearm is discharged; and attaching-means extending between the said lower portion of the barrel and the said stock and exerting a compressive effect upon the said shock-absorbing member.

2,205,858
LUBRICANT CONTAINING ORGANIC SULPHIDES
Louis A. Mikeska and Floyd Laverne Miller, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 23, 1932, Serial No. 588,486
13 Claims. (Cl. 87—9)

1. A lubricating composition adapted for extreme pressure, comprising a mineral lubricating oil and a small quantity of polysulphides derived from mercaptans obtained in the refining of petroleum.

2,205,859
STAIR CONSTRUCTION
John R. O'Donnell, Brooklyn, N. Y.
Application August 24, 1938, Serial No. 226,407
1 Claim. (Cl. 189—43)

In a stair construction, the combination comprising a pair of stringers having inwardly projecting flanges, a plurality of treads and risers having completely flat surfaces devoid of depressions and indentations of any kind integrally formed of a single sheet of metal mounted inbetween said stringers, junction surfaces between said treads and risers conforming to the upper surface of said inwardly turned flanges and being adapted to rest thereon, means for securing said junction surfaces to said inwardly projecting flanges, and separate and readily removable means mounted on said treads and protruding above the surface thereon to define therewith a space for a cementitious material adapted to form a wearing surface for said tread, said junction surfaces being of such accentuated length as to extend beyond the level of said wearing surface and being adapted to provide a sanitary chamfer preventing the accumulation of dust and dirt.



2,205,860
FLASHLIGHT APPARATUS
Phelps Olds, Little Neck, N. Y.
Application September 29, 1939, Serial No. 297,042
14 Claims. (Cl. 240—1.3)

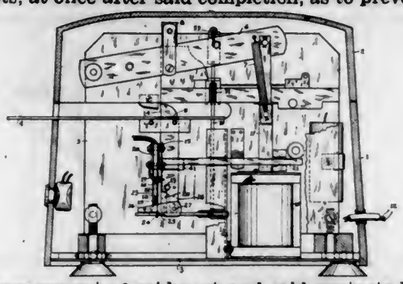


1. Flashlight apparatus embodying therein a collapsible frame, a covering of flexible material for said frame having upon one face thereof a reflecting surface, means engaging said collapsible frame adjacent said reflecting surface, a support for said means passing through said reflecting surface whereby said frame may be collapsed or distended, means whereby said support may be secured in relation to said frame, and a lamp socket carried by said support within and adjacent the reflecting surface of said flexible covering adjacent said first named means.

2,205,861
ELECTRIC STAPLING MACHINE
James J. Oussani, Brooklyn, N. Y.
Application July 22, 1939, Serial No. 285,890
4 Claims. (Cl. 1—2.1)

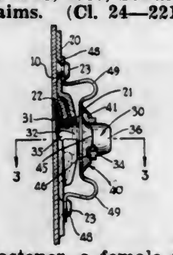
1. In an electrically operated stapling machine in combination a movable abutment for the papers to be operated upon, a single set of electric control contacts, a control member for said contacts, a part of said control member adapted to close said contacts upon movement of said abutment by said papers, means for disengaging said part from said contacts at once after substantial completion of the working stroke of said machine, and means for rapidly separating said

contacts and rapidly causing such a change of the relative position of said part and said contacts, at once after said completion, as to prevent



reengagement of said part and said contacts before an adequate return movement of said abutment.

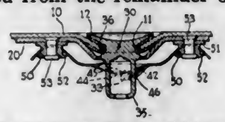
2,205,862
COWL FASTENER
Louis J. Rauch and Philip Rauch, Brooklyn, N. Y.
Application April 13, 1939, Serial No. 267,725
7 Claims. (Cl. 24—221)



1. In a cowl fastener, a female fastening element comprising an elongated metal strip adapted to be secured on one side of a support and to cooperate with a rotary pin equipped with radial arms and secured to a member to be fastened to said support, said strip having end portions adapted to be attached to such support, a substantially rigid central portion held in outwardly spaced relation to said end portions, and bowed resilient portions between said central portion and said end portions allowing the former to be forced toward such support against the tension of said resilient portions, said central portion having a central aperture to receive the end of such pin, said central portion also having oppositely disposed portions defining radial elongations of said aperture and adapted to admit the radial arms of such pin, the marginal portions defining said aperture and said elongations being shaped to provide a permanently rigid shape dished outwardly with respect to the adjacent sides of said strip, said shape providing rigid cam and seat means for interlocking engagement with such radial arms in response to turning movement of said pin.

2,205,863
COWL FASTENER
Louis J. Rauch and Philip Rauch, Brooklyn, N. Y.
Application June 16, 1939, Serial No. 279,426
8 Claims. (Cl. 24—221)

1. In a fastener for cowling or the like, a fastening element comprising a metal strip having a central aperture and rigid cam and groove means adjacent said aperture adapted to receive and interlock with a cooperating rotary fastening element in response to turning movement of the latter, said strip having resilient metal sections beyond said aperture and bearing sections beyond said resilient sections adapted to bear slidably upon supporting structure in a plane spaced from the remainder of the strip, a

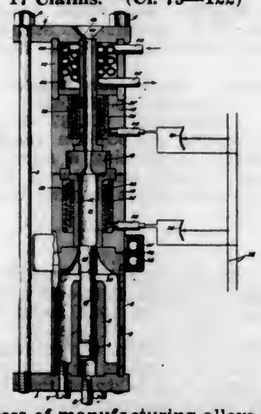


longitudinal slot in each of said bearing sections, and bushings extending through said slots and adapted to be secured permanently to a part to be fastened.

2,205,864
METHOD OF MANUFACTURING HARD FACED METAL BODIES
Paul Schwarzkopf, New York, N. Y., assignor to American Cutting Alloys, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 29, 1938, Serial No. 221,973
6 Claims. (Cl. 75—22)

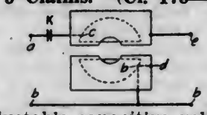
1. A process of manufacturing shaped and surface hardened bodies comprising the steps of forming a surface layer on a body, said layer comprising components capable of carburising, exposing said body with said layer to a free carbon containing medium surrounding said components and raising the temperature to a range from fritting to presintering temperature, continuing said treatment within said temperature range during a controlled period of time until said components in the surface layer are substantially carburised, and thereupon solidifying said still hot body by highly sintering in a neutral atmosphere.

2,205,865
METHOD OF MANUFACTURING ALLOYS, IN PARTICULAR STEEL ALLOYS
Paul Schwarzkopf, New York, N. Y., assignor to American Electro Metal Corporation, New York, N. Y., a corporation of Maryland
Application August 2, 1939, Serial No. 287,905
17 Claims. (Cl. 75—122)



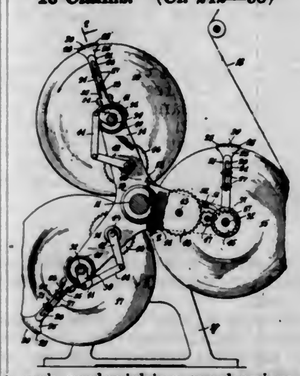
1. A process of manufacturing alloys of at least two elements, comprising the steps of intimately and uniformly admixing the elements in finely divided state and desired ratio, densifying the mixture so obtained into a preliminary body, subjecting said body to high pressure in an extrusion press and extruding it into confined space to form a dense strand therein, and subjecting said strand to thermal treatment in said confined space, said treatment being controlled so as to substantially melt successive portions of said strand and thereafter solidify them.

2,205,866
CAPACITIVE RADIO FREQUENCY VOLTAGE DIVIDER
Gerhard Schweitzer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 26, 1937, Serial No. 176,771
In Germany December 9, 1936
5 Claims. (Cl. 178—44)



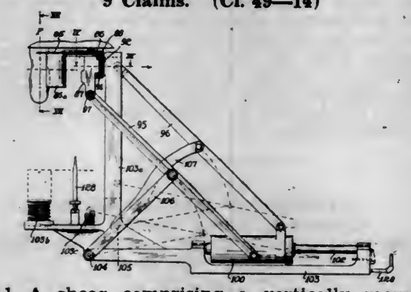
1. An adjustable capacitive voltage measuring device for measuring radio frequency voltages over a wide frequency range, comprising an input circuit and an output circuit, a first and a second variable capacitor each having a group of rotor and stator plates, the rotor and stator plates of the first capacitor group being located in the same plane and spaced apart from the second group, the rotor plates of the first capacitor group being electrically insulated from the second group and mechanically coupled together for rotation to interleave the stator plates of each capacitor group as they are rotated, a fixed capacitor connected in series with one side of said input circuit and the group of rotor plates of said first variable capacitor which with its group of stator plates forms a first voltage divider, a connection from the group of stator plates of said first variable capacitor to one side of said output circuit, a connection between the group of rotor and stator plates of said second variable capacitor forming a second voltage divider, and a connection from said group of rotor and stator plates of said second variable capacitor to the other side of both the input and output circuits.

2,205,867
WEB REPLENISHING MEANS
Walter C. Scott, Plainfield, N. J.
Application November 27, 1937, Serial No. 176,848
18 Claims. (Cl. 242—58)



1. In a web replenishing mechanism in which a rotatable web roll is provided with a pasted portion and has its speed of rotation accelerated to uniting speed before it is united by its pasted portion to a running web, a member driven in unison with the web roll; a rotatable shield connected to said member to travel in unison therewith and to protect the pasted portion of the web roll during acceleration of the speed of rotation of said roll; means to release said rotatable shield from said member; driving means timed to move in unison with said member; and connections, including variable speed mechanism, from said driving means and connectable to said shield to retard the shield, after said shield has been released from said member, at a gradually decelerating speed that is proportional to the speed at which said member moves.

2,205,868
SEVERING MECHANISM
Frank L. O. Wadsworth, deceased, late of Pittsburgh, Pa., by Mildred M. Wadsworth, administratrix, Pittsburgh, Pa.; said Wadsworth assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana
Original application April 9, 1935, Serial No. 15,416. Divided and this application January 16, 1937, Serial No. 120,925
9 Claims. (Cl. 49—14)



1. A shear comprising a vertically movable frame, a spring for yieldingly holding said frame in its upper position, shear blades mounted on said frame, means for moving said blades laterally to close the same, a cam for actuating said blade closing means, a bell crank lever for lowering said frame and imparting an axial movement to said blades, and a cam for actuating said bell crank lever, said cams being arranged to maintain a desired relationship between the axial and lateral movement of said blades.

2,205,869
EXTENSION LEG
Jesse G. Wakeman, Shinhopple, N. Y.
Application June 29, 1939, Serial No. 281,955
7 Claims. (Cl. 228—63)



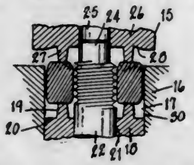
1. In combination with a ladder having side rails and cross rungs, an extension leg formed of

two members, one of said members being fixed to a side rail and the other member slidable on the fixed member, the fixed member having a longitudinally extending rib, a pair of controlled oppositely operating wedge devices carried by the slidable member engageable with said rib for holding the slidable member against movement on said fixed member.

2,205,870
PHOTOGRAPHIC FILTER LAYER
Gustav Wilmanns, Wolfen (Kreis Bitterfeld), and Wilhelm Schneider and Alfred Froehlich, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 2, 1937, Serial No. 167,020. In Germany October 27, 1936
2 Claims. (Cl. 88—114)

1. A filter layer absorbing ultra-violet radiation, which comprises a colloidal emulsion layer and incorporated therein an aromatic hydrocarbon capable of absorbing ultra-violet light and selected from the class consisting of chrysene, anthracene, pyrene, fluorene and naphthalene, said compound being substituted by an aliphatic radical containing a carbon chain of at least 12 carbon atoms.

2,205,871
METHOD OF MAKING NUTS
Leonard A. Young, Detroit, Mich.
Application October 18, 1937, Serial No. 169,534
16 Claims. (Cl. 10—86)



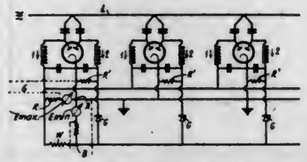
13. A method of forming threaded elements comprising the steps of positioning a blank relative to a thread forming matrix, compressing the blank longitudinally to cause the metal thereof to flow laterally against the matrix, and relatively rotating the blank and matrix to free the same from one another.

2,205,872
IODIZED SALT
Robert E. Berry, San Leandro, Calif., assignor to Morton Salt Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 27, 1938, Serial No. 187,219
14 Claims. (Cl. 99—143)

1. A process for producing an iodized salt having uniform and homogeneous characteristics which comprises treating a small portion of the salt crystals with a concentrated solution of potassium iodide dissolved in water to attach the iodine compound in definite proportion thereto while retaining substantially the original physical characteristics of the treated crystals, and thereafter uniformly intermixing said treated salt crystals with a controlled large quantity of untreated salt crystals in the proportion of the general order of 1 treated crystal to 87 untreated crystals to provide a mixed mass of crystals of similar physical characteristics as regards tendency to segregate in use and with the treated crystals in such relative quantity as to incorporate a predetermined proportion of iodine present as potassium iodide with respect to the entire mass of salt.

2. As a new product, free-flowing iodized salt comprising a mass of salt crystals of which a relatively small proportion has an iodine compound consisting of potassium iodide fixed thereon and which incorporates substantially a minimum quantity of aqueous solvent for said compound, each of such treated crystals having a relatively rich deposit of potassium iodide thereon and retaining essentially the physical characteristics of salt crystals, the number of such treated crystals being controlled with respect to the number of untreated crystals so as to provide the desired proportion of the order of .02% to .03% of iodine compound present as potassium iodide upon the entire mass of salt with a negligible addition of solvent thereto.

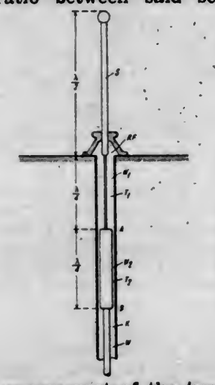
2,205,873
METHOD OF MEASURING POWER ON HIGH-FREQUENCY ENERGY LINES
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 30, 1937, Serial No. 139,894
In Germany April 30, 1936
7 Claims. (Cl. 178—44)



6. In a system for measuring the power transmitted on a high frequency transmission line, a plurality of pairs of rectifiers connected at spaced points along said line, the output circuits of one of each of said pairs of rectifiers being connected together and having a common load resistor and an indicating instrument connected thereto whereby the voltage maximum on said line may be measured, an individual load resistor for the other rectifier of each of said pairs, connections for applying the voltage across each individual load resistor to a second common resistor, said connections including a rectifier between each of said individual load resistors and said second common resistor, means connecting one end of each of said common resistors together and an indicating instrument connected between the other end of each of said common resistors whereby the minimum voltage on said line may be measured.

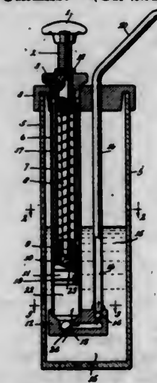
2,205,874
ARRANGEMENT FOR MATCHING A HIGH FREQUENCY RADIATOR TO A TRANSMISSION LINE
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 24, 1937, Serial No. 181,492
In Germany December 24, 1936
2 Claims. (Cl. 178—44)

1. Means for matching a high frequency radiator to a transmission line having a characteristic impedance differing from the radiation resistance of said radiator comprising a plurality of transformation sections connected in series between said radiator and said transmission line, each of said sections having a length equal to a quarter of the length of the operating wave, the impedance ratio between said sections being



equal to the square root of the impedance ratio between the radiator and the transmission line and means for making a close adjustment of said impedances including means for varying the capacity of said sections.

2,205,875
LIQUID DISPENSER
Jasper M. Coffey and Richard C. English, San Diego, Calif.
Application November 9, 1937, Serial No. 173,655
2 Claims. (Cl. 221—103)



2. In a fluid dispenser, the combination of a tank, a cover for said tank, non-compressing pump mechanism and delivery spout carried by said cover, an elongated plunger barrel communicating with said spout and secured to said cover and extending downwardly therefrom into the interior of said tank, an elongated sleeve attached to said cover and located within said barrel, the piston rod of said pump mechanism being enclosed by said sleeve and reciprocating therein and extending beyond the same, and the plunger head of said mechanism being pivotally connected with the protruding end of said rod, the movable parts of said mechanism having sufficient clearance to permit ingress of the fluid from said tank to fill all the open spaces of said mechanism within said barrel and sealing grooves in the periphery of said head for preventing further seepage into said mechanism when said spaces are filled, means for admitting fluid into said barrel at the bottom thereof from said tank, and means for adjusting the stroke of said pump to measure the quantity of liquid received therein and ejected therefrom through said spout.

2,205,876
BEARING
William J. Conley, Rochester, N. Y., assignor to E. Phelps Langworthy, Rochester, N. Y.
No Drawing. Application September 9, 1937, Serial No. 163,059
7 Claims. (Cl. 308—242)

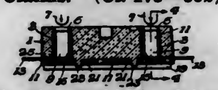
1. A bearing assembly comprising companion relatively movable parts which are formed to provide cooperating contacting surfaces, said parts being of spheroidized steel and having cementite counts at said surfaces which are substantially equal and which are in excess of 17×10^7 and less than 28×10^7 spheroids per square inch.

2,205,877
SURFACE CLEANING TOOL
Ralph E. Dunbar, East Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio, a corporation of New York
Application September 17, 1937, Serial No. 164,369
1 Claim. (Cl. 15—158)



In a vacuum cleaner, a surface cleaning tool having a suction nozzle provided with front and rear surface engaging lips, walls providing a downwardly facing recess in the rear of the suction nozzle, a brush in the recess, spring means urging the brush upward in the recess, cooperating wedge members serving as an adjustable abutment limiting upward movement of the brush, one of said members being movable and having a part projecting through the rear wall of the recess for holding it in its adjusted position, said brush serving as a support for the tool when the tool is tilted to raise the front lip of the nozzle from the surface being cleaned.

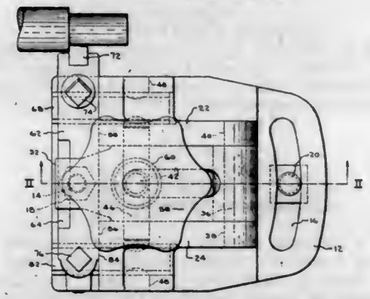
2,205,878
ELECTRICAL SOCKET
Hugh H. Eby, Philadelphia, Pa., assignor to Hugh H. Eby, Inc., a corporation of Pennsylvania
Application April 17, 1937, Serial No. 137,561
3 Claims. (Cl. 173—332)



1. In combination, a block of insulating material having an upper and a lower surface, each having parallel side edges and being of different projected areas, said block having a pair of parallel openings extending from one surface to the other, said lower surface having three surface levels comprising the lowermost level comprised of spaced parallel side portions defining the side walls of a longitudinal channel the surface of which parallel to the upper surface is the second level and extends as a slotted channel the full length of the block, and the third level is that of a pair of sub-channels extending in the floor of the slotted channel between the respective holes and the ends of

the block, said openings each having an internal shoulder close to the upper side of the block, contact members each comprising a contact making portion and a substantially normally extending substantially planar soldering tail, said members mounted on the block with the contact making portions in position to engage said shoulder under withdrawing tension of a prong in the respective openings, and with the respective soldering tails in the sub channels and projecting beyond the end of the block, a cover plate mounted in the first mentioned channel and overlying the soldering tails to close the lower entrance into the openings along said tails.

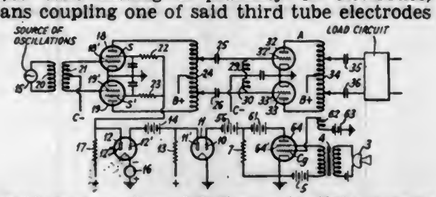
2,205,879
TOOL HOLDER
Harold J. Fausnaugh, Three Rivers, Mich.
Application September 30, 1937, Serial No. 166,532
Renewed November 24, 1939
9 Claims. (Cl. 82—36)



1. A tool holder fixture of the type described comprising a pair of members supported for pivotal movement about spaced axes, one of said members having a tool holder engaging part, the other of said members having means for engaging with said first member to rock said part toward the tool holder, said first member upon relative rocking movement between said members being engageable by said means at different points along the longitudinal axis of said first member, and a cam surface presented by said first member to said means, said members having such configurations that said other member is rockable from adjacent the pivotal axis of said first member, the rocking of said other member from adjacent the pivotal axis of said first member and the traversing of said means along said cam surface rocking said part toward said tool holder.

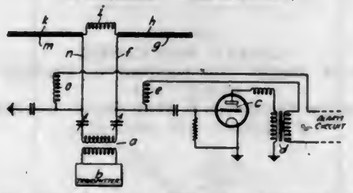
2,205,880
MODULATION SYSTEM
James L. Finch, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 15, 1936, Serial No. 59,214, which is a division of application Serial No. 658,735, February 27, 1933, now Patent No. 2,031,639, dated February 25, 1936. Divided and this application August 6, 1937, Serial No. 157,657
14 Claims. (Cl. 179—171.5)

1. In a signalling system, a thermionic amplifier tube having its input electrodes coupled to a source of high frequency oscillations, said amplifier tube having a screen grid electrode and having output electrodes coupled in an alternating current output circuit, a second amplifier tube having its input electrodes coupled to the alternating current circuit coupled to the output electrodes of said first named amplifier tube, a source of modulating potentials, a third amplifier tube having a plurality of electrodes, means coupling one of said third tube electrodes



to said source of modulating potentials, means coupling another of said third tube electrodes to the screen grid electrode in said first named amplifier tube, and means coupling a third electrode of said third named amplifier tube to an electrode in said second named tube.

2,205,881
ANTENNA SUPERVISORY SYSTEM
Kurt Fränz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 4, 1937, Serial No. 178,178
In Germany December 8, 1936
10 Claims. (Cl. 250—17)



1. In combination with an antenna and a transmission line for connecting said antenna to a source of high frequency energy, means for rectifying a portion of said energy and applying it to a series circuit including one conductor of said transmission line, said antenna and the other conductor of said transmission line, and means responsive to a change of the current in said circuit for energizing an alarm.

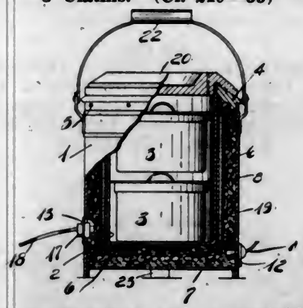
2,205,882
TANNING
George D. Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 16, 1938, Serial No. 214,050
26 Claims. (Cl. 149—5)

5. In a process for the tanning of skins, the step comprising subjecting a skin to the action of an interpolymer of members of the acrylic acid series.

2,205,883
TANNING
George D. Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 16, 1938, Serial No. 214,051. Renewed September 9, 1939
14 Claims. (Cl. 149—5)

4. In a process for the tanning of skins, the step comprising subjecting a skin to the action of an aqueous solution of polymethacrylic acid at a pH of about 4.8 to 5.7, and then increasing the acidity.

2,205,884
ELECTRICAL COOKING DEVICE
Allen Greenman, Bay City, Mich.
Application April 12, 1937, Serial No. 136,258
3 Claims. (Cl. 219—35)



3. The combination with a portable cooker comprising an outer casing with an open lower end, an inner well casing within the outer casing in spaced relation thereto, a closed unitary sleeve-shaped heating element telescopically engaging the inner wall casing on its outer periphery, an insulating material surrounding said inner well and sleeve-shaped element, resistance coils mounted in said sleeve-shaped element, terminals mounted on said element adjacent the lower end thereof and connected to said coils, a removable bottom plate forming a closure for the lower end of the outer well, said plate being removable to permit the removal of the sleeve-shaped heating element as a unit without removal or disturbance of the remainder of the cooker.

2,205,885
PREPARATION OF ACETYLENIC ACIDS
Donald B. Jackson and Thomas H. Vaughn, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Research Laboratories, Inc., a corporation of New York
No Drawing. Application February 25, 1938, Serial No. 192,502
20 Claims. (Cl. 260—533)

9. Process for preparing an acetylenic acid, which comprises reacting sodium acetylide with carbon dioxide under superatmospheric pressure and at a temperature within the range between the normal boiling point of liquid ammonia and 90° C., in the presence of a liquid nonsolvent for the sodium acetylide which is inert toward the reactants and is a solvent for acetylenic acids, agitating the mixture of reactants during the said reaction, thereafter converting the sodium salt of the acetylenic acid thus produced to the free acid, while concurrently extracting the latter with the said liquid, and separately recovering from the resultant extract the free acetylenic acid.

15. As a composition of matter, a solution of propiolic acid in a water-miscible glycol ether.

2,205,886
MATERIAL FOR THERAPEUTIC PURPOSES CAPABLE OF SWELLING IN WATER, AND METHOD OF PREPARING SAME
Karl Jungmann, Aussig, Czechoslovakia, assignor to Schering-Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application July 1, 1937, Serial No. 151,454. In Germany July 11, 1936
6 Claims. (Cl. 167—56)

2. A dry granular bulk laxative comprising a water-insoluble alkali-modified gum prepared from a member of the group consisting of Bassora and Sterculia gums, said modified gum retaining the normal capacity of the natural gums of swelling to many times its dry volume when in contact with water and of remaining non-homogeneous in such swollen condition, said modified gum having a lower acidity than the natural gum and being in its swollen condition substantially indigestible and slimy while passing through the intestinal tract.

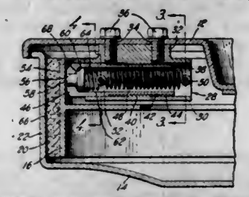
2,205,887
COLORING TEXTILE MATERIALS
Jean G. Kern, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 2, 1938, Serial No. 211,390
14 Claims. (Cl. 8—134)

1. The method of inhibiting reduction of reducible dyes on textile material which comprises treating a textile material having a reducible dye applied thereto with a nitro-aralkyl side-chain sulfonate.

2,205,888
BASE METAL ALLOY
Charles J. Koebel, Detroit, Mich., assignor, by mesne assignments, to Koebel Diamond Tool Co., Detroit, Mich., a corporation of Michigan
No Drawing. Original application June 30, 1930, Serial No. 462,485. Divided and this application January 12, 1932, Serial No. 586,238
1 Claim. (Cl. 75—134)

As a new article of manufacture, a setting for diamonds composed of an alloy including molybdenum, approximately twenty-six percent, copper approximately twenty-eight percent and cobalt approximately forty-six percent.

2,205,889
AUTOMATIC BRAKE ADJUSTMENT
Guido V. Mabrito, Chicago, Ill.
Application April 20, 1938, Serial No. 203,193
1 Claim. (Cl. 188—79.5)



In a brake mechanism including a supporting anchor plate, a brake drum, a brake shoe carried on the anchor plate for movement into and out of braking engagement with the drum, and means for actuating the shoe; a guide member secured rigidly to the anchor plate with its guideway in substantially radial relation to the drum, a sleeve of substantial length in proportion to its diameter having a portion fitted in guiding relation to the end of the guideway adjacent the brake drum, said guideway having a threaded portion spaced inwardly from said end, said sleeve having a portion threaded for engagement with said threaded portion of the guideway, a plunger projecting from the end of the sleeve for contact with the brake shoe, stop means within the sleeve limiting such projection of the plunger, a spring within the sleeve urging the plunger into

projected position, a torsion spring in the sleeve, a cross-pin in the sleeve to which one end of the torsion spring is anchored and against which the plunger spring reacts for projecting the plunger, and a second cross-pin by which the opposite end of the torsion spring is anchored in the guide member at the end remote from the brake shoe whereby said spring serves to rotate the sleeve and advance it toward the brake shoe when the brake clearance exceeds the limit of projection of the plunger.

2,205,890

METHOD OF CUTTING OR FLAME-MACHINING METAL

William Bryce Nicholson and Everett P. Jones, Elizabeth, N. J., assignors to The Linde Air Products Company, a corporation of Ohio

Application June 11, 1937, Serial No. 147,696
Renewed November 18, 1939
10 Claims. (Cl. 148—9)



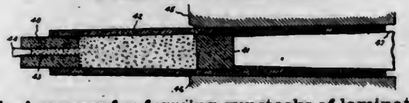
1. A method of performing a cutting, deseaming, flame-machining or similar operation along a surface of an oxidizable steel body which comprises directing a heating flame against an area on said surface at a point where said operation is to begin, to heat said area; said heating flame being of insufficient intensity to quickly heat said area to its oxygen ignition temperature; introducing metal, fusible by said flame and combustible in oxygen, into said flame at a point adjacent such heated area; directing a jet of oxidizing gas against a part of said heated area and also against such fusible and combustible metal, after the latter has been raised to at least its ignition temperature by said flame, to oxidize such introduced metal adjacent said area so that the heat liberated by such oxidation supplements the heat applied to said area by said flame and quickly raises to an ignition temperature at least the part of said area against which said jet is directed; and thereupon moving said flame and said jet in unison relatively to said body and in a direction substantially parallel to said surface while directing both said flame and said jet against successive areas of said surface.

2,205,891

PROCESS OF MANUFACTURING GUNSTOCKS

Richard Sprenger, Hennigsdorf, near Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application January 22, 1938, Serial No. 186,429
In Germany February 5, 1937
2 Claims. (Cl. 18—56)



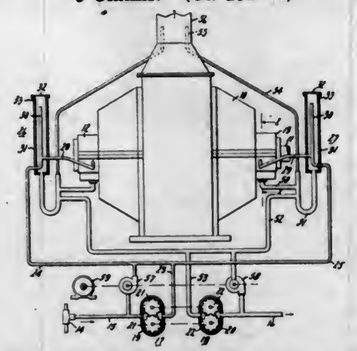
1. A process for forming gunstocks of laminated material impregnated with a phenolic condensation product which includes preforming said laminations and rolling them into a hollow structure divided into sections by spaced plugs, applying heat and pressure to a section of said laminations, filling the space between plugs in said finished section with a removable core material and applying heat and pressure to an adjacent section of said structure whereby the plugs in said structure are maintained in position during the successive applications of pressure to adjacent sections of the said structure respectively.

2,205,892

BEARING LUBRICATING SYSTEM

John W. Teker, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application May 21, 1938, Serial No. 209,272
6 Claims. (Cl. 184—6)



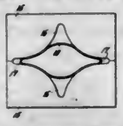
1. In a dynamoelectric machine having a forced draft ventilating means, a lubricating system for a bearing of said machine comprising conduit means for conducting lubricating oil under pressure to said bearing, means including an overflow pipe extending to a level above said bearing in communication with said conduit means adjacent said bearing for limiting the oil pressure in said conduit, a chamber for receiving the overflow from said overflow pipe, a drain conduit for conducting oil from said chamber and said bearing, a portion of said drain conduit between the chamber and bearing connections being normally fluid filled forming a trap, means for withdrawing oil from said drain conduit above said trap and below said bearing drain connection, a vent pipe in communication with the bearing drain connection and the ventilating means of said machine, said vent pipe being so arranged with respect to said ventilating means that a suction is created upon said bearing drain connection.

2,205,893

METHOD OF CORRUGATING A HEAT-RADIATING TUBE

Magnus Unger, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application September 3, 1937, Serial No. 162,250
2 Claims. (Cl. 153—70)



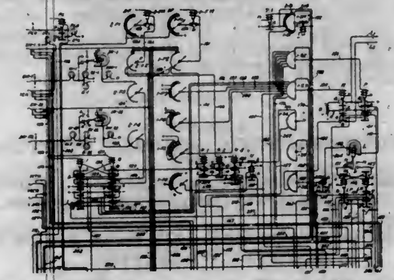
1. The method of corrugating a heat-radiating tube of round cross section, said method including the steps of applying pressure in parallel directions to two spaced longitudinal portions of each of the opposite sides of the tube and with no internal support for the inner surface of the tube to collapse the tube and form a first pair of relatively sharp convex bends in diametrically opposite portions of the tube between said two sides, rotating said tube through a right angle and then applying pressure to two spaced longitudinal portions of the tube at the two convex bends to collapse the tube and form a second pair of relatively sharp convex bends in diametrically opposite portions of the tube at right angles with respect to said first pair of bends.

2,205,894

SUPERVISORY CONTROL SYSTEM

Leo D. White, Lansdowne, and Clyde E. Stewart, Upper Darby, Pa., assignors to General Electric Company, a corporation of New York

Application December 3, 1936, Serial No. 114,002
24 Claims. (Cl. 177—353)



1. In combination, a controlling station, a remote station, conductors interconnecting said stations, a plurality of apparatus units at said remote station, each unit having a plurality of positions, means at said controlling station for transmitting over said conductors a select code of impulses individual to each apparatus unit, selecting means at said remote station responsive to said select codes for selecting the corresponding units, means responsive to a selection at said remote station for transmitting over said conductors a check code of impulses individual to the selected apparatus unit followed by an indication impulse of a character varying with the position of the selected apparatus unit, signalling means at said controlling station individual to each apparatus unit, selecting means at said controlling station responsive to said check codes, means controlled by said selecting means at said controlling station for checking the select and check codes and for effecting the selective operation of the signalling means individual to the selected apparatus unit in response to the character of said indication impulse if said codes agree, means responsive to the receipt of said indication impulse at said controlling station for effecting the transmission over said conductors of an indication check impulse, means at said remote station responsive to said indication check impulse for placing the selected apparatus unit in condition to be operated in response to the transmission of a predetermined current impulse over said conductors, and means at said controlling station for effecting the transmission of said predetermined current impulse.

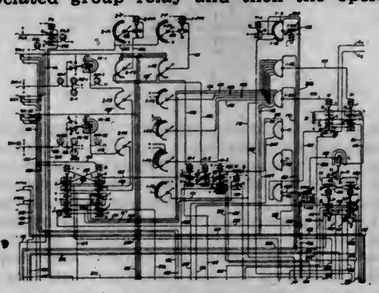
2,205,895

SUPERVISORY CONTROL SYSTEM

Leo D. White, Lansdowne, and Clyde E. Stewart, Upper Darby, Pa., assignors to General Electric Company, a corporation of New York

Original application December 3, 1936, Serial No. 114,002. Divided and this application June 1, 1938, Serial No. 211,162
4 Claims. (Cl. 177—380)

1. A code transmitter including a plurality of control devices arranged in groups, a group relay individual to each of said groups of devices, a multiple position selector switch having each of a plurality of its positions allotted to a device in each of said groups, means responsive to a predetermined operation of any control device for effecting first a predetermined operation of the associated group relay and then the operation



of said selector switch to the position thereof allotted to the operated control device, and means controlled by the operated group relay and the position of the selector switch for effecting the transmission of a code of current impulses individual to the operated control device, said code comprising a code individual to the operated group relay followed by a code individual to the position of the selector switch.

2,205,896

METHOD OF REFINING CLAYEY IRON ORES

Hidesuke Yamagata, Tokyo, Japan

No Drawing. Application June 15, 1939, Serial No. 279,273
3 Claims. (Cl. 75—41)

1. Method of smelting clayey iron ore, which consists in charging chromium-containing clayey iron ore into a blast furnace together with coke and a flux in the presence of a phosphate compound; carrying out the operation so that the ratio of lime, magnesia, iron oxide and manganese oxide to silica and alumina as

$$\frac{CaO+MgO+FeO+MnO}{SiO_2+\frac{1}{2}Al_2O_3}$$

contained in the slag may be within the limit of 0.85 to 0.5, thus lowering the chromium content of the pig iron and at the same time increasing the phosphorus content to not less than 1.5%; and next treating the said pig iron in a basic converter while it is in a molten state and thereby removing the remaining chromium and phosphorus.

2,205,897

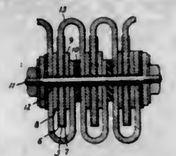
DRY PLATE RECTIFIER AND METHOD OF PRODUCING SAME

Fritz Brunke, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York

Application June 8, 1937, Serial No. 147,105
In Germany June 13, 1936
4 Claims. (Cl. 175—366)

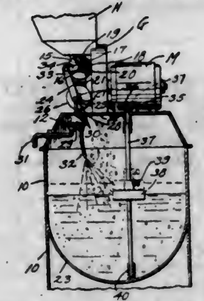
1. A dry plate device including a plurality of rectifier cells, each of said cells comprising a plate of conductive material having a carrier electrode portion and an extension portion, coatings of semi-conductor material on opposite sides of said carrier electrode portion, a pair of counter electrodes in contact respectively with said oppositely-disposed coatings, said carrier electrode por-

tions and said counter electrodes having openings formed therethrough, clamping means extending through said openings, and means including said extension portions to connect said rectifier cells in series along said clamping means.



2. A dry plate device including a group of carrier electrodes connected in parallel, each of said carrier electrodes having coatings of semi-conductor material on opposite sides thereof, and a group of counter electrodes connected in parallel, said group of carrier electrodes being interleaved between said group of counter electrodes and said coatings being in contact with corresponding surfaces of said counter electrodes.

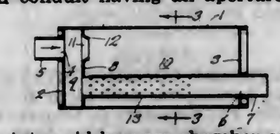
2,205,898
FEED GRINDING AND CULTURING APPARATUS
Fred K. Chandler, Des Moines, Iowa
Application April 24, 1939, Serial No. 269,688
5 Claims. (Cl. 99—235)



1. In a feeding apparatus of the character disclosed, a hopper, a grinder adapted to receive unground feed therefrom in predetermined proportions, a motor for driving said grinder, a receptacle adapted to receive ground feed from said grinder, a pump for supplying water to said receptacle, said pump being operatively connected with said motor, a control device for said motor comprising a switch, a float rod for operating said switch, a float responsive to the level of the mixture of ground feed and water in said receptacle, said float being positionable at different elevations on said float rod to cause operation of said motor at different desired levels of said mixture in said receptacle.

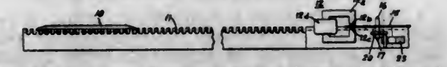
2,205,899
SILENCING DEVICE FOR PULSATING GASES
Alfred S. Chipley, Chicago, Ill., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application May 1, 1939, Serial No. 271,031
14 Claims. (Cl. 181—57)

1. In a device of the character described including a shell having an inlet opening and an outlet opening, conduit means adapted to conduct gases into said shell at said inlet opening, means forming a snubber chamber within said shell, said means including a partition arranged in spaced relation to said shell at said inlet opening to form a by-pass chamber and having an opening therein in alignment with said conduit means, and at least one conduit passing through said snubber chamber establishing communication between said by-pass chamber and said outlet opening, said conduit having an apertured wall and



opening into said by-pass chamber at a point in non-alignment with said conduit means, the construction and arrangement of said device being such that gases entering said snubber chamber are free to expand substantially unimpeded therein and thereafter pass therefrom through the aperture or apertures in said conduit.

2,205,900
ELECTROMAGNETIC SHUTTLE STOPPING DEVICE
Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 7, 1938, Serial No. 228,742
8 Claims. (Cl. 139—185)



1. Mechanism for stopping a loom shuttle at the end of each pass comprising in combination, an electromagnet arranged adjacent the shed of the warp material, an armature member arranged for rotation in the field of said electromagnet and positionally arranged to be set in motion by said shuttle whereby said shuttle gives up its kinetic energy to said armature and is brought rapidly to rest, and said armature dissipates said transferred energy as a result of its rotation in said magnetic field.

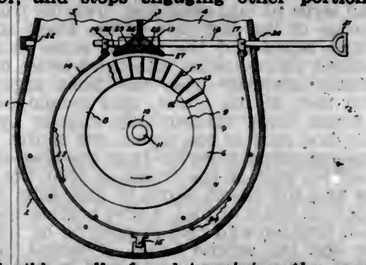
2,205,901
TANNING
Joseph S. Kirk, Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 1, 1939, Serial No. 276,793
17 Claims. (Cl. 149—5)

1. In a process for the tanning of skins, the steps comprising subjecting a skin to the action of an acidic polymeric material in which the acidity is due to carboxyl groups, and then subjecting the skin to the action of a soluble salt of a metal selected from the group consisting of aluminum, iron, titanium, copper, and chromium.

2,205,902
REVERSIBLE FAN
Kenton D. McMahan, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 12, 1937, Serial No. 158,690
12 Claims. (Cl. 230—133)

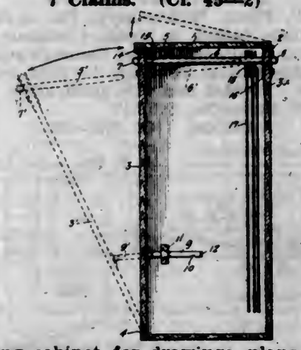
1. In a reversible centrifugal fan, a fan casing having a wall defining a passage around and spaced from the fan into which the fan discharges, said passage leading to an outlet, flexible walls at all times within said casing walls

for changing the area of said passage, means engaging a portion of said flexible walls for moving the flexible walls transverse to the faces thereof, and stops engaging other portions of



the flexible walls for determining the position thereof whereby said passage increases in area around the fan toward the outlet in the direction of rotation of the fan.

2,205,903
FILING CABINET FOR DRAWINGS, PLANS, AND THE LIKE
Karl Möbus, Berlin, Germany
Application August 6, 1938, Serial No. 223,385
In Germany August 9, 1937
7 Claims. (Cl. 45—2)



1. Filing cabinet for drawings, plans and the like having a rear wall member and a tiltable front wall member, means on which said drawings are suspended in the cabinet comprising straight tubular suspension elements pivotally attached for vertical swinging movement to the rear wall member, and straight stringing pins pivotally attached also for vertical swinging movement to the front wall member, said suspension elements and stringing pins telescoping to form a rigid support for the drawings in the closed position of the front wall member and disengaging from one another in the fully open position of said front wall member, and positioning means on said rear and front wall members limiting both the suspension elements and stringing pins to mutually registering positions in the disengaged position thereof, so that when the front wall member is swung toward the rear wall member said suspension elements and stringing pins will again telescope.

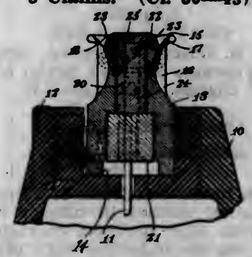
2,205,904
CLOTHES DRIER
Buel Willard Moore, Venice, Calif.
Application March 2, 1939, Serial No. 259,469
1 Claim. (Cl. 211—89)

A clothes drier of the character described, comprising a rectangular foldable frame including side bars and end bars, clothes gripping pins pivoted to said side bars and one of said end bars, a flexible cable connected at its ends to one end bar adjacent the side bars and having an eye formed therein intermediate its ends, and a second flexible cable having its ends connected to



the opposite end bar adjacent the side bars and of a length greater than the first mentioned flexible cable and having an eye intermediate its ends, whereby the drier may be supported on end laterally from and against a flat surface by application of said eyes to a single hook disposed above the point of contact of said frame with said surface.

2,205,905
SHAVING IMPLEMENT
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application April 16, 1936, Serial No. 74,701
5 Claims. (Cl. 30—43)



1. A shaving implement having upper and lower longitudinal passages therein and a series of shearing teeth located adjacent to the upper passage, a reciprocatory member having spaced and rigidly connected portions arranged to slide in said passages and co-operating shearing teeth formed in the upper portion of said member, and operating means connected to the lower portion of said member.

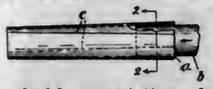
2,205,906
SOUND TRANSLATING DEVICE SUPPORTING ASSEMBLY
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 23, 1938, Serial No. 220,937
2 Claims. (Cl. 179—103)



1. A supporting assembly for a sound translating device comprising, in combination, a supporting member including a side wall defining a cup-shaped recess therein, a cup-shaped cover member adapted to be secured to said supporting member to define a chamber therebetween, said members being so constructed and arranged that

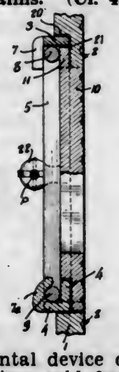
an annular retaining space is provided between the rim of the side wall of said supporting member and the inner surface of said cover member when said members are secured together, a sound translating device including a conductive housing adapted to serve as a connecting terminal, said housing having an enlarged annular portion adapted to extend within said annular space when said device is positioned within said chamber and having a thickness substantially less than the width of said annular space, a substantially U-shaped terminal element arranged in said chamber and provided with two spaced-apart legs, each of the legs of said element being provided with a laterally extending arcuate-shaped portion arranged within said annular space between the rim of the side wall of said supporting member and the enlarged portion of the housing of said device, and means including a number of spaced-apart and outwardly extending fingers carried by the arcuate-shaped portion of each of the legs of said element and engaging the enlarged annular portion of the housing of said device for spring biasing the adjacent surface of the enlarged annular portion of the housing of said device into firm engagement with the inner surface of said cover member when said cover member is secured to said supporting member.

2,205,907
CRAYON HOLDER
John H. Oxley, Watertown, Mass.
Application February 20, 1940, Serial No. 319,924
2 Claims. (Cl. 120—13)



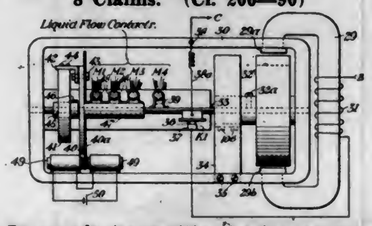
1. A crayon holder consisting of a sheet of thin resilient material molded in tubular form with its longitudinal edge portions overlapping and slidable one on the other, to vary the internal diameter and permit the crayon to be slidably inserted therein and to be yieldably engaged thereby, the normal internal diameter of the holder gradually decreasing from one end to the other.

2,205,908
ORNAMENTAL DEVICE
Oscar Placco, Cranston, R. I.
Application November 12, 1938, Serial No. 239,985
3 Claims. (Cl. 40—142)



3. An ornamental device comprising a frame having an opening, said frame having a front edge and also having a rear edge, four series of lugs, each said lug extending inwardly from the wall of said frame, each lug having one end thereof connected to the wall of the frame, the first series of lugs extending inwardly from a first part of the front edge of the frame, the second series of lugs extending inwardly from the rear edge of the first part of the frame so that the first series and the second series form an associated pair of series, the third series of lugs extending inwardly from the front edge of a second part of the frame, said second part of the frame being substantially directly opposed to the first part of the frame, the fourth series of lugs extending inwardly from the rear edge of the second part of the frame so that the third series and the fourth series of lugs form a second pair of series of lugs, a first holding member located between and held in position by the first series and the second series, a second holding member located between and held in position by the third series and the fourth series, ornamental members having tongues, each tongue being located between two lugs which are located at the rear edge of the frame, said tongues being located in front of said holding members, said frame having supplemental means at the front thereof to hold said ornamental members against movement out of the front of the frame.

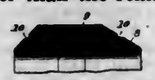
2,205,909
CODING APPARATUS
Willard P. Place, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application February 17, 1939, Serial No. 256,946. Divided and this application October 12, 1939, Serial No. 299,117
8 Claims. (Cl. 200—90)



1. In a code transmitter having an armature fixed on a shaft for rotation and biased by spring means to a normal position about which it oscillates at a pre-selected frequency when the magnet of the code transmitter is supplied with current over a circuit including a contact operated by movement of the armature in a predetermined direction away from said normal position, the combination comprising, a member mounted in axial alignment with said shaft for rotation, resilient means to connect said member with said shaft to cause said member to oscillate with said armature with a predetermined lag, a first coding contact mounted for operation by said armature and shaft, and a second coding contact mounted for operation by said member, a predetermined time interval after said first coding contact is operated.

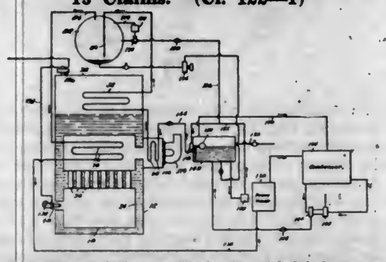
2,205,910
COUPLING COMPRESSION RING
Frank J. Raybould, Erie, Pa., assignor to Raybould Coupling Company, Meadville, Pa., a corporation of Pennsylvania
Application November 3, 1938, Serial No. 238,570
4 Claims. (Cl. 285—19)

1. A coupling compression ring comprising an inner core of a relatively soft resilient material and an outer casing of a relatively hard material, said casing having at least one section appreciably thinner than the remainder thereof to



permit breaking of the casing at the thin section when subjected to substantial coupling pressures.

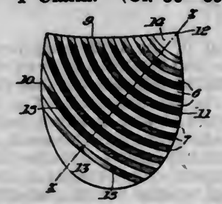
2,205,911
HIGH PRESSURE STEAM GENERATOR
Eugene L. Schellens, Ridgewood, N. J., and Christopher A. Schellens, Marblehead, Mass., assignors to C-S Engineering Company, Englewood, N. J., a corporation of Delaware
Application November 26, 1935, Serial No. 51,616
13 Claims. (Cl. 122—1)



1. A unitary intermediate liquid high pressure steam generator comprising a boiler shell having an internal combustion chamber submerged in the intermediate liquid, fire tubes extending from the combustion chamber through the boiler below the intermediate liquid level, water tubes in the vapor space of the boiler above the liquid level, and steam superheater tubes in the fire tubes connected to receive same from the water tubes.

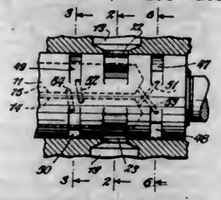
8. A steam generating system comprising an intermediate liquid boiler, heating means for the liquid in said boiler, steam generating means in contact with the vapor of said intermediate liquid, means responsive to the pressure of the vapor of said intermediate liquid operable to control the rate of heating of said liquid to maintain a substantially constant vapor pressure irrespective of the rate of steam generation, a steam and water circulating system connected with said steam generating means, and means responsive to the steam pressure operable to regulate the admission of water to a part of said system containing steam to maintain a substantially constant steam pressure.

2,205,912
RUBBER HEEL
Charles F. Snyder, Pittsburgh, Pa.
Application December 31, 1938, Serial No. 248,743
1 Claim. (Cl. 36—59)



A rubber heel for shoes having a tread surface provided with a flat marginal wear-resisting portion located at the outer rear portion of the heel and provided with another flat marginal wear-resisting portion and located at the breast inner corner spaced from the first mentioned wear-resisting portion, diagonally disposed ribs and grooves extending from the breast and outer edge of the heel rearwardly and inwardly toward the inner edge substantially across the tread surface, said ribs and grooves located between the wear portions and covering the balance of the tread surface between the said wear-resisting portions.

2,205,913
PUMP
Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Co., Piqua, Ohio
Application February 4, 1938, Serial No. 188,617
8 Claims. (Cl. 103—161)



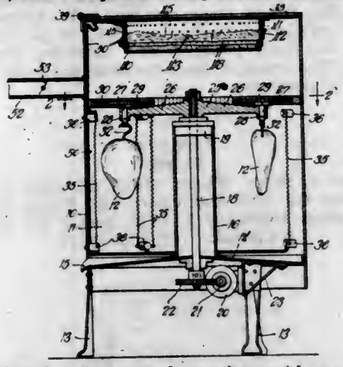
2. In a pump of the rotary piston type in which a timing shaft and a cylinder block are disposed in concentric relation to one another and relatively rotatable one upon the other, with the shaft having spaced inlet and discharge ports, the improvement in the shaft thereof which comprises an auxiliary groove in the side of the shaft opposite to and spaced longitudinally from the discharge port, of such maximum practical depth and circumferential length that when a fluid under a pressure at least approximately equal to that in the discharge port is admitted to such groove, it will create an internal, expanding pressure on the side walls of the groove and thereby create a substantial bending moment counter to that developed in the shaft at the discharge port, and a passage connecting said groove to said discharge port so as to subject said groove to the fluid pressure in said discharge port.

5. In a radial piston type pump, in which the hub has high and low pressure ports opening through the surface of the hub at circumferentially spaced points, the improved method of reducing any deviation of the hub from a straight condition by fluid pressures in said high pressure port, which comprises creating in said hub on opposite sides of, longitudinally of the hub, but adjacent the opening of, said low pressure port, and approximately diametrically opposite from said high pressure port, substantial internal expanding forces tending to create bending moments opposing those created in said hub by fluid pressure in said high pressure port, of such amount that they substantially offset as nearly as practical, any bending of the hub adjacent the high pressure port by the fluid pressure in that port.

2,205,914
BARBECUING APPARATUS
Allen D. Stafford, Chicago, Ill.
Application October 24, 1938, Serial No. 236,642
1 Claim. (Cl. 53—5)

Apparatus for barbecuing articles of food comprising a housing defining a chamber open at one end, a cover pivoted to said housing for closing said chamber, heater means within said chamber for supplying a roasting or barbecuing heat,

means for supporting the articles of food within said chamber and for turning the same around said heater means and about their own axes, receptacle means disposed in said chamber and suspended from said cover for holding flavoring means, said receptacle being removable from said



chamber by the act of opening said cover, and igniter means for burning said flavoring means to create a relatively dense fog or smoke for flavoring the articles of food as same are subjected to the roasting or barbecuing heat from said heater means.

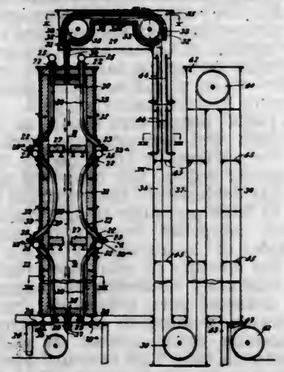
2,205,915

METHOD AND APPARATUS FOR ANNEALING STRIP

Raymond J. Wean, Warren, Ohio, and John D. Keller, Pittsburgh, Pa., assignors to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio

Application February 9, 1939, Serial No. 255,430

6 Claims. (Cl. 263—52)



4. Apparatus for treating strip comprising a heating tower having a plurality of superposed banks of radiant tubes mounted on opposite side walls thereof effective to heat strip traveling vertically in strand form, each of said tubes having a curved end penetrating said walls, a cooling duct adjacent said tower having means for conducting strip vertically therethrough in strand form, said duct being spaced laterally from said tower by a distance sufficient to permit endwise withdrawal of the tubes from the adjacent side wall of the tower, and a preliminary horizontal cooling chamber extending from the upper end of the tower to the upper end of the duct.

5. In a method of annealing strip, the steps including advancing the strip longitudinally along a predetermined path, radiating heat to the strip in a portion of its path from a plurality of points closely spaced across the width of the strip and lying substantially in a plane parallel thereto, and so controlling the radiation of heat to the strip that a greater amount is delivered adjacent the edges thereof than adjacent the middle.

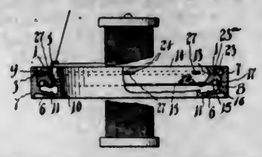
2,205,916

SPINNING RING FOR SPINNING MACHINES

Roy Ziegler, Galt, Ontario, Canada

Application February 4, 1939, Serial No. 254,555

6 Claims. (Cl. 57—120)



1. In a spinning ring adapted to be used with a bar traveler having depending legs and inwardly offset and outwardly and upwardly facing hooks at the lower ends of the legs, the combination of the traveler ring formed with an upper bearing surface within the ring adapted to engage the upper parts of the legs of the bar traveler and with an inwardly and downwardly facing lower bearing surface adapted to engage the middle portions of the hooks of the bar traveler substantially directly beneath the upper parts of the said legs; a holder for said ring; and an inner wall on said holder forming an annular groove between the traveler ring and said wall around which the traveler bar travels.

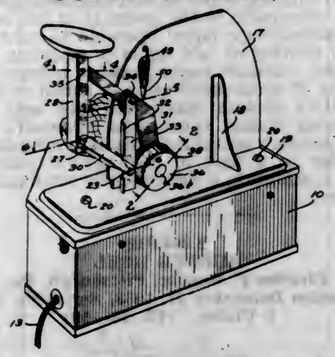
2,205,917

EGG WEIGHING SCALE

Benjamin Zimmer, Minneapolis, Minn.

Application April 8, 1938, Serial No. 200,894

4 Claims. (Cl. 265—61)



1. In a device of the kind described, a base, a dial secured to and projecting upward from said base and marked to indicate the different weights, an indicator arm in the form of a lever intermediately pivoted to and working over the graduated dial at the front face thereof, a weighted lever intermediately pivoted at the back of said dial, said indicator and weighted lever having ends projecting beyond the dial at different altitudes, and a stem pivotally supported by the projecting ends of said levers and having means adapted to hold an egg.

2,205,918

JEWELRY

Ralph C. Bangs, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y., a corporation of New York

Application February 25, 1938, Serial No. 192,459

1 Claim. (Cl. 40—142)



An ornamental device comprising a frame made of resilient material and having a plurality of separate slots which are spaced from each other, the height of each slot being less than the width thereof so that each slot has a longitudinal axis which is parallel to the long sides of said slot, the longitudinal axes of said slots being coincident, ornamental members, each said ornamental member having a head extending laterally and rearwardly therefrom, each said head comprising laterally spaced head portions and an intermediate reduced portion, the resilient walls of said slots engaging said heads and said reduced portions and frictionally holding said ornamental members in partially overlapping relation, the width of each slot being greater than the width of the respective reduced portion, each reduced portion being slidable in the respective slot in a direction parallel to the long sides of the respective slot, the inner surfaces of the walls of said slots substantially abutting the respective adjacent surfaces of the respective reduced portion.

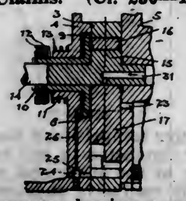
2,205,919

UNLOADING COMPRESSOR

William H. D. Brouse, Toronto, Ontario, Canada

Application April 14, 1938, Serial No. 201,919

10 Claims. (Cl. 230—138)



3. In a compressor having a member formed with a compressor chamber and a side wall and a rotary compressor element operable in said chamber in peripheral sealing relation to a wall of the compressor chamber, an end wall for said chamber movable independent of said compressor element into and out of sealing relation to the said side wall of said first-mentioned member to load and unload the compressor, means responsive to the operation of the compressor for moving said end wall into sealing relation to said side wall, and means for breaking said sealing relation at the end of said operation.

2,205,920

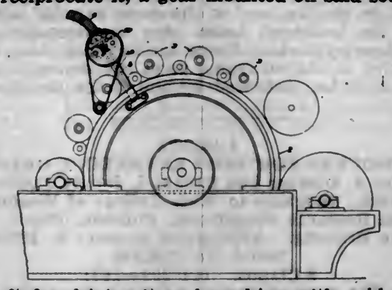
DRIVING MECHANISM FOR WOOL CARD STRIPPERS

Ernest Clark, Brockton, Mass.

Application December 10, 1937, Serial No. 179,035

6 Claims. (Cl. 19—109)

1. In a vacuum stripping mechanism for roll cards, the combination with a stripper head, a stripper nozzle carried by said head, and means supporting said head for traversing movement across the machine, of driving means for said head comprising a shaft, a pulley on said shaft, a pinion revolving with said pulley and driven thereby, a second shaft connected with said head to reciprocate it, a gear mounted on said second



shaft for driving it and meshing with said pinion to be driven thereby, and means supporting said shafts in operative relationship to each other and to the supporting means for said head.

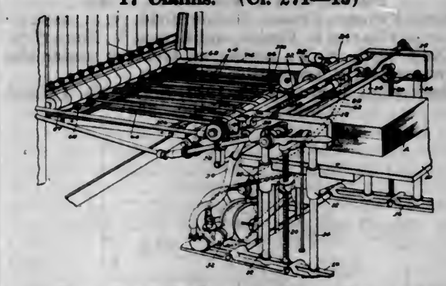
2,205,921

SHEET FEEDING MACHINE

Charles E. Clarke, Winchester, Mass., assignor to The Lindbladh Corporation, Boston, Mass., a corporation of Massachusetts

Application September 24, 1938, Serial No. 231,495

17 Claims. (Cl. 271—13)



1. In a sheet feeding machine, the combination with an endless conveyor, of supporting means over which said conveyor operates at one extremity, a plurality of rolls over which the conveyor runs at its opposite extremity, and means arranged to vary the angles of the axes of said rolls.

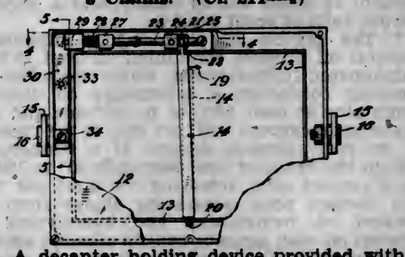
2,205,922

DECANTER HOLDING DEVICE

Andrew Cravaritis, New York, N. Y., assignor to National Silver Deposit Ware Co., Inc., New York, N. Y., a corporation of New York

Application October 26, 1936, Serial No. 107,651

8 Claims. (Cl. 211—4)



1. A decanter holding device provided with a base and a U-shaped frame pivoted to a base

frame, a cross bar in the base frame adapted to separate two decanters from each other, a pivot means for holding one end of the cross bar to the base frame, and means in the base frame actuated by the free end of the cross bar, for latching the U-shaped frame over the decanters in position on the base frame and for unlatching the pivoted U-shaped frame upon the movement of the cross bar, actuated by one of the decanters.

2,205,923

PROCESS FOR CONCENTRATING ORES

Henry A. Doerner and Dwight L. Harris, Pullman, Wash., assignors to State College of Washington Research Foundation, Pullman, Wash.

No Drawing. Application January 9, 1939, Serial No. 249,895

8 Claims. (Cl. 209—167)

1. The method of concentrating magnesite ore by flotation which comprises treating a water suspension of the comminuted ore in two steps: first, agitating and aerating the pulp with a cationic collector to produce and remove a froth containing chiefly siliceous impurities; second, agitating and aerating the remaining pulp with oleic acid to produce and remove a froth containing magnesite.

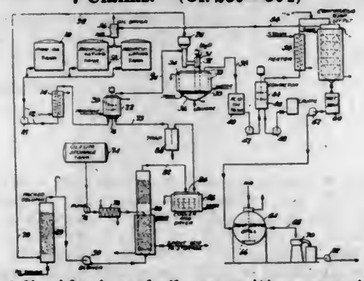
2,205,924

LIQUID MINERAL OIL SULPHONATES AND PROCESS OF MANUFACTURE

Alfred Putnam Frame, Haddonfield, N. J., assignor to Charles E. Foster and Ernest V. Moncrieff, New York, N. Y., acting as trustees under the name of Oil Specialties Trustees

Application February 25, 1937, Serial No. 127,675

7 Claims. (Cl. 260—504)



1. A liquid mineral oil composition comprising a solution of about 50% by volume of SO_3 refined lubricating oil and about 50% by volume of oil and water soluble mineral oil sulphonate-sulphate derivatives, said composition being soluble to a substantially clear solution in water, and the sulphonate-sulphate portion of the composition having an average molecular weight of 400–425, an average C—H ratio of about 1:1.3–1.5, a sulphur content of about 7% by weight, and a sulphur-oxygen ratio of about 1 to 3½.

7. The process of producing a sulphonated mineral oil product containing at least 25% of sulphonated hydrocarbons, which comprises intimately contacting a lubricating oil distillate containing at least 50% of naphthenic and aromatic hydrocarbons with dry SO_3 in the presence of an inert gaseous diluent at a temperature within the range of approximately 60° to 100° F. in a contact zone, removing the inert gas from the contact zone, separating sludge from the treated oil, neutralizing and hydrolyzing the treated oil with aqueous caustic alkaline solution and separating the resulting sulphonated product from any unreacted oil.

2,205,925

FAT SOLUBLE VITAMIN CONCENTRATE

Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

No Drawing. Application August 24, 1935, Serial No. 37,751

3 Claims. (Cl. 167—81)

1. As a new composition of matter, a concentrate of vitamin A which is obtainable from naturally occurring animal oils and fats and which contain the vitamin A substantially entirely in ester form and in the same chemical state in which it occurs in the natural oils, said concentrate having a vitamin concentration much higher than that of the raw oil and being substantially free of other constituents of the oil which are separatable by subjecting the raw oil to high vacuum distillation at a pressure below .1 mm.

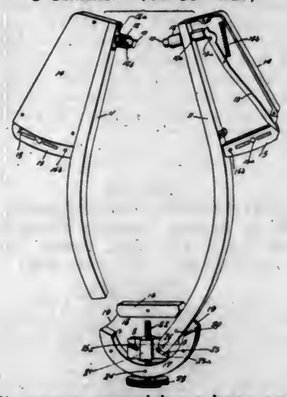
2,205,926

BITE GAUGE

Joseph E. Kovats, Chicago, Ill.

Application April 18, 1938, Serial No. 202,635

3 Claims. (Cl. 33—148)



1. A bite gauge comprising a base, spaced arms each pivotally connected at one end to said base and being free at the other end, means mounted on said base in operative engagement with said arms for providing micrometer adjustments of the space between the free ends of said arms, spring controlled opposed plungers carried at the free end of said arms and a visual indicating device for each arm adapted to indicate the movement of said plungers.

2,205,927

ELECTRIC SWITCHING SYSTEM

Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application October 25, 1938, Serial No. 236,834

9 Claims. (Cl. 191—38)



1. In an overhead trolley system for operating trolley buses using two current collectors and street cars using one current collector in combination, a positive and a negative trolley wire, one wire grounded, an overhead frog provided with a movable tongue associated with the positive wire, a branch wire leading from the frog, the tongue adapted to guide a current collector of either the bus or the street car along separate predetermined paths while passing across the frog, electrically operated mechanism associated with the frog to move the tongue to either its straight through position or to its branch position, means to yieldingly hold the tongue in a predetermined position, electrical contacts associated with the negative wire and to be engaged and energized only by a current collector on a passing bus to control the operation of the electrically operated mechanism, the contacts being so connected to the said mechanism and being so positioned relative to the frog that one contact is engaged prior to the engaging current collector passing the frog and the other contact being engaged after the collector passes the frog whereby the engagement of the aforesaid bus collector with the leading contact moves the tongue to guide the other bus collector across the frog in the path it should take and moves the tongue to the position to guide the collector on the street car across the frog in the path it should take when the bus collector engages the other contact, the system operating automatically when the bus collector engages either contact and independent of any act by the vehicle operators.

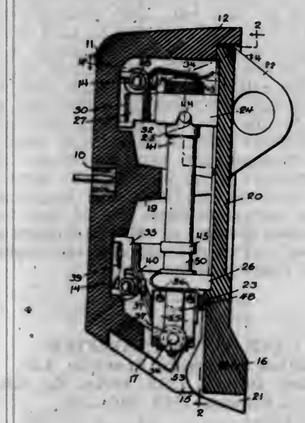
2,205,928

FUSE CUTOUT

Edwin M. Meyer, Parkersburg, W. Va., assignor to Porcelain Products, Inc., Findlay, Ohio, a corporation of Ohio

Application March 25, 1935, Serial No. 12,971

12 Claims. (Cl. 200—114)



1. A fuse cutout comprising a housing, a cover hinged to the housing and adapted to swing open by gravity, a recessed collar attached to the cover, a spring clip on the cover spaced from the collar, a sleeve held by said clip, a fuse-tube slidable in said sleeve, a ferrule on one end of the tube, lugs on the ferrule extending transversely beyond the collar and seated in the recesses thereof, latches mounted within the housing and engaging said lugs, resilient means on the tube for impelling it to move relatively to the sleeve and to release the lugs from the latches, and means to control said resilient means.

2,205,929

PENCIL ATTACHMENT

James R. Musgrave, Shelbyville, Tenn.; The Peoples National Bank, Shelbyville, Tenn., and The Third National Bank, Nashville, Tenn., administrators of said James R. Musgrave, deceased, assignors to Musgrave Pencil Company, Inc., a corporation of Tennessee

Continuation of applications Serial No. 24,735, June 3, 1935, and Serial No. 107,304, October 24, 1936. This application May 2, 1938, Serial No. 205,632

1 Claim. (Cl. 120—38)



A pencil attachment made of thin resilient metal comprising a tube adapted to receive a pencil of slightly larger diameter than the internal diameter of the tube, a narrow longitudinal slot extending through the major portion of the length of the tube and tapering inwardly to the open end of the tube and provided at its inner end with an enlarged circular terminal close to the inner end of the tube, an outwardly projecting circumferential rib at about the junction of slot and circular terminal and extending to both edges of the slot, a second outwardly projecting circumferential rib between the first rib and the open end of the tube and extending to both edges of the slot, sharp inner edges to the recesses underlying both ribs extending circumferentially about the inner surface of the tube, an inwardly extending circumferential rib above the circular terminal and at the inner end of the tube and forming a pencil stop and a reinforcement for the tube, an integral outwardly flaring band above the last mentioned rib and reinforcing the tube especially at its upper end, an eraser socket extending above the band and extending laterally of a line continued upwardly through the slot, and means in the eraser socket to engage and hold an eraser.

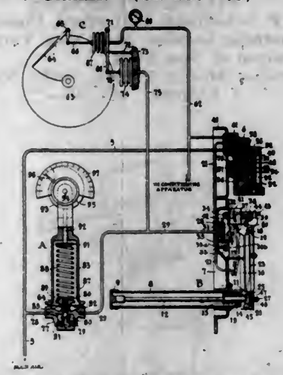
2,205,930

PNEUMATIC CONTROL SYSTEM

Carl A. Otto, Milwaukee, Wis. assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 27, 1939, Serial No. 258,804

7 Claims. (Cl. 236—79)



1. In a pneumatic telemetering system a source of pressure fluid; a pneumatic controlling device connected to said source and adapted to deliver

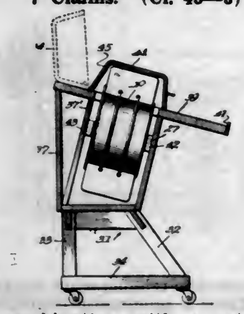
pressure variable relative to a control point, said device having an adjustable control point determining the point at which said pressure varies; a pneumatic recording device arranged to record quantitatively the variable pressure delivered by said device and having relatively adjustable indicating elements; and means for simultaneously adjusting the control point of said device and readjusting said indicating elements relatively, to make the indications of said recording device correspond to the control point of said controlling device.

2,205,931
STRAIGHT LINE WELDING
Carl Pfanstiehl, Highland Park, Ill., assignor to Pfanstiehl Chemical Company, a corporation of Illinois
Application September 2, 1938, Serial No. 228,223
2 Claims. (Cl. 219—10)



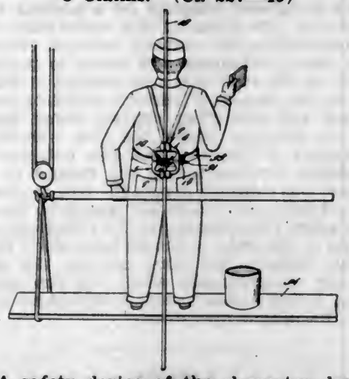
1. The method of attaching a small, relatively high melting point metallic tip to a base which comprises bringing tip and base into lightly pressed contact, the cross sectional areas of the tip and base at the contacting surface being substantially identical, and each welding surface being substantially flat, but at least one being provided with an almost imperceptible curvature whereby a line contact is formed centrally of the surfaces leaving a small void increasing in depth toward the edges of the abutting surfaces, passing an electric welding current through the tip and base to melt just enough base metal to fill the voids and produce a substantially plane contact without melting any of the tip and without forming any extrusion beyond the initial cross sectional areas of the tip and base, the contacting surfaces so enormously increasing in area upon melting of the base metal that the current density is greatly reduced and metal is no longer heated to melting temperature.

2,205,932
FILING APPARATUS
Richard P. Scholfield, Waterford, Conn., assignor to Scholfield Service, Inc., New York, N. Y., a corporation of New York
Application March 7, 1936, Serial No. 67,710
7 Claims. (Cl. 45—3)



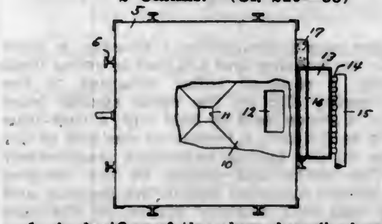
1. The combination with a rotatable filing drum having means for carrying a plurality of cards upon its periphery, of a support, said support comprising an axle upon which the drum is journaled, and means for supporting said axle on an axis inclined upwardly and rearwardly between the horizontal and the vertical.

2,205,933
LIFE-LINE RATCHET
Manuel Silvia, Newark, N. J.
Application December 1, 1939, Serial No. 307,161
5 Claims. (Cl. 227—49)



1. A safety device of the character described comprising a two-part frame, said parts being complementarily formed at opposite sides of the frame to provide guides for a life-line, shank members pivoted intermediate their ends to two other sides of the frame, jaws on the inner ends of said shanks provided to accommodate the life-line trained therebetween, said jaw members being pivoted at one end, and complementarily equipped at the end opposite to said pivot for securing said jaws in closed condition, each of said jaws having a toothed element connected therewith for engaging the life-line, and a belt-accommodating loop pivotally connected to the free end of one of said shanks, one of said toothed members being substantially semi-cylindrical in cross-section, and the other of said toothed members being substantially semi-cylindrical in cross-section and also longitudinally curved, the last-mentioned one of said toothed members being pivoted at one end thereof to one of said jaws and at the opposite end thereof to one of said frame members.

2,205,934
CANE JUICE CLARIFIER
Ashton K. Smith, Franklin, La.
Application June 8, 1939, Serial No. 278,161
2 Claims. (Cl. 210—58)



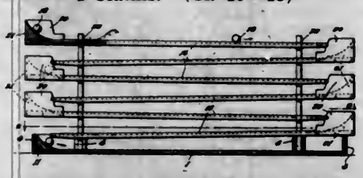
1. A clarifier of the class described comprising a main tank having an inclined bottom converging toward the center, a sediment trap depending from the center of said bottom, baffles coextensive with said bottom and spaced vertically in the tank in parallelism with the bottom, spouts depending from the center of the baffles, a scum chamber at one side of the tank communicating with the interior of the tank above each baffle, a feed pipe for the chamber, discharge pipes connected to the tank above each baffle and a vertical baffle in said chamber having its lower edge spaced above the bottom of the chamber.

2,205,935
LEVELING ATTACHMENT FOR LADDERS
Nils E. Stenroos, New Rochelle, N. Y.
Application May 2, 1939, Serial No. 271,359
6 Claims. (Cl. 228—64)



1. The combination with a ladder including rungs and provided with transversely alined seating recesses, of a supporting frame having reduced end portions fitting in said seating recesses, a leveling member pivotally mounted for swinging movement on the frame, a hook detachably engaging the adjacent rung of the ladder, springs forming a connection between the hook and the supporting frame, and means for holding the leveling member in a set position of adjustment on said frame.

2,205,936
GAME
Daniel J. Sullivan, Graniteville, Mass.
Application July 5, 1938, Serial No. 217,513
4 Claims. (Cl. 46—43)



1. A game apparatus comprising a base, cross bars in said base, supports adapted to be removably engaged with and supported in an upright position by said cross bars, runways removably supported by said supports in position over each other and each sloping towards one end with its lower end disposed over the high end of a runway under it, and freely movable objects adapted to roll down the runways from one to another and be discharged from the lower runway onto the base, said cross bars being formed with recesses leading from their upper faces to receive portions of the runways when the runways are disposed longitudinally in the base in inoperative position.

2,205,937
DISPLAY SIGN
Harry G. Sullivan, De Land, Fla.
Application November 4, 1938, Serial No. 238,870
1 Claim. (Cl. 40—34)



An advertising display comprising a rotatable base member of a neutral color, a plurality of discs freely rotatable on said base member, each of said discs divided into corresponding color segments and each disc having different colors in each segment, advertising indicia on each segment of the same corresponding color, a shaft extending through the base member, said base member being freely rotatable on said shaft, each disc so arranged that the corresponding color segment is in the same relation to the color segment on the other discs, a perforated strip extending across the face of the base member and secured to the display, said strip being perforated in the form of advertising indicia, means for engaging each disc to cause the same to rotate in positive relation to each other, means for positively rotating said base member, the rotation of said base member setting in motion the discs carried thereby and at a slower speed than said base member resulting in definite colors and advertising indicia, said advertising indicia appearing on the color segments cooperating with the advertising indicia appearing on the strip to give information.

2,205,938
LIQUID DISPENSING DEVICE
Lawrence T. Ward, East Orange, N. J., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application July 13, 1939, Serial No. 284,351
15 Claims. (Cl. 221—74)



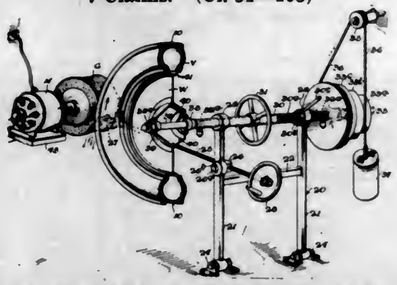
1. A dispensing device comprising a casing, an open-ended chamber formed in the casing, a pair

of aligned piercing pins slidably mounted in said chamber and being oppositely directed towards respective ends of the chamber, one pin being provided with an axially extending chamber, the other pin being freely slidable within said axial chamber, a gas passage extending through each pin, means for supporting a container to be pierced at each opposite end of the casing and a discharge nozzle operably associated with the casing to dispense a fluid from one of the containers.

2,205,939
APPARATUS FOR RETREADING VEHICLE TIRES

Paul D. Wilson, Danville, Ill.

Application December 15, 1938, Serial No. 245,973
7 Claims. (Cl. 51—105)

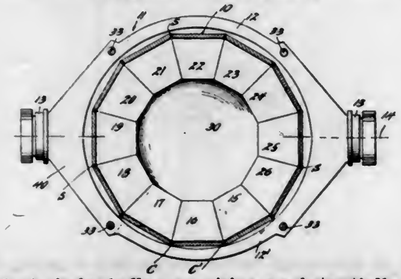


1. In an apparatus for retreading vehicle tires in combination, a wheel member mounted for rotation about a horizontal axis, said wheel being adapted to mount and hold thereon and there around a tire to be retreaded, a rotary member for removing material from the tread of a tire mounted on said wheel member, said rotary material, removing member being mounted for rotation about a horizontal axis parallel to the axis of rotation of said wheel member and being disposed spaced radially from but transversely of the periphery of said wheel member and adapted for tread material removing association with the tread of a tire mounted on said wheel member, means for rotating said material removing member, and gravity actuated means for applying a rotating force of constant magnitude to said wheel member to revolve a tire mounted on said wheel member to feed the tire tread past the rotary tread material removing member with the latter in operative association with the tire tread.

2,205,940
LADLE

Carl P. Astrom, East Orange, N. J., assignor to M. H. Treadwell Co., Inc., New York, N. Y., a corporation of New York

Application May 2, 1939, Serial No. 271,405
2 Claims. (Cl. 266—39)

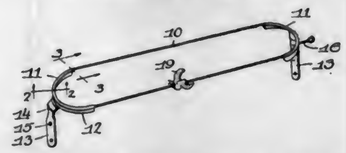


1. A cinder ladle comprising a substantially circular bail tiltable about a horizontal axis intersecting said ladle, a ladle body projecting through and encircled by said bail, the ladle body having, in the plane of the bail, a diameter slightly smaller than that of the bail and the ladle body being so supported on the bail that it can slide normally to the axis of tilt into contact with the bail when the ladle is dumped, the portions of said ladle body adjacent to and intersected by said axis of tilt being of relatively light section, and a portion of said ladle body adjacent said point of contact and circumferentially spaced from said portions of lighter section being reinforced, for the purpose set forth.

2,205,941
MONORAIL TOY

John J. Clark, Des Moines, Iowa

Application September 28, 1938, Serial No. 232,185
1 Claim. (Cl. 46—77)

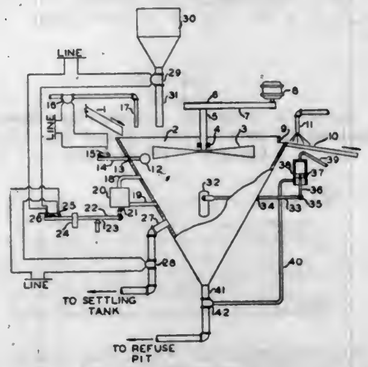


In a flying toy, a closed loop of track of flexible material having stiffening supports at opposite ends, whereby said supports may maintain said flexible tracks under the necessary tension, said supports comprising inverted U-shaped members to receive said flexible track and curved to form the ends of said track, and a handle received between the arms of each U-shaped member.

2,205,942
METHOD OF WASHING COAL

Walter M. Cross, Jr., Kansas City, Mo.

Application December 23, 1935, Serial No. 55,807
4 Claims. (Cl. 209—173)

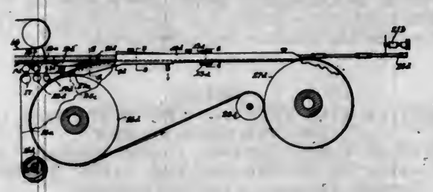


1. The method of washing coal which comprises introducing raw coal into an aqueous medium consisting of water and Wyoming bentonite and having a specific gravity less than that of coal and having a viscosity which substantially floats the coal alone and creating a circulating movement in the aqueous medium to an extent such that the coal is held in suspension while the impurities associated with the coal sink to the bottom of the aqueous medium.

2,205,943
APPARATUS FOR MANUFACTURE OF TOBACCO ARTICLES

Glenn Davidson, Aurora, Ill.

Application May 14, 1936, Serial No. 79,776
6 Claims. (Cl. 131—95)

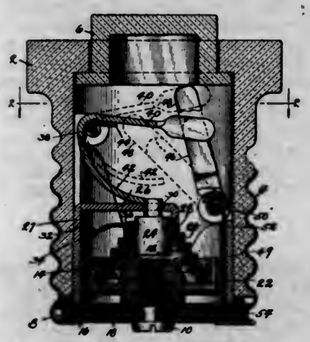


1. In apparatus of the character described, a sealing and closing device having a spiral lip located interiorly thereof to wrap a band about a cigarette, a suction belt adapted to carry such band into said device and a suction box located below said belt and forward of said device, said lip extending above said belt and at one side of said box.

2,205,944
CIRCUIT CONTROL DEVICE

Russell P. Dunmire, Alliance, Ohio

Application June 8, 1937, Serial No. 146,983
5 Claims. (Cl. 200—88)



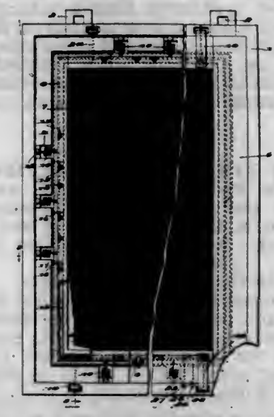
1. In combination a quick-break switch, a plunger for latching the same in closed position, and a coil for said plunger comprising a thermomagnetically operated coil for actuating said plunger by the thermostatic action or the magnetic action of said coil to unlatch said switch.

2,205,945
BURGLAR ALARM

Rufus B. Estes, Knoxville, Tenn.

Application June 11, 1938, Serial No. 213,272
6 Claims. (Cl. 200—52)

1. A circuit closure for a burglar alarm comprising a frame adapted to surround a building opening, a sheet of screen wire within said frame adapted to cover said building opening, a binding strip enclosing the peripheral edges of the screen wire and having an offset shoulder portion, said frame having a groove receiving said binding strip, a plurality of springs attached to the frame and to the binding strip for stretching the screen wire over the opening, and circuit closing means on opposite sides of said shoulder portion for



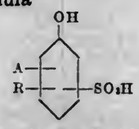
closing an alarm circuit upon relative movement of a portion of the screen and frame.

2,205,946
ALKYL PHENOL SULPHONATES

Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

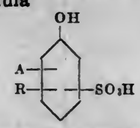
No Drawing. Application September 26, 1933, Serial No. 691,081. Renewed October 25, 1939
25 Claims. (Cl. 260—512)

1. An alkyl phenol sulphonate which in the form of the free sulphonic acid corresponds with the general formula



in which R represents an alkyl hydrocarbon chain containing at least 12 carbon atoms and A represents a member of the group consisting of hydrogen and the methyl radical.

2. An alkyl phenol sulphonate which in the form of the free sulfonic acid corresponds with the general formula



in which R represents an alkyl hydrocarbon chain containing 12 to 23 carbon atoms and A represents a member of the group consisting of hydrogen and the methyl radical.

2,205,947
NUCLEAR ALKYL DERIVATIVES OF PHENOL COMPOUNDS

Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 25, 1935, Serial No. 42,155
36 Claims. (Cl. 260—512)

1. A method of producing a nuclear alkyl derivative of a sulfonated phenol, which comprises forming a phenol compound containing a higher alkyl substituent by condensing a phenol com-

pound of the group consisting of phenol and its monomethyl derivatives with a saturated, primary alcohol containing at least 12 carbon atoms with the aid of a condensing agent, the amount of alcohol not exceeding about that required to produce monoalkylation of the phenol compound, and sulfonating the alkylated phenol compound.

2,205,948

PRIMARY ALKYL PHENOL SULPHONATES

Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 25, 1935, Serial No. 42,157
19 Claims. (Cl. 260—512)

1. A sulphonated nuclear monoalkyl derivative of phenol and its mono-methyl derivatives, useful as a detergent, wetting agent, emulsifying agent and the like, having at least 11 carbon atoms in an alkyl radical linked to the phenol nucleus by a methylene group.

2,205,949

ALKYL HYDROXY AROMATIC SULPHONATES

Anthony M. Schwartz, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 26, 1933, Serial No. 691,088
27 Claims. (Cl. 260—512)

1. An alkyl hydroxy aromatic sulphonate in which the alkyl, hydroxy, and sulphonate groups are nuclear substituents and the alkyl group contains at least 9 carbon atoms.

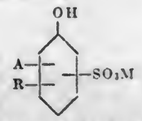
2,205,950

EMULSIONS, SUSPENSIONS, AND LIKE DISPERSIONS

Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 25, 1935, Serial No. 42,162
13 Claims. (Cl. 252—6)

3. In the production of aqueous emulsions, suspensions and like dispersions of liquid and solid substances of low water solubility, the improvement which comprises forming a mixture of one of said substances with an aqueous medium in the presence of an alkyl phenol sulfonate having the general formula



in which A represents hydrogen or a methyl group, R represents an open-chain hydrocarbon radical containing at least 12 carbon atoms, and M represents hydrogen or a metal or an ammonium or organic ammonium radical.

2,205,951

METHOD OF PRODUCING NUCLEAR ALKYL DERIVATIVES OF PHENOLS

Jack D. Robinson, Snyder, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 26, 1935, Serial No. 42,358
17 Claims. (Cl. 260—624)

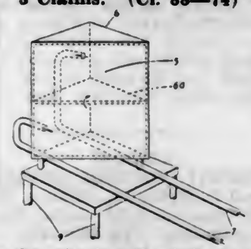
1. The method of producing nuclear alkyl derivatives of phenols, which comprises heating at a condensation temperature a reaction mixture containing a phenol compound selected from the group consisting of phenol and its monomethyl derivatives, an aliphatic monohydric alcohol containing at least 12 carbon atoms, and zinc chloride as a condensing agent, and continuing the heating for a considerable period of time after the reaction mixture becomes turbid.

2,205,952

DEVICE FOR VIEWING THE INTERIORS OF HEATED ENCLOSURES

William Temple Gardner, London, England, assignor to Woodall-Duckham (1920) Limited, London, England, a British company

Application June 20, 1939, Serial No. 280,207
In Great Britain August 3, 1938
3 Claims. (Cl. 88—74)



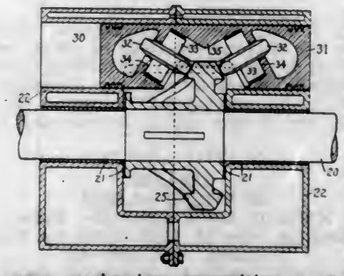
1. Device for viewing the interior of a highly heated enclosure, comprising a metal mirror, a sledge-like carriage adapted to slide on the floor of said enclosure, a support adjustable in height for said mirror on the said carriage, said mirror being mounted on the support at an appropriate angle to enable the desired part of the enclosure to be viewed from the exterior, a jacket on the reverse side of said mirror, and pipes to supply and circulate a cooling fluid through said jacket, said pipes connected to the jacket and extending in front of the mirror at an angle of about 45° to it.

2,205,953

MECHANISM FOR THE INTERCONVERSION OF RECIPROCATION AND ROTATION

Edwin S. Hall, Farmington, Conn.

Application January 18, 1939, Serial No. 251,627
15 Claims. (Cl. 74—60)



1. A cam mechanism comprising a shaft, a cam rotatable with said shaft, cylinders parallel to said shaft with their axes intersecting a pitch circle whose center is on the axis of said shaft, the outside diameter of said cam being less than said cylinder pitch circle, said cylinders being cut away to clear said cam and extending beyond said cam, a piston member operable in each of said cylinders and substantially cylindrical in exterior form and capable (in the absence of said cam) of being passed straight thru said cylinder, said piston member being cut away to clear said cam, cam followers, and bearing means in said piston member for mounting said followers for rotation in position to coact with said cam along lines of loading inclined to said piston member in a manner inducing side-thrust on said piston member acting to push it away from said shaft and against the outward wall of said cylinder.

2,205,954

REFINING CAMPHOR

Clyde O. Henke, Wilmington, Del., and Gastaõ Etzel, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 2, 1936, Serial No. 99,163
4 Claims. (Cl. 260—589)

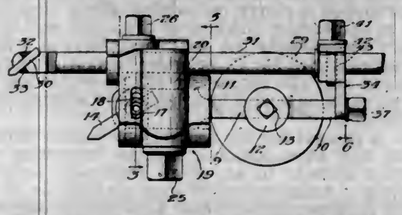
1. A process for refining camphor which comprises treating camphor in solution in an organic solvent having a boiling point below 130° C. with a small proportion of acid condensing agent sufficient to alter the boiling range of impurities present, neutralizing the treated solution of camphor, and subsequently separating the camphor from solvent and altered impurities by fractional distillation.

2,205,955

TOOL-HOLDING MEANS

John T. Hiscock, Chicago, Ill.

Application June 24, 1939, Serial No. 281,020
6 Claims. (Cl. 29—96)



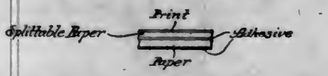
1. Tool-holding means comprising an element, means for holding said element in projecting position on a tool post, a structure extending at one side of said element and having a part between its ends at which it is connected with said element, a cutting-portion at one end and a projecting portion at its opposite end extending alongside of said element, and means engaging said element and said projecting portion for rigidly holding said projecting portion to prevent vibration of the latter.

2,205,956

STAMP AND METHOD OF FORMING

Ferdinand W. Humphner, Oak Park, Ill., assignor to Mid-States Gummed Paper Co., Chicago, Ill., a corporation of Delaware

Application June 26, 1937, Serial No. 150,632
10 Claims. (Cl. 40—2)



2. In a stamp structure of the character set forth, a paper base, water soluble adhesive thereon, and a thin paper print-receiving layer provided with an imprint carried by said adhesive.

2,205,957

HAND SHIELD

Victor M. Kinkis, Newton Falls, Ohio, assignor of one-half to William G. Kinkis, Newton Falls, Ohio

Application April 26, 1939, Serial No. 270,212
4 Claims. (Cl. 2—20)



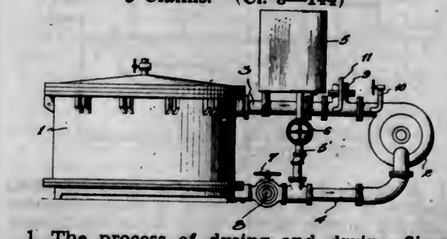
1. As a new article of manufacture, a hand shield comprising a flexible sheet-like body provided with an elongated hand-receiving slot, and said body provided with round non-tearing apertures near the end of said slot, whereby when the length of said slot is increased the ends of said slot will be non-tearing.

2,205,958

PROCESS OF DYEING MASSES OF RAW FIBER AND DRYING THE SAME

Charles R. McGhee, Gastonia, N. C., and James W. Woodruff, Columbus, Ga.; said McGhee assignor to said Woodruff

Application November 18, 1936, Serial No. 111,506
Renewed January 17, 1940
5 Claims. (Cl. 8—144)



1. The process of dyeing and drying fibrous material which comprises confining the material, passing a dye solution therethrough, washing the material by passing therethrough water, dispersing live steam at a pressure insufficient to compress the material through the material from one surface toward the opposite surface whereby a temperature differential and hence a pressure differential is established between said surfaces by the condensation of the steam and the moisture is forced out of the material at the surface opposite to that at which the live steam is introduced and draining said moisture away.

2,205,959

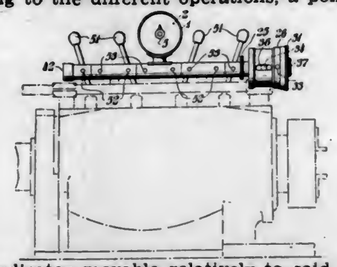
APPARATUS FOR CONTROLLING THE OPERATION OF MACHINE TOOLS USING FIXED OR MOVABLE CUTTERS

Guy Leslie Murray, Leeds, England, assignor to Murray Colour Controls Limited, London, England

Application October 16, 1936, Serial No. 106,000
In Great Britain October 29, 1935
10 Claims. (Cl. 82—34)

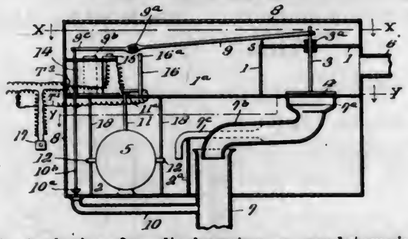
1. An operation indicator for use with a ma-

chine tool having one or more handles for controlling the operation of the machine, said indicator being adapted to facilitate in obtaining the correct settings of the machine control handles to perform a sequence of different operations, indicia on the said operation indicator appertaining to the different operations, a pointer on



the indicator movable relatively to said indicia, said pointer being coupled to mechanism for indicating or determining the positions of the machine control handles, said pointer when set in turn to the different indicia successively indicating or determining the position of the machine control handles.

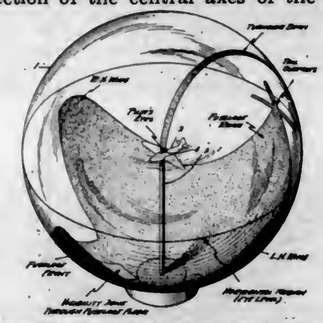
2,205,960
FLUSHING CISTERN
Amrita Ranjan Palit, Calcutta, India
Application April 10, 1939, Serial No. 267,196
In Great Britain April 11, 1938
5 Claims. (Cl. 4—26)



1. A device for discharging a predetermined quantity of liquid comprising a valve chamber holding a portion of the liquid to be discharged, said chamber being open for uncontrolled entry of liquid from a service reservoir or main and having a valve controlled main outlet passage, said valve being operatively connected to an electrical device for opening and maintaining it open, a branch passage in the said outlet for independently supplying a part of the liquid discharged to a separate reservoir, liquid operated mechanism in the said reservoir being operatively connected to means for interrupting the circuit of the said electrical device, whereby when the required quantity of liquid has been discharged through the said main outlet passage, the electrical circuit is broken and the outlet valve is closed.

2,205,961
VISION GLOBE AND METHOD OF ILLUSTRATING VISIBILITY
Albert M. Patterson, Jr., and Nelson S. Riley, Jr., Buffalo, N. Y., assignors to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application September 14, 1938, Serial No. 229,948
6 Claims. (Cl. 35—1)

1. In a device for indicating the range of non-visibility of an observer under actual conditions, the combination of a globe, a scale model of an observation structure positioned at the point of intersection of the central axes of the globe, a



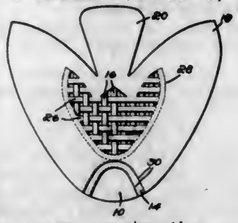
light source positioned at a point on the scale model which corresponds to that occupied by the eye of an observer on the full sized observation structure, so as to cause a shadow on the interior surface of the globe.

2,205,962
RECOVERY OF CARBON DIOXIDE
Gustave T. Reich, Philadelphia, Pa.
Application July 15, 1938, Serial No. 219,444
6 Claims. (Cl. 23—150)

1. A process of isolating carbon dioxide from flue gases which comprises absorbing the carbon dioxide in an alkali carbonate solution until there is produced a slurry containing alkali bicarbonate in suspension, thickening the slurry and thermally decomposing the thickened slurry at a temperature above 50° C. whereby carbon dioxide is evolved and the formation of the double salt of alkali carbonate and bicarbonate is substantially prevented.

6. A process for the recovery of carbon dioxide from flue gases which comprises absorbing the carbon dioxide in an alkali carbonate solution until at a temperature at least as high as 30° C. until a suspension of alkali bicarbonate containing a substantial proportion of solid alkali bicarbonate is formed therein while maintaining the concentration of alkali carbonate and bicarbonate below the point at which the formation of the double salt of alkali carbonate and bicarbonate occurs, and thermally decomposing the alkali bicarbonate with the evolution of carbon dioxide by heating the suspension formed in the absorbing operation at a temperature of from about 50° C. to about 125° C.

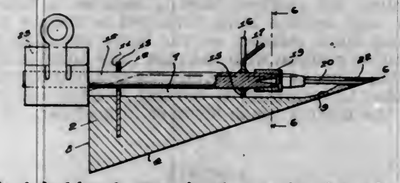
2,205,963
SHOE
Karl A. Stritter, Nahant, Mass.
Application October 12, 1939, Serial No. 299,113
5 Claims. (Cl. 36—3)



1. A shoe upper construction comprising a

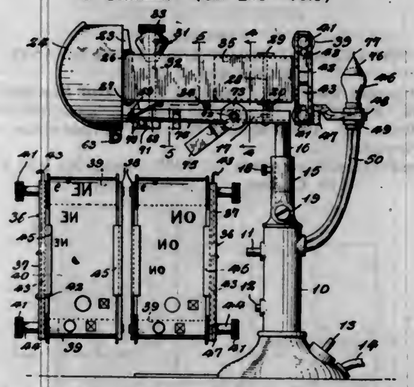
vamp of upper material with transverse cuts extending within its periphery and defining a plurality of transverse straps, and a piece of material secured to the inner face of the vamp and having the shape of the central part thereof with cuts extending forwardly from its throat end and defining a plurality of longitudinal straps, said straps being woven through the transverse straps of the overlying vamp.

2,205,964
SHARPENING DEVICE
William Robert Taylor, Tacoma, Wash.
Application April 27, 1939, Serial No. 270,409
3 Claims. (Cl. 51—221)



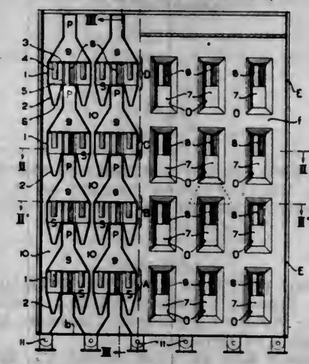
1. A holder for use in sharpening hypodermic needles on a stone comprising an elongated block-like member for reciprocation over the face of said stone and having flat top and bottom faces converging to form a thin front end on said member, a needle operating shaft slidably and rotatably mounted on top of said member parallel with said top and in the longitudinal center thereof for reciprocation thereon and oscillating movement from side to side, said shaft having a front end attachable to the butt end of a needle to secure the same thereto in axially extending position, stop means settable along said shaft for coaction with the rear end of said block to limit reciprocation of said shaft forwardly in selected degree, and a tongue upstanding from said shaft for exerting finger pressure on the shaft forwardly and oscillating the same.

2,205,965
APPARATUS FOR EXERCISING THE EYES
William M. Updegrave, Johnstown, Pa.
Application May 19, 1938, Serial No. 208,893
3 Claims. (Cl. 128—76.5)



1. In a device of the character described, a stereoscope including a pair of tubes swingably connected at one end, the tubes normally occupying a parallel side by side relation, changeable target means at the free ends of the tubes in line of vision through the tubes, an upstanding threaded bolt positioned between the tubes, a cam threadedly engaged with the bolt, the cam having surfaces contacting respective sides of the tubes whereby to impart lateral movement of the tubes upon rotation of the cam, spring means connected between the tubes acting against such movement, a shutter member swingably mounted within each of the tubes, and manually operable means exteriorly of the tubes for actuating the shutters.

2,205,966
DUST COLLECTING PLANT
Hermannus van Tongeren, Heemstede, Netherlands
Application November 5, 1938, Serial No. 239,097
In Germany January 13, 1938
2 Claims. (Cl. 183—34)

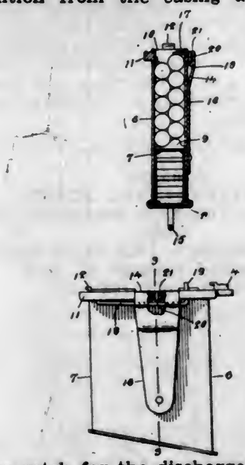


1. A dust collector including a series of dust laden gas inlet ducts and cleaned gas discharge ducts alternately arranged in vertical superimposed relation, said inlet ducts being open at the front and closed at the rear and said discharge ducts being closed at the front and open at the rear, the tops of the inlet ducts and the bottoms of the discharge ducts being juxtaposed, a row of cyclones at each side of the inlet duct, each cyclone having a tangential side inlet communicating with the inlet duct and a cleaned gas outlet communicating with the superimposed discharge duct, and each cyclone also having a dust outlet discharging externally at the sides of the subjacent cleaned gas discharge duct, and a dust receptacle at the bottom of the collector common to superposed cyclones.

2,205,967
RIFLE MAGAZINE
Charles Rex Wise, Charleston, W. Va.
Application March 1, 1939, Serial No. 259,264
6 Claims. (Cl. 42—49)

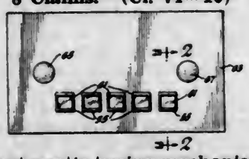
1. In an ammunition magazine, a casing having a discharge throat to extend into the magazine chamber of a gun for a limited distance, means for detachably connecting the casing to the gun, a spring actuated follower in said casing for expelling ammunition therefrom, an inherently resilient catch for retaining the ammunition in the casing during the non-application of the casing to the gun, an inherently resilient spring member secured to the casing and having an angularly disposed end normally projecting beyond the discharge throat of the casing to engage with the gun on the application of the casing to said gun for flexing said spring member, and a lug carried by the spring member

and normally engaging the catch to secure said catch in position for preventing discharge of ammunition from the casing and adapted to



free the catch for the discharge of ammunition by flexing the said spring member on the application of the casing to the gun.

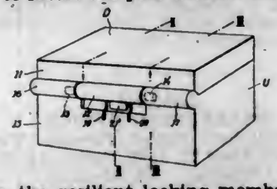
2,205,968
PUSH BUTTON RADIO CONTROL
John O. Almen, Ferndale, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 31, 1939, Serial No. 287,560
8 Claims. (Cl. 74—10)



1. In an automatic tuning mechanism for radio receivers comprising a rotatable shaft operably connected to a tuning device, a helical member in frictional engagement with the shaft and having angularly extending end portions, and means movable at right angles to the shaft into contact with either angularly extending end portion of the helical member to increase its frictional engagement with the shaft and to rotate the shaft in either direction, said means capable of simultaneously contacting both of said angularly extending end portions to stop rotation of said helical member and said shaft in a definite angular position.

2,205,969
HINGE CONNECTION
Alfred Boenecke, Berlin, Germany
Application May 24, 1938, Serial No. 209,795
In Germany June 8, 1937
5 Claims. (Cl. 16—171)

1. In a hinge connection, in combination, a pair of hinge members spaced apart from one another and having bearing slots therein in axial alignment with one another and open at one end, a mating hinge member arranged to enter between the inner ends of said hinge members and having a pin thereon at each end arranged to enter said bearing slots through the open ends thereof and a resilient locking member located between said pair of hinge members and integral therewith so as to extend into the path of the mating hinge member and having at its free end a seating for the mating hinge member, so that on the mating hinge member being moved into position to insert the pins thereon into the bear-



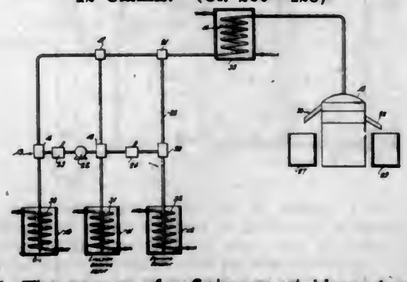
ing slots, the resilient locking member is forced back, said seating being arranged to receive the mating hinge member on the latter reaching its operative position with the pins fully home in the bearing slots, so as to permit the resilient locking member to return to its normal position and retain the mating hinge member in position.

2,205,970
ANIMAL TRAP
Robert C. Burnley, Louisville, Ky.
Application February 11, 1939, Serial No. 255,967
7 Claims. (Cl. 43—76)



1. A trap of the class described comprising a housing having an entrance opening and an exit opening, a treadle member mounted in said housing, a closure gate for said entrance opening, means actuated by the treadle member for closing said gate, a closure gate for said exit opening, means operable by said last mentioned gate for automatically closing the first mentioned gate as said last mentioned gate is opened, a bait box carried within the housing, a closure gate for the bait box, and means operable in unison with said first mentioned gate for automatically closing the gate of the bait box as said first mentioned gate is closed.

2,205,971
PROCESS OF REFINING ANIMAL AND VEGETABLE OILS
Benjamin Clayton, Houston, Tex., and Benjamin H. Thurman, Bronxville, N. Y., assignors to Refining, Inc., Reno, Nev., a corporation of Nevada
Application November 15, 1937, Serial No. 174,720
12 Claims. (Cl. 260—425)



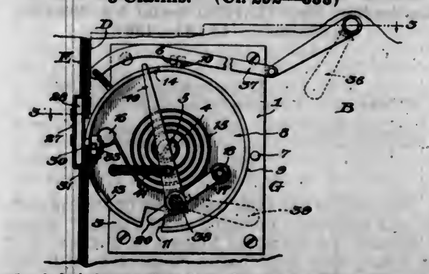
1. The process of refining vegetable and animal oils, which comprises, mixing said oils with a refining reagent at a relatively low temperature which is sufficiently high that the oil is flowable but which is below an emulsion breaking temperature, performing said mixing in the presence of an emulsion opposing or breaking agent so as to immediately produce a mixture of oil and foots conditioned for separation and thereafter centrifugally separating said foots from said oil.

2,205,972
PROTECTIVE DEVICE
Hazel B. Davis, Worcester, Mass.
Application December 13, 1938, Serial No. 245,533
2 Claims. (Cl. 34—26)



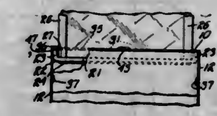
1. A forehead and neck protector for association with a hair dryer of that type having a lower circumferential end extending an appreciable distance beyond the head and which ordinarily subjects the forehead and neck of the user to an intense undesirable degree of heat, comprising, a body of flexible material formed with a substantially centrally disposed head receiving opening defining at one end of said body a hood for attachment over the lower front end of said dryer to protect the forehead of a user and at the opposite end of said body spaced wing sections adapted to be disposed subjacent the lower rear end of said dryer to expose said lower rear end to the atmosphere, said wing sections arranged in overlapping relation with each other and adapted to engage and cover the neck of said user subjacent said dryer whereby to protect said neck from the heat of the dryer.

2,205,973
LATCH MECHANISM
Orvie G. Dennison, Lexington, Tenn., assignor, by direct and mesne assignments, to The Dennison Latch Company, Incorporated, Lexington, Tenn., a corporation of Tennessee
Application February 19, 1938, Serial No. 191,539
5 Claims. (Cl. 292—333)



1. A latch mechanism for use with automobile doors, a pintle on the inner face of the door frame opposite to that to which the door is hinged, a roller carried by the pintle, a substantially cam-shaped rockable keeper head carried by the pintle, means for limiting rocking movement of the keeper head, means to maintain the keeper head in normal position, latching means located between the front and rear sides of the door, the door having an opening, said latching means including a member having an opening which latter in one position of the door registers with the opening of the door and through which both of said openings the keeper head is movable, a cam surface on said member to engage the roller to move the door to its closed position, said rockable keeper head when in its normal position engaging the latching means to prevent opening movement of the door after the initial closing movement of the latter, means to operate the latching means to a position to release the same from the keeper head to permit opening movement of the door, means to hold the latching means in its inoperative position, and other means carried by the holding means for engaging the keeper head, whereby upon engagement of the last named means with the keeper head, the latching means is released for engagement with the roller.

2,205,974
COMPACT
Saul Kramer, Brooklyn, N. Y., assignor of one-fourth to Charles M. Palmer, Washington, D. C.
Application February 5, 1940, Serial No. 317,446
18 Claims. (Cl. 88—97)

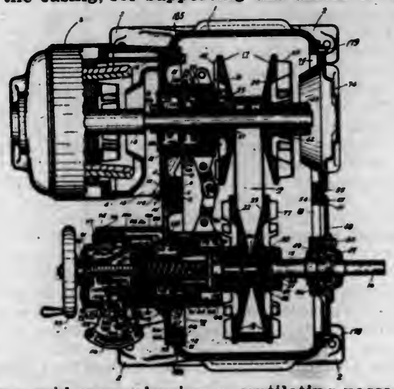


1. As a new article of manufacture, a closure member comprising a wall having a peripheral rim including an opening, an insert having a peripheral rim secured to said first mentioned rim and having a plate spaced from said wall to define a compartment, a slidably guided frame within and movable into and out of said compartment and comprising channeled sides, a mirror retained between said sides and bodily movable with said frame into and out of said compartment through said opening, and a bar sustained by said frame and comprising relatively resilient arms extending laterally beyond said sides and cooperating with the rim of said insert for resisting slidable displacement of said frame relative to said compartment.

2,205,975
VENTILATED VARIABLE SPEED POWER UNIT
Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California
Application February 19, 1934, Serial No. 711,917
16 Claims. (Cl. 74—230.17)

1. In an enclosed variable speed power unit, an electric motor having a shaft, said shaft forming the driving shaft of said variable speed power unit, an adjustable pulley structure mounted on said driving shaft, a driven shaft, an adjustable pulley structure mounted on said driven shaft, a belt in active driving relation to said pulley structures, a casing enclosing said belt and pulley structures, said casing providing a degree of enclosure sufficient to prevent the inadvertent entrance of foreign objects, a load driving means operated by the driven shaft and projecting outside of said casing, and means, joining the motor

and the casing, for supporting the motor on the



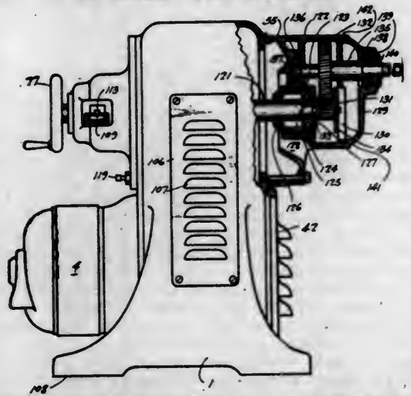
casing, said means having a ventilating passageway for the motor.

2,205,976

VARIABLE SPEED POWER UNIT

Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California

Application October 8, 1934, Serial No. 747,410
13 Claims. (Cl. 74—230.17)



9. In combination, a casing, a variable speed transmission mechanism in said casing, including a horizontal driving shaft and a horizontal driven shaft, as well as means for adjusting the speed ratio of the variable speed transmission, one of said shafts being disposed above the other; a source of power supported by the casing and operatively associated with the driving shaft, and means adapted so to support said shafts, the ratio adjusting means and the source of power, that the relative positions of the shafts with respect to the casing may be interchanged, the source of power and the driving shaft in interchanged position occupying the first position of the driven shaft and the ratio adjusting means.

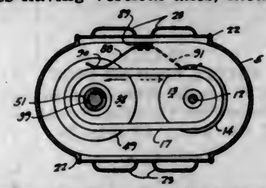
2,205,977

ELECTRIC MOTOR DRIVEN POWER UNIT

Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California

Application October 24, 1934, Serial No. 749,809
12 Claims. (Cl. 74—230.17)

11. In a variable ratio power transmission unit, a casing having a pair of spaced oppositely facing horizontal walls, each of said walls having a pair of supporting surfaces formed thereon, the supporting surfaces formed on each wall being substantially equivalent and horizontally displaced from each other, the pair of surfaces on one wall being substantially opposite to the pair of surfaces formed on the other wall, a driving pulley structure, a driven pulley structure, both of said structures having vertical axes, means for varying the effective diameter of at least one of said structures, a supporting flange associated with the driving pulley structure, a supporting flange associated with the driven pulley structure, said flanges being supported by the aid of the supporting surfaces on the horizontal walls, said flanges and said supporting surfaces providing means whereby the positions of the driving and driven pulleys may be interchanged within the casing.



2,205,978

CHAIR WALKER

Glen B. Hoag, Fullerton, Calif.

Application November 29, 1938, Serial No. 243,020
2 Claims. (Cl. 155—22)



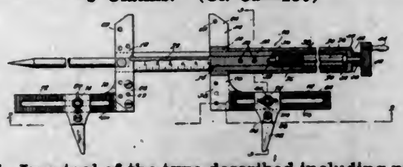
1. A chair as set forth comprising a U-shaped base member, a U-shaped intermediate member, a U-shaped upper member, a seat carried by said intermediate member in the bight thereof, pairs of front posts connecting the free ends of said members together, pairs of posts connecting said members together forwardly of said seat, spindles secured to the bight of said upper and said intermediate members, and spindles secured to the bight of said intermediate and said base members.

2,205,979

COMBINATION TOOL

Frank S. Horechney, Milwaukee, Wis.

Application May 23, 1938, Serial No. 209,576
3 Claims. (Cl. 81—180)



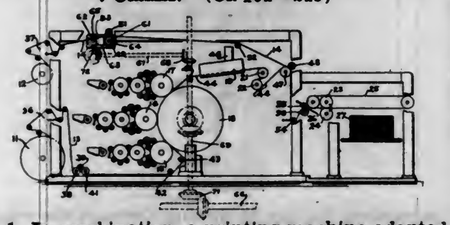
1. In a tool of the type described including parallel and relatively movable supports and means for moving the supports toward and away from each other, bars detachably connected with said supports in right angular relation therewith, said bars being axially aligned and projecting in opposite directions, tool supports mounted on said bars, said bars and the tool supports being provided with cooperating surface irregularities to restrain the tool supports from relative movement on the bars, and means for drawing the tool supports into pressure relation with their respective bars to clamp the tool supports thereon.

2,205,980

PRINTING MACHINE

George M. Keller, Rochester, and Adolph M. Zuckerman, New York, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application May 12, 1937, Serial No. 142,104
7 Claims. (Cl. 101—219)



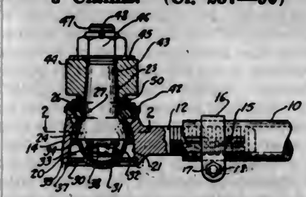
1. In combination, a printing machine adapted to print upon a running web, means to bring the printed web into a position adjacent a running transparent web having a coating of normally inactive adhesive upon its surface that contacts the printed web, and which is adapted to be made active by the application of heat, ink drying mechanism employing heat and arranged to act upon the printed web to dry the ink thereon and to heat the web to a temperature sufficient to activate the adhesive on said transparent web, and means to press the webs together after the adhesive has been activated by the heat from the printed web.

2,205,981

JOINT CONSTRUCTION

Reynold E. Klages, Columbus, Ohio, assignor to The Columbus Auto Parts Company, Columbus, Ohio, a corporation of Ohio

Application September 13, 1938, Serial No. 229,709
3 Claims. (Cl. 287—90)



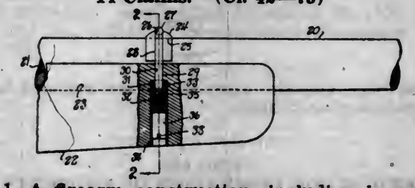
1. In combination, a joint housing having a passage therethrough, a portion of the wall of said passage being of spherical configuration; a stud member having an enlarged segmental spherical portion projecting into the passage in said housing; an annular bearing seat interposed between the spherical portion of said stud member and the spherical interior surface of said housing and movable on said spherical surface in the housing; a semi-spherically shaped element having a hollow interior and forming with the spherically shaped portion of said stud member a ball-like configuration, said semi-spherically shaped member having a laterally projecting equatorial flange normally spaced from said stud member to provide limited relative movement between said stud member and said semi-spherically shaped element; said equatorial flange being arranged to engage said stud member and said annular bearing seat during tilting movements of the stud member; a closure for one end of said housing having a bearing surface in engagement with the semi-spherically shaped element; and means resiliently separating said stud member and said semi-spherically shaped element.

2,205,982

STOCK-AND-BARREL ASSEMBLY FOR FIREARMS

Paul W. Klipsch, Houston, Tex., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware

Application May 11, 1939, Serial No. 273,039
14 Claims. (Cl. 42—75)



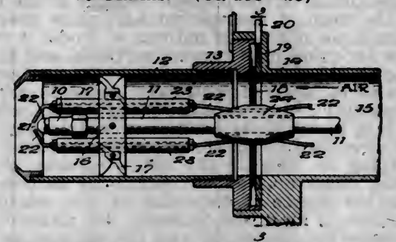
1. A firearm construction, including in combination: a barrel; a stock adjacent the said barrel; a two-armed yoke extending around the said barrel and having spaced-apart side-arms extending into the said stock; spring-means carried by the said stock and drawing downwardly upon the said yoke to, in turn, draw downwardly upon the said barrel; and adjusting means adjusting the downward pull of the said spring-means upon the said yoke to thereby adjust the barrel-seating effect of the said yoke and spring-means.

2,205,983

LIQUID FUEL BURNER APPARATUS

Edwin I. Kraber, York, Pa., assignor to York Oil Burner Co., Inc., York, Pa., a corporation of Delaware

Application November 9, 1939, Serial No. 303,697
6 Claims. (Cl. 158—28)



1. In liquid fuel burner apparatus, the combination comprising, an air supply conduit, an iris diaphragm valve in said conduit for regulating the air flow therethrough, a fuel supply pipe supported within said conduit and passing through said valve, electric ignition leads within said conduit, an insulating holder for said ignition leads supported on said pipe and extending through said valve, said holder having a relatively smooth outer surface to minimize interference with the flow of air through said conduit under control of said diaphragm valve.

2,205,984

RADIATOR

Harry C. Kromas, Hartford, Conn., assignor to The Bush Manufacturing Company, Hartford, Conn., a corporation of Connecticut

Application February 10, 1938, Serial No. 189,821
3 Claims. (Cl. 257—262)

1. A radiator comprising a tube having a fin of V-shape in cross section extending longitu-

dinally of said tube, each branch or leg of said fin being recessed longitudinally intermediate its



free edge and the apex to engage opposed wall portions of said tube.

2,205,985

METHOD FOR DISPERSION OF PIGMENTS IN FILM-FORMING VEHICLES

Alexandre James Lapointe, Louisville, Ky., assignor to Devoe & Raynolds Company, Inc., a corporation of New York

No Drawing. Application May 31, 1935, Serial No. 24,357
13 Claims. (Cl. 134—79)

1. The method of preparing liquid coating compositions which comprises preparing a fluid mass including a solid phase comprising film-forming material at least a portion of which is in a gelatinous state and a liquid phase consisting of an organic liquid of the type used in liquid coating compositions in which said film-forming material remains at least in part in the form of gelatinous particles under the conditions under which the fluid mass is prepared, mixing with the film-forming material a finely ground pigment and conducting such mixing in such manner that such a proportion of the pigment remains in the mass in the form of undispersed aggregates that the mass is not sufficiently uniform to render it available for usual film-forming purposes, and thereafter, without subjecting the mass to a mechanical treatment adapted materially to cause further breaking up of such pigment aggregates, adding to said liquid phase additional organic liquid of the type used in liquid coating compositions and adapted to increase the solvent action of the liquid phase on the said gelatinous particles so that the degree of dispersion of said gelatinous particles is increased, whereby the pigment aggregates are broken up and the pigment is dispersed through the mass.

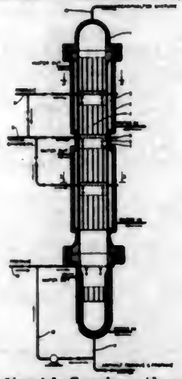
2,205,986

APPARATUS FOR THE COUNTERCURRENT EXTRACTION OF HYDROCARBON OIL WITH A SOLVENT

Theodore A. Mangelsdorf, Charles T. Anné, and Herman I. Wilson, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application December 30, 1938, Serial No. 248,376
6 Claims. (Cl. 196—46)

1. A countercurrent extraction tower adapted for continuous deasphalting of hydrocarbon oil in the presence of a liquefied normally gaseous petroleum hydrocarbon comprising a vertical vessel, a plurality of cellular grids spaced at vertical intervals throughout the vessel, each of said grids comprising a plurality of vertical conduits, said conduits having a relatively large cross-sectional area sufficient to permit non-turbulent flow of liquid therethrough and the length of each conduit being at least ten times the greatest dimension of its cross-sectional area, and means for



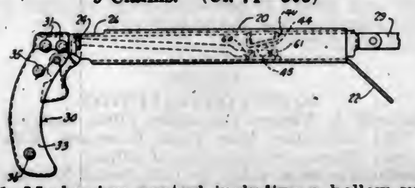
subjecting the liquid flowing through the vessel to agitation within the intervening spaces between adjacent pairs of grids.

2,205,987

MECHANISM CONTROL

Charles S. McCarthy, Toledo, Ohio, assignor to The Logan Gear Company, Toledo, Ohio, a corporation of Ohio

Application April 3, 1939, Serial No. 265,713
9 Claims. (Cl. 74—503)



1. Mechanism control including a hollow supporting member; an element slidably mounted within said supporting member and adapted to be connected to the mechanism to be actuated; said element having a manipulating grip portion connected thereto; means including a clutch roller associated with said element for holding the latter in adjusted position with respect to the supporting member; manipulating means connected to and relatively movable with respect to said grip portion; and means connected to said manipulating means and terminating adjacent said clutch roller for releasing the latter.

2,205,988

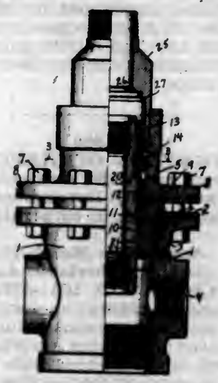
OIL WELL EQUIPMENT

Joseph H. McEvoy and James H. Howard, Houston, Tex., assignors to McEvoy Company, Houston, Tex., a corporation of Texas

Application July 16, 1938, Serial No. 219,632
10 Claims. (Cl. 166—14)

1. In well equipment, the combination comprising a hollow hanger body member having an inwardly extending shoulder, packing supported on said shoulder, a ring carried on the top of said packing, a bushing supported by said ring, a tubing hanger mandrel having threaded connection with said bushing to support the entire load of the mandrel, and a second bushing secured to said body member and splined to the outer side of said first-mentioned bushing to prevent rotation thereof during rotation of said mandrel, said

mandrel being rotatable to effect disconnection with said first-mentioned bushing and adapted



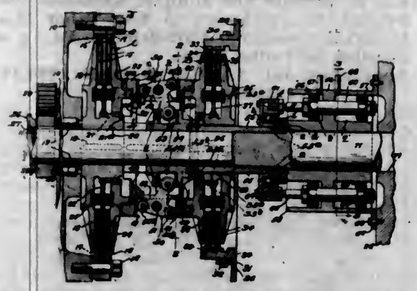
to be then lowered through said body member, packing and ring.

2,205,989

COMBINED CLUTCH AND BRAKE MECHANISM

Luther C. Meyers, Bridgeton, N. J., and Conrad O. Hersam, Germantown, Philadelphia, Pa., assignors to Ferracute Machine Company, Bridgeton, N. J., a corporation of New Jersey

Application May 4, 1939, Serial No. 271,768
16 Claims. (Cl. 192—18)



1. A power transmission device comprising a rotatable clutch and a brake, the clutch being operable to connect the driving and driven members, and the brake being operable to stop the movement of the driven member when the clutch is disengaged, and toggle means between the clutch and brake for positively operating the clutch and the brake alternately to apply one and release the other and to lock the clutch or brake in its applied position until again actuated to apply the other, fluid pressure actuator means disposed about the axis of rotation of the clutch and brake and removed axially from the clutch and brake, and means operatively connecting the actuator to said toggle means.

2,205,990

PIPE THREAD LUBRICANT

Roy F. Nelson and William S. Hurwitz, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application January 15, 1938, Serial No. 185,157
9 Claims. (Cl. 87—9)

1. A composition of the character described comprising an oil and powdered zinc which normally tends to deteriorate and form gas on standing, and a small amount of nitrobenzene effective to stabilize said composition against such gas formation.

2,205,991

DIAZOTYPE PROCESS

Wilhelm Neugebauer and Oskar Süs, Wiesbaden-Biebrich, Germany, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany

No Drawing. Application December 16, 1936, Serial No. 116,120. In Germany December 27, 1935
7 Claims. (Cl. 95—6)

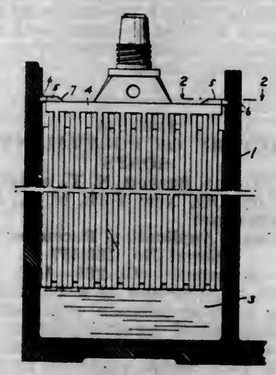
1. Light sensitive material comprising a support and a light sensitive layer which latter comprises a diazo compound, an azo component, a basic metal compound and an alkali metal salt which is capable of forming a complex salt by chemical conversion with the said basic metal compound in the presence of water under formation of the alkali necessary for the development, the said basic metal compound and the said alkali metal salt individually in the presence of water not being capable of producing the alkali necessary for the development.

2,205,992

STORAGE BATTERY AND PROCESS OF ITS ASSEMBLY

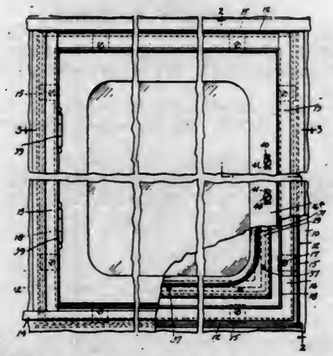
Joseph L. Phillips, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application February 18, 1937, Serial No. 126,316
2 Claims. (Cl. 136—81)



1. In a storage battery having the ends of its plate structure strap located or extended into mortises in the opposite side walls of the cell, improved means for holding down the plate structure which consists in the combination of ribs at the bottom of the cell on which the plate structure rests and by which it is positioned vertically, mortises provided in the opposite side walls of the cell and arranged above the level of the top of the strap of the plate structure, and projecting members arranged on top of the strap and projecting into the mortises, said members being autogeneously attached to the ends of the strap and said ribs serving to position the plate structure properly in respect to the mortises to facilitate the autogeneous welding operation after the plate structure is assembled in the cell.

2,205,993
CAR WINDOW STRUCTURE
Joseph Schunk, Newark, N. J., assignor to The National Lock Washer Company, Newark, N. J., a corporation of New Jersey
Application May 18, 1937, Serial No. 143,317
7 Claims. (Cl. 189—64)



1. In a car window structure, a window frame of substantially L-shape in cross-section providing an angular recess, a resilient weatherstripping member of substantially L-shape in cross-section engaged in said recess with its sides contacting and parallel to the sides of said frame and having an open sided angular recess to receive and permit removal of a glass pane transversely, a glass pane engaged at its edge in said recess exposed at one side, a removable rigid retaining member secured to and detachable from said frame, and a weatherstripping member of U-shape cross-section embracing the inner edge of said retaining member to engage its inner and outer surfaces adapted to engage said pane at its exposed side in opposed relation to said first weatherstripping member.

2,205,994
MANUFACTURE OF POLYVALENT METAL SOAPS
Charles C. Towne, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application December 18, 1937, Serial No. 180,557
8 Claims. (Cl. 260—449)

1. In the manufacture of a polyvalent metal soap from a water solution of an alkali metal soap, the steps which comprise adding directly to the said water solution a water-soluble polyvalent metal salt, which tends to decompose in water, in solid form unmixed with water to cause a precipitation of polyvalent metal soap, and separating the polyvalent metal soap from the resulting solution.

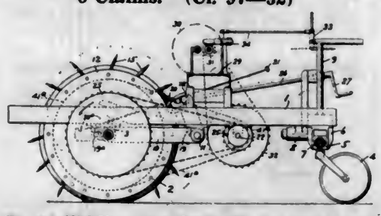
2,205,995
PRODUCTION OF AMINO CARBOXYLIC ACID NITRILES
Heinrich Ulrich and Ernst Ploetz, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 11, 1938, Serial No. 184,380. In Germany January 20, 1937
12 Claims. (Cl. 260—464)

12. Tertiary amino carboxylic acid nitriles which contain from two to three amino nitrogen atoms being joined to each other by alkylene groups and being substituted by nitrile groups leaving no free hydrogen atoms on the amino nitrogen atoms, the said nitrile group being attached to the amino nitrogen atoms by means of alkylene groups.

2,205,996
EXTRACTION OF OLEFINS
Willem Rhijnvis van Wijk, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 23, 1936, Serial No. 70,556. In the Netherlands April 2, 1935
7 Claims. (Cl. 260—677)

1. In a process for separating normally gaseous olefins from normally gaseous saturated hydrocarbons, the steps of bringing a normally gaseous mixture thereof in the gaseous state into contact with a liquid menstruum containing a hydrocarbon solvent and a non-hydrocarbon solvent, both being liquid under the conditions of the process, said non-hydrocarbon solvent having a greater solvent power for the said olefins than for the said saturated hydrocarbons, and separating the liquid menstruum and normally gaseous hydrocarbons in solution therein from the remainder of the normally gaseous mixture of hydrocarbons.

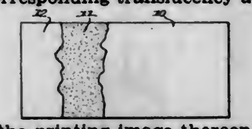
2,205,997
DIBBLING MACHINE
Frank R. Wallace and John T. Ramsden, Philadelphia, Pa., assignors to The Tabor Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 13, 1939, Serial No. 284,198
8 Claims. (Cl. 97—52)



1. In a dibbling machine the combination of a carriage having ground wheels and a swinging frame, a pin cage having pins and revolvable in the swinging frame and adapted to be positioned concentrically with the ground wheels and to be lifted clear of the ground, means for rotating the pin cage, and mechanism mounted on the carriage and constructed to lift the swinging frame and including a loss motion device whereby the frame is free to rise when a pin encounters an obstruction.

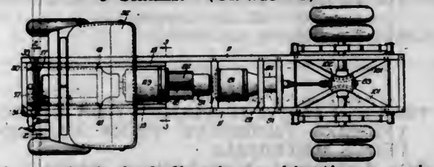
2,205,998
PLANOGRAPHIC PRINTING PLATE
William B. Wescott, Dover, Mass., assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application September 1, 1937, Serial No. 161,970
5 Claims. (Cl. 41—41.5)

1. A composite planographic printing plate comprising a facing of amyloid parchment readily wet by and absorptive of water and highly resistant to disintegration thereby which parchment when substantially dry is readily wettable by grease and, when integrated with grease is retentive thereof against the displacing effect of water or acidic dampening solutions and, when wet by water is repellant to grease, such parchment being of substantially uniform high density and corresponding translucency and adapted



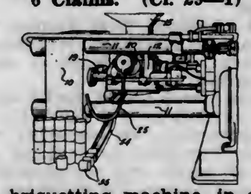
to receive the printing image thereon, a backing for said parchment and a waterproof intervening layer by which the parchment is secured to the backing, said layer being substantially transparent whereby indicia on the inner face of the backing can be read by incident light through the facing and intervening layer.

2,205,999
TRUCK
Linton G. Bartlett, North Chicago, and Harry B. Holthouse, Chicago, Ill., assignors, by direct and mesne assignments, of fifty-one per cent to Edward P. Molloy, Chicago, Ill., twenty-two per cent to The Northern Trust Company, as trustee, Chicago, Ill., a corporation of Illinois, and twenty-seven per cent to Harry B. Holthouse, Chicago, Ill.
Application November 10, 1936, Serial No. 110,086
6 Claims. (Cl. 248—6)



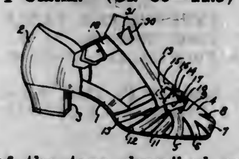
1. A vehicle including in combination a main frame having a longitudinally extending support member on each side thereof, and a sub-frame removably supported therefrom carrying an engine-generator apparatus, said sub-frame comprising a pair of longitudinally extending frame members, a generator supporting cradle rigidly secured at one end of the sub-frame having a mounting arm extending outwardly from each side thereof, an engine hanger rigidly secured at the other end of the sub-frame and including an integral extension on the upper side thereof for removable connection with the main frame, and cushioning means intermediate the main frame and cradle mounting arms.

2,206,000
BRIQUETTING MACHINE TAMPING DEVICE
Erle J. Byerlein, Progreso, Tex.
Application March 12, 1938, Serial No. 195,455
6 Claims. (Cl. 29—1)



1. In a briquetting machine, in combination, a chip box, a reciprocable ram movable longitudinally therein in a horizontal plane, a pair of oppositely directed tampers reciprocably mounted adjacent opposite sides of the chip box, the axes of the tampers intersecting adjacent the vertical central plane of the ram, fluid means for reciprocating the tampers, valves controlling flow of fluid to and from the tampers, and electrical means for operating said valves.

2,206,001
SANDAL
Eli Cohen, Swampscott, Mass., assignor to Marilyn Sandal Corporation, Stoneham, Mass.
Application November 18, 1937, Serial No. 175,263
1 Claim. (Cl. 36—11.5)

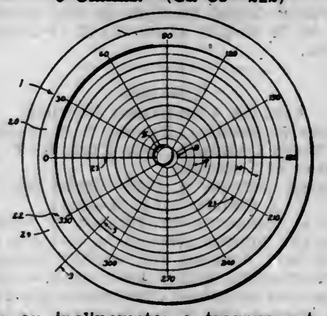


A shoe of the type described comprising a sole of the usual type, a toe portion extending from the sole at the forward part of the toe, a plurality of cross straps, a plurality of pieces positioned over and extending rearward of the toe portion to the instep of the shoe, said pieces and said toe portion being slotted in registering positions with each other, and said cross straps passing through the registering slots in said pieces at the instep and toe portions to join said elements together, said elements being otherwise unsecured to each other.

2,206,002
MANUFACTURE OF POLYVALENT METAL SOAPS
Alton J. Deutser and Roy F. Nelson, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application December 18, 1937, Serial No. 180,532
9 Claims. (Cl. 87—9)

1. In the manufacture of a polyvalent metal soap from a water solution of an alkali metal soap, the steps which comprise emulsifying the water solution of alkali metal soap with a low boiling water-immiscible organic solvent, and adding a polyvalent metal salt, which tends to decompose in water, in solid form, unmixed with water, to the emulsion to cause a precipitation of polyvalent metal soap which passes into solution in the solvent and breaks the emulsion.

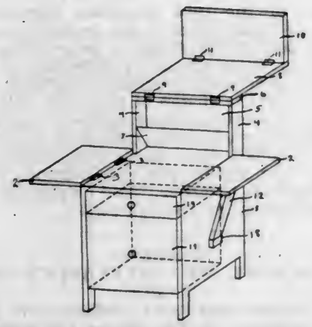
2,206,003
INCLINOMETER
Emerson B. Donnell, Racine, Wis., assignor to Grace Brindley Taylor, Wauwatosa, Wis.
Application June 2, 1937, Serial No. 146,064
6 Claims. (Cl. 33—212)



1. In an inclinometer a transparent element

and a container for liquid beneath said element, said container having a yieldable bottom portion, and adjusting member fixed with said yieldable bottom portion, a resilient bridge member spanning said yieldable bottom portion and means engaged between said resilient bridge member and said adjusting member, supported by said bridge member and arranged to exert, through said adjusting member, a resilient distorting force upon said yieldable bottom portion.

2,206,004
TYPEWRITER TABLE
Charles A. Ford, Newark, N. J., assignor to Charles A. Ford Co., Inc., Newark, N. J., a corporation
Application January 17, 1939, Serial No. 251,305
5 Claims. (Cl. 311—17)



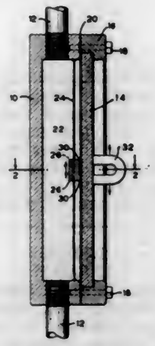
4. In a table, a body portion, a leaf pivotally connected thereto, a recessed supporting member depending from the leaf, a bracing member for the supporting member affixed to the body portion, a positioning member pivotally connected with the supporting member in the recess therein, a staple member affixed to the body portion and connected with the positioning member.

2,206,005
PRODUCTION OF AMINOTRIAZINES
John M. Grim, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 25, 1939, Serial No. 275,659
10 Claims. (Cl. 260—248)

1. A method of preparing aminotriazines which comprises heating dicyandiamide in a non-aqueous liquid medium in the presence of 5–25% of its weight of an alkali stronger than ammonia.

2,206,006
GAUGE CLEANING DEVICE
Waldersee B. Hendrey, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 6, 1937, Serial No. 167,535
2 Claims. (Cl. 73—324)

1. In a measuring instrument, a housing, a transparent window secured to one side of said housing, said housing and window forming an elongated chamber adapted to contain a substance to be observed, means for cleaning the inner surface of said window comprising a scraper containing magnetic material disposed within said chamber and capable of longitudinal movement therethrough, a magnet adapted to be moved along the outer surface of said window so as to cause said scraper to move in a corresponding manner along and in contact with the inner surface of



the window and means for holding said scraper in position against the inner surface of the window when said scraper is not being moved by said magnet, said last named means comprising a wire secured at its opposite ends to said housing at the rear of said window, said scraper being adapted to slide on said wire.

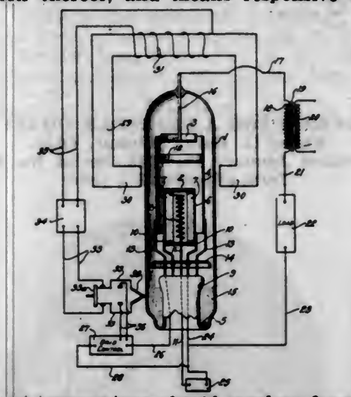
2,206,007
PROCESS FOR THE PRODUCTION OF CONVERSION PRODUCTS FROM CARBONACEOUS MATERIALS
Otto Liebknecht, Neubabelsberg, Germany, assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application March 8, 1935, Serial No. 10,127. In Germany April 13, 1934
15 Claims. (Cl. 210—24)

11. A process of softening water comprising flowing hard water into contact with a granular insoluble product made by treating carbonaceous material selected from the class consisting of wood, peat, lignite, charcoal, coals, cokes, tar and pitch with a concentrated sulfating agent to substantially improve the ion-exchange power thereof, interrupting said flow of water, regenerating said product with an aqueous solution of an alkali metal salt, and repeating the treatment of hard water.

2,206,008
TEMPERATURE COMPENSATED CONTROLLED GASEOUS DISCHARGE TUBE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 1, 1938, Serial No. 193,305
10 Claims. (Cl. 250—27)

1. In combination, an electrical space discharge tube comprising an envelope containing a cathode, an anode, and an ionizable medium, means for controlling the initiation of a discharge between said cathode and anode in response to a controlling factor impressed on said means, an additional control means for controlling the initiation of a discharge between

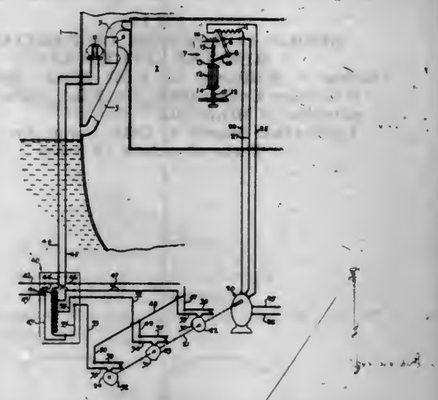
said cathode and anode in response to the energization thereof, and means responsive to the



ambient temperature of said envelope for varying the energization of said additional control means.

2,206,009
AIR CONDITIONING SYSTEM
Charles A. Cummings, Worcester, Mass., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 27, 1937, Serial No. 128,252
9 Claims. (Cl. 236—44)

5. In an air conditioning system for ships or other enclosed spaces located near a body of water, duct means having an inlet adjacent the surface of the water and leading to a space to be conditioned, means for causing a flow of air through said duct means into said conditioned



space, means for varying the rate of air flow through said duct means, and means responsive to the humidity in said space in control of said air flow varying means, said humidity responsive means acting to increase the air flow as the humidity in said space increases.

DESIGNS

JUNE 25, 1940

121,151
DESIGN FOR A PAIR OF PARTIALLY RIMLESS SPECTACLES
Arthur F. Williams, St. Paul, Minn., assignor to Wils-edge Corporation, St. Paul, Minn., a corporation of Minnesota
Application March 4, 1939, Serial No. 83,341
Term of patent 14 years



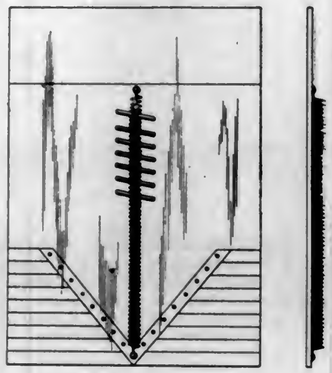
The ornamental design for a pair of partially rimless spectacles, as shown and described.

121,152
DESIGN FOR A SHOE ORNAMENT
Pearl F. Ashton, Providence, R. I., assignor to Ernest E. Weller, Providence, R. I.
Application April 27, 1940, Serial No. 92,000
Term of patent 3½ years



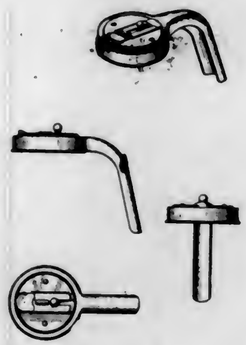
The ornamental design for a shoe ornament, substantially as shown.

121,153
DESIGN FOR A REMINDER CHART
Rufus G. Bain, Sulphur, Okla.
Application January 19, 1940, Serial No. 89,589
Term of patent 3½ years



The ornamental design for a reminder chart, as shown and described.

121,154
DESIGN FOR A CONTAINER SERVER TOP OR SIMILAR ARTICLE
Rudolph Bernhardt, Chicago, Ill.
Application February 4, 1939, Serial No. 82,786
Term of patent 3½ years



The ornamental design for a container server top or similar article, as shown and described.

121,155
DESIGN FOR A PHOTOGRAPHIC EXPOSURE METER OR SIMILAR ARTICLE
Philip J. Brownscombe, East Orange, N. J., and Carl Kertesz, Long Island City, N. Y., assignors to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application November 2, 1938, Serial No. 80,830
Term of patent 7 years



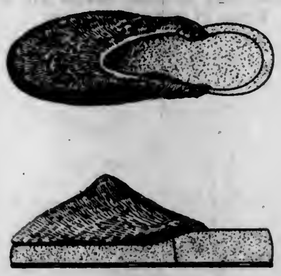
The ornamental design for a photographic exposure meter or similar article, substantially as shown.

121,156
DESIGN FOR A CUP OR SIMILAR ARTICLE
Isobel Darrow, Los Angeles, Calif., assignor to Pacific Clay Products, Los Angeles, Calif., a corporation of California
Application May 1, 1940, Serial No. 92,071
Term of patent 14 years



The ornamental design for a cup or similar article, substantially as shown.

121,157
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Paul D. Earl, New York, N. Y.
Application May 4, 1940, Serial No. 92,165
Term of patent 3½ years



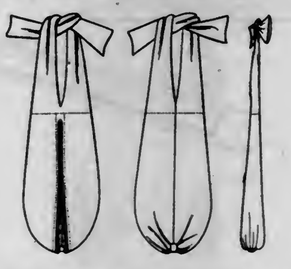
The ornamental design for a slipper or similar article, substantially as shown.

121,158
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Paul D. Earl, New York, N. Y.
Application May 4, 1940, Serial No. 92,166
Term of patent 3½ years



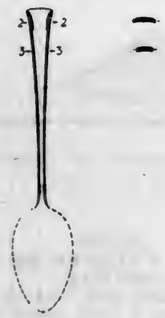
The ornamental design for a slipper or similar article, substantially as shown.

121,159
DESIGN FOR A CONVERTIBLE HANDBAG
Egmont A. Egerer, Great Neck, N. Y.
Application April 24, 1940, Serial No. 91,908
Term of patent 3½ years



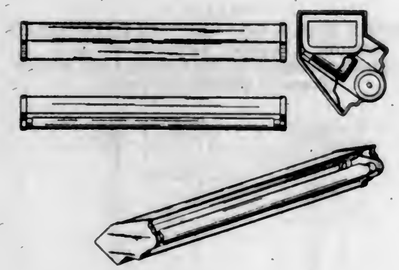
The ornamental design for a convertible handbag, substantially as shown.

121,160
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Lillian V. M. Helander, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application May 9, 1940, Serial No. 92,240
Term of patent 14 years



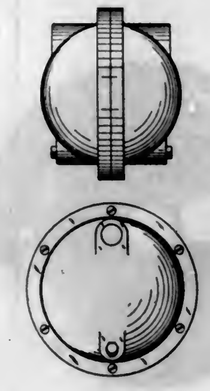
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

121,161
DESIGN FOR AN ELECTRIC LIGHT FIXTURE
Stephen P. Holish, Chicago, Ill.
Application February 5, 1940, Serial No. 90,046
Term of patent 3½ years



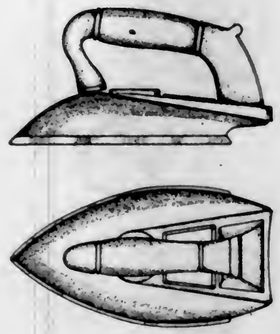
The ornamental design for an electric light fixture, substantially as shown.

121,162
DESIGN FOR A FILTER UNIT
Inglish Horckitz, St. Louis, Mo.
Application November 1, 1939, Serial No. 87,984
Term of patent 14 years



The ornamental design for a filter unit, as shown and described.

121,163
DESIGN FOR A LAUNDRY IRON
Frank Kuhn, Grosse Pointe Farms, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application April 1, 1940, Serial No. 91,410
Term of patent 14 years



The ornamental design for a laundry iron, substantially as shown.

121,164
DESIGN FOR A HANDLE FOR LAUNDRY IRON OR THE LIKE
Frank Kuhn, Grosse Pointe Farms, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application April 1, 1940, Serial No. 91,411
Term of patent 14 years



The ornamental design for a handle for laundry irons or the like, substantially as shown and described.

121,165
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application May 22, 1940, Serial No. 92,513
Term of patent 3½ years



The ornamental design for a shoe, as shown.

121,166
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application May 22, 1940, Serial No. 92,514
Term of patent 3½ years



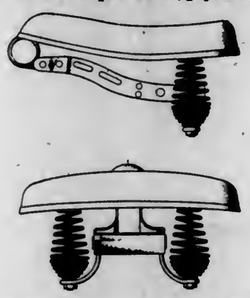
The ornamental design for a shoe, as shown.

121,167
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application May 27, 1940, Serial No. 92,626
Term of patent 3½ years



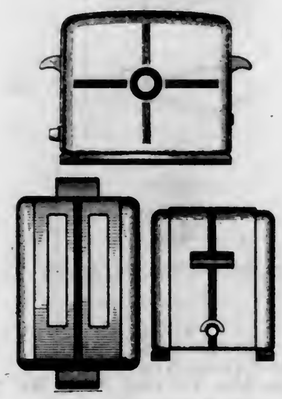
The ornamental design for a shoe, substantially as shown.

121,168
DESIGN FOR A BICYCLE SADDLE
Benjamin N. Lobdell, Alma, Mich., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich., a corporation of Michigan
Application June 23, 1939, Serial No. 85,655
Term of patent 3½ years



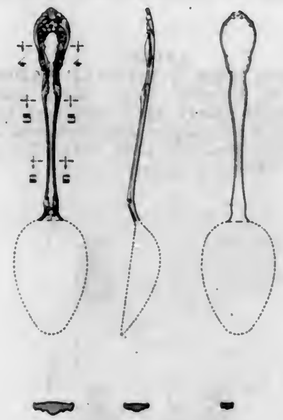
The ornamental design for a bicycle saddle, substantially as shown.

121,169
DESIGN FOR A BREAD TOASTER
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 10, 1940, Serial No. 91,569
Term of patent 7 years



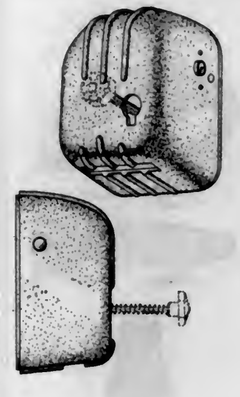
The ornamental design for a bread toaster, as shown.

121,170
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
James Russell Price, Cranston, R. I., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application April 27, 1940, Serial No. 91,994
Term of patent 14 years



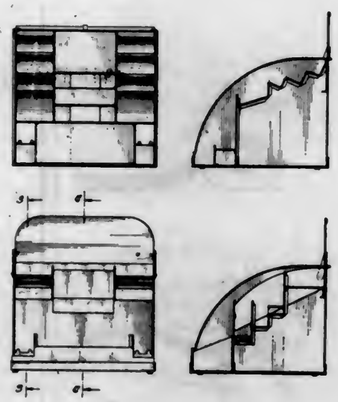
The ornamental design for a spoon or other article of flatware, substantially as shown.

121,171
DESIGN FOR A CLEANSING-FILM DISPENSER OR SIMILAR ARTICLE
William J. Schepp, Ridgewood, N. J.
Application November 7, 1939, Serial No. 88,121
Term of patent 3½ years



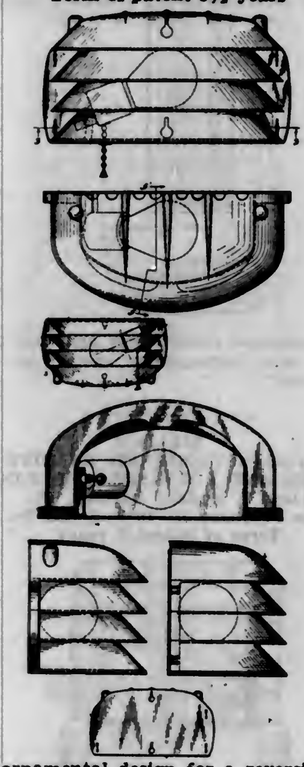
The ornamental design for a cleansing-film dispenser or similar article, as shown and described.

121,172
DESIGN FOR A COUNTER DISPLAY CASE
Thomas A. Schutz, Chicago, Ill., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
Application April 22, 1940, Serial No. 91,848
Term of patent 3½ years



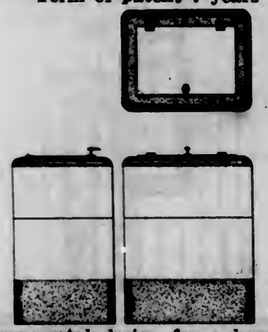
The ornamental design for a counter display case, as shown.

121,173
DESIGN FOR A REVERSIBLE LAMP
Samuel Scolaro, Auburn, N. Y.
Application March 18, 1940, Serial No. 91,037
Term of patent 3½ years



The ornamental design for a reversible lamp, as shown and described.

121,174
DESIGN FOR A HOPPER MECHANISM HOUSING FOR STOKERS
Gilbert M. Seaman, Catskill, N. Y., assignor to Catskill Metal Works, Inc., Catskill, N. Y., a corporation of New York
Application April 19, 1939, Serial No. 84,488
Term of patent 7 years



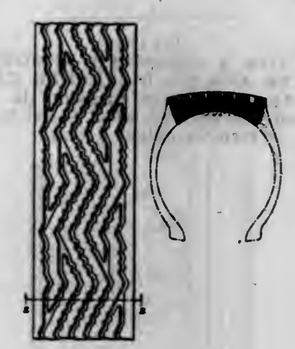
The ornamental design for a hopper mechanism housing for stokers, as shown and described.

121,175
DESIGN FOR A SHOE
Joseph R. Weyand, St. Louis, Mo.
Application August 26, 1939, Serial No. 86,903
Term of patent 3½ years



The ornamental design for a shoe, as shown.

121,176
DESIGN FOR A TIRE
George W. Anderson, Akron, Ohio
Application April 12, 1940, Serial No. 91,644
Term of patent 14 years



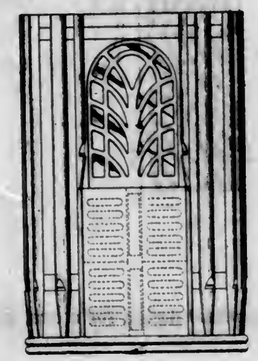
The ornamental design for a tire, substantially as shown.

121,177
DESIGN FOR A COMBINED REMOTE CONTROLLER AND LOUD-SPEAKER CASING
Lloyd J. Andres, Chicago, Ill.
Application February 16, 1940, Serial No. 90,323
Term of patent 7 years

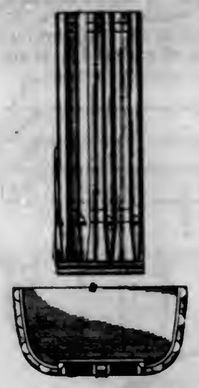


The ornamental design for a combined remote controller and loud-speaker casing, as shown and described.

121,178
DESIGN FOR A COMBINED REMOTE CONTROLLER AND LOUD-SPEAKER CASING
Lloyd J. Andres, Chicago, Ill.
Application February 17, 1940, Serial No. 90,340
Term of patent 7 years

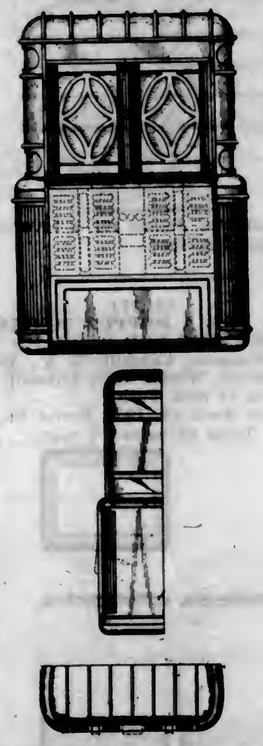


121,178—Continued



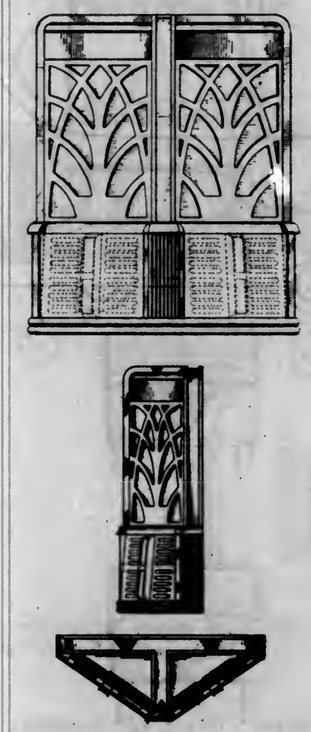
The ornamental design for a combined remote controller and loud-speaker casing, as shown and described.

121,179
DESIGN FOR A COMBINED REMOTE CONTROLLER AND LOUD-SPEAKER CASING
Lloyd J. Andres, Chicago, Ill.
Application February 19, 1940, Serial No. 90,362
Term of patent 7 years



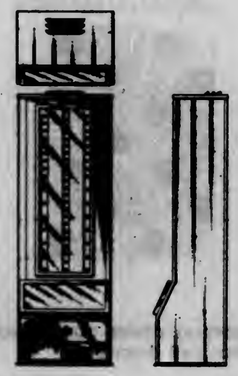
The ornamental design for a combined remote controller and loud-speaker casing, as shown and described.

121,180
DESIGN FOR A COMBINED REMOTE CONTROLLER AND LOUD-SPEAKER CASING
Lloyd J. Andres, Chicago, Ill.
Application February 21, 1940, Serial No. 90,425
Term of patent 7 years



The ornamental design for a combined remote controller and loud-speaker casing, as shown and described.

121,181
DESIGN FOR A VENDING MACHINE
Harry S. Benjamin, Poughkeepsie, N. Y.
Application April 15, 1940, Serial No. 91,680
Term of patent 14 years



121,181—Continued



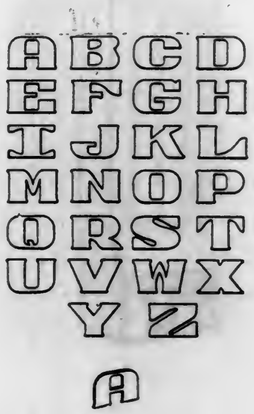
The ornamental design for a vending machine, as shown.

121,182
DESIGN FOR A CONTAINER FOR CIGARETTES OR THE LIKE
Harry S. Berk, Brooklyn, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application January 12, 1940, Serial No. 89,423
Term of patent 7 years



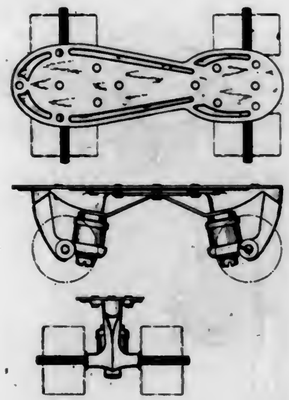
The ornamental design for a container for cigarettes or the like, as shown.

121,183
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR SIMILAR ARTICLES
Michael Chernow, New York, N. Y.
Application May 21, 1940, Serial No. 92,485
Term of patent 14 years



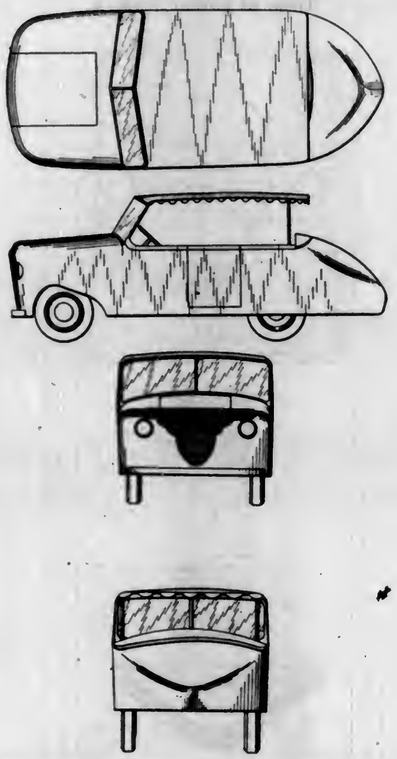
The ornamental design for an alphabet for forming monograms or similar articles, substantially as shown.

121,184
DESIGN FOR A ROLLER SKATE
John S. Coldwell, Milwaukee, Wis., and Walter F. Nessen, Oak Park, Ill., assignors to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application April 26, 1940, Serial No. 91,972
Term of patent 7 years



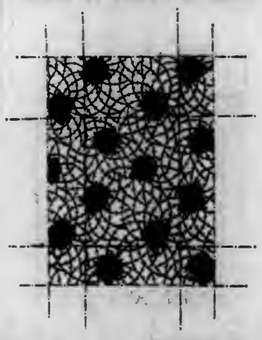
The ornamental design for a roller skate, as shown.

121,185
DESIGN FOR AN AUTOMOTIVE VEHICLE
Herman Z. Cutler, Camden, N. J.
Application September 30, 1938, Serial No. 80,158
Term of patent 7 years



The ornamental design for an automotive vehicle, substantially as shown.

121,186
DESIGN FOR A LACE
Rudolph Dannecker, Beacon, N. Y.
Application April 18, 1940, Serial No. 91,758
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

121,187
DESIGN FOR A LUBRICANT DISPENSING APPARATUS
Arthur Fuller Dean, Winnetka, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 20, 1939, Serial No. 84,432
Term of patent 7 years

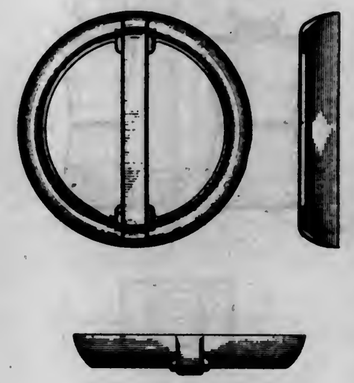


The ornamental design for a lubricant dispensing apparatus, as shown.

121,188
DESIGN FOR A LAMP SHADE
Faust Farinacci, St. Albans, N. Y.
Application September 9, 1939, Serial No. 87,106
Term of patent 14 years

The ornamental design for a lamp shade, as shown.

121,189
DESIGN FOR AN INDICATOR DIAL CASING OR SIMILAR ARTICLE
George E. Ford, Rochester, N. Y., assignor to Rochester Manufacturing Co., Inc., Rochester, N. Y., a corporation of New York
Application December 18, 1939, Serial No. 88,989
Term of patent 7 years



The ornamental design for an indicator dial casing or similar article, as shown.

121,190
DESIGN FOR A CONTAINER FOR TOILET ARTICLES
Herbert H. Harris, New York, N. Y.
Application September 28, 1939, Serial No. 87,468
Term of patent 7 years



The ornamental design for a container for toilet articles, substantially as shown.

121,191
DESIGN FOR A BOTTLE
Raymond Loewy, New York, N. Y., assignor to Parfums Schiaparelli, Inc., New York, N. Y., a corporation of New York
Application April 22, 1940, Serial No. 91,856
Term of patent 14 years



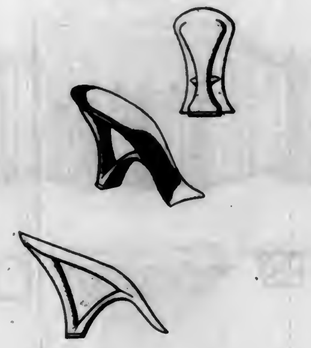
The ornamental design for a bottle, as shown.

121,192
DESIGN FOR A JUG
Henry G. McKnight, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 23, 1939, Serial No. 85,639
Term of patent 14 years



The ornamental design for a jug, substantially as shown and described.

121,193
DESIGN FOR A SHOE HEEL
William H. Nutt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 6, 1940, Serial No. 91,504
Term of patent 14 years



The ornamental design for a shoe heel, as shown.

121,194
DESIGN FOR A SHOE HEEL
William H. Nutt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 6, 1940, Serial No. 91,505
Term of patent 14 years



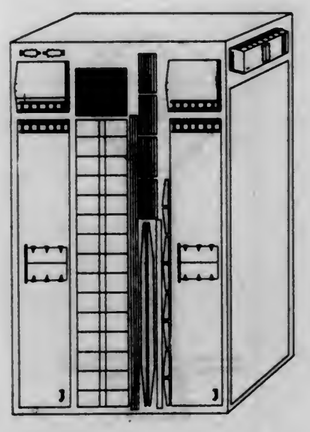
The ornamental design for a shoe heel, as shown.

121,195
DESIGN FOR A SHOE HEEL
William H. Nutt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 6, 1940, Serial No. 91,506
Term of patent 14 years



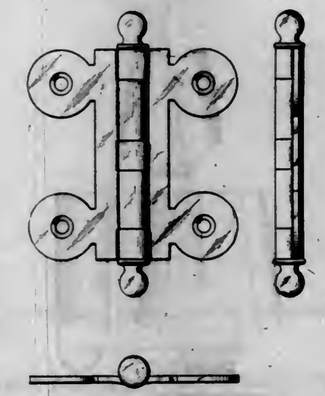
The ornamental design for a shoe heel, as shown.

121,196
DESIGN FOR A CARTON
Percy Pierce, Llanerch, Pa.
Application November 14, 1939, Serial No. 88,271
Term of patent 7 years



The ornamental design for a carton, as shown and described.

121,197
DESIGN FOR A MORTISE BUTT HINGE
Victor Ramey, Joplin, Mo.
Application April 16, 1940, Serial No. 91,715
Term of patent 14 years



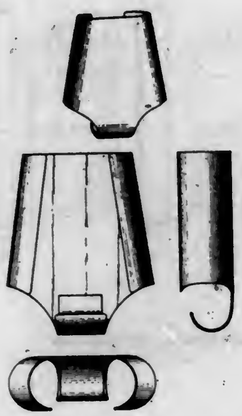
The ornamental design for a mortise butt hinge, as shown.

121,198
DESIGN FOR A KNITTED FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Herman B. Sheplan, Baltimore, Md., assignor to The Comfy Manufacturing Co., Baltimore, Md., a corporation of Maryland
Application May 23, 1940, Serial No. 92,539
Term of patent 7 years



The ornamental design for a knitted fabric or similar article of manufacture, substantially as shown and described.

121,199
DESIGN FOR A DISPLAY FORM FOR SWIMMING TRUNKS OR THE LIKE
Findley Williams, Park Ridge, Ill., assignor to W. L. Stensgaard & Associates, Inc., a corporation of Illinois
Application April 24, 1940, Serial No. 91,920
Term of patent 14 years



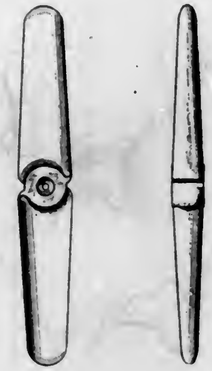
The ornamental design for a display form for swimming trunks or the like, as shown.

121,200
DESIGN FOR A DISPLAY STAND FOR SWIMMING TRUNKS OR THE LIKE
Findley Williams, Park Ridge, Ill., assignor to W. L. Stensgaard & Associates, Inc., a corporation of Illinois
Application April 24, 1940, Serial No. 91,921
Term of patent 14 years



The ornamental design for a display stand for swimming trunks or the like, as shown.

121,201
DESIGN FOR A PROPELLER
Max Fischer, Great Neck, N. Y.
Application September 22, 1939, Serial No. 87,353
Term of patent 3½ years



The ornamental design for a propeller, substantially as shown.

121,202
DESIGN FOR AN ELEVATED TANK
George T. Horton, Chicago, Ill.
Application April 29, 1940, Serial No. 92,033
Term of patent 14 years



The ornamental design for an elevated tank, as shown.

121,203
DESIGN FOR AN ELEVATED TANK
George T. Horton, Chicago, Ill.
Application May 2, 1940, Serial No. 92,091
Term of patent 14 years



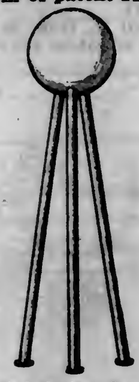
The ornamental design for an elevated tank, as shown.

121,204
DESIGN FOR AN ELEVATED TANK
George T. Horton, Chicago, Ill.
Application May 3, 1940, Serial No. 92,118
Term of patent 14 years



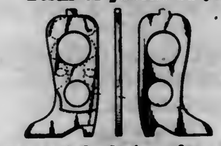
The ornamental design for an elevated tank, as shown.

121,205
DESIGN FOR AN ELEVATED TANK
George T. Horton, Chicago, Ill.
Application May 6, 1940, Serial No. 92,185
Term of patent 14 years



The ornamental design for an elevated tank, as shown.

121,206
DESIGN FOR A HANDKERCHIEF SLIDE
Lenus J. Hostetter, Oakland, Calif.
Application April 3, 1939, Serial No. 83,995
Term of patent 14 years



The ornamental design for a handkerchief slide, substantially as shown.

121,207
DESIGN FOR A CLIP OR SIMILAR ARTICLE OF JEWELRY
Isabelle Z. Joyce, Chicago, Ill., assignor to Spaulding-Gorham, Inc., Chicago, Ill., a corporation of Illinois
Application November 8, 1939, Serial No. 88,124
Term of patent 3½ years





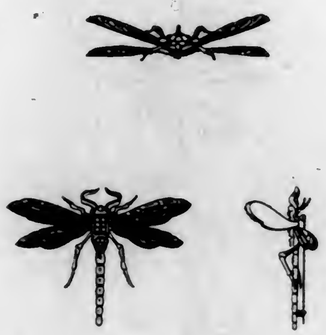
The ornamental design for a clip or similar article of jewelry, substantially as shown.

121,208
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application April 12, 1940, Serial No. 91,635
Term of patent 3½ years



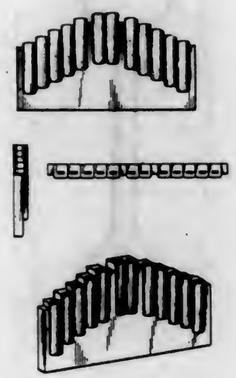
The ornamental design for a bracelet or similar article, substantially as shown.

121,209
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application April 30, 1940, Serial No. 92,045
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

121,210
DESIGN FOR A COLOR GUIDE UNIT FOR ARTIFICIAL TEETH
Winfred Lambdin, Philadelphia, Pa., assignor to Universal Dental Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 10, 1940, Serial No. 91,567
Term of patent 14 years



The ornamental design for a color guide unit for artificial teeth, as shown.

121,211
DESIGN FOR A PRISMATIC PENDANT
Irving Levin, New York, N. Y., assignor to Elite Glass Co. Inc., New York, N. Y., a corporation of New York
Application February 24, 1940, Serial No. 90,478
Term of patent 3½ years



The ornamental design for a prismatic pendant, substantially as shown.

121,212
DESIGN FOR AN INITIAL KEY CHAIN OR THE LIKE
Edwin S. Mix and Harold C. Valsey, Rochester, N. Y., assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application January 18, 1940, Serial No. 89,563
Term of patent 7 years



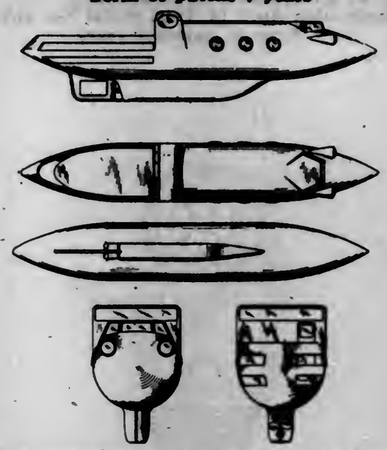
The ornamental design for an initial key chain or the like, substantially as shown.

121,213
DESIGN FOR A BUILDING
Herbert J. Sandin and Howard H. Hait, McKeesport, Pa.
Application October 10, 1939, Serial No. 87,613
Term of patent 14 years



The ornamental design for a building, as shown.

121,214
DESIGN FOR A BOAT
Albert Saunders, Barbourville, Ky.
Application April 20, 1940, Serial No. 91,797
Term of patent 7 years



The ornamental design for a boat, as shown.

121,215
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Lawrence Wise, Bronx, N. Y., assignor to Go-Gay Products Corp., New York, N. Y.
Application March 20, 1940, Serial No. 91,099
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

121,216
DESIGN FOR A MEDAL
John Inquisitore, New York, N. Y.
Application September 16, 1939, Serial No. 87,259
Term of patent 3½ years



The ornamental design for a medal, as shown.

121,217
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application April 18, 1940, Serial No. 91,743
Term of patent 7 years



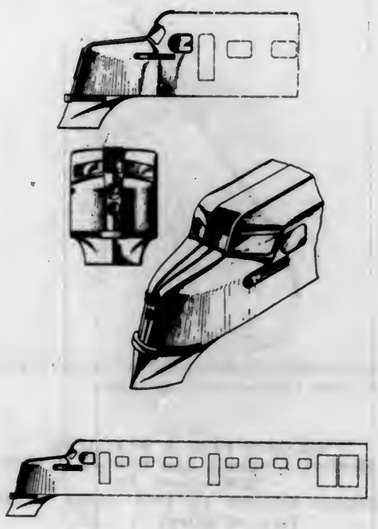
The ornamental design for a container cap, substantially as shown.

121,218
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application April 18, 1940, Serial No. 91,744
Term of patent 7 years



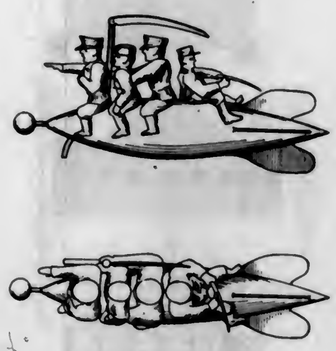
The ornamental design for a container cap, substantially as shown.

121,219
DESIGN FOR A LOCOMOTIVE BODY
Otto Kuhler, Orangeburg, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application January 26, 1940, Serial No. 89,740
Term of patent 14 years



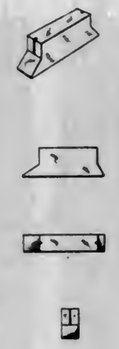
The ornamental design for a locomotive body, substantially as shown and described.

121,220
DESIGN FOR A RADIATOR ORNAMENT OR THE LIKE
Elmer W. Mackey, Kirkland, Wash.
Application October 14, 1939, Serial No. 87,658
Term of patent 7 years



The ornamental design for a radiator ornament or the like, as shown.

121,221
DESIGN FOR A DENTIST'S ANVIL
Walter O. Maitland, San Francisco, Calif.
Application March 11, 1940, Serial No. 90,828
Term of patent 14 years



The ornamental design for a dentist's anvil, substantially as shown.

121,222
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application May 25, 1940, Serial No. 92,614
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

121,223
DESIGN FOR A NECKLACE
Alfred Philippe, New York, N. Y.
Application May 25, 1940, Serial No. 92,615
Term of patent 3½ years



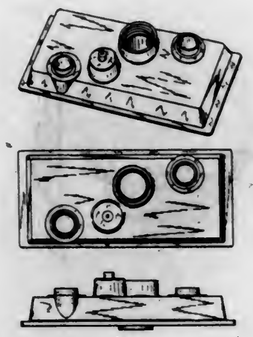
The ornamental design for a necklace, substantially as shown.

121,224
DESIGN FOR A NECKLACE
Alfred Philippe, New York, N. Y.
Application May 25, 1940, Serial No. 92,616
Term of patent 3½ years



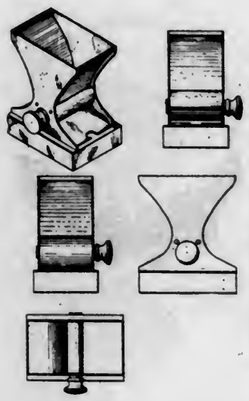
The ornamental design for a necklace, substantially as shown.

121,225
DESIGN FOR A STORAGE BATTERY COVER
Samuel W. Rolph, Shaker Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application December 18, 1939, Serial No. 88,973
Term of patent 14 years



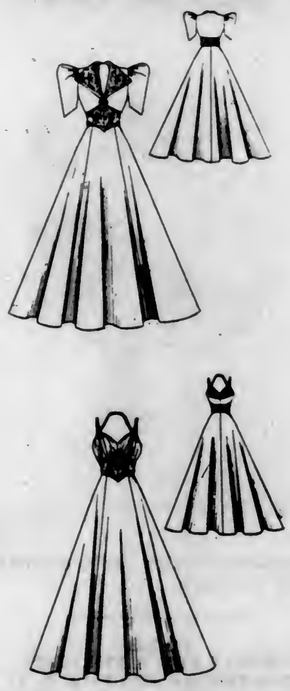
The ornamental design for a storage battery cover, substantially as shown.

121,226
DESIGN FOR A SINGLE DELIVERY CONTAINER FOR MATCHES AND OTHER ARTICLES
Earnest Battellini, Landisville, N. J.
Application April 3, 1940, Serial No. 91,435
Term of patent 3½ years



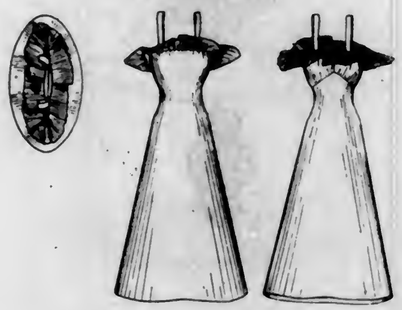
The ornamental design for a single delivery container for matches and other articles, as shown.

121,227
DESIGN FOR A DRESS ENSEMBLE
Elizabeth Cutler, New York, N. Y.
Application June 1, 1940, Serial No. 92,726
Term of patent 3½ years



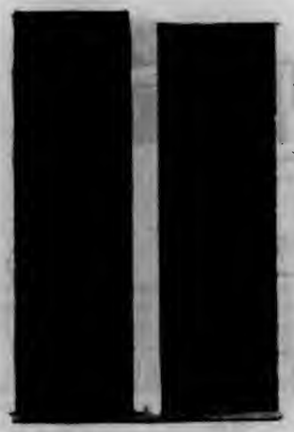
The ornamental design for a dress ensemble, substantially as shown.

121,228
DESIGN FOR A SACHET BAG OR SIMILAR ARTICLE
Otto S. Garry, New York, N. Y.
Application March 6, 1940, Serial No. 90,709
Term of patent 3½ years



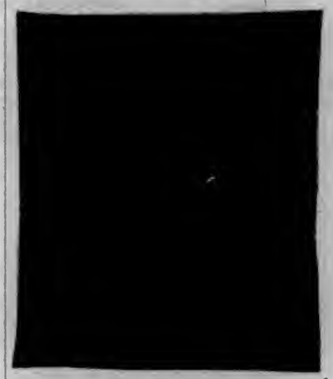
The ornamental design for a sachet bag or similar article, substantially as shown.

121,229
DESIGN FOR A TEXTILE FABRIC
Robert S. Gentile, New York, N. Y., assignor to Tabin-Picker & Company, Chicago, Ill., a corporation of Illinois
Application May 9, 1940, Serial No. 92,246
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

121,230
DESIGN FOR A COMFORTABLE
Lawrence Goodstein, New York, N. Y.
Application May 22, 1940, Serial No. 92,525
Term of patent 3½ years



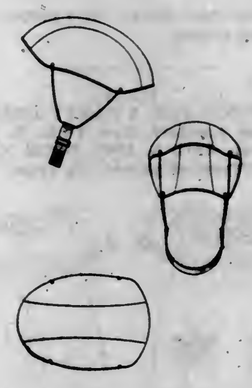
The ornamental design for a comfortable, substantially as shown and described.

121,231
DESIGN FOR A COMFORTABLE
Lawrence Goodstein, New York, N. Y.
Application May 25, 1940, Serial No. 92,588
Term of patent 3½ years



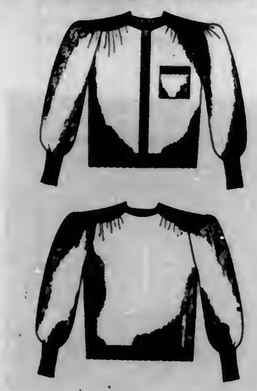
The ornamental design for a comfortable, substantially as shown and described.

121,232
DESIGN FOR A HEAD WARMER
Edward C. Hemphill and Elsie M. Hemphill, San Francisco, Calif.
Application February 8, 1940, Serial No. 90,138
Term of patent 14 years



The ornamental design for a head warmer, substantially as shown.

121,233
DESIGN FOR A SWEATER
Moe J. Kasper, New York, N. Y.
Application May 20, 1940, Serial No. 92,466
Term of patent 3½ years



The ornamental design for a sweater, as shown.

121,234
DESIGN FOR A PANTY DRESS
Sam Landorf, New York, N. Y.
Application April 6, 1940, Serial No. 91,498
Term of patent 3½ years



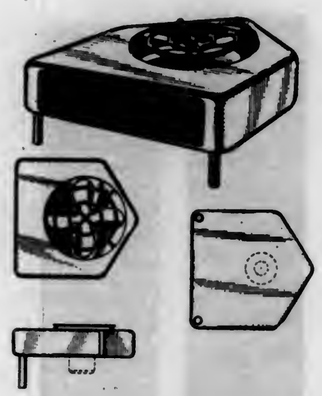
The ornamental design for a panty dress, substantially as shown.

121,235
DESIGN FOR A PANTY DRESS
Sam Landorf, New York, N. Y.
Application April 6, 1940, Serial No. 91,500
Term of patent 3½ years



The ornamental design for a panty dress, substantially as shown.

121,236
DESIGN FOR A VEHICLE HEATER
George R. Lippitt, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 13, 1939, Serial No. 83,559
Term of patent 7 years



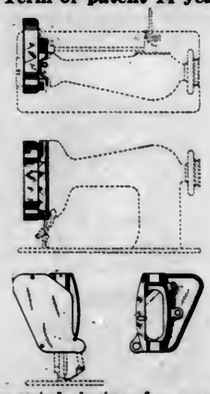
The ornamental design for a vehicle heater, substantially as shown and described.

121,237
DESIGN FOR A COAT
Moris Revitz, New York, N. Y.
Application May 20, 1940, Serial No. 92,464
Term of patent 3½ years



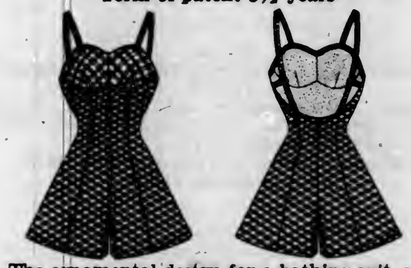
The ornamental design for a coat, as shown and described.

121,238
DESIGN FOR A RUFFLING ATTACHMENT HOUSING FOR SEWING MACHINES
Victor J. Sigoda, Brooklyn, N. Y.
Application January 13, 1940, Serial No. 89,449
Term of patent 14 years



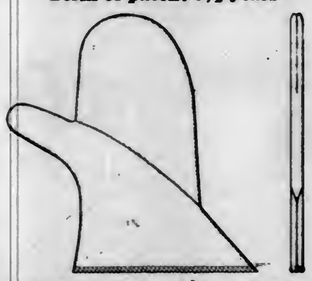
The ornamental design for a ruffling attachment housing for sewing machines, substantially as shown and described.

121,239
DESIGN FOR A BATHING SUIT
Mortimer Solomon, Brooklyn, N. Y.
Application March 7, 1940, Serial No. 90,741
Term of patent 3½ years



The ornamental design for a bathing suit, substantially as shown.

121,240
DESIGN FOR A MITTEN
Lou R. Stephenson, Rochester, N. Y., assignor of one-half to Dorothy B. Phillips, Rochester, N. Y.
Application April 5, 1940, Serial No. 91,493
Term of patent 3½ years



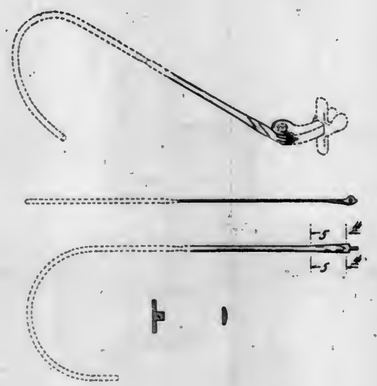
The ornamental design for a mitten, as shown and described.

121,241
DESIGN FOR A DRESS
Samuel Ancell, New York, N. Y.
Application May 22, 1940, Serial No. 92,504
Term of patent 3½ years



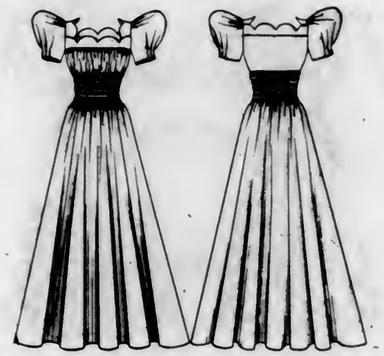
The ornamental design for a dress, substantially as shown.

121,242
DESIGN FOR A COMBINATION TEMPLE AND ENDPIECE
Thomas E. Bosworth, Cranston, R. I., assignor to Universal Optical Company, Inc., a corporation of Rhode Island
Application January 24, 1940, Serial No. 89,684
Term of patent 14 years



The ornamental design for a combination temple and endpiece, substantially as shown and described.

121,243
DESIGN FOR A DRESS
Phyllis Byrnes, New York, N. Y.
Application June 1, 1940, Serial No. 92,725
Term of patent 3½ years



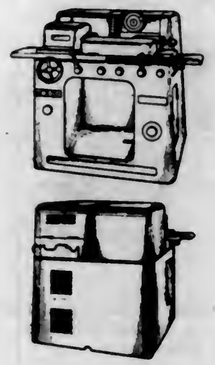
The ornamental design for a dress, substantially as shown.

121,244
DESIGN FOR A TABLE AND SEAT UNIT
Andrew L. Henkel and Burke M. Ewing, Chicago, Ill., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application April 10, 1940, Serial No. 91,572
Term of patent 14 years



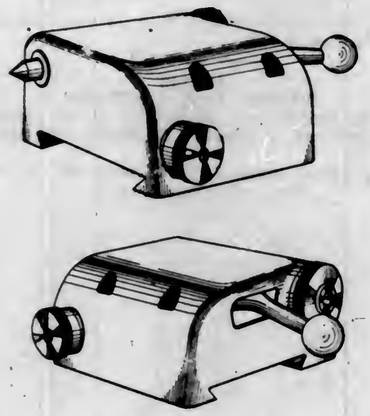
The ornamental design for a table and seat unit, as shown.

121,245
DESIGN FOR A GRINDING MACHINE
Milburn A. Hollengreen and Ralph E. Price, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa.
Application March 29, 1940, Serial No. 91,344
Term of patent 14 years



The ornamental design for a grinding machine, substantially as shown.

121,246
DESIGN FOR A FOOTSTOCK FOR MACHINE TOOLS
Milburn A. Hollengreen and Ralph E. Price, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa.
Application March 29, 1940, Serial No. 91,347
Term of patent 14 years



The ornamental design for a footstock for machine tools, substantially as shown.

121,247
DESIGN FOR A PANTY DRESS
Sam Landorf, New York, N. Y.
Application April 6, 1940, Serial No. 91,499
Term of patent 3½ years



The ornamental design for a panty dress, substantially as shown.

121,248
DESIGN FOR A CONCRETE VIBRATOR OR THE LIKE
Arthur William Mall, Flossmoor, Ill.
Application March 15, 1940, Serial No. 90,936
Term of patent 3½ years



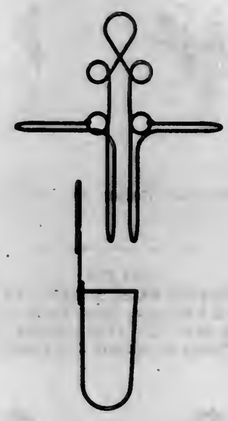
The ornamental design for a concrete vibrator or the like, substantially as shown.

121,249
DESIGN FOR A LIPSTICK CASE
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1940, Serial No. 91,492
Term of patent 3½ years



The ornamental design for a lipstick case, substantially as shown and described.

121,250
DESIGN FOR A BROOM HOLDER OR SIMILAR ARTICLE
John Newton Payne, Pembroke, Ky.
Application May 8, 1940, Serial No. 92,224
Term of patent 14 years



The ornamental design for a broom holder or similar article, as shown and described.

121,251
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application May 22, 1940, Serial No. 92,507
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

121,252
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application May 22, 1940, Serial No. 92,508
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

121,253
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application May 22, 1940, Serial No. 92,509
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

121,254
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application May 22, 1940, Serial No. 92,510
Term of patent 3½ years



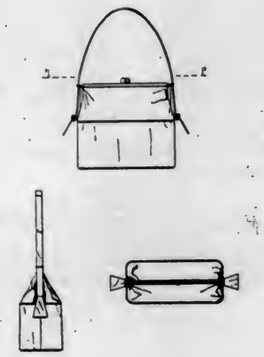
The ornamental design for a pin clip, substantially as shown.

121,255
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application May 25, 1940, Serial No. 92,613
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

121,256
DESIGN FOR A HANDBAG
Irving Pichel, New York, N. Y., assignor to Pichel, Inc., New York, N. Y.
Application April 15, 1940, Serial No. 91,690
Term of patent 3½ years



The ornamental design for a handbag, as shown and described.

121,257
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application April 6, 1940, Serial No. 91,501
Term of patent 3½ years



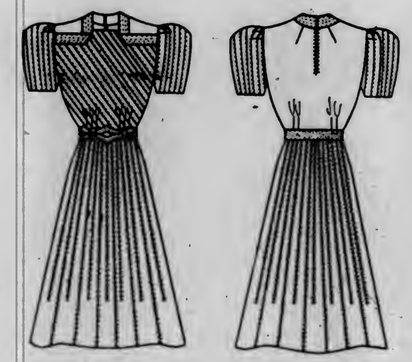
The ornamental design for a dress, substantially as shown and described.

121,258
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application April 6, 1940, Serial No. 91,502
Term of patent 3½ years



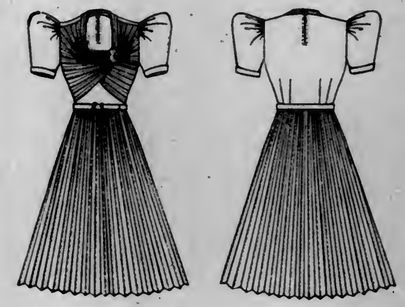
The ornamental design for a dress, substantially as shown and described.

121,259
DESIGN FOR A DRESS
Maxwell A. Rudolph, Philadelphia, Pa.
Application May 25, 1940, Serial No. 92,608
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

121,260
DESIGN FOR A DRESS
Sydelle Siegel, New York, N. Y.
Application June 6, 1940, Serial No. 92,843
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

121,261
DESIGN FOR A PENDANT OR SIMILAR ARTICLE
Victor Silson, New York, N. Y.
Application May 14, 1940, Serial No. 92,354
Term of patent 3½ years



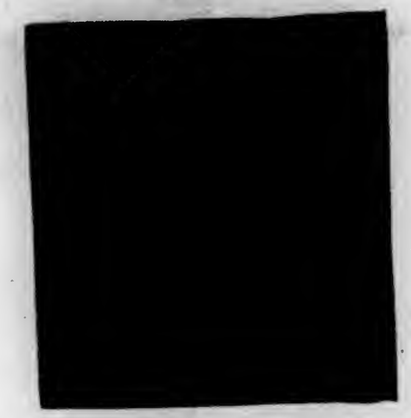
The ornamental design for a pendant or similar article, as shown and described.

121,262
DESIGN FOR A PENDANT OR SIMILAR ARTICLE
Victor Silson, New York, N. Y.
Application May 14, 1940, Serial No. 92,355
Term of patent 3½ years



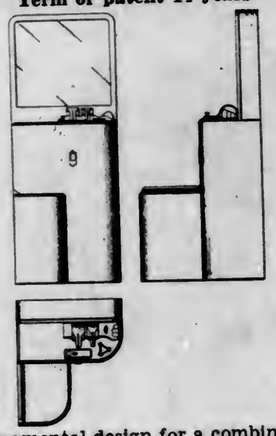
The ornamental design for a pendant or similar article, as shown and described.

121,263
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application June 6, 1940, Serial No. 92,844
Term of patent 3½ years



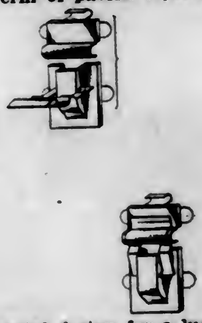
The ornamental design for a textile fabric or similar article, as shown.

121,264
DESIGN FOR A COMBINATION PULSE COUNT AND BLOOD PRESSURE INDICATING MACHINE
Bradlee W. Williams and Homer S. Williams, Chicago, Ill., assignors to Tech Equipment Company, Chicago, Ill., a corporation of Illinois
Application March 20, 1940, Serial No. 91,092
Term of patent 14 years



The ornamental design for a combination pulse count and blood pressure indicating machine, as shown.

121,265
DESIGN FOR A LUGGAGE CATCH OR SIMILAR ARTICLE
Everett Worthington, deceased, late of Scarsdale, N. Y., by Lucile Worthington, Berkeley, Calif., administratrix, assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 8, 1939, Serial No. 86,532
Term of patent 7 years



The ornamental design for a luggage catch or similar article, as shown and described.

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